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Cover Page

Order ID : Q2747

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2747-01	OU4-TS-GRILLO-OG2-073125
Q2747-02	OU4-TS-GRILLO-OG2-073125
Q2747-03	OU4-TS-GRILLO-OG3-073125
Q2747-04	OU4-TS-GRILLO-OG3-073125
Q2747-05	OU4-TS-GRILLO-OG4-073125
Q2747-06	OU4-TS-GRILLO-OG4-073125
Q2747-07	OU4-TS-GRILLO-TSCP01-073125
Q2747-08	OU4-TS-GRILLO-TSCP01-073125
Q2747-09	OU4-TS-GRILLO-TSCP02-073125
Q2747-10	OU4-TS-GRILLO-TSCP02-073125

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

Signature : _____

Date: 8/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2747
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 08/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for
OU4-TS-GRILLO-OG2-073125 [4-Bromofluorobenzene - 66%],
OU4-TS-GRILLO-OG2-073125RE [4-Bromofluorobenzene - 64%],
OU4-TS-GRILLO-OG3-073125 [4-Bromofluorobenzene - 69%],
OU4-TS-GRILLO-OG3-073125RE [4-Bromofluorobenzene - 65%],
OU4-TS-GRILLO-OG4-073125 [4-Bromofluorobenzene - 67%],
OU4-TS-GRILLO-OG4-073125RE [4-Bromofluorobenzene - 70%],
OU4-TS-GRILLO-TSCP01-073125 [4-Bromofluorobenzene - 61%],
OU4-TS-GRILLO-TSCP01-073125RE [4-Bromofluorobenzene - 61%],
OU4-TS-GRILLO-TSCP02-073125 [4-Bromofluorobenzene - 61%] and
OU4-TS-GRILLO-TSCP02-073125RE [4-Bromofluorobenzene - 65%]
samples were reanalyzed to confirm the failure and reported.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

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

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The %RSD is greater than 20% in the Initial Calibration method (82W072225S.M) for Methylene Chloride passing on Linear regression.

The Continuous Calibration File ID VW031971.D met the requirements except for Bromoform is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project "Raymark Superfund Site". Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project "Raymark Superfund Site "were analyzed.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2747 MATRIX: Solid

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82W072225S.M) for Methylene Chloride passing on Linear regression. The Continuous Calibration File ID VW031971.D met the requirements except for Bromoform is failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for OU4-TS-GRILLO-OG2-073125 [4-Bromofluorobenzene - 66%], OU4-TS-GRILLO-OG2-073125RE [4-Bromofluorobenzene - 64%], OU4-TS-GRILLO-OG3-073125 [4-Bromofluorobenzene - 69%], OU4-TS-GRILLO-OG3-073125RE [4-Bromofluorobenzene - 65%], OU4-TS-GRILLO-OG4-073125 [4-Bromofluorobenzene - 67%], OU4-TS-GRILLO-OG4-073125RE [4-Bromofluorobenzene - 70%], OU4-TS-GRILLO-TSCP01-073125 [4-Bromofluorobenzene - 61%], OU4-TS-GRILLO-TSCP01-073125RE [4-Bromofluorobenzene - 61%], OU4-TS-GRILLO-TSCP02-073125 [4-Bromofluorobenzene - 61%] and OU4-TS-GRILLO-TSCP02-073125RE [4-Bromofluorobenzene - 65%] samples were reanalyzed to confirm the failure and reported.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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

Alliance has analyzed samples for VOCMS Group3 by Method 8260D for Project “Raymark Superfund Site”. Alliance is not certified for trans-1,4-dichloro-2-butene and Tetrahydrofuran compounds with NJDEP for 8260D method. for VOCMS Group3 at the time when samples for Project “Raymark Superfund Site “were analyzed.

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2747**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **08/06/2025**

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LAB CHRONICLE

OrderID:	Q2747	**OrderDate:**	8/1/2025 10:40:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-01	**OU4-TS-GRILLO-OG2-073125**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/01/25	
Q2747-01RE	**OU4-TS-GRILLO-OG2-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/04/25	
Q2747-03	**OU4-TS-GRILLO-OG3-073125**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/01/25	
Q2747-03RE	**OU4-TS-GRILLO-OG3-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/04/25	
Q2747-05	**OU4-TS-GRILLO-OG4-073125**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/01/25	
Q2747-05RE	**OU4-TS-GRILLO-OG4-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/04/25	
Q2747-07	**OU4-TS-GRILLO-TSCP01-073125**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/01/25	
Q2747-07RE	**OU4-TS-GRILLO-TSCP01-073125RE**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/04/25	
Q2747-09	**OU4-TS-GRILLO-TSCP02-073125**	**SOIL**			**07/31/25**			**08/01/25**
			VOCMS Group3	8260D			08/01/25	

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LAB CHRONICLE

Q2747-09RE	**OU4-TS-GRILLO-TSCP 02-073125RE**	**SOIL**			**07/31/25**	**08/01/25**
			VOCMS Group3	8260D		08/04/25

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Hit Summary Sheet
SW-846

SDG No.: Q2747

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:



QC SUMMARY

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

SDG No.: Q2747

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2747-01	OU4-TS-GRILLO-OG2-073125	1,2-Dichloroethane-d4	50	54.4	109		71	136
		Dibromofluoromethane	50	47.0	94		78	119
		Toluene-d8	50	44.0	88		85	116
		4-Bromofluorobenzene	50	32.8	66	*	79	119
Q2747-01RE	OU4-TS-GRILLO-OG2-073125RE	1,2-Dichloroethane-d4	50	48.2	96		71	136
		Dibromofluoromethane	50	49.0	98		78	119
		Toluene-d8	50	45.9	92		85	116
		4-Bromofluorobenzene	50	31.9	64	*	79	119
Q2747-03	OU4-TS-GRILLO-OG3-073125	1,2-Dichloroethane-d4	50	47.8	96		71	136
		Dibromofluoromethane	50	47.4	95		78	119
		Toluene-d8	50	43.6	87		85	116
		4-Bromofluorobenzene	50	34.4	69	*	79	119
Q2747-03RE	OU4-TS-GRILLO-OG3-073125RE	1,2-Dichloroethane-d4	50	49.0	98		71	136
		Dibromofluoromethane	50	48.6	97		78	119
		Toluene-d8	50	46.1	92		85	116
		4-Bromofluorobenzene	50	32.7	65	*	79	119
Q2747-05	OU4-TS-GRILLO-OG4-073125	1,2-Dichloroethane-d4	50	47.9	96		71	136
		Dibromofluoromethane	50	46.3	93		78	119
		Toluene-d8	50	45.5	91		85	116
		4-Bromofluorobenzene	50	33.5	67	*	79	119
Q2747-05RE	OU4-TS-GRILLO-OG4-073125RE	1,2-Dichloroethane-d4	50	47.5	95		71	136
		Dibromofluoromethane	50	47.8	96		78	119
		Toluene-d8	50	46.1	92		85	116
		4-Bromofluorobenzene	50	35.0	70	*	79	119
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	1,2-Dichloroethane-d4	50	48.6	97		71	136
		Dibromofluoromethane	50	48.0	96		78	119
		Toluene-d8	50	44.3	89		85	116
		4-Bromofluorobenzene	50	30.4	61	*	79	119
Q2747-07RE	OU4-TS-GRILLO-TSCP01-073125RE	1,2-Dichloroethane-d4	50	46.6	93		71	136
		Dibromofluoromethane	50	48.3	97		78	119
		Toluene-d8	50	45.7	91		85	116
		4-Bromofluorobenzene	50	30.5	61	*	79	119
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	1,2-Dichloroethane-d4	50	49.6	99		71	136
		Dibromofluoromethane	50	48.7	97		78	119
		Toluene-d8	50	46.1	92		85	116
		4-Bromofluorobenzene	50	30.5	61	*	79	119
Q2747-09RE	OU4-TS-GRILLO-TSCP02-073125RE	1,2-Dichloroethane-d4	50	50.1	100		71	136
		Dibromofluoromethane	50	49.0	98		78	119
		Toluene-d8	50	46.4	93		85	116
		4-Bromofluorobenzene	50	32.6	65	*	79	119
VW0801SBL01	VW0801SBL01	1,2-Dichloroethane-d4	50	52.5	105		71	136
		Dibromofluoromethane	50	49.0	98		78	119
		Toluene-d8	50	46.9	94		85	116
		4-Bromofluorobenzene	50	44.0	88		79	119
VW0801SBS01	VW0801SBS01	1,2-Dichloroethane-d4	50	52.4	105		71	136
		Dibromofluoromethane	50	52.5	105		78	119
		Toluene-d8	50	51.1	102		85	116
		4-Bromofluorobenzene	50	50.9	102		79	119
VW0801SBSD0	VW0801SBSD01	1,2-Dichloroethane-d4	50	50.2	100		71	136
		Dibromofluoromethane	50	52.1	104		78	119

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Surrogate Summary

SDG No.: Q2747

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VW0801SBSD0	VW0801SBSD01	Toluene-d8	50	51.5	103		85	116
		4-Bromofluorobenzene	50	51.2	102		79	119
VW0804SBL01	VW0804SBL01	1,2-Dichloroethane-d4	50	50.6	101		71	136
		Dibromofluoromethane	50	48.1	96		78	119
		Toluene-d8	50	45.3	91		85	116
		4-Bromofluorobenzene	50	41.6	83		79	119
VW0804SBS01	VW0804SBS01	1,2-Dichloroethane-d4	50	52.8	106		71	136
		Dibromofluoromethane	50	55.9	112		78	119
		Toluene-d8	50	55.6	111		85	116
		4-Bromofluorobenzene	50	55.9	112		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031973.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0801SBS01	Dichlorodifluoromethane	20	17.3	ug/Kg	86			29	149	
	Chloromethane	20	19.6	ug/Kg	98			50	136	
	Vinyl chloride	20	18.3	ug/Kg	92			56	135	
	Bromomethane	20	19.7	ug/Kg	99			53	143	
	Chloroethane	20	20.0	ug/Kg	100			59	139	
	Tetrahydrofuran	100	110	ug/Kg	110			61	135	
	Trichlorofluoromethane	20	15.3	ug/Kg	77			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/Kg	99			66	136	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70	131	
	Acrylonitrile	100	110	ug/Kg	110			65	134	
	Acetone	100	110	ug/Kg	110			36	164	
	Carbon disulfide	20	18.9	ug/Kg	95			63	132	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			73	125	
	Methylene Chloride	20	17.3	ug/Kg	86			70	128	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			74	125	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			76	125	
	2-Butanone	100	110	ug/Kg	110			51	148	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70	135	
	2,2-Dichloropropane	20	18.4	ug/Kg	92			67	133	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			77	123	
	Chloroform	20	21.2	ug/Kg	106			78	123	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			73	130	
	1,1-Dichloropropene	20	19.3	ug/Kg	97			76	125	
	Benzene	20	20.1	ug/Kg	101			77	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			73	128	
	Trichloroethene	20	19.7	ug/Kg	99			77	123	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			76	123	
	Dibromomethane	20	20.6	ug/Kg	103			78	125	
	Bromodichloromethane	20	20.8	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			65	135	
	Toluene	20	20.0	ug/Kg	100			77	121	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	19.4	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			78	121	
	1,3-Dichloropropane	20	20.8	ug/Kg	104			77	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	20.5	ug/Kg	103			74	126	
	1,2-Dibromoethane	20	21.1	ug/Kg	106			78	122	
	Tetrachloroethene	20	20.3	ug/Kg	102			73	128	
	Chlorobenzene	20	19.5	ug/Kg	98			79	120	
	1,1,1,2-Tetrachloroethane	20	20.5	ug/Kg	103			78	125	
	Ethyl Benzene	20	18.9	ug/Kg	95			76	122	
	m/p-Xylenes	40	39.6	ug/Kg	99			77	124	
	o-Xylene	20	19.6	ug/Kg	98			77	123	
	Styrene	20	19.9	ug/Kg	100			76	124	
	Bromoform	20	21.2	ug/Kg	106			67	132	
	Isopropylbenzene	20	18.2	ug/Kg	91			68	134	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031973.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0801SBS01	1,2,3-Trichloropropane	20	19.9	ug/Kg	100			73	125	
	Bromobenzene	20	20.1	ug/Kg	101			78	121	
	N-propylbenzene	20	18.8	ug/Kg	94			73	125	
	2-Chlorotoluene	20	19.0	ug/Kg	95			75	122	
	1,3,5-Trimethylbenzene	20	18.6	ug/Kg	93			73	124	
	4-Chlorotoluene	20	19.1	ug/Kg	96			72	124	
	tert-Butylbenzene	20	18.6	ug/Kg	93			73	125	
	1,2,4-Trimethylbenzene	20	19.2	ug/Kg	96			75	123	
	Sec-butylbenzene	20	18.6	ug/Kg	93			73	126	
	p-Isopropyltoluene	20	18.9	ug/Kg	95			73	127	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			77	121	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			75	120	
	n-Butylbenzene	20	18.6	ug/Kg	93			70	128	
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101			78	121	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			61	132	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			67	129	
	Hexachlorobutadiene	20	18.8	ug/Kg	94			61	135	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			66	130	
	trans-1,4-Dichloro-2-butene	20	17.9	ug/Kg	90			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031974.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0801SBSD01	Dichlorodifluoromethane	20	16.2	ug/Kg	81	6		29	149	20
	Chloromethane	20	18.2	ug/Kg	91	7		50	136	20
	Vinyl chloride	20	17.0	ug/Kg	85	8		56	135	20
	Bromomethane	20	18.4	ug/Kg	92	7		53	143	20
	Chloroethane	20	18.7	ug/Kg	94	6		59	139	20
	Tetrahydrofuran	100	100	ug/Kg	100	10		61	135	20
	Trichlorofluoromethane	20	17.4	ug/Kg	87	12		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/Kg	94	5		66	136	20
	1,1-Dichloroethene	20	18.5	ug/Kg	93	6		70	131	20
	Acrylonitrile	100	100	ug/Kg	100	10		65	134	20
	Acetone	100	97.9	ug/Kg	98	12		36	164	20
	Carbon disulfide	20	17.8	ug/Kg	89	7		63	132	20
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	1		73	125	20
	Methylene Chloride	20	16.1	ug/Kg	81	6		70	128	20
	trans-1,2-Dichloroethene	20	18.9	ug/Kg	95	4		74	125	20
	1,1-Dichloroethane	20	19.3	ug/Kg	97	6		76	125	20
	2-Butanone	100	97.9	ug/Kg	98	12		51	148	20
	Carbon Tetrachloride	20	19.6	ug/Kg	98	1		70	135	20
	2,2-Dichloropropane	20	18.0	ug/Kg	90	2		67	133	20
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97	4		77	123	20
	Chloroform	20	19.8	ug/Kg	99	7		78	123	20
	1,1,1-Trichloroethane	20	18.8	ug/Kg	94	5		73	130	20
	1,1-Dichloropropene	20	19.0	ug/Kg	95	2		76	125	20
	Benzene	20	20.2	ug/Kg	101	0		77	121	20
	1,2-Dichloroethane	20	20.9	ug/Kg	104	1		73	128	20
	Trichloroethene	20	19.8	ug/Kg	99	0		77	123	20
	1,2-Dichloropropane	20	20.2	ug/Kg	101	2		76	123	20
	Dibromomethane	20	21.6	ug/Kg	108	5		78	125	20
	Bromodichloromethane	20	20.7	ug/Kg	104	0		75	127	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		65	135	20
	Toluene	20	20.0	ug/Kg	100	0		77	121	20
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99	2		71	130	20
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	2		74	126	20
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108	5		78	121	20
	1,3-Dichloropropane	20	21.3	ug/Kg	106	2		77	121	20
	2-Hexanone	100	100	ug/Kg	100	10		53	145	20
	Dibromochloromethane	20	20.8	ug/Kg	104	1		74	126	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	0		78	122	20
	Tetrachloroethene	20	19.2	ug/Kg	96	6		73	128	20
	Chlorobenzene	20	19.4	ug/Kg	97	1		79	120	20
	1,1,1,2-Tetrachloroethane	20	19.7	ug/Kg	99	4		78	125	20
	Ethyl Benzene	20	18.6	ug/Kg	93	2		76	122	20
	m/p-Xylenes	40	38.8	ug/Kg	97	2		77	124	20
	o-Xylene	20	19.1	ug/Kg	96	2		77	123	20
	Styrene	20	19.5	ug/Kg	98	2		76	124	20
	Bromoform	20	20.4	ug/Kg	102	4		67	132	20
	Isopropylbenzene	20	17.4	ug/Kg	87	4		68	134	20
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98	5		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031974.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0801SBSD01	1,2,3-Trichloropropane	20	19.2	ug/Kg	96	4		73	125	20
	Bromobenzene	20	18.7	ug/Kg	94	7		78	121	20
	N-propylbenzene	20	17.9	ug/Kg	90	4		73	125	20
	2-Chlorotoluene	20	18.3	ug/Kg	92	3		75	122	20
	1,3,5-Trimethylbenzene	20	18.1	ug/Kg	91	2		73	124	20
	4-Chlorotoluene	20	18.6	ug/Kg	93	3		72	124	20
	tert-Butylbenzene	20	17.8	ug/Kg	89	4		73	125	20
	1,2,4-Trimethylbenzene	20	18.1	ug/Kg	91	5		75	123	20
	Sec-butylbenzene	20	17.6	ug/Kg	88	6		73	126	20
	p-Isopropyltoluene	20	17.7	ug/Kg	89	7		73	127	20
	1,3-Dichlorobenzene	20	18.7	ug/Kg	94	8		77	121	20
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95	3		75	120	20
	n-Butylbenzene	20	17.5	ug/Kg	88	6		70	128	20
	1,2-Dichlorobenzene	20	19.2	ug/Kg	96	5		78	121	20
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	2		61	132	20
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88	7		67	129	20
	Hexachlorobutadiene	20	17.5	ug/Kg	88	7		61	135	20
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94	2		66	130	20
	trans-1,4-Dichloro-2-butene	20	16.8	ug/Kg	84	7		62	136	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBS01	Dichlorodifluoromethane	20	17.3	ug/Kg	86			29	149	
	Chloromethane	20	19.6	ug/Kg	98			50	136	
	Vinyl chloride	20	17.7	ug/Kg	89			56	135	
	Bromomethane	20	18.8	ug/Kg	94			53	143	
	Chloroethane	20	19.9	ug/Kg	100			59	139	
	Tetrahydrofuran	100	90.7	ug/Kg	91			61	135	
	Trichlorofluoromethane	20	15.1	ug/Kg	76			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			66	136	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70	131	
	Acrylonitrile	100	93.2	ug/Kg	93			65	134	
	Acetone	100	120	ug/Kg	120			36	164	
	Carbon disulfide	20	18.6	ug/Kg	93			63	132	
	Methyl tert-butyl Ether	20	19.9	ug/Kg	100			73	125	
	Methylene Chloride	20	16.6	ug/Kg	83			70	128	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			74	125	
	1,1-Dichloroethane	20	19.6	ug/Kg	98			76	125	
	2-Butanone	100	100	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			70	135	
	2,2-Dichloropropane	20	19.1	ug/Kg	96			67	133	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			77	123	
	Chloroform	20	20.4	ug/Kg	102			78	123	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			73	130	
	1,1-Dichloropropene	20	19.9	ug/Kg	100			76	125	
	Benzene	20	20.4	ug/Kg	102			77	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			73	128	
	Trichloroethene	20	20.4	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			76	123	
	Dibromomethane	20	20.3	ug/Kg	102			78	125	
	Bromodichloromethane	20	20.6	ug/Kg	103			75	127	
	4-Methyl-2-Pentanone	100	95.7	ug/Kg	96			65	135	
	Toluene	20	20.2	ug/Kg	101			77	121	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			71	130	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			74	126	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			78	121	
	1,3-Dichloropropane	20	20.1	ug/Kg	101			77	121	
	2-Hexanone	100	99.1	ug/Kg	99			53	145	
	Dibromochloromethane	20	20.6	ug/Kg	103			74	126	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			78	122	
	Tetrachloroethene	20	20.5	ug/Kg	103			73	128	
	Chlorobenzene	20	19.6	ug/Kg	98			79	120	
	1,1,1,2-Tetrachloroethane	20	20.1	ug/Kg	101			78	125	
	Ethyl Benzene	20	19.3	ug/Kg	97			76	122	
	m/p-Xylenes	40	39.5	ug/Kg	99			77	124	
	o-Xylene	20	19.7	ug/Kg	99			77	123	
	Styrene	20	20.2	ug/Kg	101			76	124	
	Bromoform	20	19.3	ug/Kg	97			67	132	
	Isopropylbenzene	20	18.4	ug/Kg	92			68	134	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2747 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0804SBS01	1,2,3-Trichloropropane	20	18.2	ug/Kg	91			73	125	
	Bromobenzene	20	20.0	ug/Kg	100			78	121	
	N-propylbenzene	20	18.6	ug/Kg	93			73	125	
	2-Chlorotoluene	20	18.7	ug/Kg	94			75	122	
	1,3,5-Trimethylbenzene	20	18.1	ug/Kg	91			73	124	
	4-Chlorotoluene	20	19.0	ug/Kg	95			72	124	
	tert-Butylbenzene	20	18.8	ug/Kg	94			73	125	
	1,2,4-Trimethylbenzene	20	18.1	ug/Kg	91			75	123	
	Sec-butylbenzene	20	18.1	ug/Kg	91			73	126	
	p-Isopropyltoluene	20	18.4	ug/Kg	92			73	127	
	1,3-Dichlorobenzene	20	19.3	ug/Kg	97			77	121	
	1,4-Dichlorobenzene	20	19.4	ug/Kg	97			75	120	
	n-Butylbenzene	20	18.2	ug/Kg	91			70	128	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86			61	132	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			67	129	
	Hexachlorobutadiene	20	18.0	ug/Kg	90			61	135	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			66	130	
	trans-1,4-Dichloro-2-butene	20	16.3	ug/Kg	81			62	136	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0801SBL01

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031972.D Lab Sample ID: VW0801SBL01

Date Analyzed: 08/01/2025 Time Analyzed: 09:21

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0801SBS01	VW0801SBS01	VW031973.D	08/01/2025
VW0801SBSD01	VW0801SBSD01	VW031974.D	08/01/2025
OU4-TS-GRILLO-OG2-073125	Q2747-01	VW031978.D	08/01/2025
OU4-TS-GRILLO-OG3-073125	Q2747-03	VW031979.D	08/01/2025
OU4-TS-GRILLO-OG4-073125	Q2747-05	VW031980.D	08/01/2025
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	VW031981.D	08/01/2025
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	VW031982.D	08/01/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0804SBL01

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031988.D Lab Sample ID: VW0804SBL01

Date Analyzed: 08/04/2025 Time Analyzed: 09:54

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

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0804SBS01	VW0804SBS01	VW031989.D	08/04/2025
OU4-TS-GRILLO-OG2-073125RE	Q2747-01RE	VW031991.D	08/04/2025
OU4-TS-GRILLO-OG3-073125RE	Q2747-03RE	VW031992.D	08/04/2025
OU4-TS-GRILLO-OG4-073125RE	Q2747-05RE	VW031993.D	08/04/2025
OU4-TS-GRILLO-TSCP01-073125RE	Q2747-07RE	VW031994.D	08/04/2025
OU4-TS-GRILLO-TSCP02-073125RE	Q2747-09RE	VW031995.D	08/04/2025

COMMENTS:

Raw Data: **VW031890.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2747
Lab File ID: VW031890.D
BFB Injection Date: 07/22/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:14
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	63.8 (95) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW031891.D	07/22/2025	09:05
VSTDICC010	VSTDICC010	VW031892.D	07/22/2025	09:37
VSTDICC020	VSTDICC020	VW031893.D	07/22/2025	10:17
VSTDICCC050	VSTDICCC050	VW031894.D	07/22/2025	10:39
VSTDICC100	VSTDICC100	VW031895.D	07/22/2025	11:18
VSTDICC150	VSTDICC150	VW031896.D	07/22/2025	12:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2747
Lab File ID: VW031970.D
BFB Injection Date: 08/01/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:52
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	63.8
175	5.0 - 9.0% of mass 174	4.8 (7.5) 1
176	95.0 - 101.0% of mass 174	61.5 (96.4) 1
177	5.0 - 9.0% of mass 176	4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031971.D	08/01/2025	08:21
VW0801SBL01	VW0801SBL01	VW031972.D	08/01/2025	09:21
VW0801SBS01	VW0801SBS01	VW031973.D	08/01/2025	09:49
VW0801SBSD01	VW0801SBSD01	VW031974.D	08/01/2025	10:12
OU4-TS-GRILLO-OG2-073125	Q2747-01	VW031978.D	08/01/2025	12:18
OU4-TS-GRILLO-OG3-073125	Q2747-03	VW031979.D	08/01/2025	12:40
OU4-TS-GRILLO-OG4-073125	Q2747-05	VW031980.D	08/01/2025	13:02
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	VW031981.D	08/01/2025	13:24
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	VW031982.D	08/01/2025	13:47
VSTDCCC050EC	VSTDCCC050	VW031985.D	08/01/2025	14:57

Raw Data: **VW031986.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2747
Lab File ID: VW031986.D
BFB Injection Date: 08/04/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:47
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	66.6 (99) 1
177	5.0 - 9.0% of mass 176	4 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031987.D	08/04/2025	09:24
VW0804SBL01	VW0804SBL01	VW031988.D	08/04/2025	09:54
VW0804SBS01	VW0804SBS01	VW031989.D	08/04/2025	10:20
OU4-TS-GRILLO-OG2-073125RE	Q2747-01RE	VW031991.D	08/04/2025	11:22
OU4-TS-GRILLO-OG3-073125RE	Q2747-03RE	VW031992.D	08/04/2025	11:44
OU4-TS-GRILLO-OG4-073125RE	Q2747-05RE	VW031993.D	08/04/2025	12:06
OU4-TS-GRILLO-TSCP01-073125RE	Q2747-07RE	VW031994.D	08/04/2025	12:28
OU4-TS-GRILLO-TSCP02-073125RE	Q2747-09RE	VW031995.D	08/04/2025	12:50
VSTDCCC050EC	VSTDCCC050	VW032002.D	08/04/2025	15:24

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031971.D Date Analyzed: 08/01/2025

Instrument ID: MSVOA_W Time Analyzed: 08:21

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	217356	7.96	389384	8.85	352859	11.63
UPPER LIMIT	434712	8.459	778768	9.349	705718	12.129
LOWER LIMIT	108678	7.459	194692	8.349	176430	11.129
EPA SAMPLE NO.						
OU4-TS-GRILLO-OG2-073125	162957	7.97	375651	8.86	313359	11.63
OU4-TS-GRILLO-OG3-073125	177359	7.96	372534	8.85	301695	11.64
OU4-TS-GRILLO-OG4-073125	176395	7.96	371246	8.85	309612	11.63
OU4-TS-GRILLO-TSCP01-073125	167026	7.97	345398	8.86	278680	11.63
OU4-TS-GRILLO-TSCP02-073125	164473	7.97	352062	8.85	286269	11.63
VW0801SBL01	165069	7.96	350388	8.85	344045	11.64
VW0801SBS01	204409	7.96	389040	8.85	355301	11.63
VW0801SBSD01	220615	7.96	398144	8.86	370224	11.63

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

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

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031971.D Date Analyzed: 08/01/2025

Instrument ID: MSVOA_W Time Analyzed: 08:21

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

	IS4 AREA #	RT #				
12 HOUR STD	168273	13.556				
UPPER LIMIT	336546	14.056				
LOWER LIMIT	84136.5	13.056				
EPA SAMPLE NO.						
OU4-TS-GRILLO-OG2-073125	103107	13.56				
OU4-TS-GRILLO-OG3-073125	108718	13.55				
OU4-TS-GRILLO-OG4-073125	107269	13.56				
OU4-TS-GRILLO-TSCP01-073125	92634	13.56				
OU4-TS-GRILLO-TSCP02-073125	96002	13.56				
VW0801SBL01	156295	13.56				
VW0801SBS01	169621	13.56				
VW0801SBSD01	179082	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031987.D Date Analyzed: 08/04/2025

Instrument ID: MSVOA_W Time Analyzed: 09:24

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	244933	7.96	432425	8.85	389959	11.63
UPPER LIMIT	489866	8.459	864850	9.349	779918	12.129
LOWER LIMIT	122467	7.459	216213	8.349	194980	11.129
EPA SAMPLE NO.						
OU4-TS-GRILLO-OG2-073125RE	182402	7.96	364170	8.85	310098	11.63
OU4-TS-GRILLO-OG3-073125RE	177665	7.96	379769	8.86	308519	11.63
OU4-TS-GRILLO-OG4-073125RE	184344	7.96	375350	8.86	319941	11.63
OU4-TS-GRILLO-TSCP01-073125RE	177491	7.96	358263	8.86	293647	11.63
OU4-TS-GRILLO-TSCP02-073125RE	170532	7.96	361147	8.85	301306	11.64
VW0804SBL01	168222	7.95	365101	8.85	334575	11.63
VW0804SBS01	212167	7.96	385271	8.85	349774	11.63

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2747

Lab File ID: VW031987.D Date Analyzed: 08/04/2025

Instrument ID: MSVOA_W Time Analyzed: 09:24

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

	IS4 AREA #	RT #				
12 HOUR STD	173087	13.556				
UPPER LIMIT	346174	14.056				
LOWER LIMIT	86543.5	13.056				
EPA SAMPLE NO.						
OU4-TS-GRILLO-OG2-073125RE	100373	13.56				
OU4-TS-GRILLO-OG3-073125RE	101860	13.56				
OU4-TS-GRILLO-OG4-073125RE	110918	13.56				
OU4-TS-GRILLO-TSCP01-073125RE	92547	13.56				
OU4-TS-GRILLO-TSCP02-073125RE	100656	13.56				
VW0804SBL01	154504	13.56				
VW0804SBS01	170576	13.56				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Raw Data: **VW031978.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031978.D	1	08/01/25 12:18	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0068	U	0.0019	0.0068	0.0085	mg/Kg
74-87-3	Chloromethane	0.0042	U	0.0019	0.0042	0.0085	mg/Kg
75-01-4	Vinyl Chloride	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
74-83-9	Bromomethane	0.0068	U	0.0018	0.0068	0.0085	mg/Kg
75-00-3	Chloroethane	0.0042	U	0.0021	0.0042	0.0085	mg/Kg
109-99-9	Tetrahydrofuran	0.021	U	0.0079	0.021	0.042	mg/Kg
75-69-4	Trichlorofluoromethane	0.0068	U	0.0020	0.0068	0.0085	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0042	U	0.0018	0.0042	0.0085	mg/Kg
75-35-4	1,1-Dichloroethene	0.0042	U	0.0017	0.0042	0.0085	mg/Kg
107-13-1	Acrylonitrile	0.021	U	0.0084	0.021	0.042	mg/Kg
67-64-1	Acetone	0.034	U	0.0080	0.034	0.042	mg/Kg
75-15-0	Carbon Disulfide	0.0068	U	0.0018	0.0068	0.0085	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0042	U	0.0012	0.0042	0.0085	mg/Kg
75-09-2	Methylene Chloride	0.014	U	0.0060	0.014	0.017	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
75-34-3	1,1-Dichloroethane	0.0042	U	0.0014	0.0042	0.0085	mg/Kg
78-93-3	2-Butanone	0.034	U	0.011	0.034	0.042	mg/Kg
56-23-5	Carbon Tetrachloride	0.0042	U	0.0016	0.0042	0.0085	mg/Kg
594-20-7	2,2-Dichloropropane	0.0068	U	0.0022	0.0068	0.0085	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
67-66-3	Chloroform	0.0068	U	0.0014	0.0068	0.0085	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0042	U	0.0016	0.0042	0.0085	mg/Kg
563-58-6	1,1-Dichloropropene	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
71-43-2	Benzene	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
107-06-2	1,2-Dichloroethane	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
79-01-6	Trichloroethene	0.0042	U	0.0014	0.0042	0.0085	mg/Kg
78-87-5	1,2-Dichloropropane	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
74-95-3	Dibromomethane	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
75-27-4	Bromodichloromethane	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.021	U	0.0061	0.021	0.042	mg/Kg

Raw Data: **VW031978.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031978.D	1	08/01/25 12:18	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0042	U	0.0016	0.0042	0.0085	mg/Kg
142-28-9	1,3-Dichloropropane	0.0042	U	0.0012	0.0042	0.0085	mg/Kg
591-78-6	2-Hexanone	0.021	U	0.0062	0.021	0.042	mg/Kg
124-48-1	Dibromochloromethane	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
106-93-4	1,2-Dibromoethane	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
127-18-4	Tetrachloroethene	0.0042	U	0.0018	0.0042	0.0085	mg/Kg
108-90-7	Chlorobenzene	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
100-41-4	Ethyl Benzene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
1330-20-7	Total Xylenes	0.013	U	0.0035	0.013	0.025	mg/Kg
179601-23-1	m/p-Xylenes	0.0085	U	0.0021	0.0085	0.017	mg/Kg
95-47-6	o-Xylene	0.0042	U	0.0014	0.0042	0.0085	mg/Kg
100-42-5	Styrene	0.0042	U	0.0012	0.0042	0.0085	mg/Kg
75-25-2	Bromoform	0.0042	U	0.0015	0.0042	0.0085	mg/Kg
98-82-8	Isopropylbenzene	0.0042	U	0.0013	0.0042	0.0085	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0042	U	0.0020	0.0042	0.0085	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0068	U	0.0021	0.0068	0.0085	mg/Kg
108-86-1	Bromobenzene	0.0042	U	0.0020	0.0042	0.0085	mg/Kg
103-65-1	n-propylbenzene	0.0042	U	0.0012	0.0042	0.0085	mg/Kg
95-49-8	2-Chlorotoluene	0.0042	U	0.0012	0.0042	0.0085	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0042	U	0.0014	0.0042	0.0085	mg/Kg
106-43-4	4-Chlorotoluene	0.0042	U	0.0021	0.0042	0.0085	mg/Kg
98-06-6	tert-Butylbenzene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
135-98-8	sec-Butylbenzene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
99-87-6	p-Isopropyltoluene	0.0042	U	0.0011	0.0042	0.0085	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0042	U	0.0029	0.0042	0.0085	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0042	U	0.0026	0.0042	0.0085	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031978.D	1	08/01/25 12:18	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0042	U	0.0025	0.0042	0.0085	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0042	U	0.0025	0.0042	0.0085	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0068	U	0.0031	0.0068	0.0085	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0068	U	0.0050	0.0068	0.0085	mg/Kg
87-68-3	Hexachlorobutadiene	0.0042	U	0.0032	0.0042	0.0085	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0068	U	0.0054	0.0068	0.0085	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0042	U	0.0018	0.0042	0.0085	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		78 - 119		94%	SPK: 50
2037-26-5	Toluene-d8	44.0		85 - 116		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.8	*	79 - 119		66%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	7.965				
540-36-3	1,4-Difluorobenzene	376000	8.855				
3114-55-4	Chlorobenzene-d5	313000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.556				

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

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

Sample Results: **VW031978.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031978.D
Acq On : 01 Aug 2025 12:18
Operator : SY/MD
Sample : Q2747-01
Misc : 3.90g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 01 23:11:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

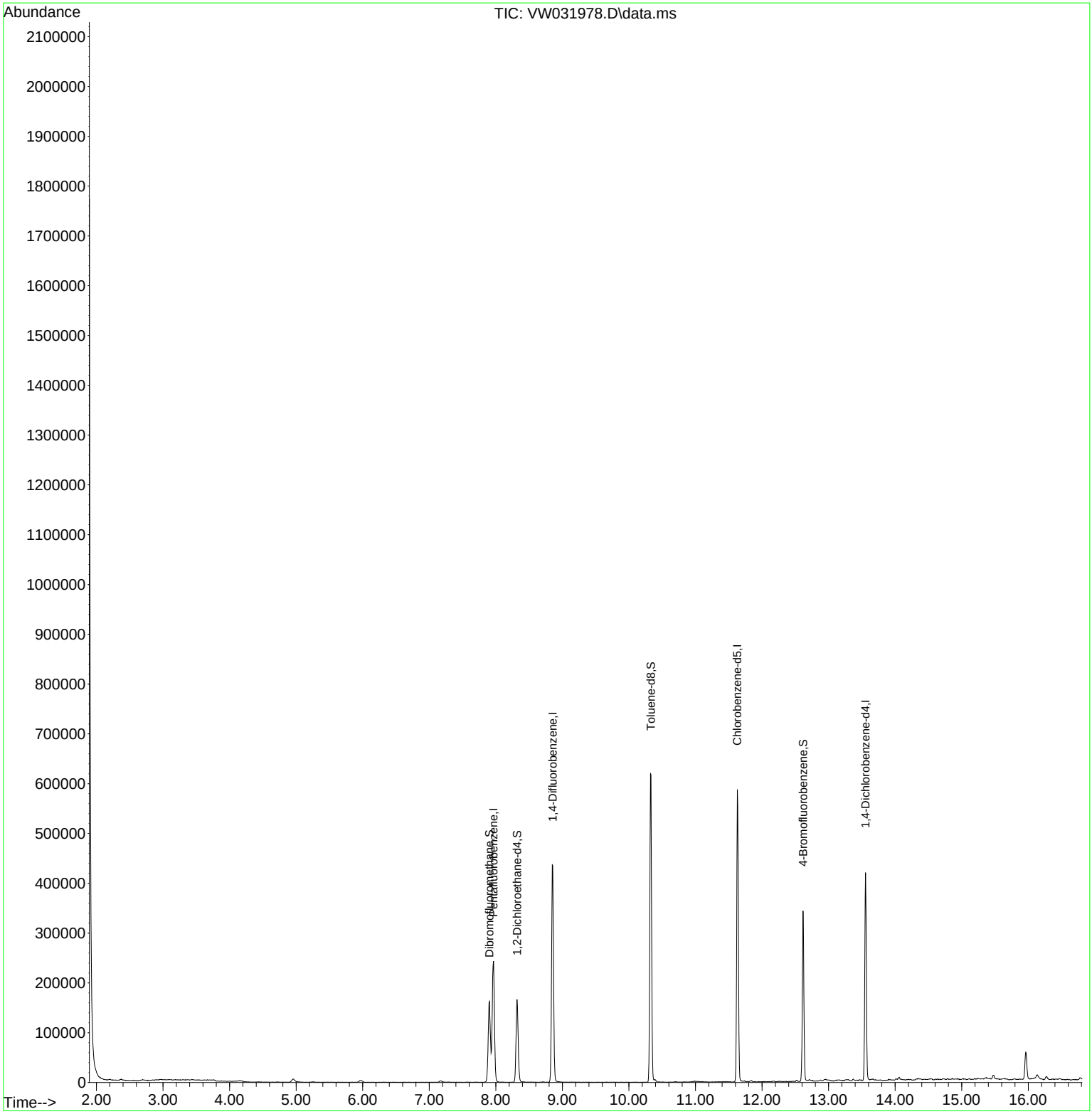
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	162957	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	375651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	313359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	103107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133984	54.352	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.700%			
35) Dibromofluoromethane	7.904	113	119893	46.969	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 93.940%			
50) Toluene-d8	10.331	98	425552	44.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 88.100%			
62) 4-Bromofluorobenzene	12.617	95	121638	32.790	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 65.580%			
Target Compounds						Qvalue

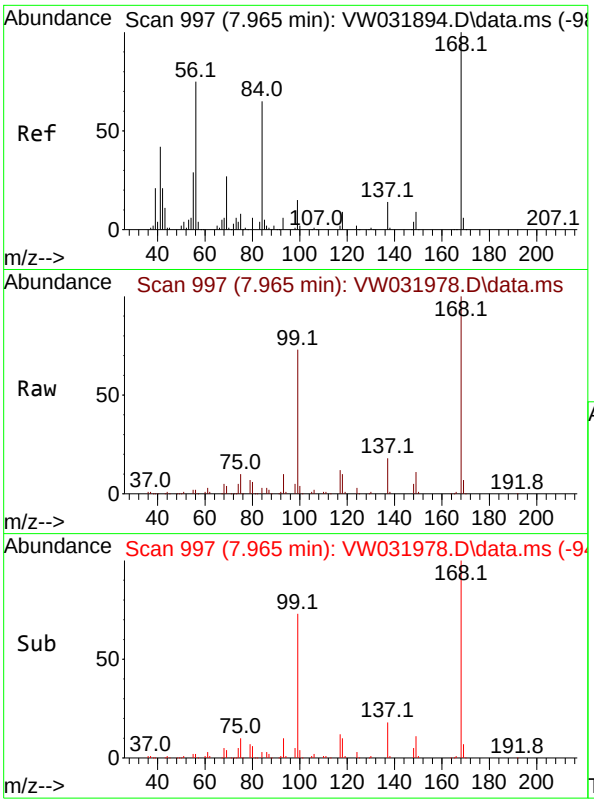
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031978.D
Acq On : 01 Aug 2025 12:18
Operator : SY/MD
Sample : Q2747-01
Misc : 3.90g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 01 23:11:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



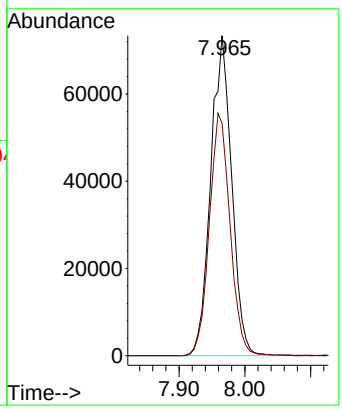


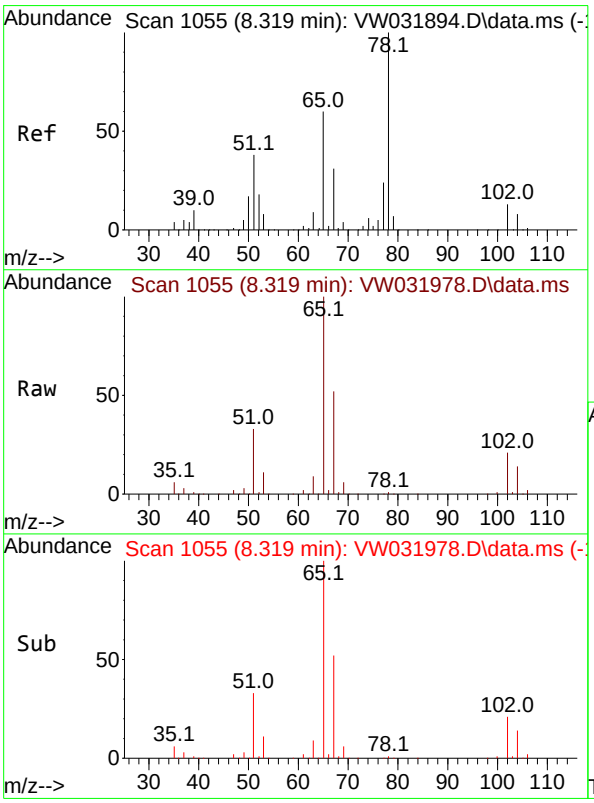
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:168 Resp: 162957

Ion	Ratio	Lower	Upper
168	100		
99	72.6	48.2	72.2#

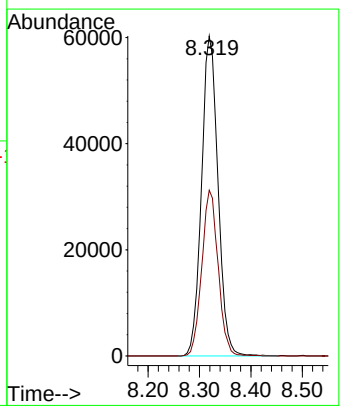


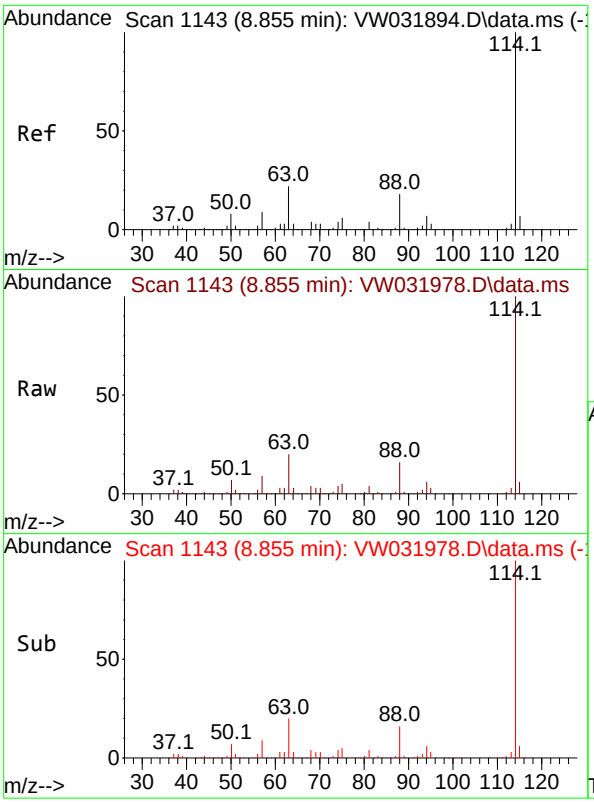


#33
1,2-Dichloroethane-d4
Concen: 54.352 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion: 65 Resp: 133984

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4



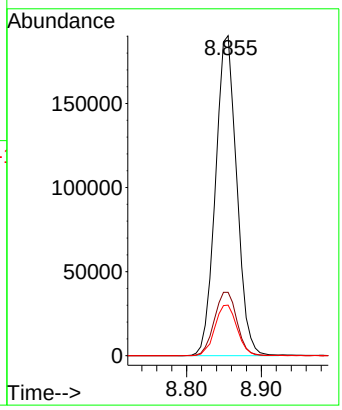


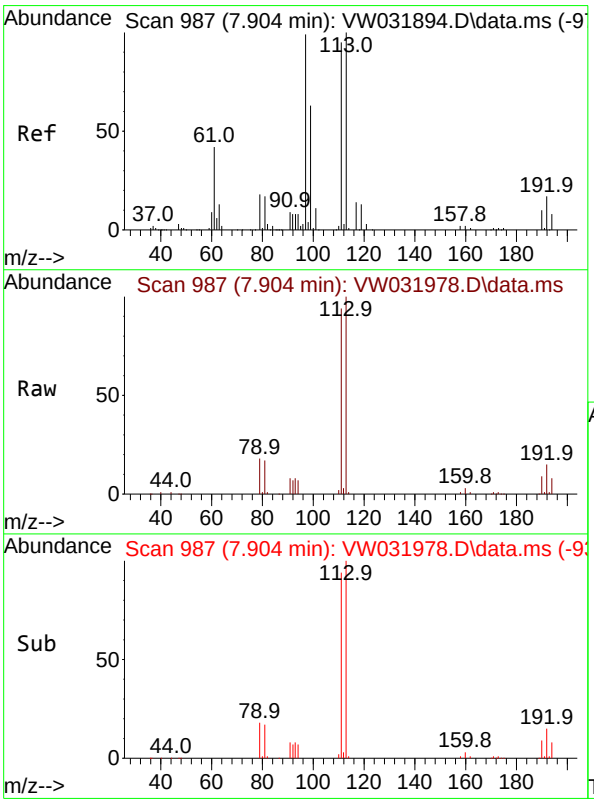
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:114 Resp: 375651

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	44.2
88	15.8	0.0	35.6

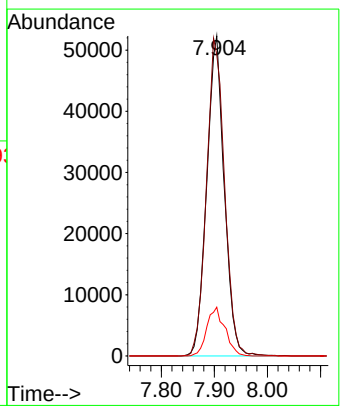


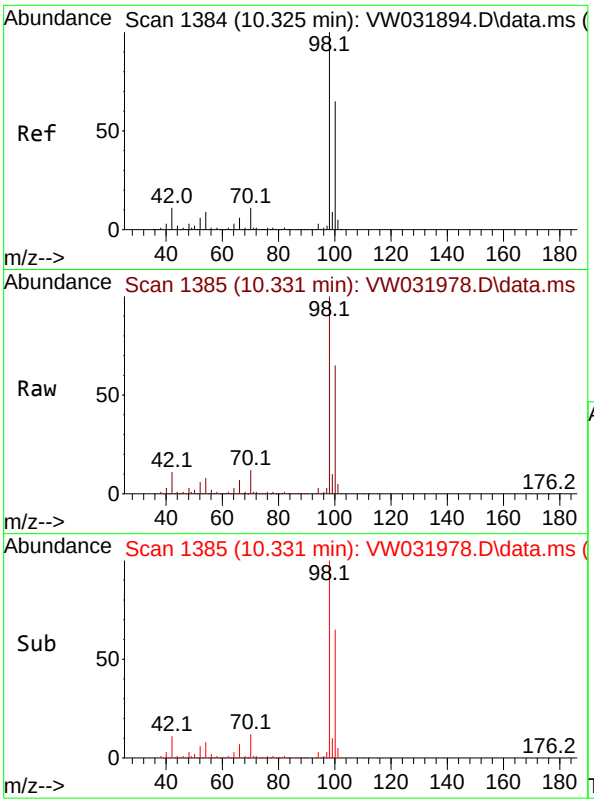


#35
Dibromofluoromethane
Concen: 46.969 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion:113 Resp: 119893

Ion	Ratio	Lower	Upper
113	100		
111	102.7	79.9	119.9
192	15.8	12.6	19.0



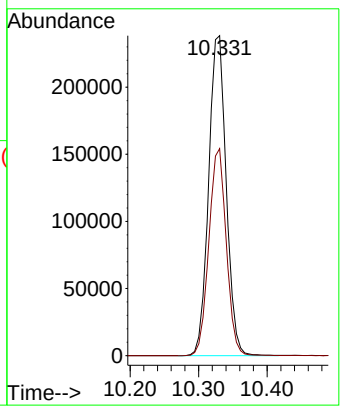


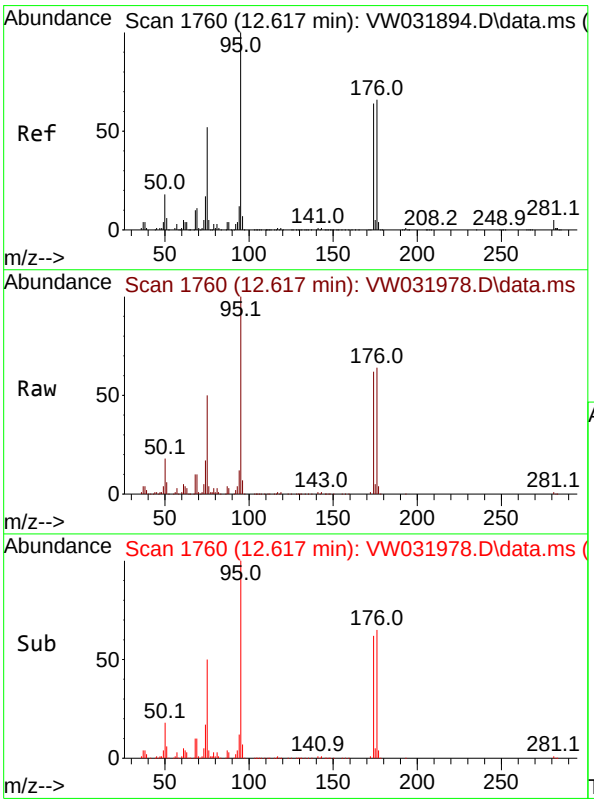
#50
Toluene-d8
Concen: 44.049 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion: 98 Resp: 425552

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5

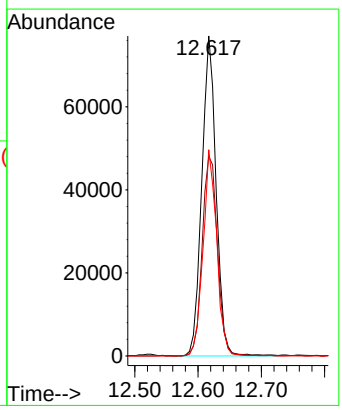


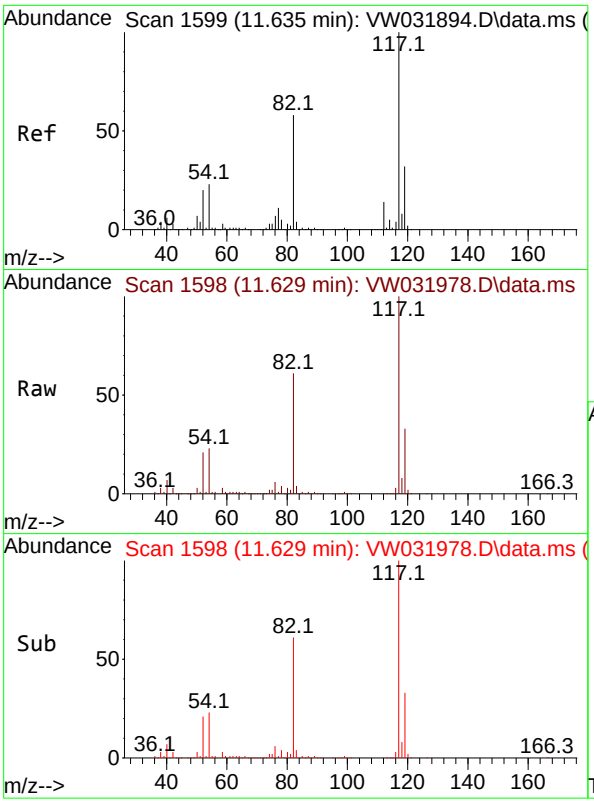


#62
4-Bromofluorobenzene
Concen: 32.790 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion: 95 Resp: 121638

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	129.8
176	61.7	0.0	130.4



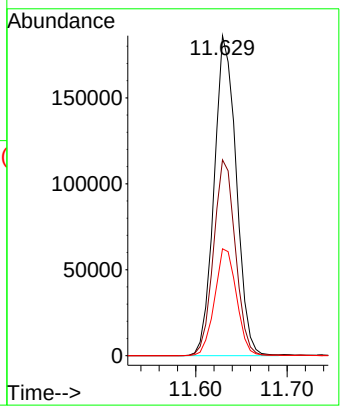


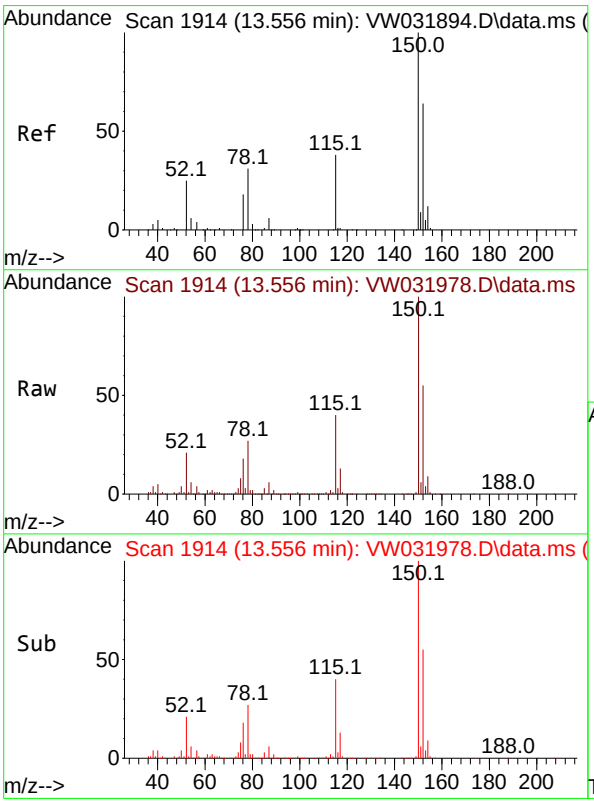
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:117 Resp: 313359

Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.5	69.7
119	33.4	25.8	38.6

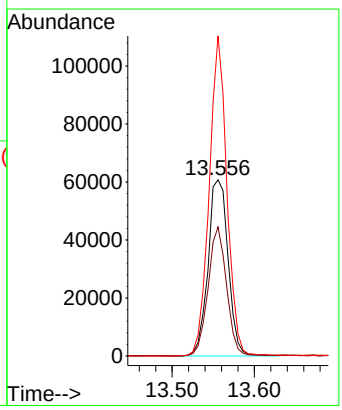




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion:152 Resp: 103107

Ion	Ratio	Lower	Upper
152	100		
115	67.5	33.4	100.1
150	160.6	0.0	352.2



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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-01RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031991.D	1	08/04/25 11:22	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0067	U	0.0019	0.0067	0.0084	mg/Kg
74-87-3	Chloromethane	0.0042	U	0.0019	0.0042	0.0084	mg/Kg
75-01-4	Vinyl Chloride	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
74-83-9	Bromomethane	0.0067	U	0.0018	0.0067	0.0084	mg/Kg
75-00-3	Chloroethane	0.0042	U	0.0021	0.0042	0.0084	mg/Kg
109-99-9	Tetrahydrofuran	0.021	U	0.0078	0.021	0.042	mg/Kg
75-69-4	Trichlorofluoromethane	0.0067	U	0.0020	0.0067	0.0084	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
75-35-4	1,1-Dichloroethene	0.0042	U	0.0017	0.0042	0.0084	mg/Kg
107-13-1	Acrylonitrile	0.021	U	0.0084	0.021	0.042	mg/Kg
67-64-1	Acetone	0.034	U	0.0080	0.034	0.042	mg/Kg
75-15-0	Carbon Disulfide	0.0067	U	0.0018	0.0067	0.0084	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
75-09-2	Methylene Chloride	0.013	U	0.0059	0.013	0.017	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
75-34-3	1,1-Dichloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
78-93-3	2-Butanone	0.034	U	0.011	0.034	0.042	mg/Kg
56-23-5	Carbon Tetrachloride	0.0042	U	0.0016	0.0042	0.0084	mg/Kg
594-20-7	2,2-Dichloropropane	0.0067	U	0.0022	0.0067	0.0084	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
67-66-3	Chloroform	0.0067	U	0.0014	0.0067	0.0084	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0042	U	0.0016	0.0042	0.0084	mg/Kg
563-58-6	1,1-Dichloropropene	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
71-43-2	Benzene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
107-06-2	1,2-Dichloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
79-01-6	Trichloroethene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
78-87-5	1,2-Dichloropropane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
74-95-3	Dibromomethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
75-27-4	Bromodichloromethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.021	U	0.0060	0.021	0.042	mg/Kg

Raw Data: **VW031991.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-01RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031991.D	1	08/04/25 11:22	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
142-28-9	1,3-Dichloropropane	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
591-78-6	2-Hexanone	0.021	U	0.0062	0.021	0.042	mg/Kg
124-48-1	Dibromochloromethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
106-93-4	1,2-Dibromoethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
127-18-4	Tetrachloroethene	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
108-90-7	Chlorobenzene	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
100-41-4	Ethyl Benzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
1330-20-7	Total Xylenes	0.013	U	0.0035	0.013	0.025	mg/Kg
179601-23-1	m/p-Xylenes	0.0084	U	0.0021	0.0084	0.017	mg/Kg
95-47-6	o-Xylene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
100-42-5	Styrene	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
75-25-2	Bromoform	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
98-82-8	Isopropylbenzene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0042	U	0.0020	0.0042	0.0084	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0067	U	0.0021	0.0067	0.0084	mg/Kg
108-86-1	Bromobenzene	0.0042	U	0.0020	0.0042	0.0084	mg/Kg
103-65-1	n-propylbenzene	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
95-49-8	2-Chlorotoluene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
106-43-4	4-Chlorotoluene	0.0042	U	0.0021	0.0042	0.0084	mg/Kg
98-06-6	tert-Butylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
135-98-8	sec-Butylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
99-87-6	p-Isopropyltoluene	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0042	U	0.0029	0.0042	0.0084	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0042	U	0.0026	0.0042	0.0084	mg/Kg

Raw Data: **VW031991.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-01RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	75.7
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031991.D	1	08/04/25 11:22	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0042	U	0.0024	0.0042	0.0084	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0042	U	0.0024	0.0042	0.0084	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0067	U	0.0031	0.0067	0.0084	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0067	U	0.0050	0.0067	0.0084	mg/Kg
87-68-3	Hexachlorobutadiene	0.0042	U	0.0032	0.0042	0.0084	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0067	U	0.0053	0.0067	0.0084	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		71 - 136		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	45.9		85 - 116		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.9	*	79 - 119		64%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	182000	7.959				
540-36-3	1,4-Difluorobenzene	364000	8.849				
3114-55-4	Chlorobenzene-d5	310000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	100000	13.556				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031991.D
Acq On : 04 Aug 2025 11:22
Operator : SY/MD
Sample : Q2747-01RE
Misc : 3.93g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Quant Time: Aug 05 01:16:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	182402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	364170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132965	48.188	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.380%		
35) Dibromofluoromethane	7.898	113	121261	49.003	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.000%		
50) Toluene-d8	10.325	98	429410	45.850	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.700%		
62) 4-Bromofluorobenzene	12.617	95	114570	31.859	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	63.720%		

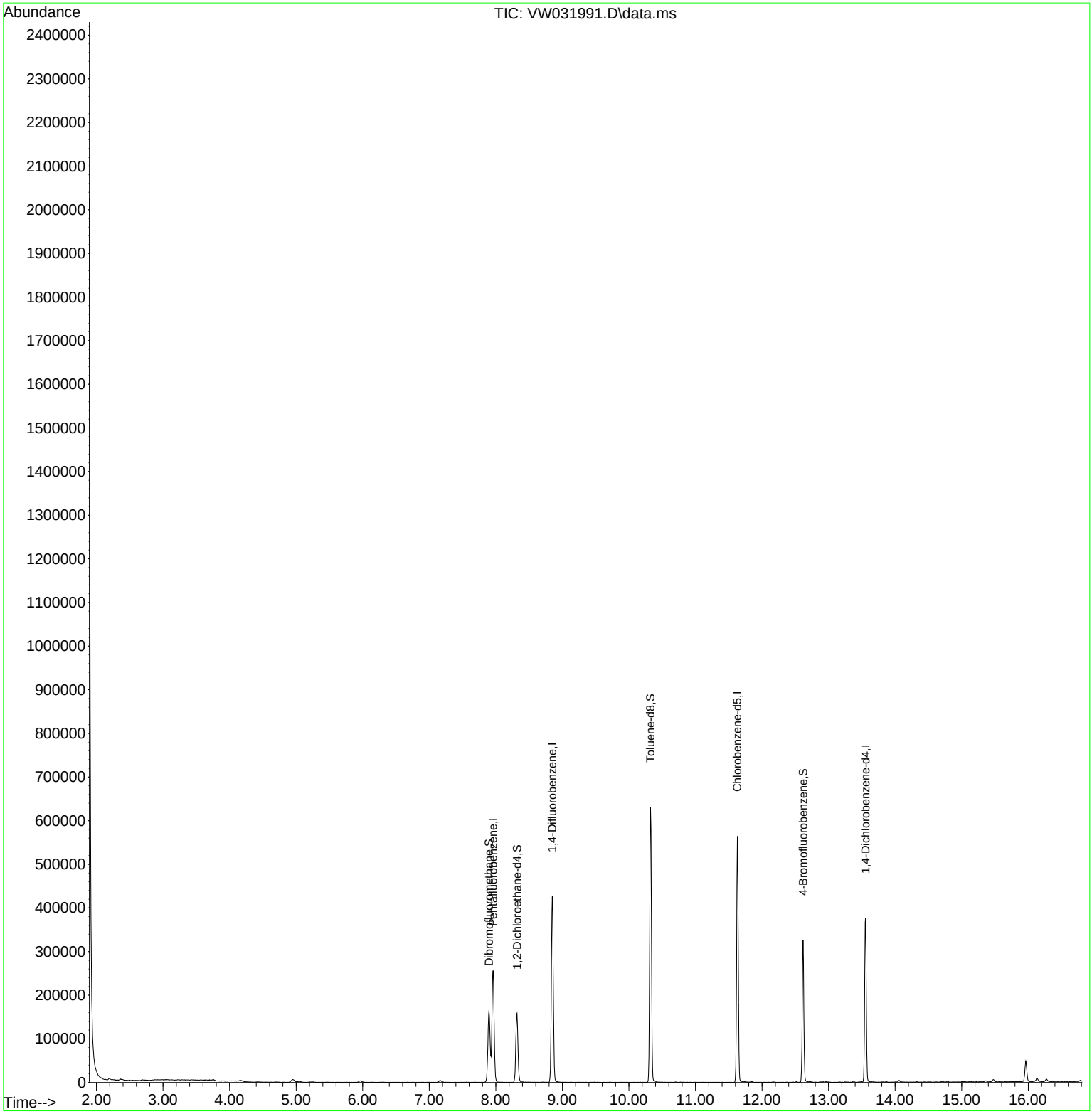
Target Compounds Qvalue

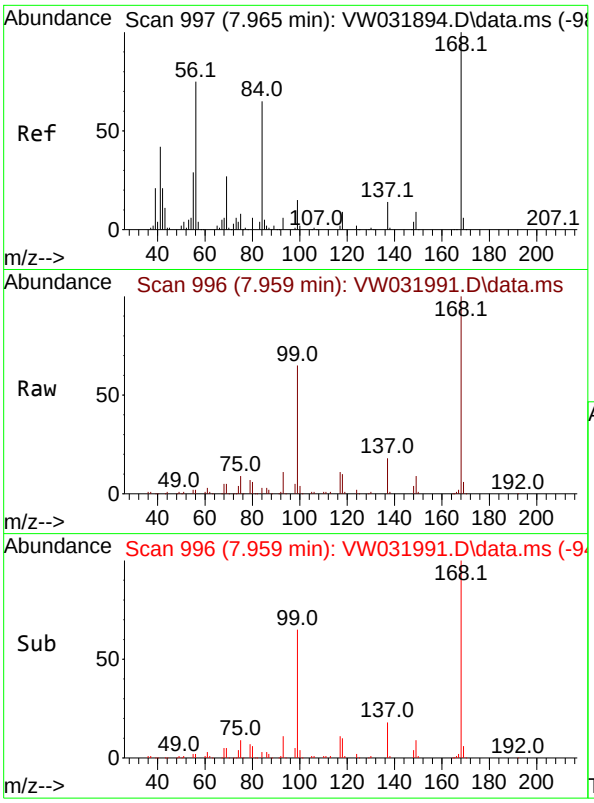
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031991.D
Acq On : 04 Aug 2025 11:22
Operator : SY/MD
Sample : Q2747-01RE
Misc : 3.93g/5mL/MSVOA_W/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Quant Time: Aug 05 01:16:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



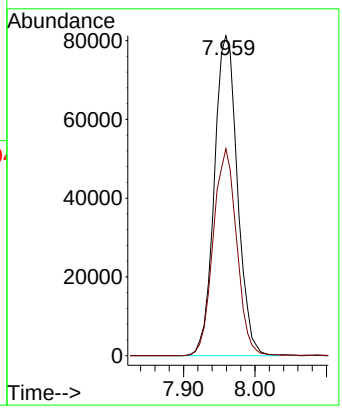


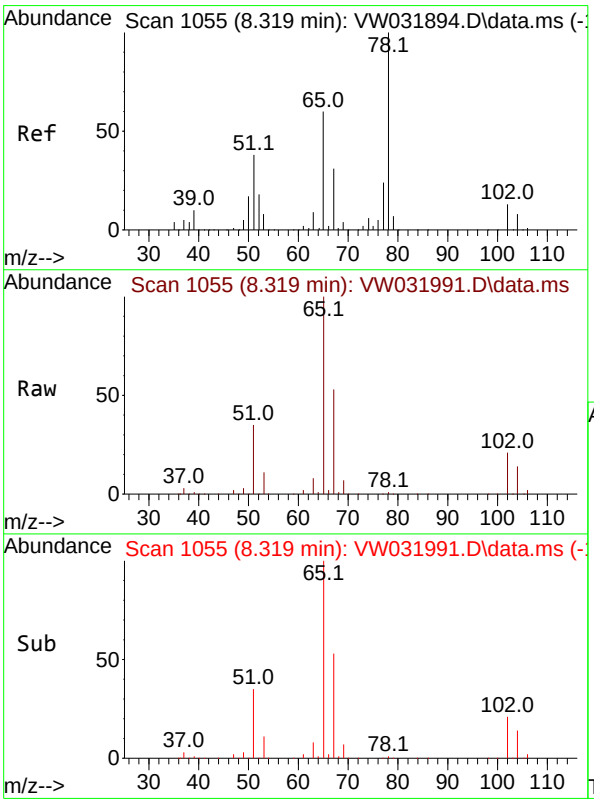
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Tgt Ion:168 Resp: 182402

Ion	Ratio	Lower	Upper
168	100		
99	64.7	48.2	72.2

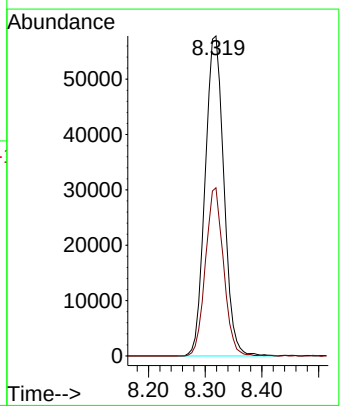


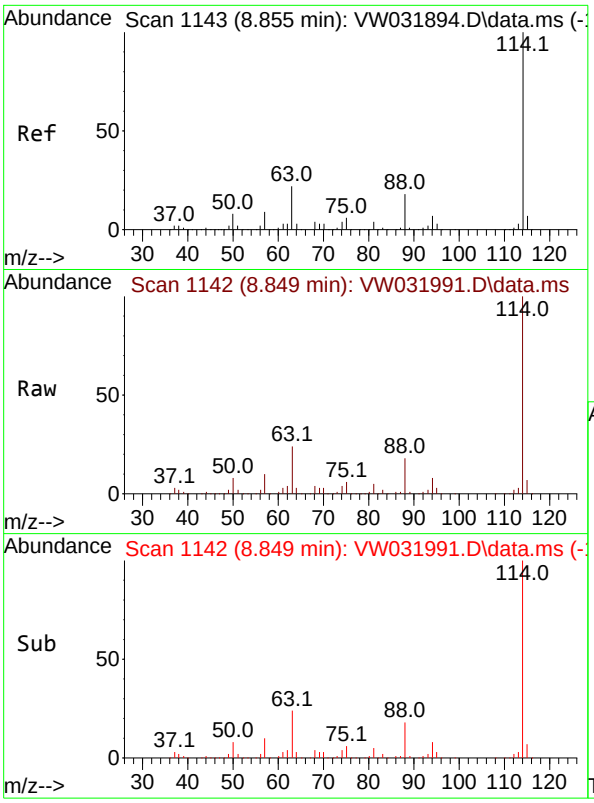


#33
1,2-Dichloroethane-d4
Concen: 48.188 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion: 65 Resp: 132965

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.4



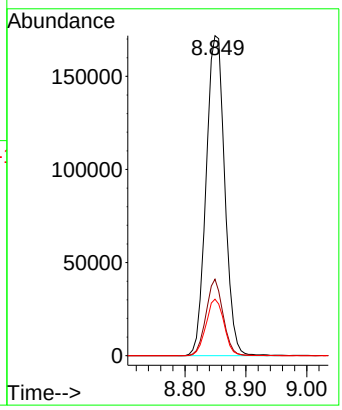


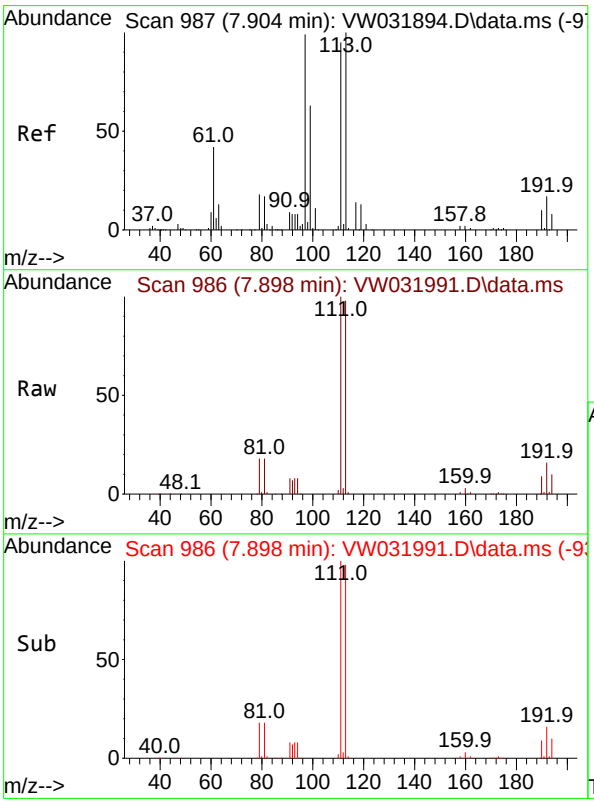
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Tgt Ion:114 Resp: 364170

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	44.2
88	17.6	0.0	35.6

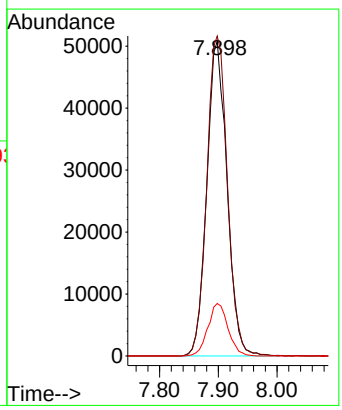


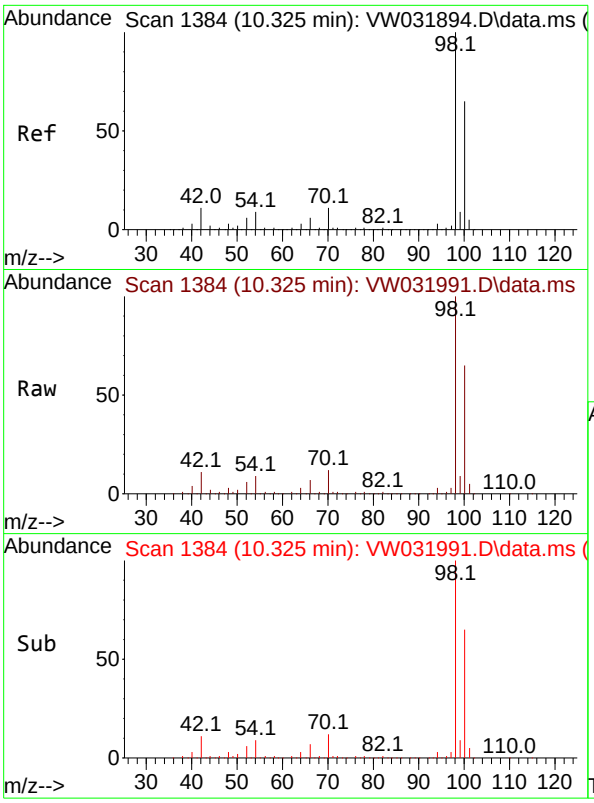


#35
Dibromofluoromethane
Concen: 49.003 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion:113 Resp: 121261

Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.9	119.9
192	16.6	12.6	19.0



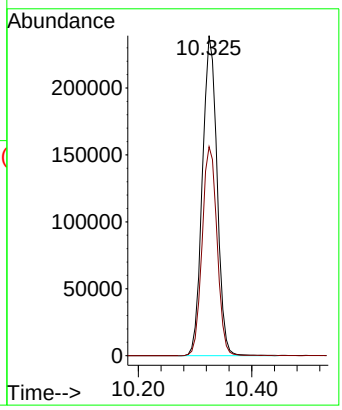


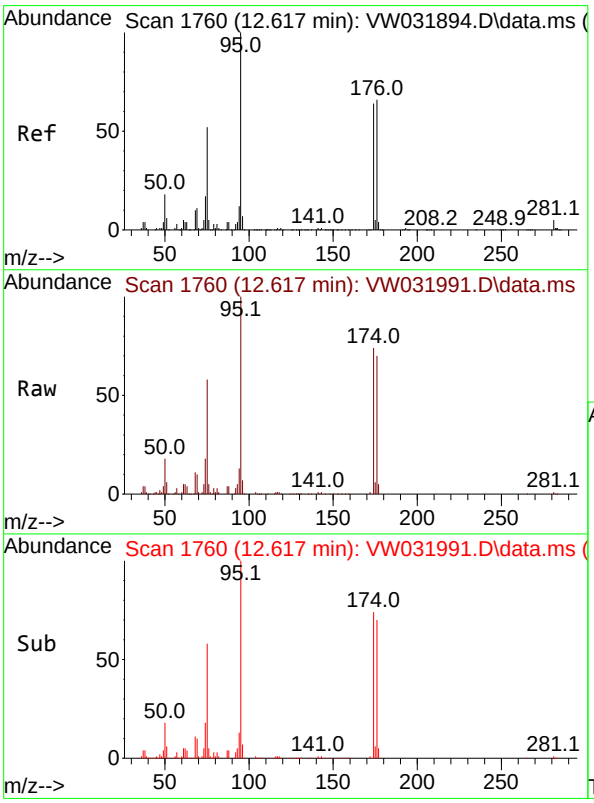
#50
Toluene-d8
Concen: 45.850 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Tgt Ion: 98 Resp: 429410

Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.7	77.5

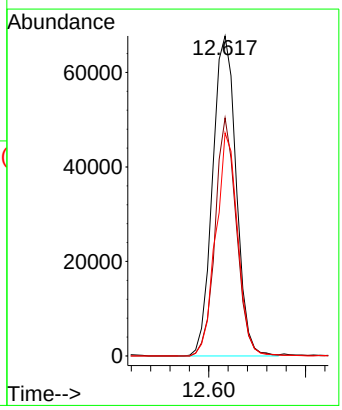


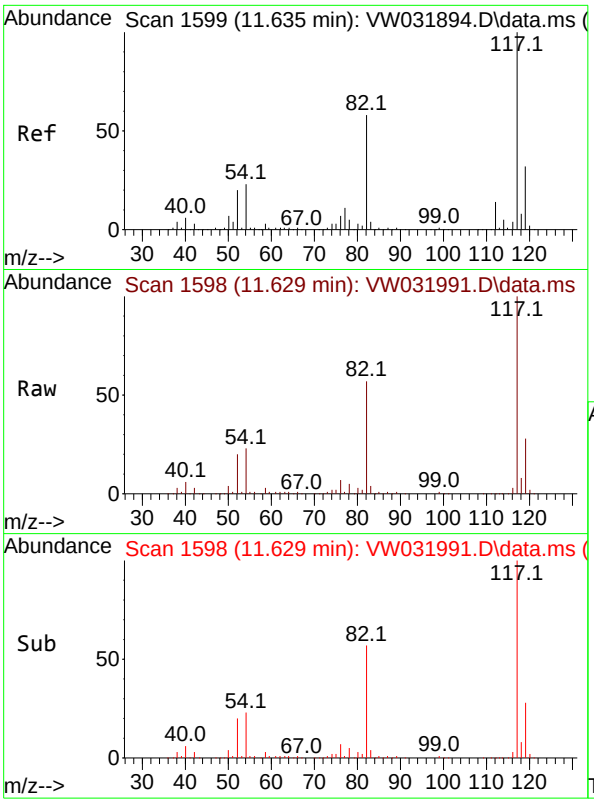


#62
4-Bromofluorobenzene
Concen: 31.859 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion: 95 Resp: 114570

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	129.8
176	64.8	0.0	130.4



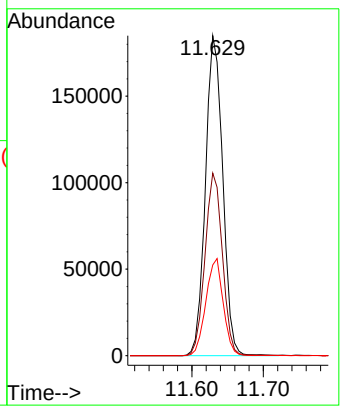


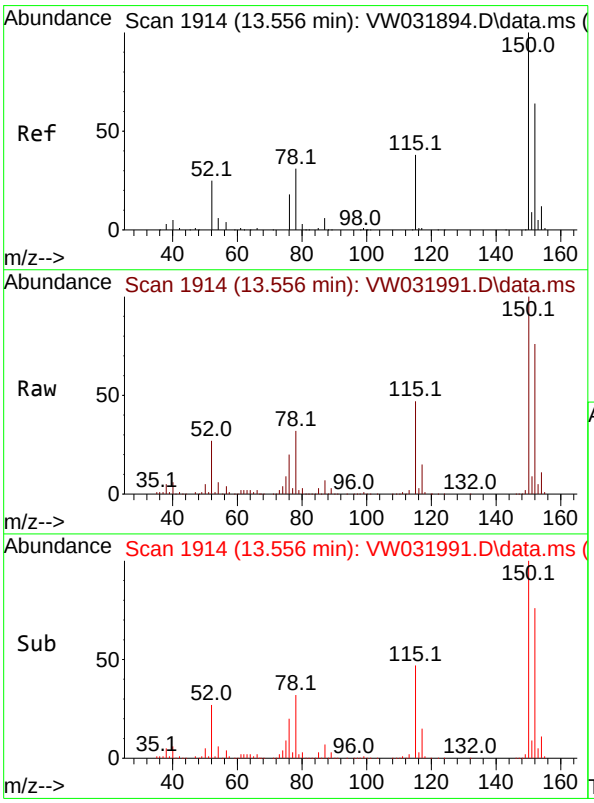
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125RE

Tgt Ion:117 Resp: 310098

Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.5	69.7
119	28.3	25.8	38.6

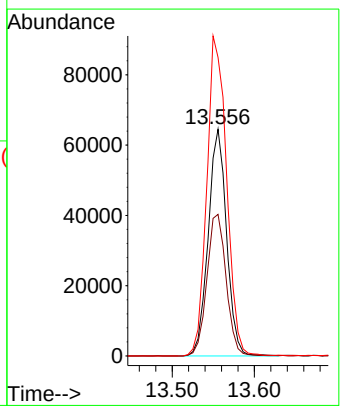




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031991.D
Acq: 04 Aug 2025 11:22

Tgt Ion:152 Resp: 100373

Ion	Ratio	Lower	Upper
152	100		
115	65.3	33.4	100.1
150	151.1	0.0	352.2



Raw Data: **VW031979.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031979.D	1	08/01/25 12:40	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0067	U	0.0019	0.0067	0.0084	mg/Kg
74-87-3	Chloromethane	0.0042	U	0.0019	0.0042	0.0084	mg/Kg
75-01-4	Vinyl Chloride	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
74-83-9	Bromomethane	0.0067	U	0.0018	0.0067	0.0084	mg/Kg
75-00-3	Chloroethane	0.0042	U	0.0021	0.0042	0.0084	mg/Kg
109-99-9	Tetrahydrofuran	0.021	U	0.0079	0.021	0.042	mg/Kg
75-69-4	Trichlorofluoromethane	0.0067	U	0.0020	0.0067	0.0084	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
75-35-4	1,1-Dichloroethene	0.0042	U	0.0017	0.0042	0.0084	mg/Kg
107-13-1	Acrylonitrile	0.021	U	0.0084	0.021	0.042	mg/Kg
67-64-1	Acetone	0.034	U	0.0080	0.034	0.042	mg/Kg
75-15-0	Carbon Disulfide	0.0067	U	0.0018	0.0067	0.0084	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
75-09-2	Methylene Chloride	0.014	U	0.0059	0.014	0.017	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
75-34-3	1,1-Dichloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
78-93-3	2-Butanone	0.034	U	0.011	0.034	0.042	mg/Kg
56-23-5	Carbon Tetrachloride	0.0042	U	0.0016	0.0042	0.0084	mg/Kg
594-20-7	2,2-Dichloropropane	0.0067	U	0.0022	0.0067	0.0084	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
67-66-3	Chloroform	0.0067	U	0.0014	0.0067	0.0084	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0042	U	0.0016	0.0042	0.0084	mg/Kg
563-58-6	1,1-Dichloropropene	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
71-43-2	Benzene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
107-06-2	1,2-Dichloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
79-01-6	Trichloroethene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
78-87-5	1,2-Dichloropropane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
74-95-3	Dibromomethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
75-27-4	Bromodichloromethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.021	U	0.0060	0.021	0.042	mg/Kg

Raw Data: **VW031979.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031979.D	1	08/01/25 12:40	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
142-28-9	1,3-Dichloropropane	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
591-78-6	2-Hexanone	0.021	U	0.0062	0.021	0.042	mg/Kg
124-48-1	Dibromochloromethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
106-93-4	1,2-Dibromoethane	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
127-18-4	Tetrachloroethene	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
108-90-7	Chlorobenzene	0.0042	U	0.0015	0.0042	0.0084	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
100-41-4	Ethyl Benzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
1330-20-7	Total Xylenes	0.013	U	0.0035	0.013	0.025	mg/Kg
179601-23-1	m/p-Xylenes	0.0084	U	0.0021	0.0084	0.017	mg/Kg
95-47-6	o-Xylene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
100-42-5	Styrene	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
75-25-2	Bromoform	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
98-82-8	Isopropylbenzene	0.0042	U	0.0013	0.0042	0.0084	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0042	U	0.0020	0.0042	0.0084	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0067	U	0.0021	0.0067	0.0084	mg/Kg
108-86-1	Bromobenzene	0.0042	U	0.0020	0.0042	0.0084	mg/Kg
103-65-1	n-propylbenzene	0.0042	U	0.0012	0.0042	0.0084	mg/Kg
95-49-8	2-Chlorotoluene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0042	U	0.0014	0.0042	0.0084	mg/Kg
106-43-4	4-Chlorotoluene	0.0042	U	0.0021	0.0042	0.0084	mg/Kg
98-06-6	tert-Butylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
135-98-8	sec-Butylbenzene	0.0042	U	0.0011	0.0042	0.0084	mg/Kg
99-87-6	p-Isopropyltoluene	0.0042	U	0.0010	0.0042	0.0084	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0042	U	0.0029	0.0042	0.0084	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0042	U	0.0026	0.0042	0.0084	mg/Kg

Raw Data: **VW031979.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031979.D	1	08/01/25 12:40	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0042	U	0.0024	0.0042	0.0084	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0042	U	0.0024	0.0042	0.0084	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0067	U	0.0031	0.0067	0.0084	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0067	U	0.0050	0.0067	0.0084	mg/Kg
87-68-3	Hexachlorobutadiene	0.0042	U	0.0032	0.0042	0.0084	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0067	U	0.0053	0.0067	0.0084	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0042	U	0.0018	0.0042	0.0084	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.8		71 - 136		96%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	43.6		85 - 116		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.4	*	79 - 119		69%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	7.959				
540-36-3	1,4-Difluorobenzene	373000	8.849				
3114-55-4	Chlorobenzene-d5	302000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.55				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031979.D
Acq On : 01 Aug 2025 12:40
Operator : SY/MD
Sample : Q2747-03
Misc : 3.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 01 23:11:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	177359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	372534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	108718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128257	47.804	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.600%		
35) Dibromofluoromethane	7.904	113	120022	47.413	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.820%		
50) Toluene-d8	10.325	98	417902	43.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	87.240%		
62) 4-Bromofluorobenzene	12.617	95	126498	34.386	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	68.780%		

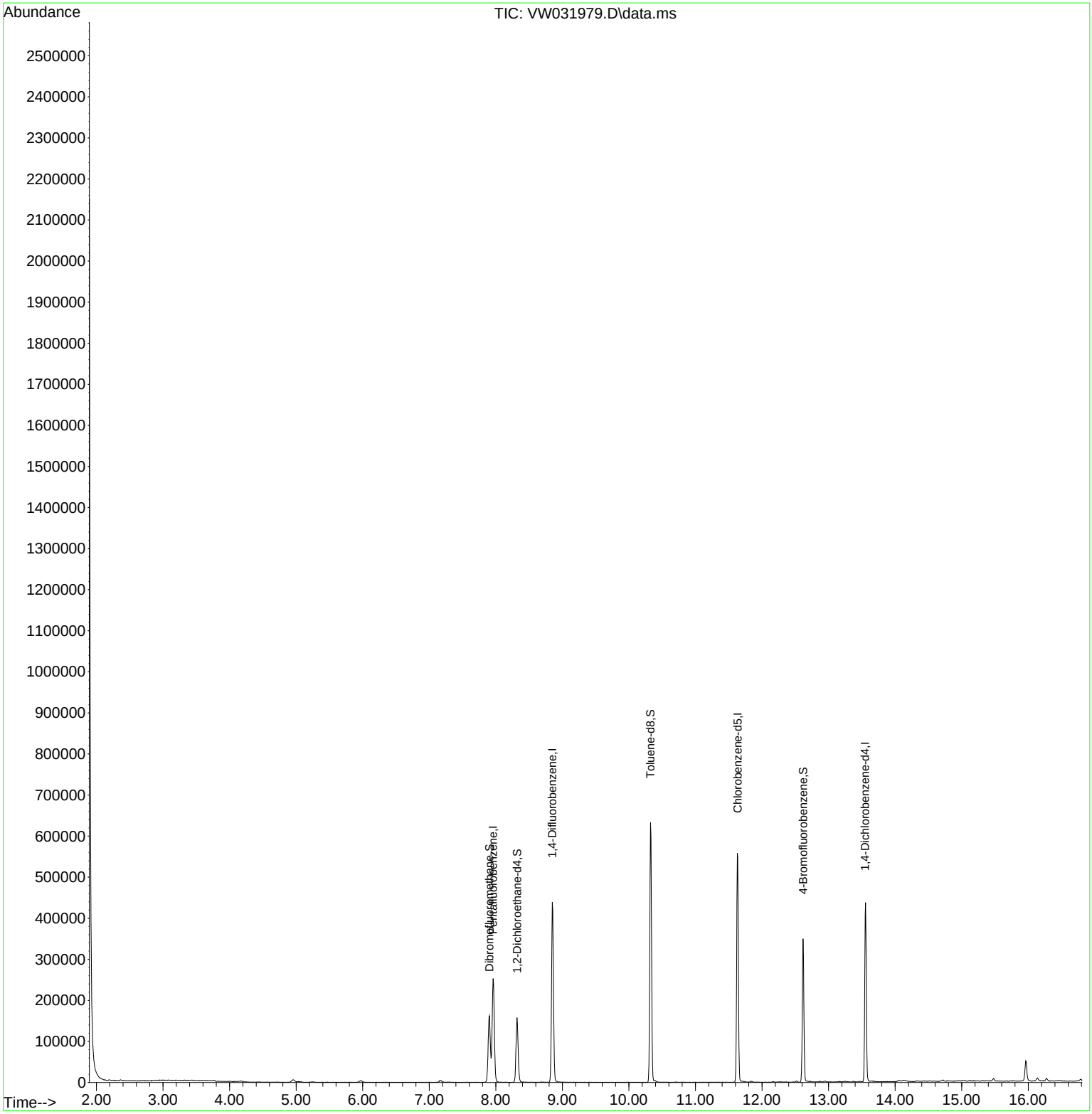
Target Compounds Qvalue

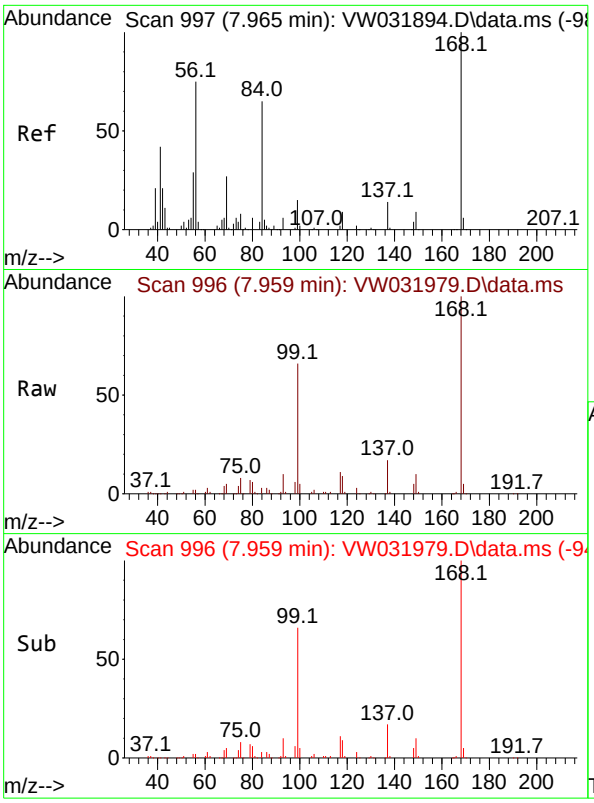
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031979.D
Acq On : 01 Aug 2025 12:40
Operator : SY/MD
Sample : Q2747-03
Misc : 3.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 01 23:11:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



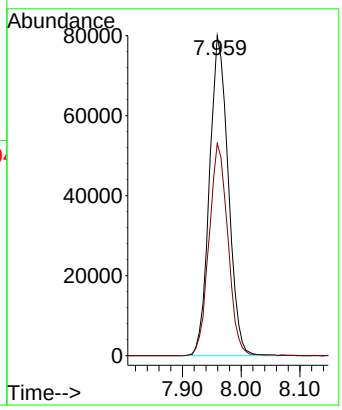


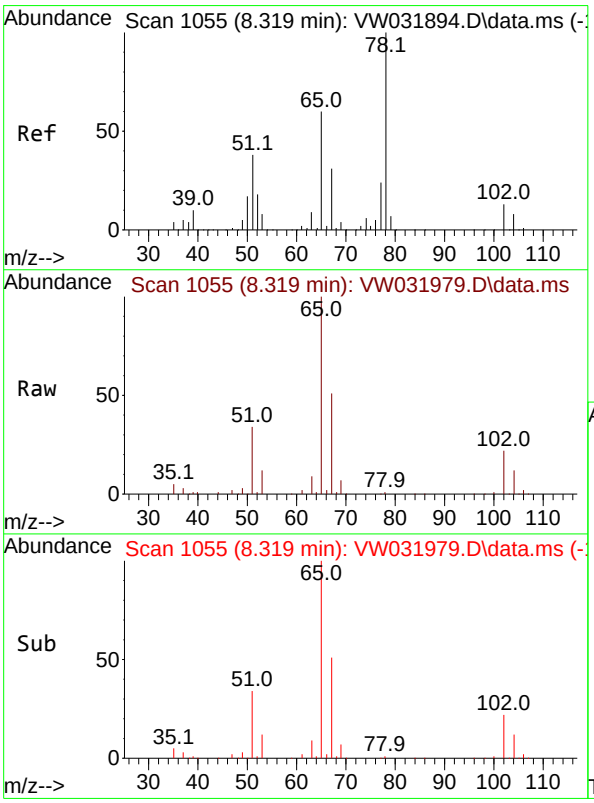
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:168 Resp: 177359

Ion	Ratio	Lower	Upper
168	100		
99	66.3	48.2	72.2

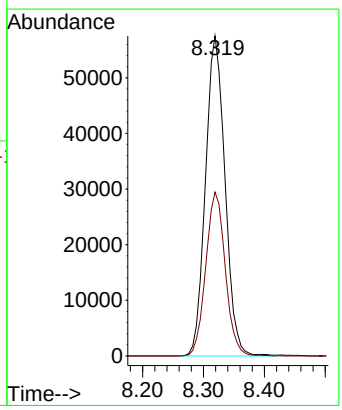


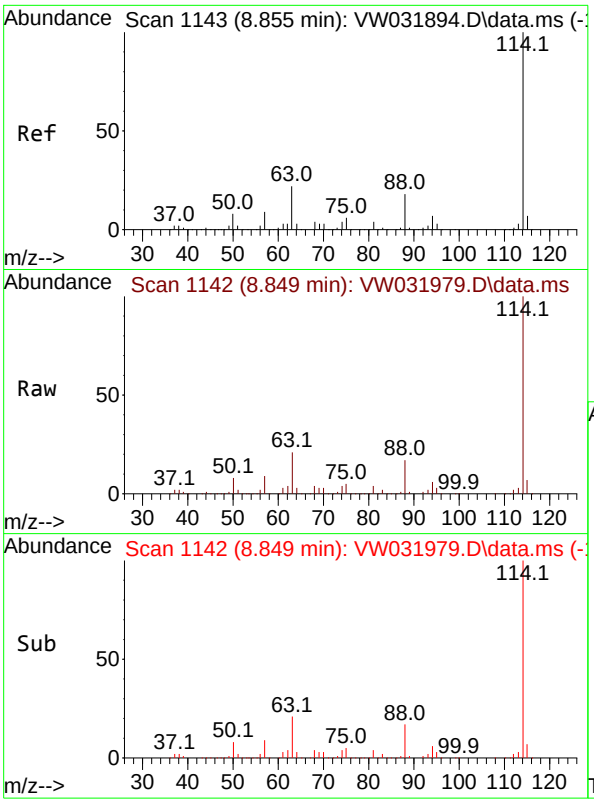


#33
1,2-Dichloroethane-d4
Concen: 47.804 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion: 65 Resp: 128257

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.4



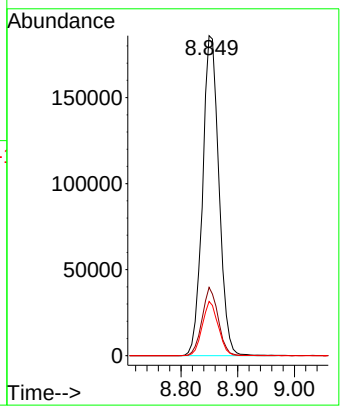


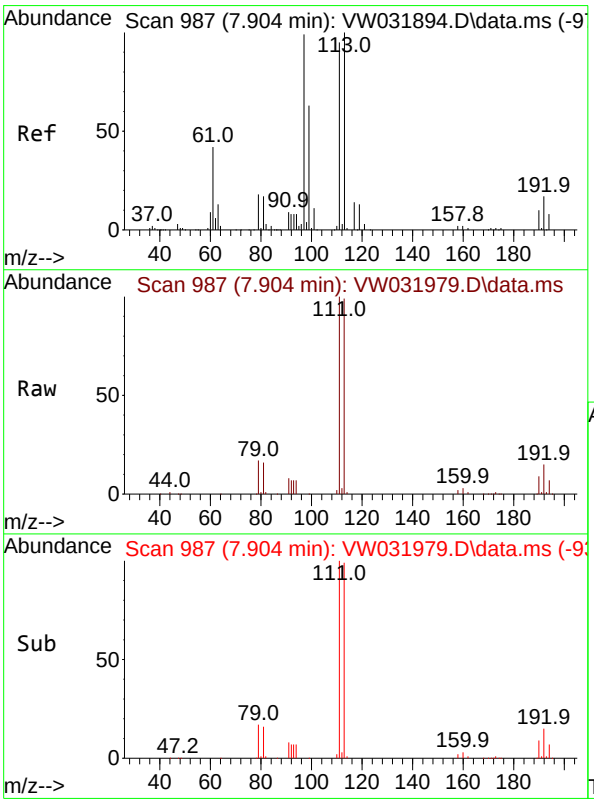
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:114 Resp: 372534

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.2
88	17.0	0.0	35.6

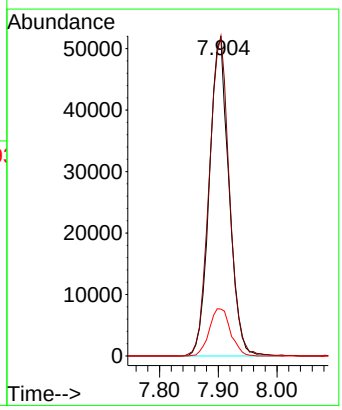


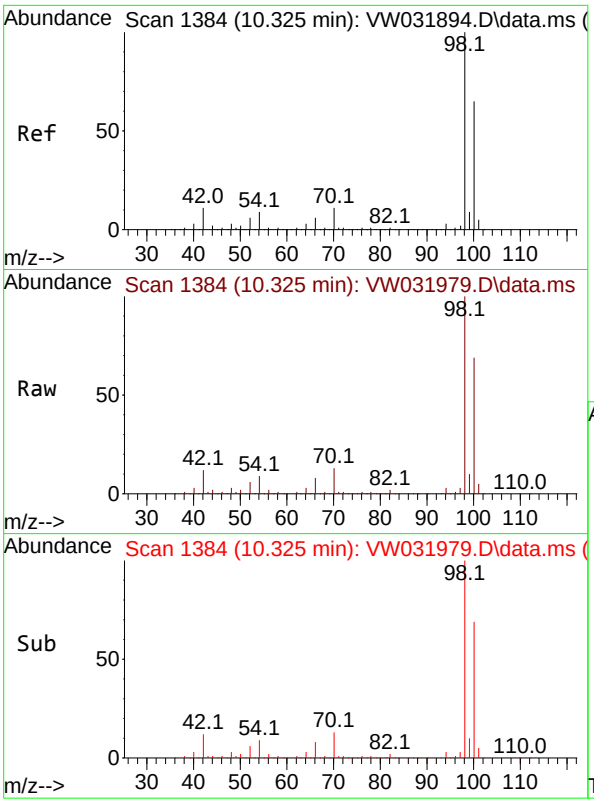


#35
Dibromofluoromethane
Concen: 47.413 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion:113 Resp: 120022

Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.9	119.9
192	16.0	12.6	19.0



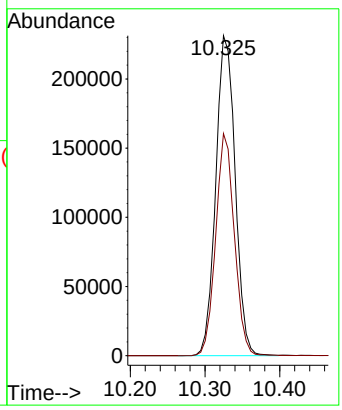


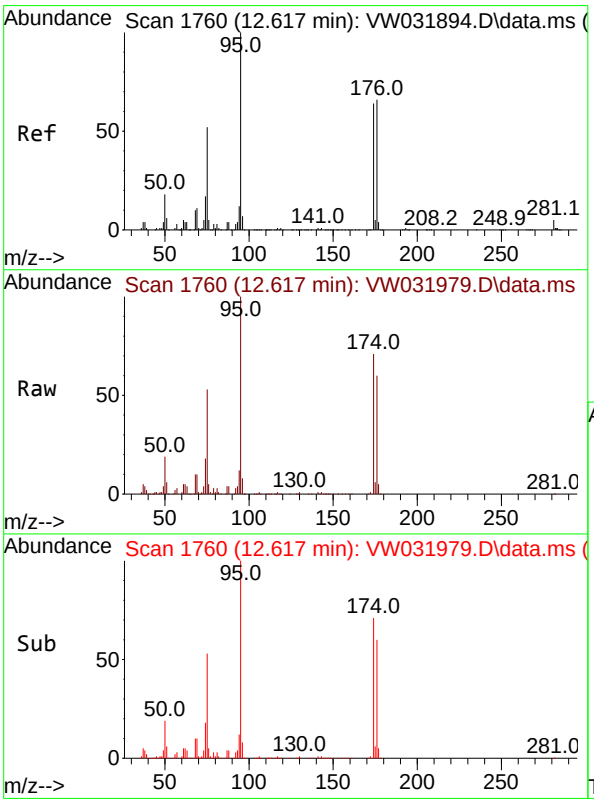
#50
Toluene-d8
Concen: 43.620 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion: 98 Resp: 417902

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.7	77.5

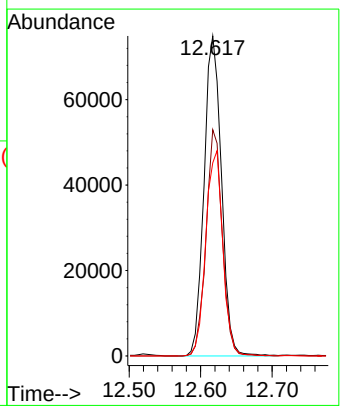


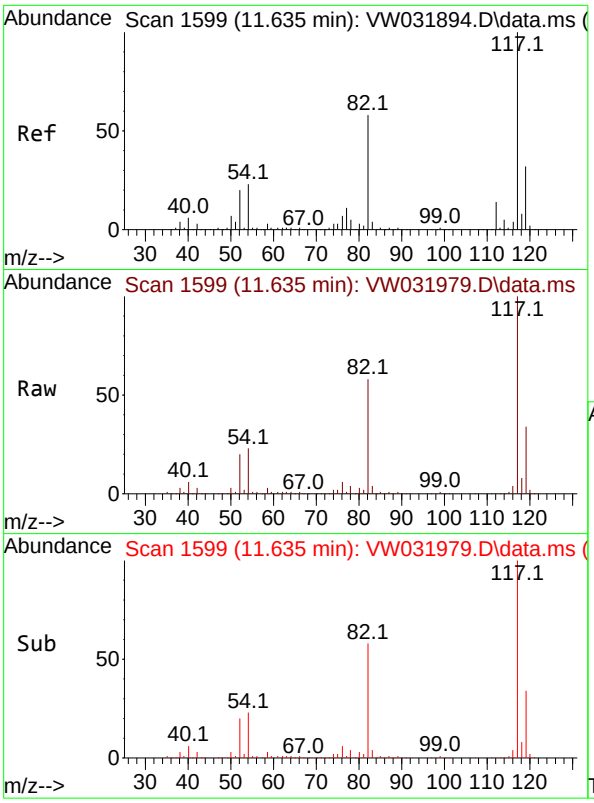


#62
4-Bromofluorobenzene
Concen: 34.386 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion: 95 Resp: 126498

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	129.8
176	63.1	0.0	130.4



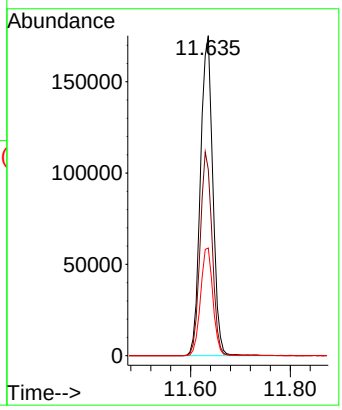


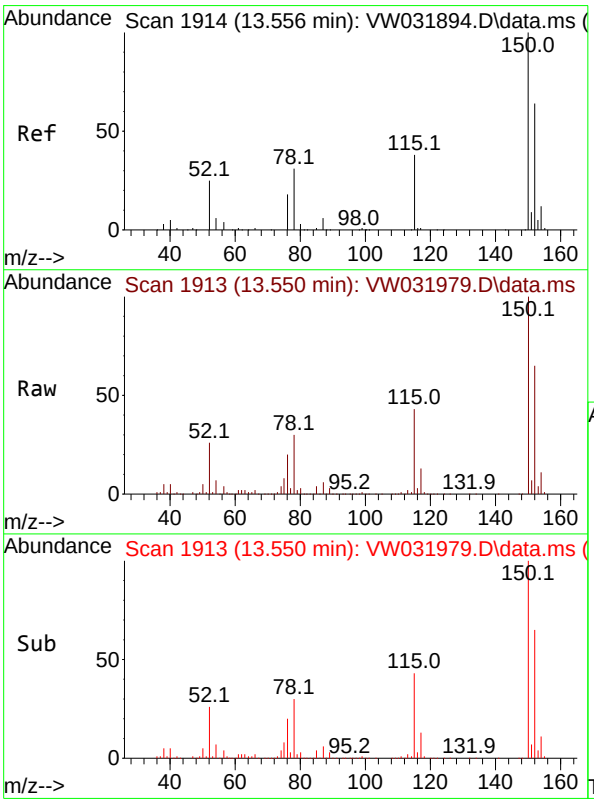
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:117 Resp: 301695

Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.5	69.7
119	33.6	25.8	38.6

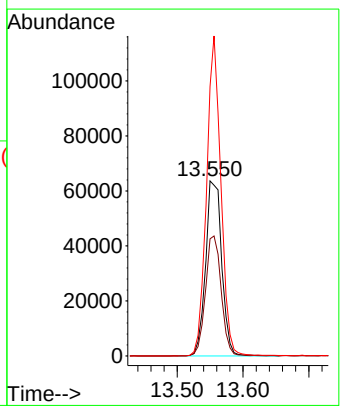




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW031979.D
Acq: 01 Aug 2025 12:40

Tgt Ion:152 Resp: 108718

Ion	Ratio	Lower	Upper
152	100		
115	67.0	33.4	100.1
150	162.6	0.0	352.2



Raw Data: **VW031992.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-03RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031992.D	1	08/04/25 11:44	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0070	U	0.0020	0.0070	0.0088	mg/Kg
74-87-3	Chloromethane	0.0044	U	0.0020	0.0044	0.0088	mg/Kg
75-01-4	Vinyl Chloride	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
74-83-9	Bromomethane	0.0070	U	0.0019	0.0070	0.0088	mg/Kg
75-00-3	Chloroethane	0.0044	U	0.0022	0.0044	0.0088	mg/Kg
109-99-9	Tetrahydrofuran	0.022	U	0.0082	0.022	0.044	mg/Kg
75-69-4	Trichlorofluoromethane	0.0070	U	0.0021	0.0070	0.0088	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0044	U	0.0019	0.0044	0.0088	mg/Kg
75-35-4	1,1-Dichloroethene	0.0044	U	0.0018	0.0044	0.0088	mg/Kg
107-13-1	Acrylonitrile	0.022	U	0.0087	0.022	0.044	mg/Kg
67-64-1	Acetone	0.035	U	0.0083	0.035	0.044	mg/Kg
75-15-0	Carbon Disulfide	0.0070	U	0.0019	0.0070	0.0088	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
75-09-2	Methylene Chloride	0.014	U	0.0062	0.014	0.018	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
75-34-3	1,1-Dichloroethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
78-93-3	2-Butanone	0.035	U	0.012	0.035	0.044	mg/Kg
56-23-5	Carbon Tetrachloride	0.0044	U	0.0017	0.0044	0.0088	mg/Kg
594-20-7	2,2-Dichloropropane	0.0070	U	0.0022	0.0070	0.0088	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
67-66-3	Chloroform	0.0070	U	0.0015	0.0070	0.0088	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
563-58-6	1,1-Dichloropropene	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
71-43-2	Benzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
107-06-2	1,2-Dichloroethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
79-01-6	Trichloroethene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
78-87-5	1,2-Dichloropropane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
74-95-3	Dibromomethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
75-27-4	Bromodichloromethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.022	U	0.0063	0.022	0.044	mg/Kg

Raw Data: **VW031992.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-03RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031992.D	1	08/04/25 11:44	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
142-28-9	1,3-Dichloropropane	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
591-78-6	2-Hexanone	0.022	U	0.0065	0.022	0.044	mg/Kg
124-48-1	Dibromochloromethane	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
106-93-4	1,2-Dibromoethane	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
127-18-4	Tetrachloroethene	0.0044	U	0.0018	0.0044	0.0088	mg/Kg
108-90-7	Chlorobenzene	0.0044	U	0.0016	0.0044	0.0088	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
100-41-4	Ethyl Benzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
1330-20-7	Total Xylenes	0.013	U	0.0036	0.013	0.026	mg/Kg
179601-23-1	m/p-Xylenes	0.0088	U	0.0022	0.0088	0.018	mg/Kg
95-47-6	o-Xylene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
100-42-5	Styrene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
75-25-2	Bromoform	0.0044	U	0.0015	0.0044	0.0088	mg/Kg
98-82-8	Isopropylbenzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0070	U	0.0022	0.0070	0.0088	mg/Kg
108-86-1	Bromobenzene	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
103-65-1	n-propylbenzene	0.0044	U	0.0013	0.0044	0.0088	mg/Kg
95-49-8	2-Chlorotoluene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0044	U	0.0014	0.0044	0.0088	mg/Kg
106-43-4	4-Chlorotoluene	0.0044	U	0.0021	0.0044	0.0088	mg/Kg
98-06-6	tert-Butylbenzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
135-98-8	sec-Butylbenzene	0.0044	U	0.0012	0.0044	0.0088	mg/Kg
99-87-6	p-Isopropyltoluene	0.0044	U	0.0011	0.0044	0.0088	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0044	U	0.0030	0.0044	0.0088	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0044	U	0.0027	0.0044	0.0088	mg/Kg

Raw Data: **VW031992.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-03RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.6
Sample Wt/Vol:	3.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031992.D	1	08/04/25 11:44	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0044	U	0.0025	0.0044	0.0088	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0044	U	0.0025	0.0044	0.0088	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0070	U	0.0032	0.0070	0.0088	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0070	U	0.0052	0.0070	0.0088	mg/Kg
87-68-3	Hexachlorobutadiene	0.0044	U	0.0033	0.0044	0.0088	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0070	U	0.0056	0.0070	0.0088	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0044	U	0.0019	0.0044	0.0088	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.0		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.1		85 - 116		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.7	*	79 - 119		65%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	7.959				
540-36-3	1,4-Difluorobenzene	380000	8.855				
3114-55-4	Chlorobenzene-d5	309000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.556				

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

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

Sample Results: **VW031992.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031992.D
Acq On : 04 Aug 2025 11:44
Operator : SY/MD
Sample : Q2747-03RE
Misc : 3.67g/5mL/MSVOA_W/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Quant Time: Aug 05 01:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	177665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	379769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	308519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	101860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131706	49.005	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.000%		
35) Dibromofluoromethane	7.898	113	125306	48.557	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.120%		
50) Toluene-d8	10.325	98	450238	46.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.200%		
62) 4-Bromofluorobenzene	12.617	95	122757	32.733	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	65.460%		

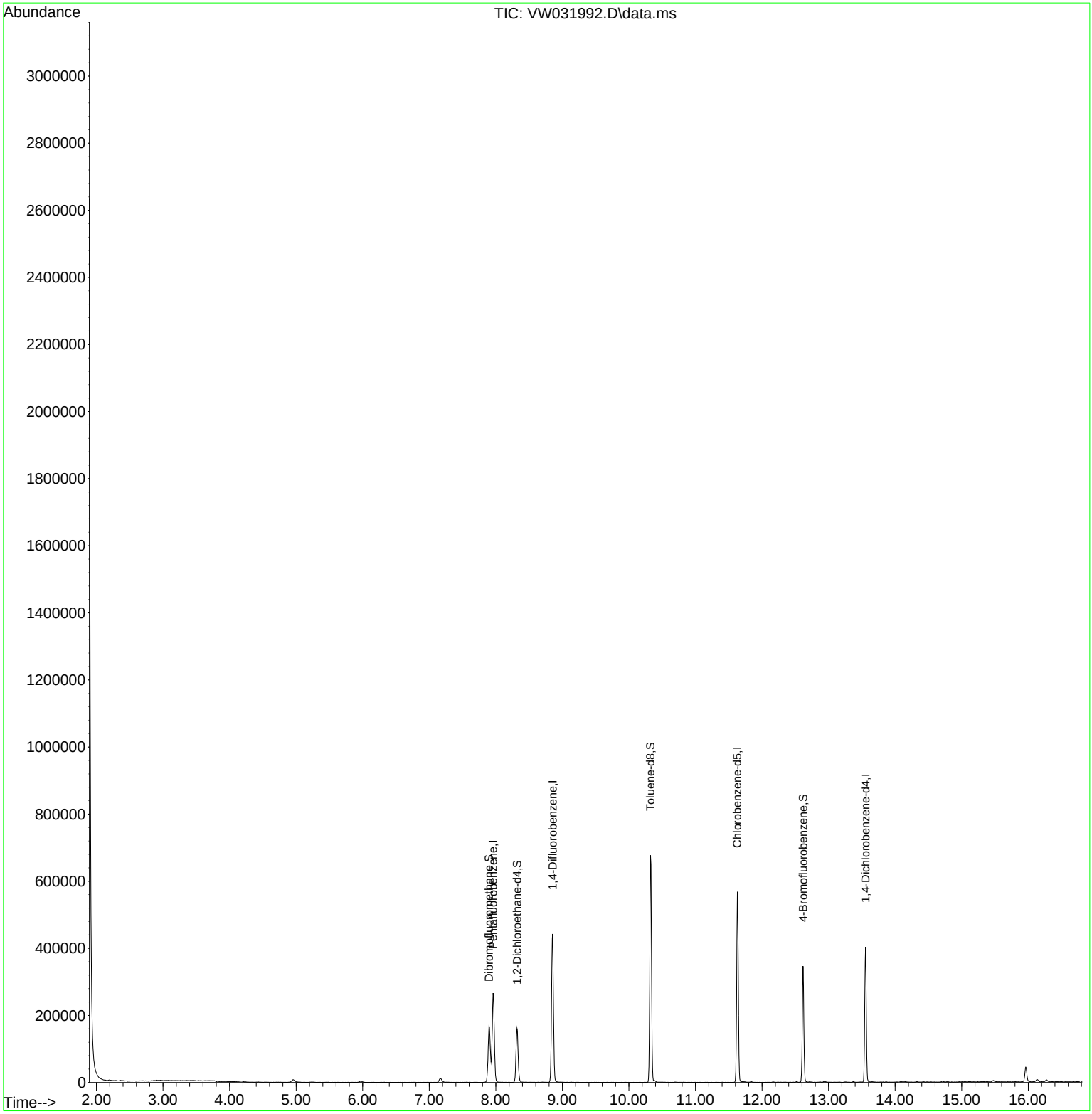
Target Compounds Qvalue

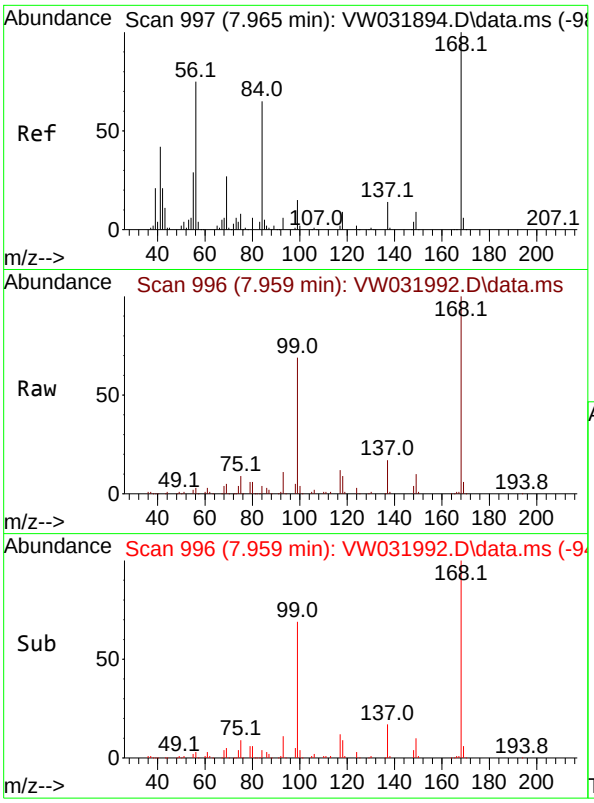
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031992.D
Acq On : 04 Aug 2025 11:44
Operator : SY/MD
Sample : Q2747-03RE
Misc : 3.67g/5mL/MSVOA_W/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Quant Time: Aug 05 01:16:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



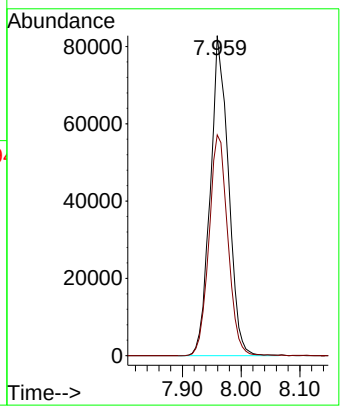


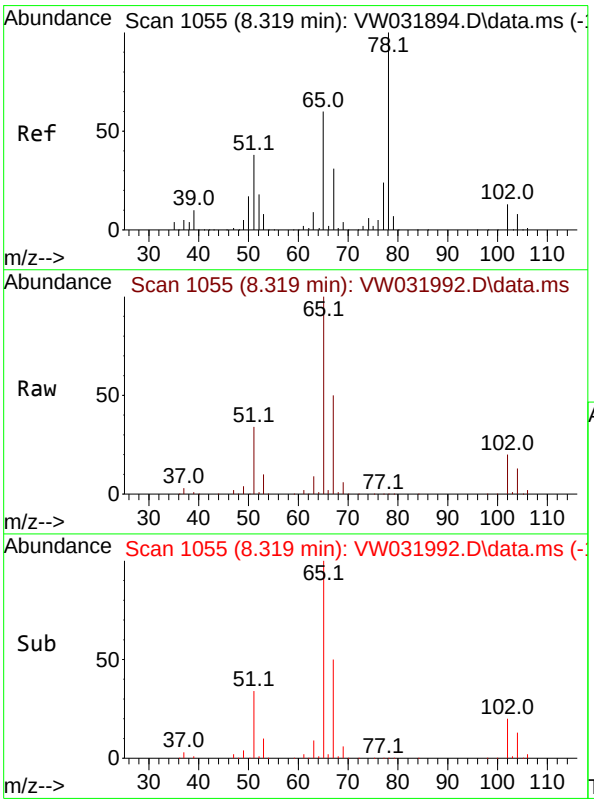
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Tgt Ion:168 Resp: 177665

Ion	Ratio	Lower	Upper
168	100		
99	69.0	48.2	72.2

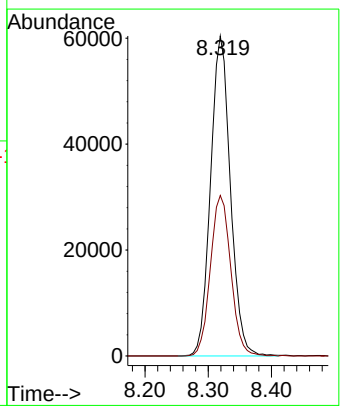


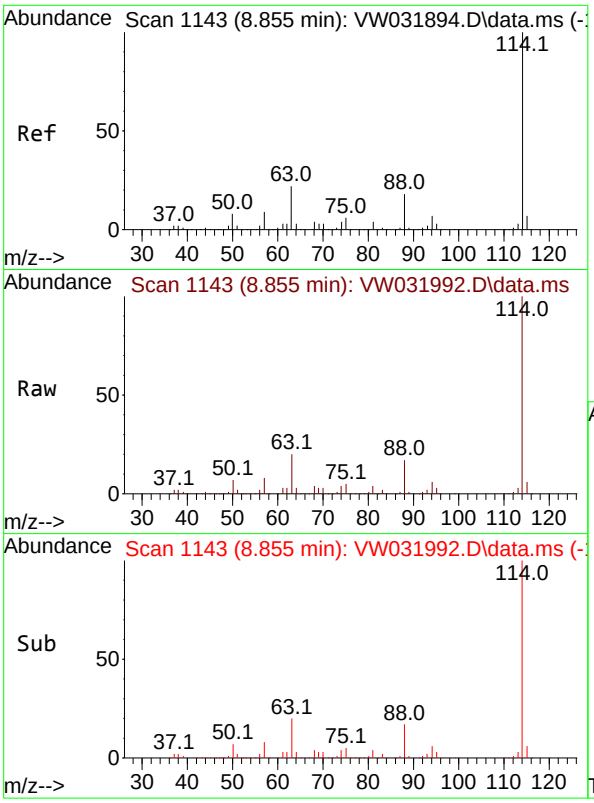


#33
1,2-Dichloroethane-d4
Concen: 49.005 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 65 Resp: 131706

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.4



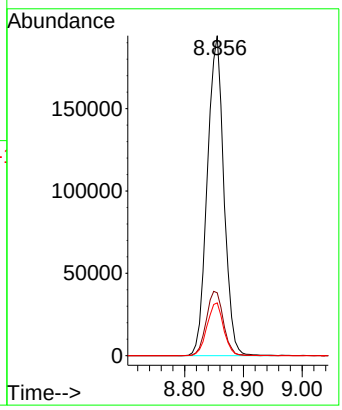


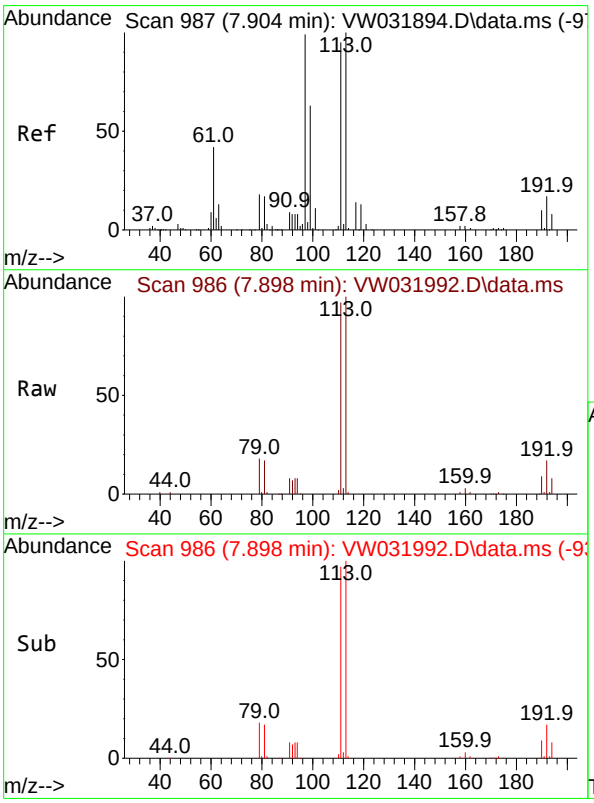
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Tgt Ion:114 Resp: 379769

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	44.2
88	16.5	0.0	35.6

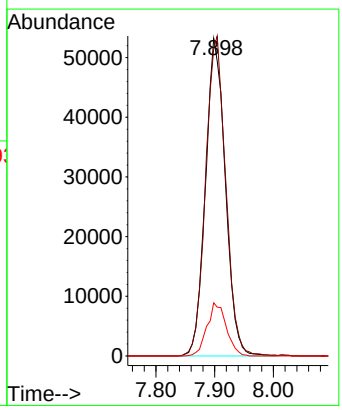


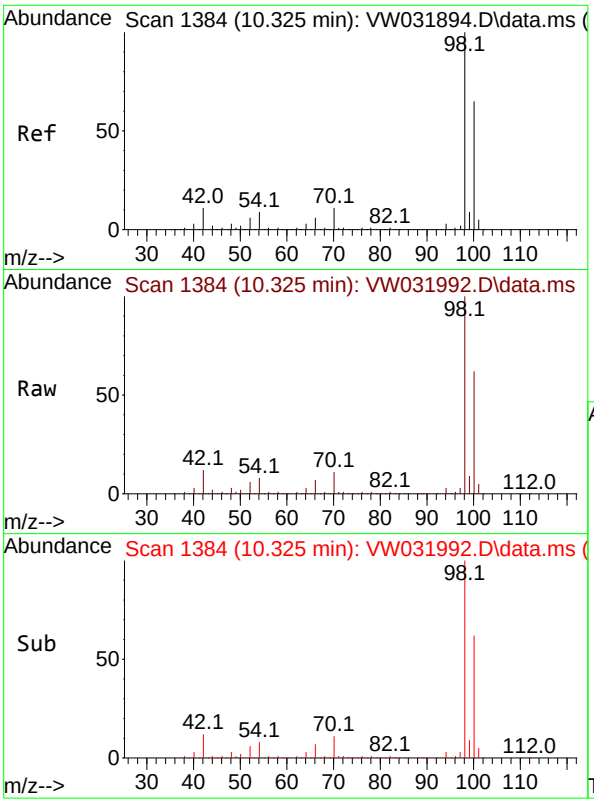


#35
Dibromofluoromethane
Concen: 48.557 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion:113 Resp: 125306

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.9	119.9
192	16.2	12.6	19.0



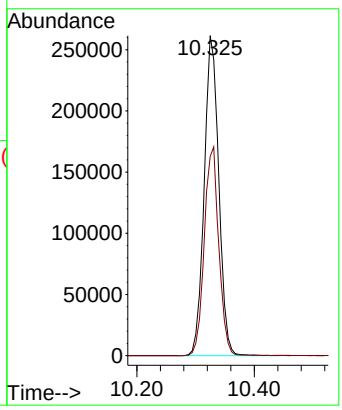


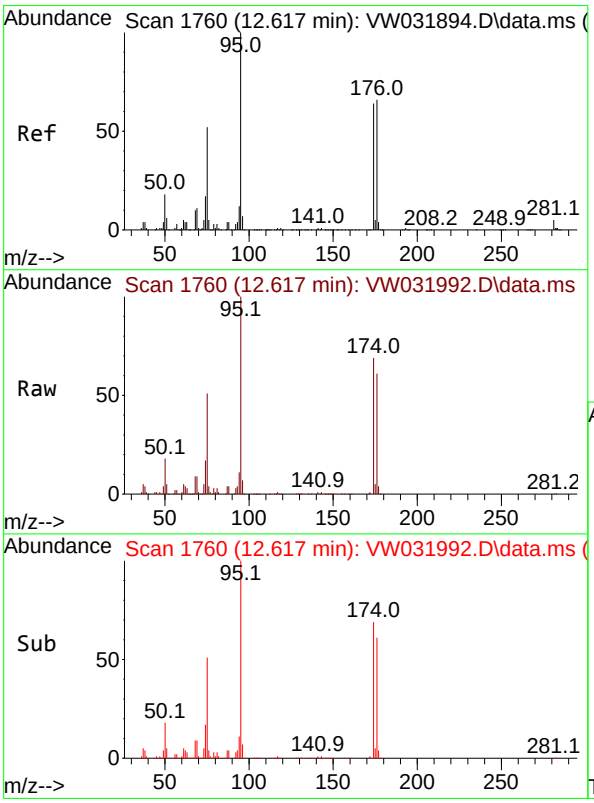
#50
Toluene-d8
Concen: 46.099 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Tgt Ion: 98 Resp: 450238

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5

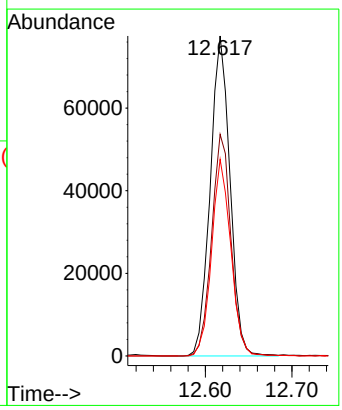


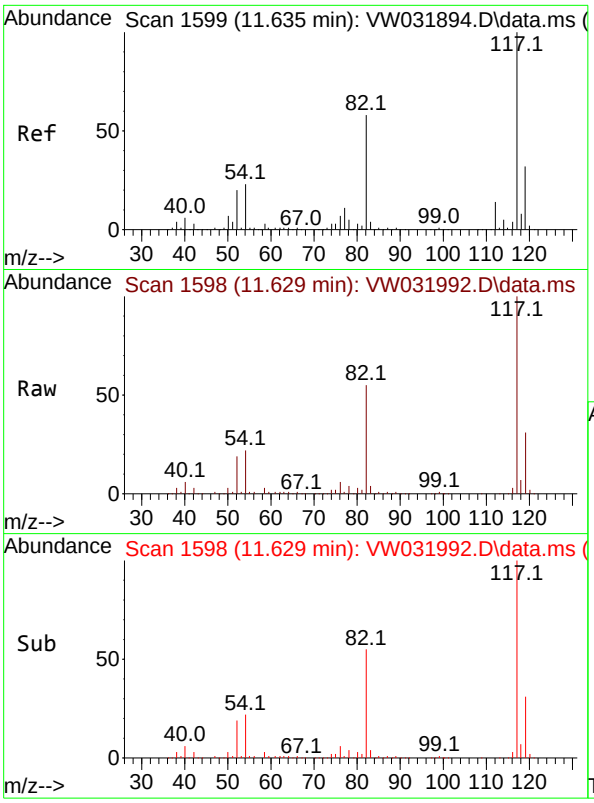


#62
4-Bromofluorobenzene
Concen: 32.733 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion: 95 Resp: 122757

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	129.8
176	60.0	0.0	130.4



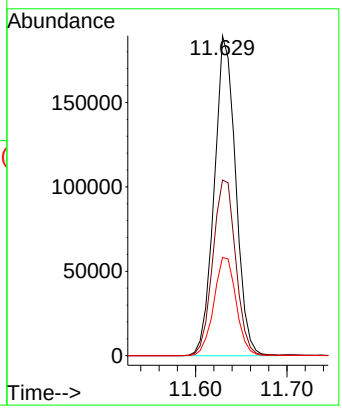


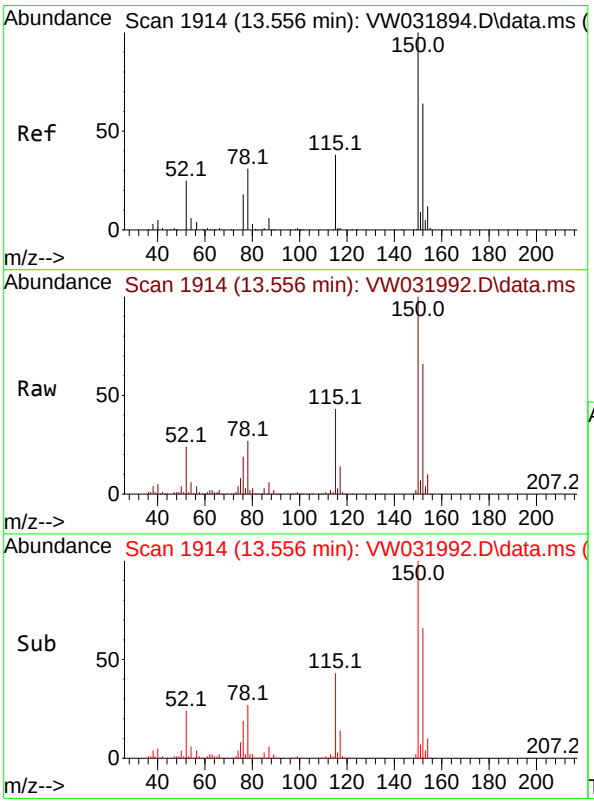
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG3-073125RE

Tgt Ion:117 Resp: 308519

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.5	69.7
119	30.7	25.8	38.6

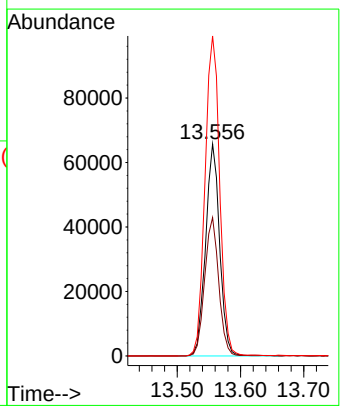




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031992.D
Acq: 04 Aug 2025 11:44

Tgt Ion:152 Resp: 101860

Ion	Ratio	Lower	Upper
152	100		
115	65.3	33.4	100.1
150	157.2	0.0	352.2



Raw Data: **VW031980.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	4.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031980.D	1	08/01/25 13:02	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0060	U	0.0017	0.0060	0.0076	mg/Kg
74-87-3	Chloromethane	0.0038	U	0.0017	0.0038	0.0076	mg/Kg
75-01-4	Vinyl Chloride	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
74-83-9	Bromomethane	0.0060	U	0.0016	0.0060	0.0076	mg/Kg
75-00-3	Chloroethane	0.0038	U	0.0019	0.0038	0.0076	mg/Kg
109-99-9	Tetrahydrofuran	0.019	U	0.0071	0.019	0.038	mg/Kg
75-69-4	Trichlorofluoromethane	0.0060	U	0.0018	0.0060	0.0076	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
75-35-4	1,1-Dichloroethene	0.0038	U	0.0015	0.0038	0.0076	mg/Kg
107-13-1	Acrylonitrile	0.019	U	0.0075	0.019	0.038	mg/Kg
67-64-1	Acetone	0.030	U	0.0072	0.030	0.038	mg/Kg
75-15-0	Carbon Disulfide	0.0060	U	0.0016	0.0060	0.0076	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
75-09-2	Methylene Chloride	0.012	U	0.0053	0.012	0.015	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
75-34-3	1,1-Dichloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
78-93-3	2-Butanone	0.030	U	0.0099	0.030	0.038	mg/Kg
56-23-5	Carbon Tetrachloride	0.0038	U	0.0015	0.0038	0.0076	mg/Kg
594-20-7	2,2-Dichloropropane	0.0060	U	0.0019	0.0060	0.0076	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
67-66-3	Chloroform	0.0060	U	0.0013	0.0060	0.0076	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
563-58-6	1,1-Dichloropropene	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
71-43-2	Benzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
107-06-2	1,2-Dichloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
79-01-6	Trichloroethene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
78-87-5	1,2-Dichloropropane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
74-95-3	Dibromomethane	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
75-27-4	Bromodichloromethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.019	U	0.0054	0.019	0.038	mg/Kg

Raw Data: **VW031980.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	4.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031980.D	1	08/01/25 13:02	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0038	U	0.00098	0.0038	0.0076	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0038	U	0.00094	0.0038	0.0076	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
142-28-9	1,3-Dichloropropane	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
591-78-6	2-Hexanone	0.019	U	0.0056	0.019	0.038	mg/Kg
124-48-1	Dibromochloromethane	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
106-93-4	1,2-Dibromoethane	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
127-18-4	Tetrachloroethene	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
108-90-7	Chlorobenzene	0.0038	U	0.0014	0.0038	0.0076	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
100-41-4	Ethyl Benzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
1330-20-7	Total Xylenes	0.011	U	0.0031	0.011	0.023	mg/Kg
179601-23-1	m/p-Xylenes	0.0076	U	0.0019	0.0076	0.015	mg/Kg
95-47-6	o-Xylene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
100-42-5	Styrene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
75-25-2	Bromoform	0.0038	U	0.0013	0.0038	0.0076	mg/Kg
98-82-8	Isopropylbenzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0038	U	0.0018	0.0038	0.0076	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0060	U	0.0019	0.0060	0.0076	mg/Kg
108-86-1	Bromobenzene	0.0038	U	0.0018	0.0038	0.0076	mg/Kg
103-65-1	n-propylbenzene	0.0038	U	0.0011	0.0038	0.0076	mg/Kg
95-49-8	2-Chlorotoluene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0038	U	0.0012	0.0038	0.0076	mg/Kg
106-43-4	4-Chlorotoluene	0.0038	U	0.0018	0.0038	0.0076	mg/Kg
98-06-6	tert-Butylbenzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0038	U	0.00097	0.0038	0.0076	mg/Kg
135-98-8	sec-Butylbenzene	0.0038	U	0.0010	0.0038	0.0076	mg/Kg
99-87-6	p-Isopropyltoluene	0.0038	U	0.00094	0.0038	0.0076	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0038	U	0.0026	0.0038	0.0076	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0038	U	0.0024	0.0038	0.0076	mg/Kg

Raw Data: **VW031980.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	4.11 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031980.D	1	08/01/25 13:02	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0038	U	0.0022	0.0038	0.0076	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0038	U	0.0022	0.0038	0.0076	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0060	U	0.0028	0.0060	0.0076	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0060	U	0.0045	0.0060	0.0076	mg/Kg
87-68-3	Hexachlorobutadiene	0.0038	U	0.0029	0.0038	0.0076	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0060	U	0.0048	0.0060	0.0076	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0038	U	0.0016	0.0038	0.0076	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.9		71 - 136		96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.3		78 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	45.5		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.5	*	79 - 119		67%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	7.959				
540-36-3	1,4-Difluorobenzene	371000	8.849				
3114-55-4	Chlorobenzene-d5	310000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.556				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031980.D
Acq On : 01 Aug 2025 13:02
Operator : SY/MD
Sample : Q2747-05
Misc : 4.11g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Quant Time: Aug 01 23:12:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

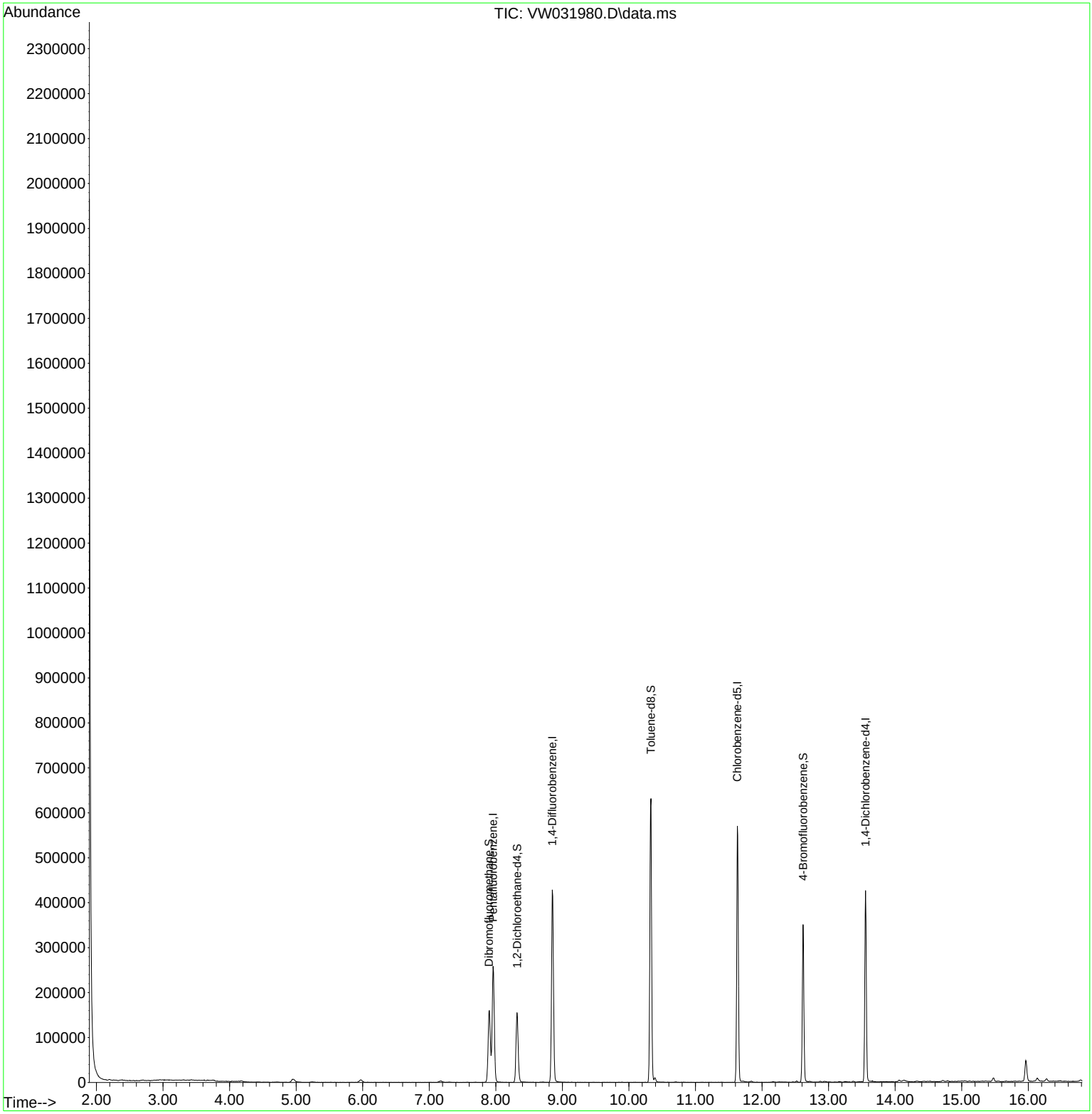
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	176395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	371246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	309612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	107269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127888	47.927	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.860%		
35) Dibromofluoromethane	7.898	113	116760	46.284	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	92.560%		
50) Toluene-d8	10.331	98	434704	45.531	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.060%		
62) 4-Bromofluorobenzene	12.617	95	122959	33.540	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	67.080%		
Target Compounds						Qvalue

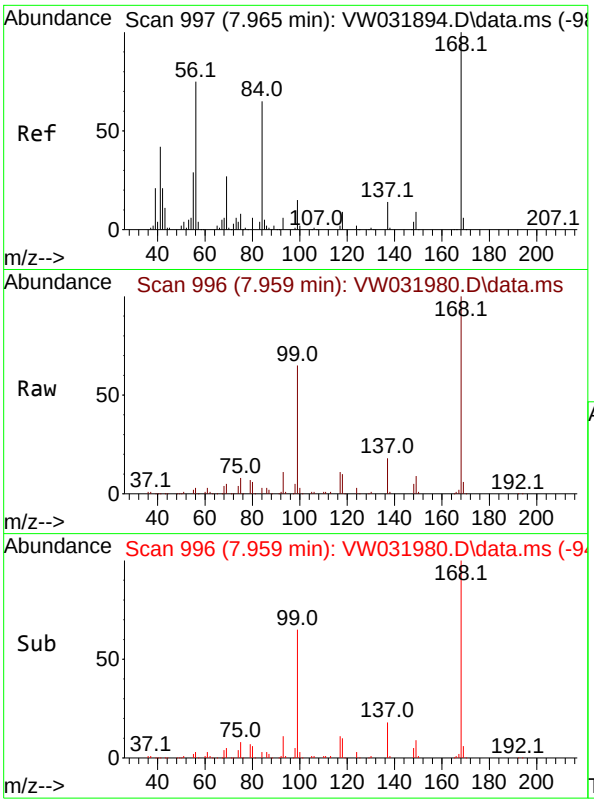
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031980.D
Acq On : 01 Aug 2025 13:02
Operator : SY/MD
Sample : Q2747-05
Misc : 4.11g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Quant Time: Aug 01 23:12:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



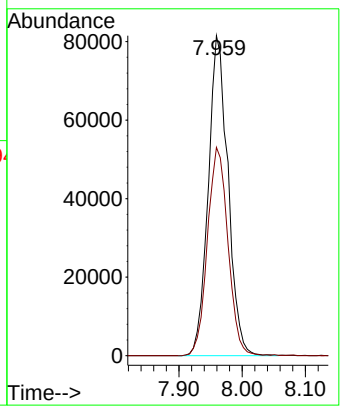


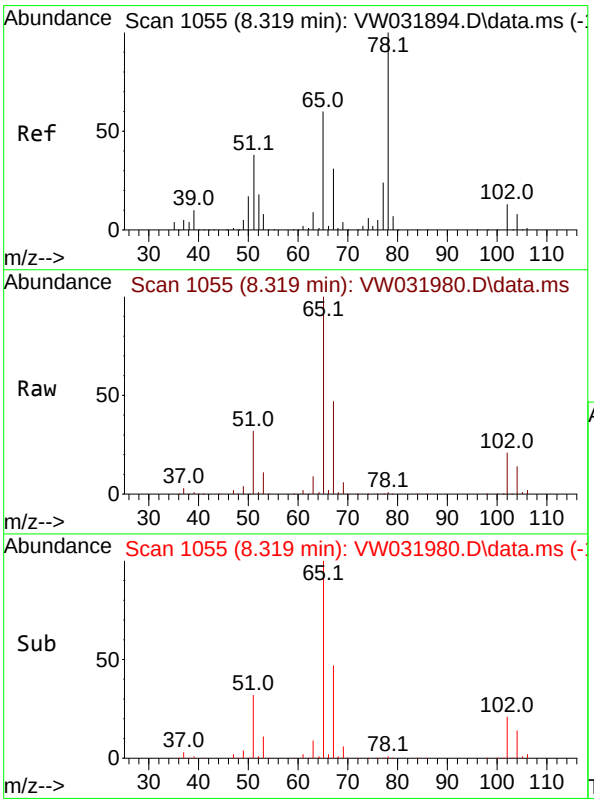
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:168 Resp: 176395

Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.2	72.2

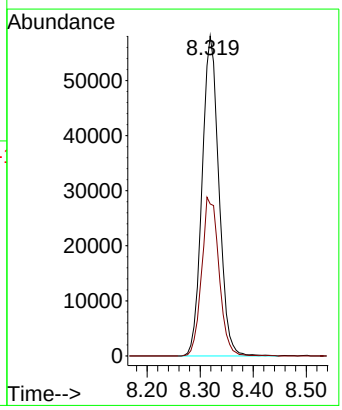


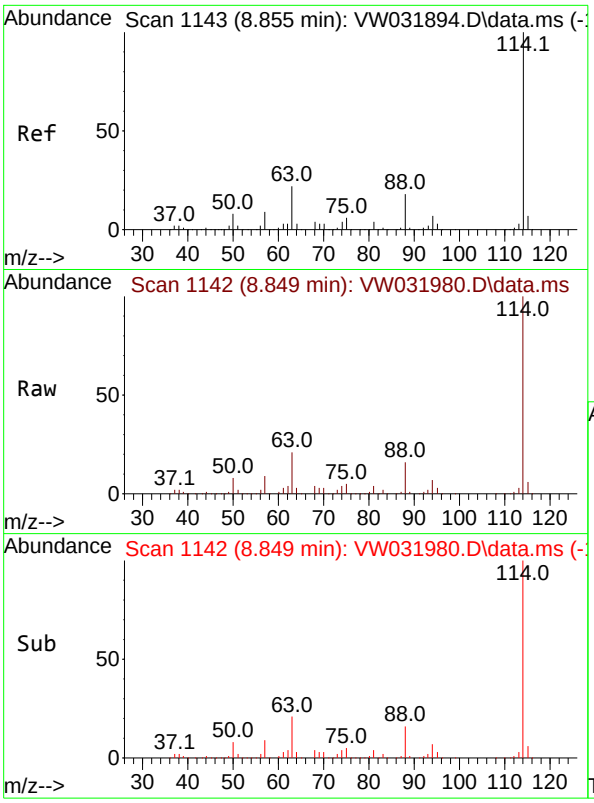


#33
1,2-Dichloroethane-d4
Concen: 47.927 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 65 Resp: 127888

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.4



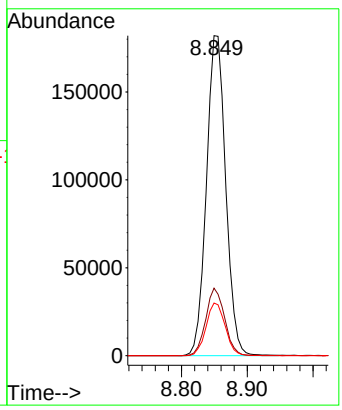


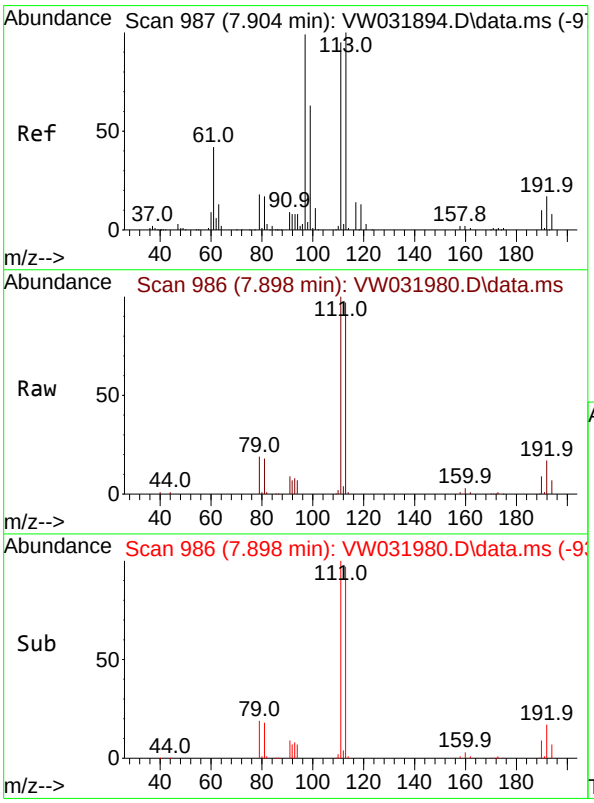
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:114 Resp: 371246

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.2
88	16.5	0.0	35.6

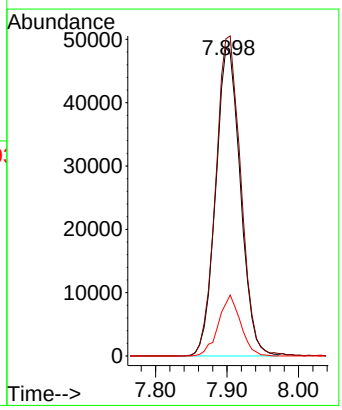


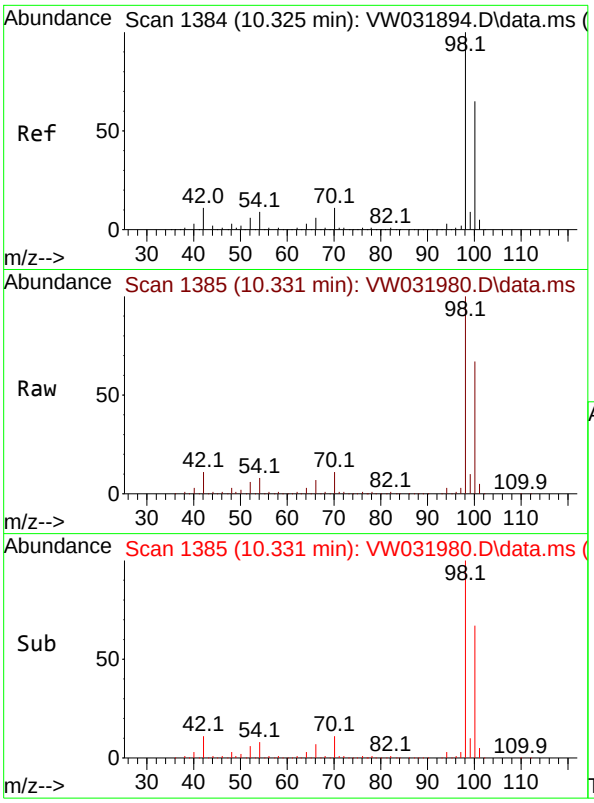


#35
Dibromofluoromethane
Concen: 46.284 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion:113 Resp: 116760

Ion	Ratio	Lower	Upper
113	100		
111	105.5	79.9	119.9
192	17.7	12.6	19.0



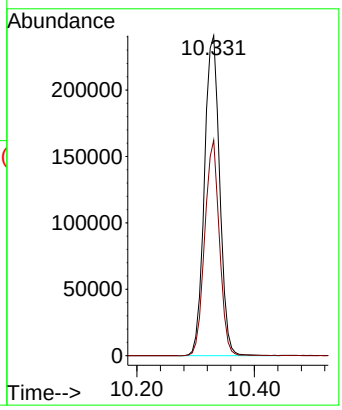


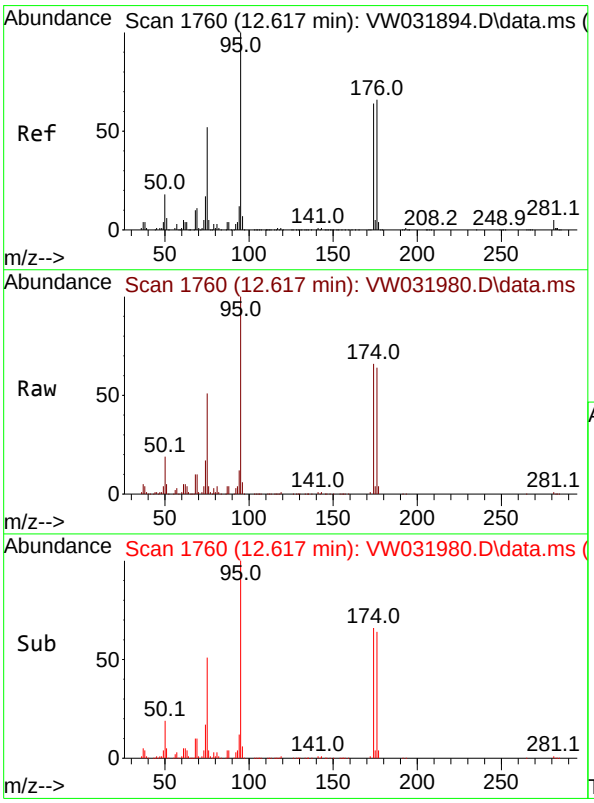
#50
Toluene-d8
Concen: 45.531 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion: 98 Resp: 434704

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5

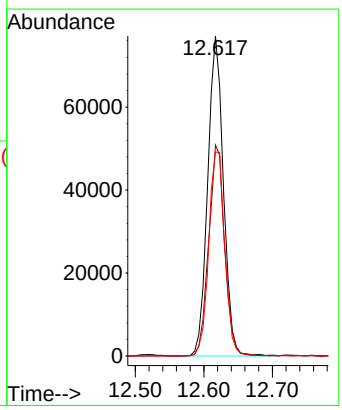


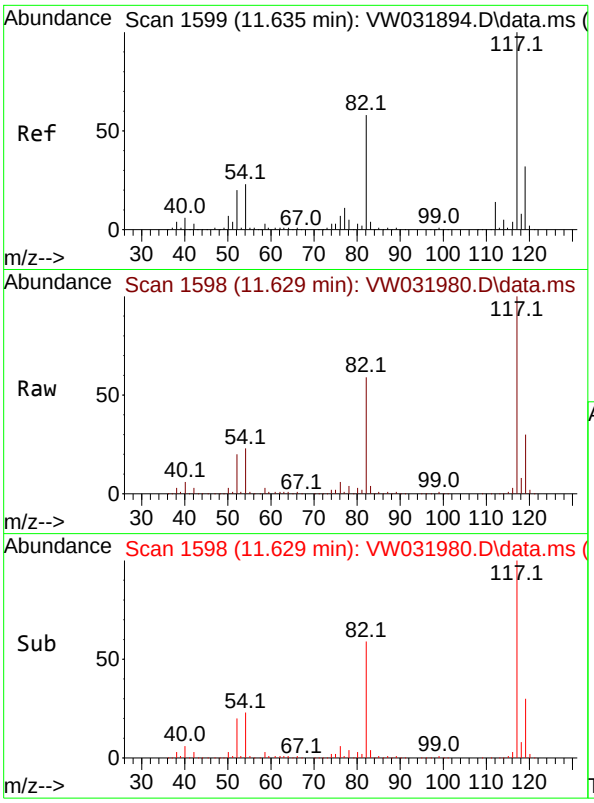


#62
4-Bromofluorobenzene
Concen: 33.540 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 95 Resp: 122959

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	129.8
176	65.3	0.0	130.4



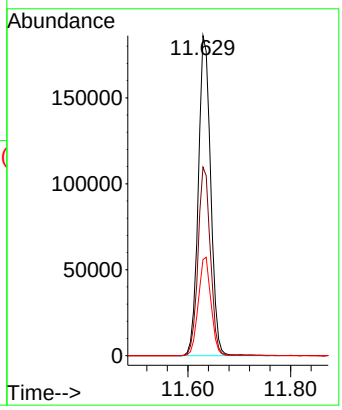


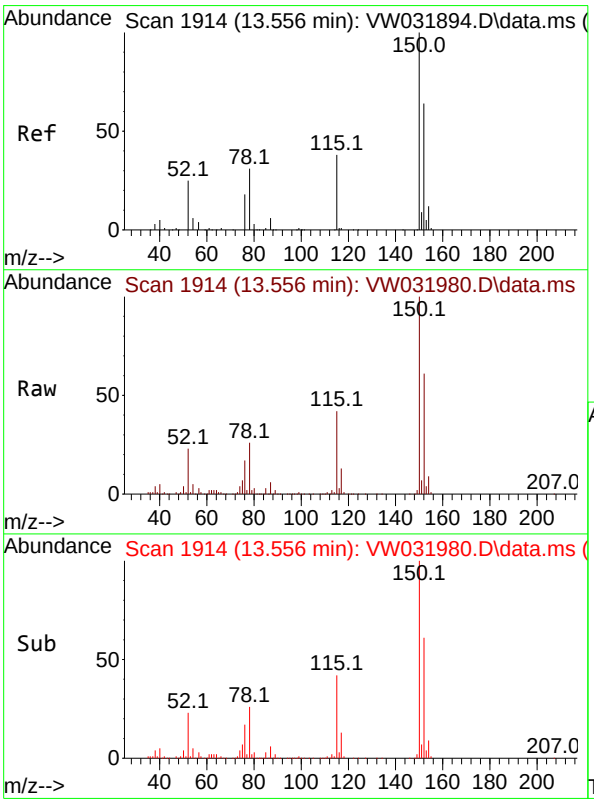
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:117 Resp: 309612

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	30.1	25.8	38.6

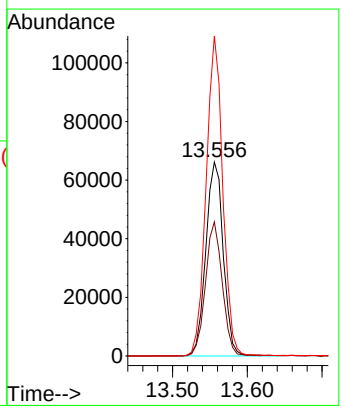




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion:152 Resp: 107269

Ion	Ratio	Lower	Upper
152	100		
115	66.6	33.4	100.1
150	157.3	0.0	352.2



Raw Data: **VW031993.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	3.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031993.D	1	08/04/25 12:06	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0065	U	0.0018	0.0065	0.0081	mg/Kg
74-87-3	Chloromethane	0.0040	U	0.0018	0.0040	0.0081	mg/Kg
75-01-4	Vinyl Chloride	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
74-83-9	Bromomethane	0.0065	U	0.0017	0.0065	0.0081	mg/Kg
75-00-3	Chloroethane	0.0040	U	0.0020	0.0040	0.0081	mg/Kg
109-99-9	Tetrahydrofuran	0.020	U	0.0075	0.020	0.040	mg/Kg
75-69-4	Trichlorofluoromethane	0.0065	U	0.0020	0.0065	0.0081	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0040	U	0.0017	0.0040	0.0081	mg/Kg
75-35-4	1,1-Dichloroethene	0.0040	U	0.0016	0.0040	0.0081	mg/Kg
107-13-1	Acrylonitrile	0.020	U	0.0080	0.020	0.040	mg/Kg
67-64-1	Acetone	0.032	U	0.0076	0.032	0.040	mg/Kg
75-15-0	Carbon Disulfide	0.0065	U	0.0017	0.0065	0.0081	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0040	U	0.0012	0.0040	0.0081	mg/Kg
75-09-2	Methylene Chloride	0.013	U	0.0057	0.013	0.016	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
75-34-3	1,1-Dichloroethane	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
78-93-3	2-Butanone	0.032	U	0.011	0.032	0.040	mg/Kg
56-23-5	Carbon Tetrachloride	0.0040	U	0.0016	0.0040	0.0081	mg/Kg
594-20-7	2,2-Dichloropropane	0.0065	U	0.0021	0.0065	0.0081	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0040	U	0.0012	0.0040	0.0081	mg/Kg
67-66-3	Chloroform	0.0065	U	0.0014	0.0065	0.0081	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0040	U	0.0015	0.0040	0.0081	mg/Kg
563-58-6	1,1-Dichloropropene	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
71-43-2	Benzene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
107-06-2	1,2-Dichloroethane	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
79-01-6	Trichloroethene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
78-87-5	1,2-Dichloropropane	0.0040	U	0.0015	0.0040	0.0081	mg/Kg
74-95-3	Dibromomethane	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
75-27-4	Bromodichloromethane	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.020	U	0.0058	0.020	0.040	mg/Kg

Raw Data: **VW031993.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	3.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031993.D	1	08/04/25 12:06	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0040	U	0.0010	0.0040	0.0081	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0040	U	0.0010	0.0040	0.0081	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0040	U	0.0015	0.0040	0.0081	mg/Kg
142-28-9	1,3-Dichloropropane	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
591-78-6	2-Hexanone	0.020	U	0.0060	0.020	0.040	mg/Kg
124-48-1	Dibromochloromethane	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
106-93-4	1,2-Dibromoethane	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
127-18-4	Tetrachloroethene	0.0040	U	0.0017	0.0040	0.0081	mg/Kg
108-90-7	Chlorobenzene	0.0040	U	0.0015	0.0040	0.0081	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0040	U	0.0012	0.0040	0.0081	mg/Kg
100-41-4	Ethyl Benzene	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
1330-20-7	Total Xylenes	0.012	U	0.0033	0.012	0.024	mg/Kg
179601-23-1	m/p-Xylenes	0.0081	U	0.0020	0.0081	0.016	mg/Kg
95-47-6	o-Xylene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
100-42-5	Styrene	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
75-25-2	Bromoform	0.0040	U	0.0014	0.0040	0.0081	mg/Kg
98-82-8	Isopropylbenzene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0040	U	0.0020	0.0040	0.0081	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0065	U	0.0020	0.0065	0.0081	mg/Kg
108-86-1	Bromobenzene	0.0040	U	0.0019	0.0040	0.0081	mg/Kg
103-65-1	n-propylbenzene	0.0040	U	0.0012	0.0040	0.0081	mg/Kg
95-49-8	2-Chlorotoluene	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0040	U	0.0013	0.0040	0.0081	mg/Kg
106-43-4	4-Chlorotoluene	0.0040	U	0.0020	0.0040	0.0081	mg/Kg
98-06-6	tert-Butylbenzene	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0040	U	0.0010	0.0040	0.0081	mg/Kg
135-98-8	sec-Butylbenzene	0.0040	U	0.0011	0.0040	0.0081	mg/Kg
99-87-6	p-Isopropyltoluene	0.0040	U	0.0010	0.0040	0.0081	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0040	U	0.0028	0.0040	0.0081	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0040	U	0.0025	0.0040	0.0081	mg/Kg

Raw Data: **VW031993.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.5
Sample Wt/Vol:	3.85 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031993.D	1	08/04/25 12:06	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0040	U	0.0023	0.0040	0.0081	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0040	U	0.0023	0.0040	0.0081	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0065	U	0.0030	0.0065	0.0081	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0065	U	0.0048	0.0065	0.0081	mg/Kg
87-68-3	Hexachlorobutadiene	0.0040	U	0.0031	0.0040	0.0081	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0065	U	0.0051	0.0065	0.0081	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0040	U	0.0017	0.0040	0.0081	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	46.1		85 - 116		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.0	*	79 - 119		70%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	184000	7.959				
540-36-3	1,4-Difluorobenzene	375000	8.855				
3114-55-4	Chlorobenzene-d5	320000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.556				

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

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

Sample Results: **VW031993.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031993.D
Acq On : 04 Aug 2025 12:06
Operator : SY/MD
Sample : Q2747-05RE
Misc : 3.85g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Quant Time: Aug 05 01:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	184344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	375350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	319941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	110918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132387	47.473	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.940%		
35) Dibromofluoromethane	7.898	113	121933	47.806	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.620%		
50) Toluene-d8	10.331	98	445150	46.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.240%		
62) 4-Bromofluorobenzene	12.617	95	129634	34.974	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	69.940%		

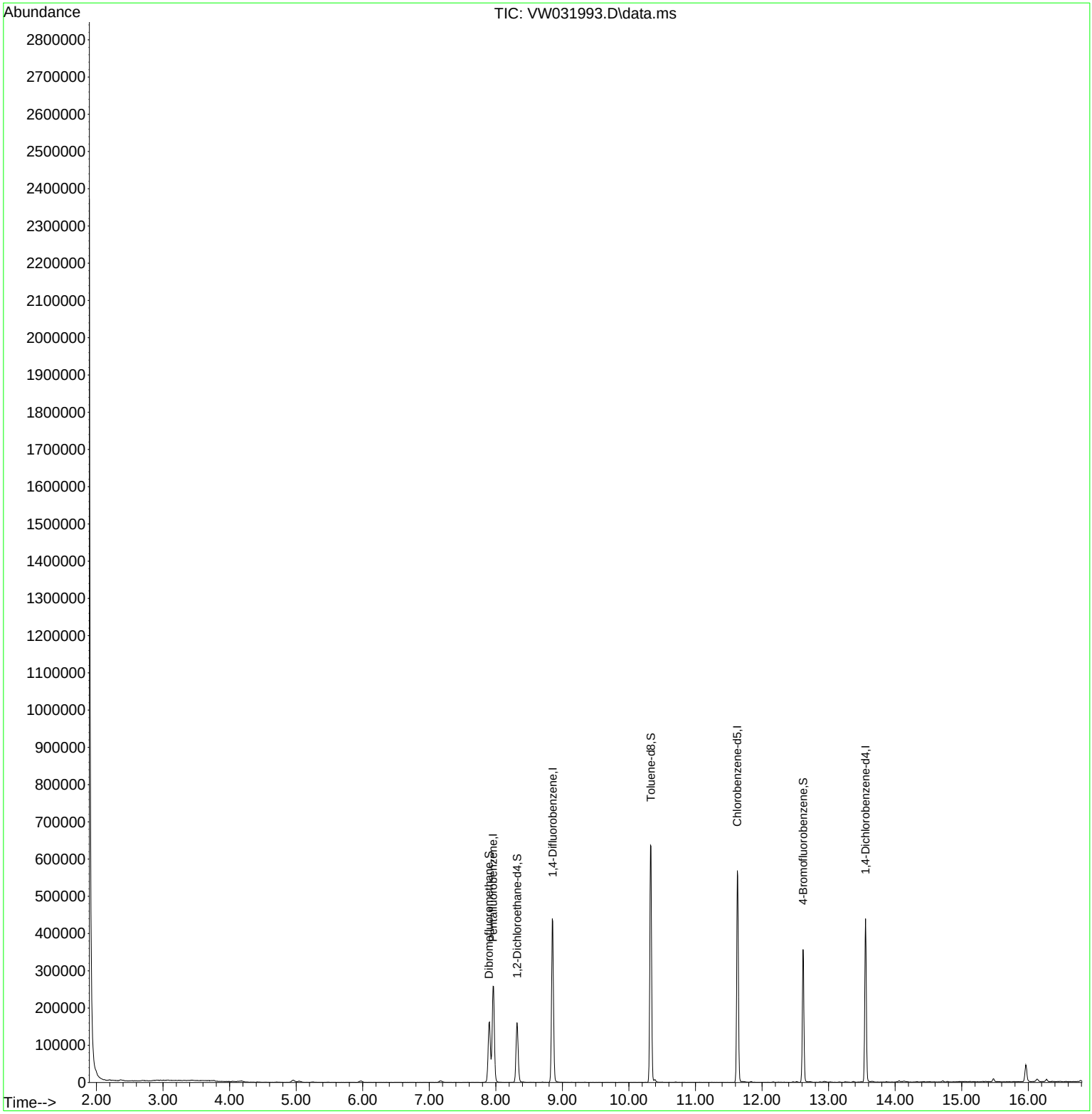
Target Compounds Qvalue

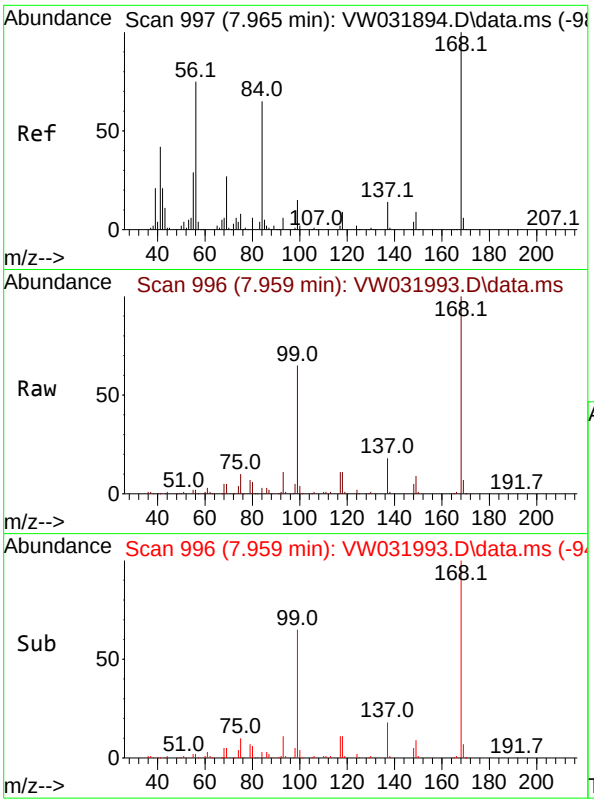
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031993.D
Acq On : 04 Aug 2025 12:06
Operator : SY/MD
Sample : Q2747-05RE
Misc : 3.85g/5mL/MSVOA_W/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Quant Time: Aug 05 01:17:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



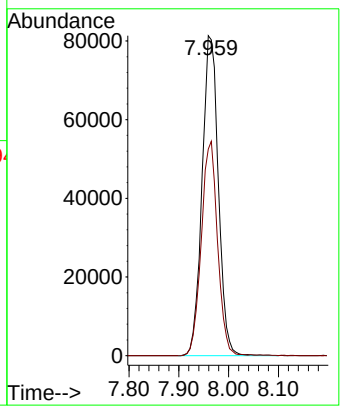


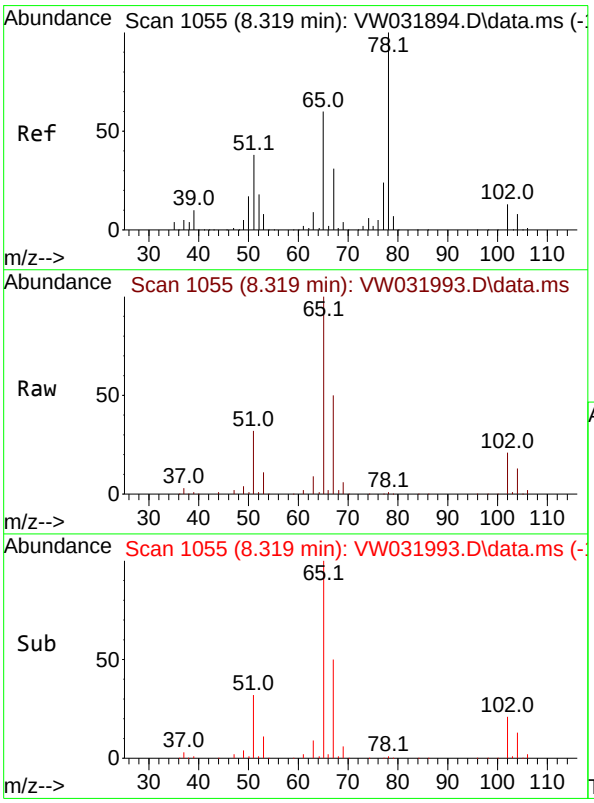
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Tgt Ion:168 Resp: 184344

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.2	72.2

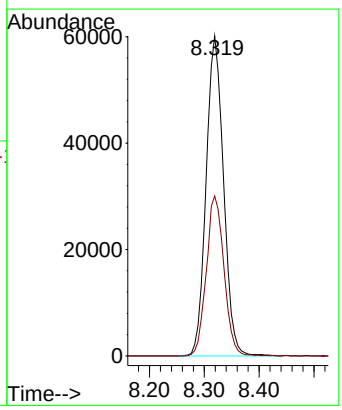


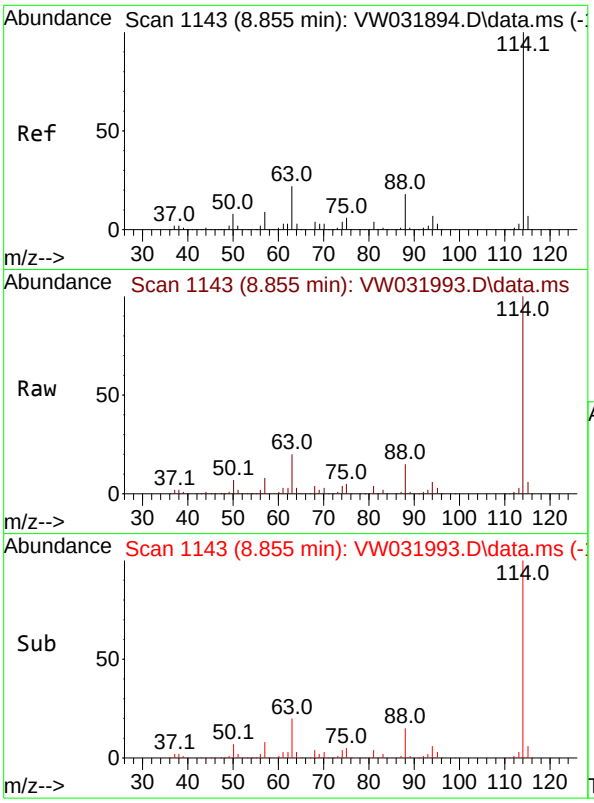


#33
1,2-Dichloroethane-d4
Concen: 47.473 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 65 Resp: 132387

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.4



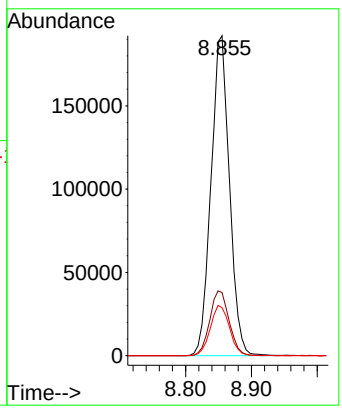


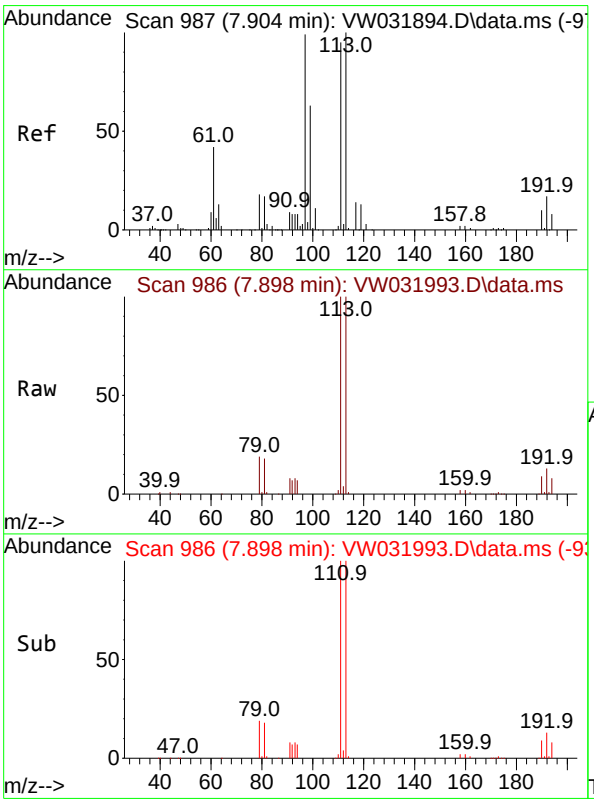
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Tgt Ion:114 Resp: 375350

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	44.2
88	15.0	0.0	35.6

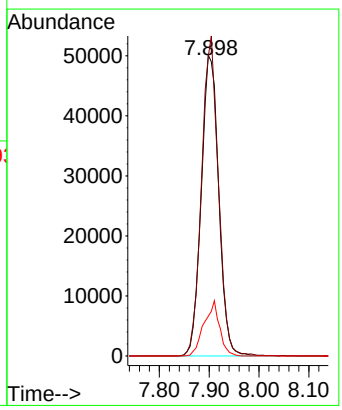


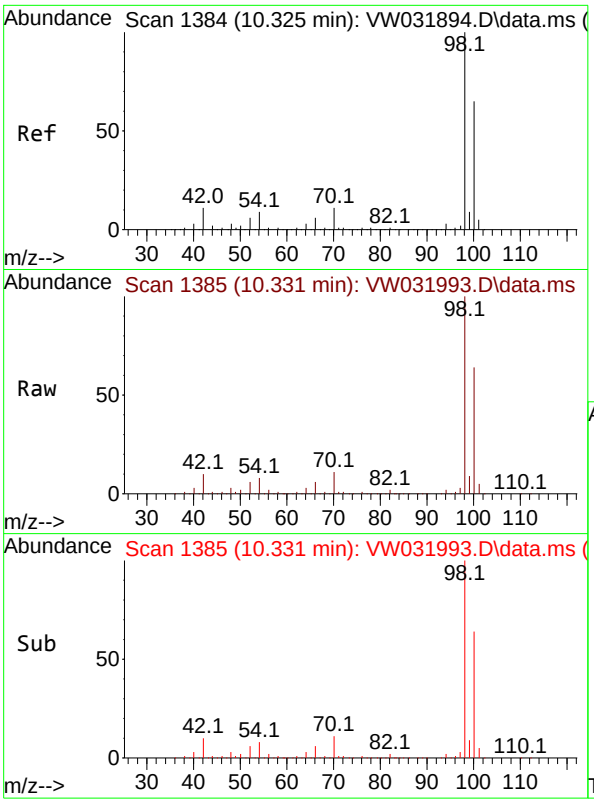


#35
Dibromofluoromethane
Concen: 47.806 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion:113 Resp: 121933

Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.9	119.9
192	16.3	12.6	19.0



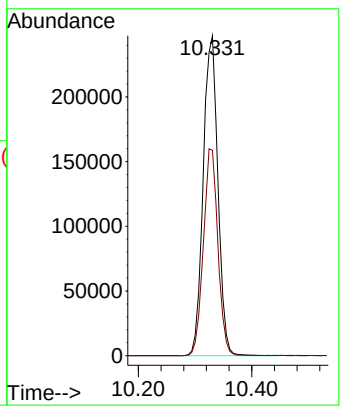


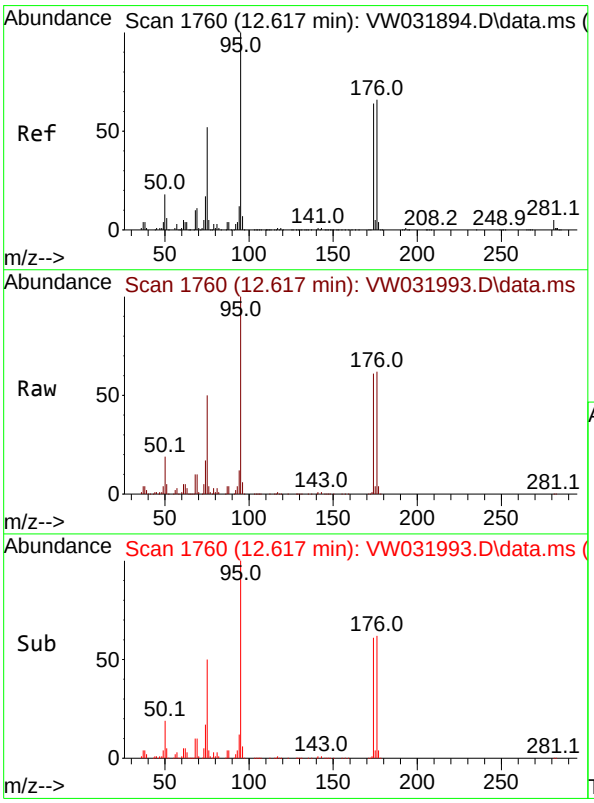
#50
Toluene-d8
Concen: 46.115 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Tgt Ion: 98 Resp: 445150

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5

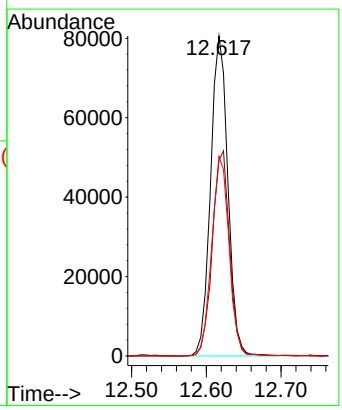


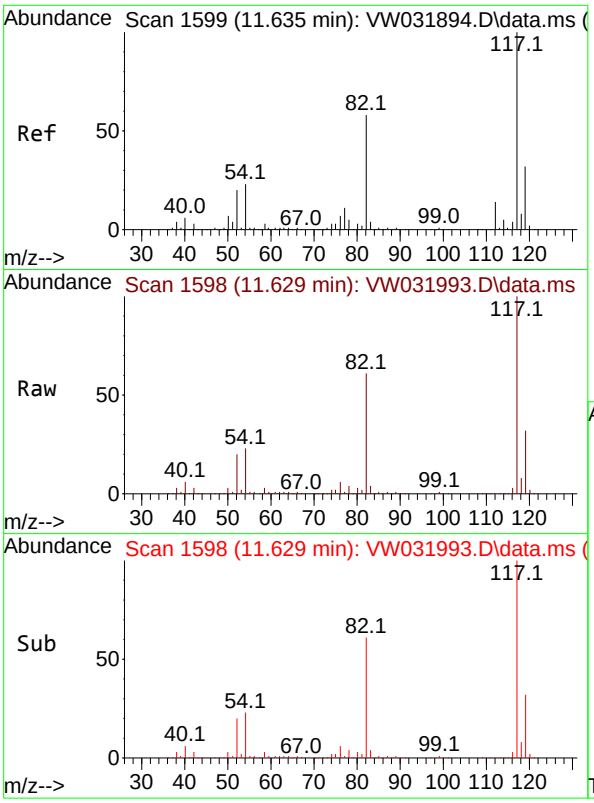


#62
4-Bromofluorobenzene
Concen: 34.974 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion: 95 Resp: 129634

Ion	Ratio	Lower	Upper
95	100		
174	64.0	0.0	129.8
176	62.7	0.0	130.4



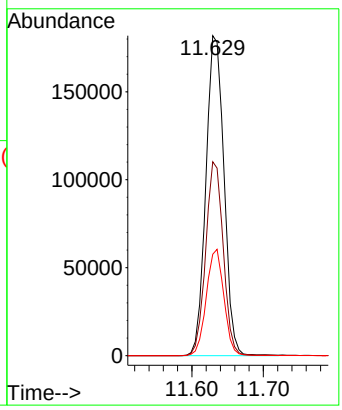


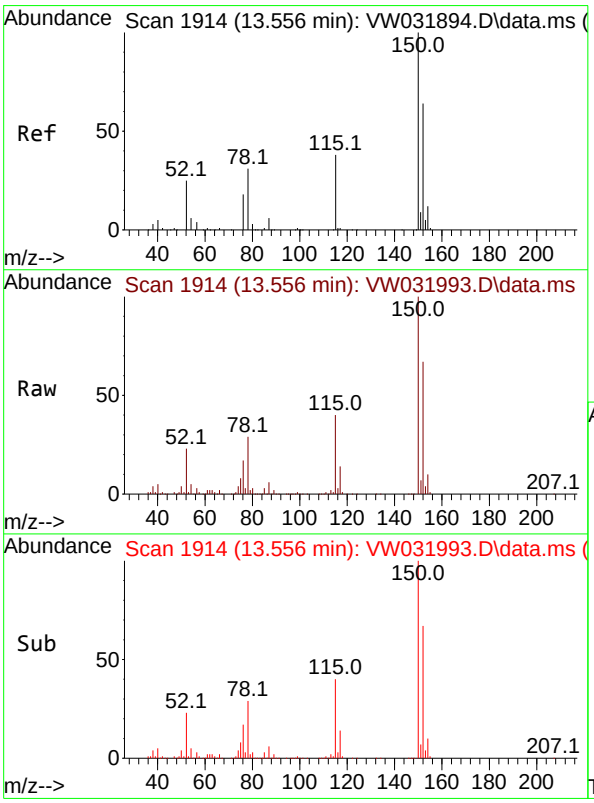
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125RE

Tgt Ion:117 Resp: 319941

Ion	Ratio	Lower	Upper
117	100		
82	60.6	46.5	69.7
119	31.7	25.8	38.6

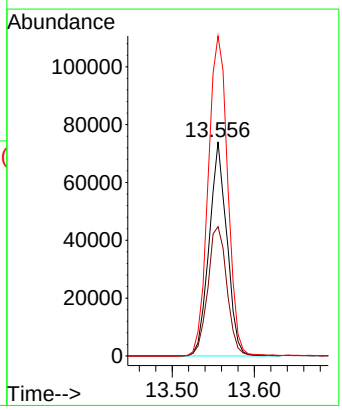




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031993.D
Acq: 04 Aug 2025 12:06

Tgt Ion:152 Resp: 110918

Ion	Ratio	Lower	Upper
152	100		
115	65.3	33.4	100.1
150	164.3	0.0	352.2



Raw Data: **VW031981.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031981.D	1	08/01/25 13:24	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.011	U	0.0031	0.011	0.014	mg/Kg
74-87-3	Chloromethane	0.0068	U	0.0031	0.0068	0.014	mg/Kg
75-01-4	Vinyl Chloride	0.0068	U	0.0021	0.0068	0.014	mg/Kg
74-83-9	Bromomethane	0.011	U	0.0029	0.011	0.014	mg/Kg
75-00-3	Chloroethane	0.0068	U	0.0034	0.0068	0.014	mg/Kg
109-99-9	Tetrahydrofuran	0.034	U	0.013	0.034	0.068	mg/Kg
75-69-4	Trichlorofluoromethane	0.011	U	0.0033	0.011	0.014	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0068	U	0.0029	0.0068	0.014	mg/Kg
75-35-4	1,1-Dichloroethene	0.0068	U	0.0027	0.0068	0.014	mg/Kg
107-13-1	Acrylonitrile	0.034	U	0.014	0.034	0.068	mg/Kg
67-64-1	Acetone	0.054	U	0.013	0.054	0.068	mg/Kg
75-15-0	Carbon Disulfide	0.011	U	0.0029	0.011	0.014	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0068	U	0.0020	0.0068	0.014	mg/Kg
75-09-2	Methylene Chloride	0.022	U	0.0096	0.022	0.027	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0068	U	0.0023	0.0068	0.014	mg/Kg
75-34-3	1,1-Dichloroethane	0.0068	U	0.0022	0.0068	0.014	mg/Kg
78-93-3	2-Butanone	0.054	U	0.018	0.054	0.068	mg/Kg
56-23-5	Carbon Tetrachloride	0.0068	U	0.0026	0.0068	0.014	mg/Kg
594-20-7	2,2-Dichloropropane	0.011	U	0.0035	0.011	0.014	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0068	U	0.0020	0.0068	0.014	mg/Kg
67-66-3	Chloroform	0.011	U	0.0023	0.011	0.014	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0068	U	0.0025	0.0068	0.014	mg/Kg
563-58-6	1,1-Dichloropropene	0.0068	U	0.0024	0.0068	0.014	mg/Kg
71-43-2	Benzene	0.0068	U	0.0021	0.0068	0.014	mg/Kg
107-06-2	1,2-Dichloroethane	0.0068	U	0.0021	0.0068	0.014	mg/Kg
79-01-6	Trichloroethene	0.0068	U	0.0022	0.0068	0.014	mg/Kg
78-87-5	1,2-Dichloropropane	0.0068	U	0.0025	0.0068	0.014	mg/Kg
74-95-3	Dibromomethane	0.0068	U	0.0024	0.0068	0.014	mg/Kg
75-27-4	Bromodichloromethane	0.0068	U	0.0021	0.0068	0.014	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.034	U	0.0097	0.034	0.068	mg/Kg

Raw Data: **VW031981.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031981.D	1	08/01/25 13:24	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0068	U	0.0021	0.0068	0.014	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0068	U	0.0018	0.0068	0.014	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0068	U	0.0017	0.0068	0.014	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0068	U	0.0025	0.0068	0.014	mg/Kg
142-28-9	1,3-Dichloropropane	0.0068	U	0.0018	0.0068	0.014	mg/Kg
591-78-6	2-Hexanone	0.034	U	0.010	0.034	0.068	mg/Kg
124-48-1	Dibromochloromethane	0.0068	U	0.0024	0.0068	0.014	mg/Kg
106-93-4	1,2-Dibromoethane	0.0068	U	0.0024	0.0068	0.014	mg/Kg
127-18-4	Tetrachloroethene	0.0068	U	0.0028	0.0068	0.014	mg/Kg
108-90-7	Chlorobenzene	0.0068	U	0.0025	0.0068	0.014	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0068	U	0.0021	0.0068	0.014	mg/Kg
100-41-4	Ethyl Benzene	0.0068	U	0.0018	0.0068	0.014	mg/Kg
179601-23-1	m/p-Xylenes	0.014	U	0.0034	0.014	0.027	mg/Kg
1330-20-7	Total Xylenes	0.020	U	0.0056	0.020	0.041	mg/Kg
95-47-6	o-Xylene	0.0068	U	0.0022	0.0068	0.014	mg/Kg
100-42-5	Styrene	0.0068	U	0.0019	0.0068	0.014	mg/Kg
75-25-2	Bromoform	0.0068	U	0.0023	0.0068	0.014	mg/Kg
98-82-8	Isopropylbenzene	0.0068	U	0.0021	0.0068	0.014	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0068	U	0.0033	0.0068	0.014	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.011	U	0.0034	0.011	0.014	mg/Kg
108-86-1	Bromobenzene	0.0068	U	0.0033	0.0068	0.014	mg/Kg
103-65-1	n-propylbenzene	0.0068	U	0.0020	0.0068	0.014	mg/Kg
95-49-8	2-Chlorotoluene	0.0068	U	0.0018	0.0068	0.014	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0068	U	0.0022	0.0068	0.014	mg/Kg
106-43-4	4-Chlorotoluene	0.0068	U	0.0033	0.0068	0.014	mg/Kg
98-06-6	tert-Butylbenzene	0.0068	U	0.0018	0.0068	0.014	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0068	U	0.0017	0.0068	0.014	mg/Kg
135-98-8	sec-Butylbenzene	0.0068	U	0.0018	0.0068	0.014	mg/Kg
99-87-6	p-Isopropyltoluene	0.0068	U	0.0017	0.0068	0.014	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0068	U	0.0046	0.0068	0.014	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0068	U	0.0042	0.0068	0.014	mg/Kg

Raw Data: **VW031981.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031981.D	1	08/01/25 13:24	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0068	U	0.0039	0.0068	0.014	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0068	U	0.0039	0.0068	0.014	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.011	U	0.0050	0.011	0.014	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.011	U	0.0080	0.011	0.014	mg/Kg
87-68-3	Hexachlorobutadiene	0.0068	U	0.0051	0.0068	0.014	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.011	U	0.0086	0.011	0.014	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0068	U	0.0029	0.0068	0.014	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.6		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	44.3		85 - 116		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.4	*	79 - 119		61%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167000	7.965				
540-36-3	1,4-Difluorobenzene	345000	8.855				
3114-55-4	Chlorobenzene-d5	279000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	92600	13.556				

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

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

Sample Results: **VW031981.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031981.D
Acq On : 01 Aug 2025 13:24
Operator : SY/MD
Sample : Q2747-07
Misc : 2.78g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 01 23:12:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	167026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	345398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	278680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	92634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122782	48.594	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.180%		
35) Dibromofluoromethane	7.898	113	112710	48.022	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.040%		
50) Toluene-d8	10.325	98	393444	44.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.617	95	103545	30.358	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	60.720%		

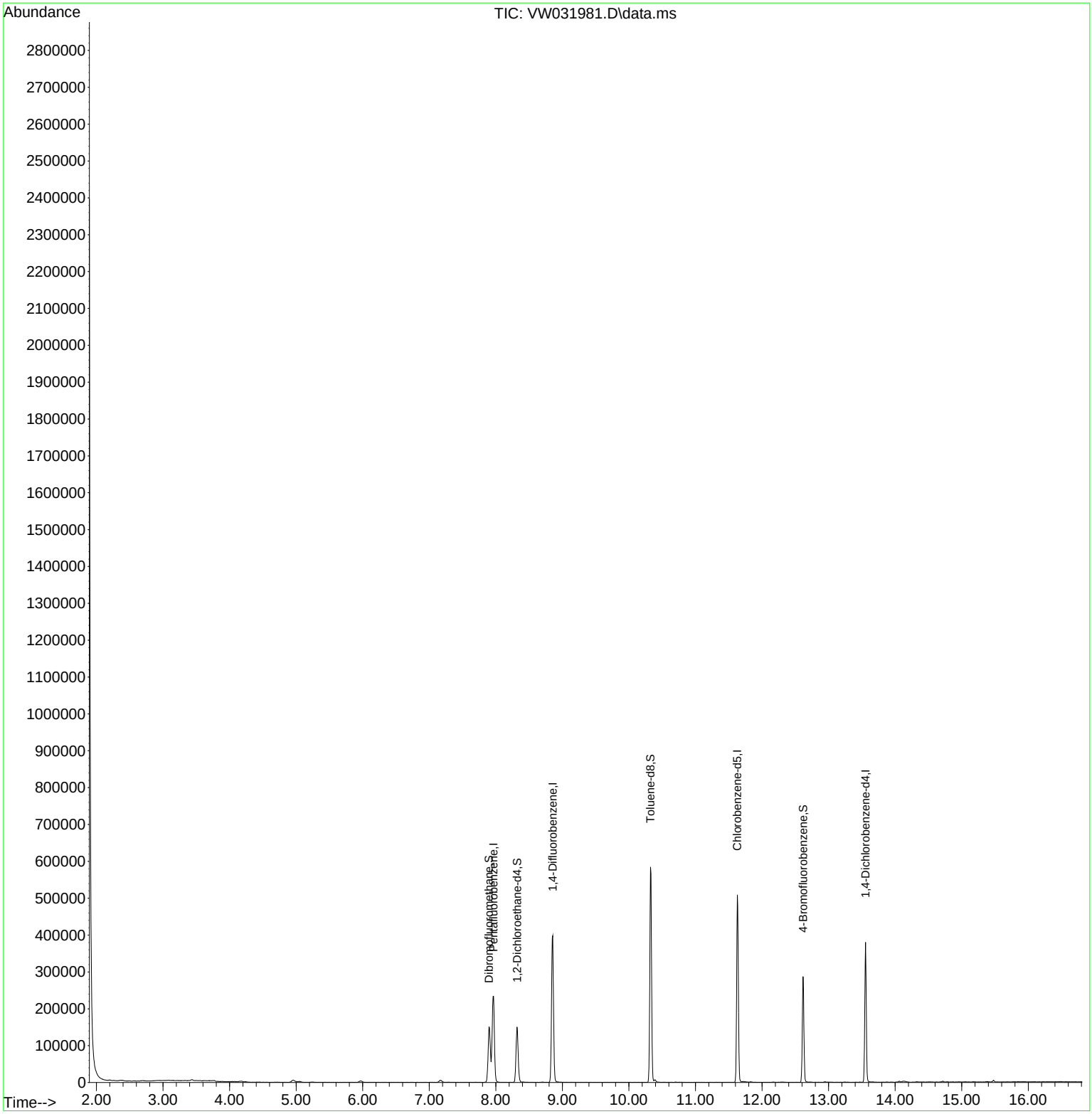
Target Compounds Qvalue

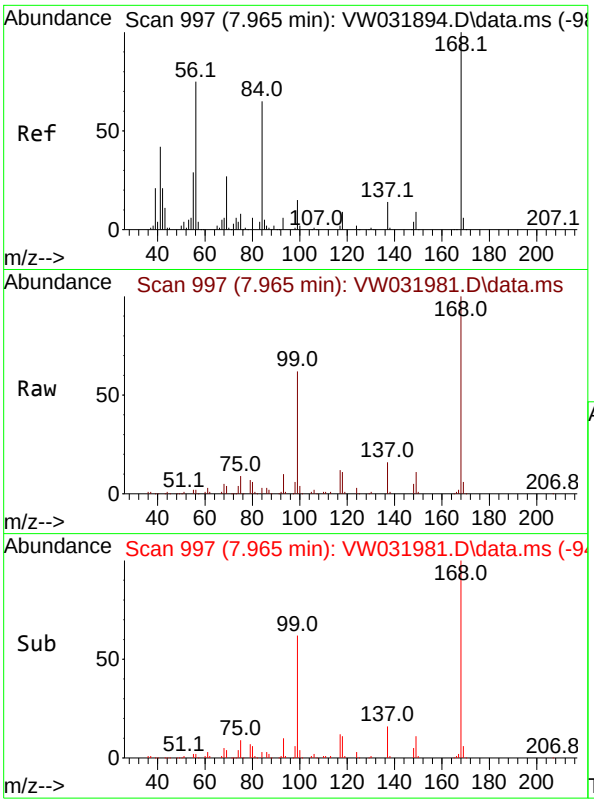
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031981.D
Acq On : 01 Aug 2025 13:24
Operator : SY/MD
Sample : Q2747-07
Misc : 2.78g/5mL/MSVOA_W/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 01 23:12:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



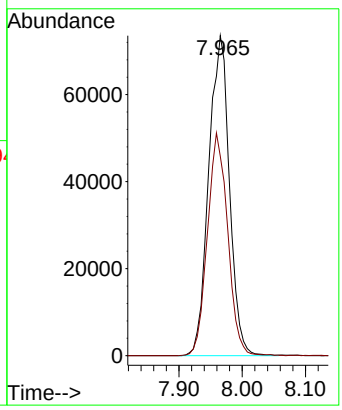


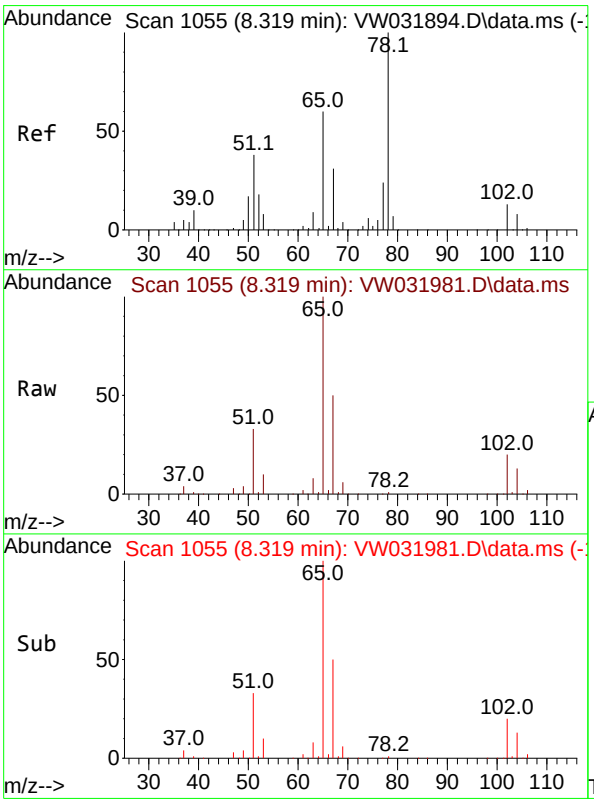
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:168 Resp: 167026

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.2	72.2

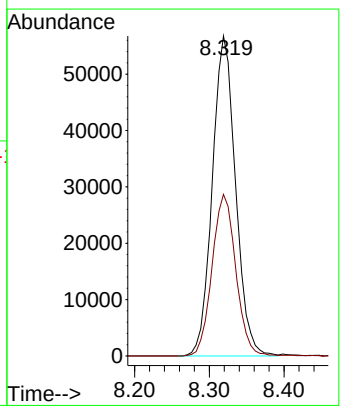


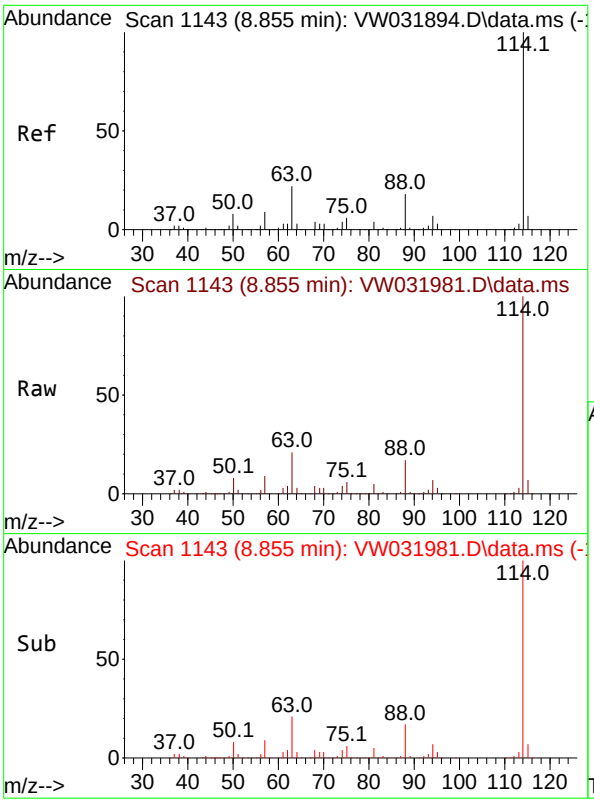


#33
1,2-Dichloroethane-d4
Concen: 48.594 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 65 Resp: 122782

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.4



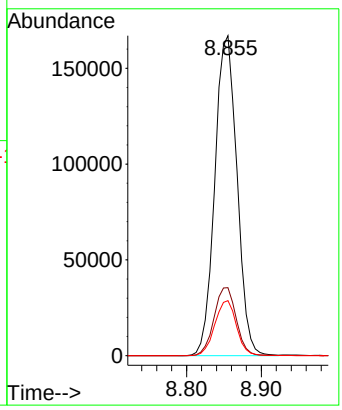


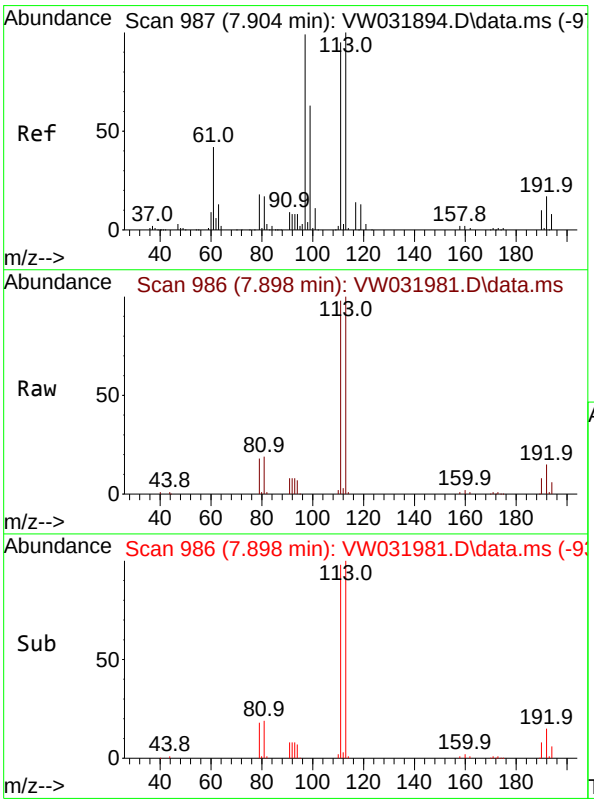
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:114 Resp: 345398

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.2
88	17.2	0.0	35.6

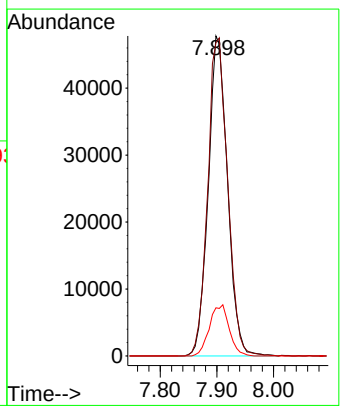


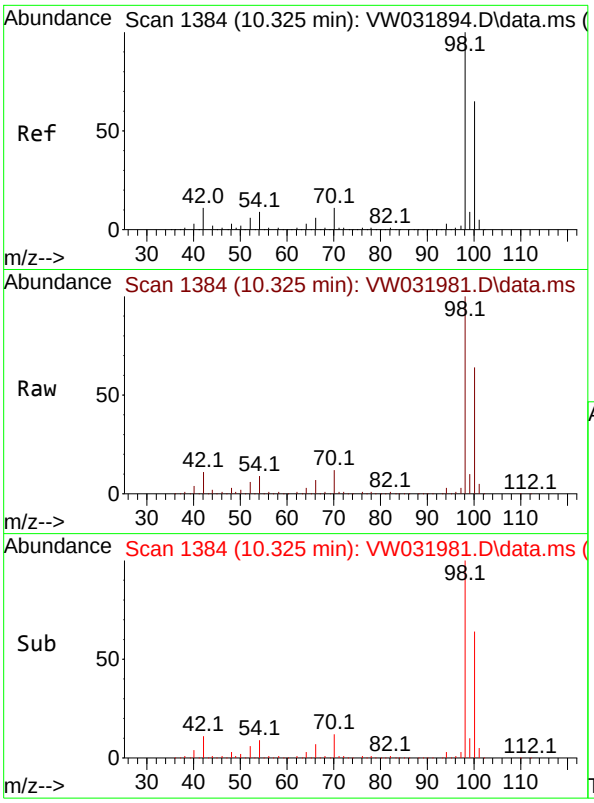


#35
Dibromofluoromethane
Concen: 48.022 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion:113 Resp: 112710

Ion	Ratio	Lower	Upper
113	100		
111	102.7	79.9	119.9
192	16.4	12.6	19.0



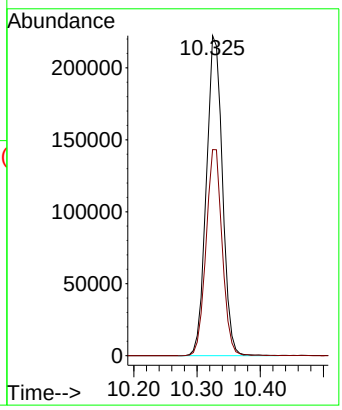


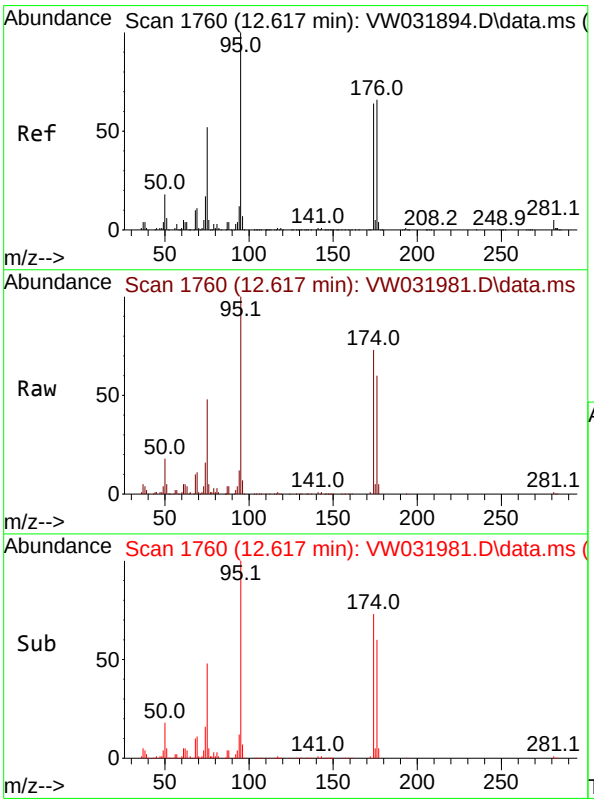
#50
Toluene-d8
Concen: 44.293 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion: 98 Resp: 393444

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5

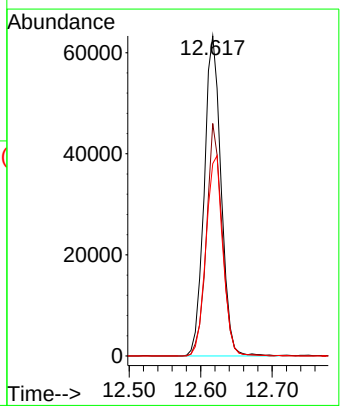


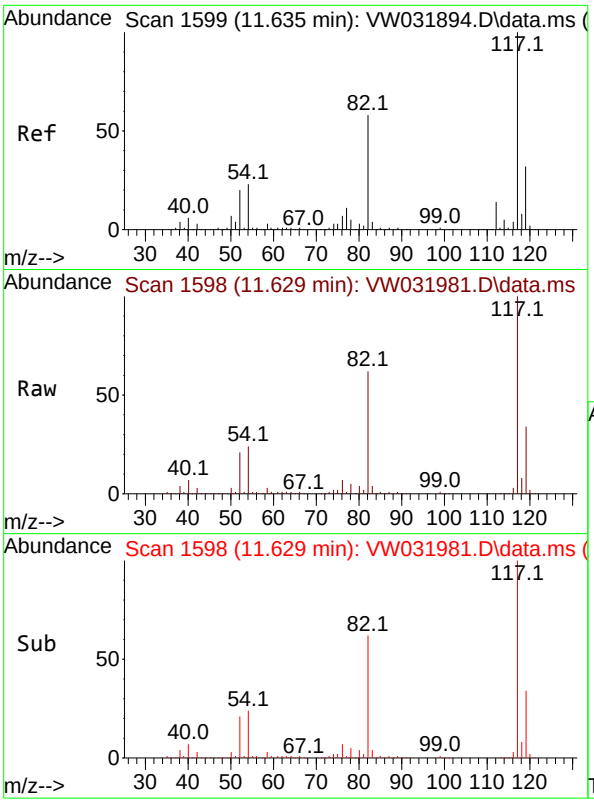


#62
4-Bromofluorobenzene
Concen: 30.358 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 95 Resp: 103545

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	129.8
176	63.1	0.0	130.4



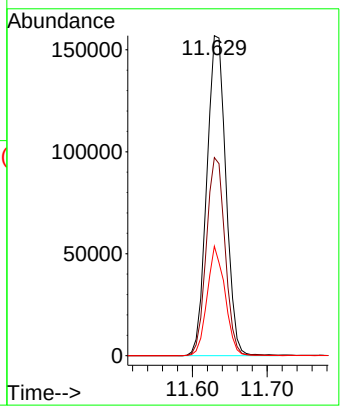


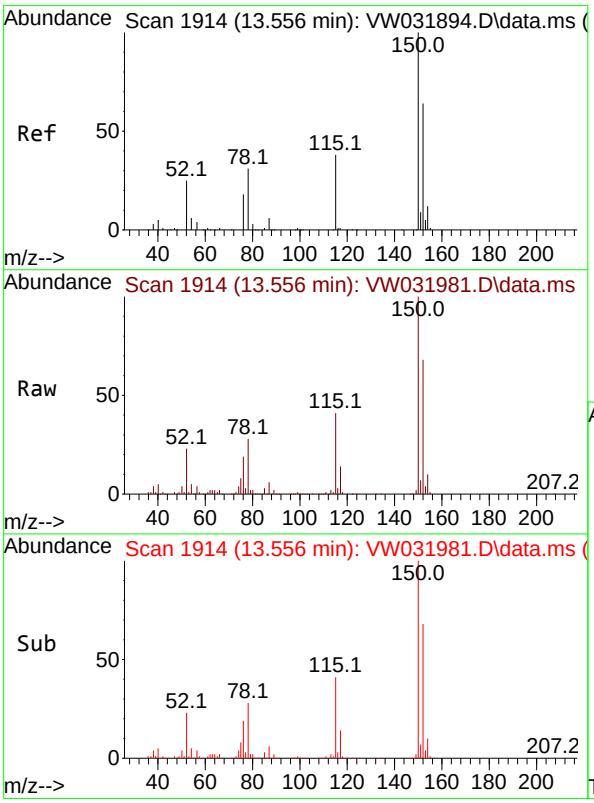
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:117 Resp: 278680

Ion	Ratio	Lower	Upper
117	100		
82	61.9	46.5	69.7
119	34.2	25.8	38.6

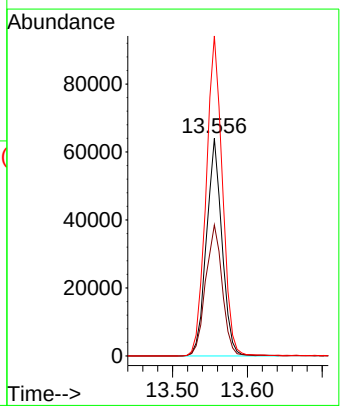




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion:152 Resp: 92634

Ion	Ratio	Lower	Upper
152	100		
115	64.3	33.4	100.1
150	154.3	0.0	352.2



Raw Data: **VW031994.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031994.D	1	08/04/25 12:28	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.012	U	0.0033	0.012	0.015	mg/Kg
74-87-3	Chloromethane	0.0073	U	0.0033	0.0073	0.015	mg/Kg
75-01-4	Vinyl Chloride	0.0073	U	0.0023	0.0073	0.015	mg/Kg
74-83-9	Bromomethane	0.012	U	0.0031	0.012	0.015	mg/Kg
75-00-3	Chloroethane	0.0073	U	0.0037	0.0073	0.015	mg/Kg
109-99-9	Tetrahydrofuran	0.037	U	0.014	0.037	0.073	mg/Kg
75-69-4	Trichlorofluoromethane	0.012	U	0.0035	0.012	0.015	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0073	U	0.0031	0.0073	0.015	mg/Kg
75-35-4	1,1-Dichloroethene	0.0073	U	0.0029	0.0073	0.015	mg/Kg
107-13-1	Acrylonitrile	0.037	U	0.015	0.037	0.073	mg/Kg
67-64-1	Acetone	0.058	U	0.014	0.058	0.073	mg/Kg
75-15-0	Carbon Disulfide	0.012	U	0.0031	0.012	0.015	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0073	U	0.0021	0.0073	0.015	mg/Kg
75-09-2	Methylene Chloride	0.023	U	0.010	0.023	0.029	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0073	U	0.0025	0.0073	0.015	mg/Kg
75-34-3	1,1-Dichloroethane	0.0073	U	0.0023	0.0073	0.015	mg/Kg
78-93-3	2-Butanone	0.058	U	0.019	0.058	0.073	mg/Kg
56-23-5	Carbon Tetrachloride	0.0073	U	0.0028	0.0073	0.015	mg/Kg
594-20-7	2,2-Dichloropropane	0.012	U	0.0037	0.012	0.015	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0073	U	0.0022	0.0073	0.015	mg/Kg
67-66-3	Chloroform	0.012	U	0.0025	0.012	0.015	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0073	U	0.0027	0.0073	0.015	mg/Kg
563-58-6	1,1-Dichloropropene	0.0073	U	0.0025	0.0073	0.015	mg/Kg
71-43-2	Benzene	0.0073	U	0.0023	0.0073	0.015	mg/Kg
107-06-2	1,2-Dichloroethane	0.0073	U	0.0023	0.0073	0.015	mg/Kg
79-01-6	Trichloroethene	0.0073	U	0.0024	0.0073	0.015	mg/Kg
78-87-5	1,2-Dichloropropane	0.0073	U	0.0027	0.0073	0.015	mg/Kg
74-95-3	Dibromomethane	0.0073	U	0.0026	0.0073	0.015	mg/Kg
75-27-4	Bromodichloromethane	0.0073	U	0.0023	0.0073	0.015	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.037	U	0.010	0.037	0.073	mg/Kg

Raw Data: **VW031994.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031994.D	1	08/04/25 12:28	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0073	U	0.0023	0.0073	0.015	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0073	U	0.0019	0.0073	0.015	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0073	U	0.0018	0.0073	0.015	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0073	U	0.0027	0.0073	0.015	mg/Kg
142-28-9	1,3-Dichloropropane	0.0073	U	0.0020	0.0073	0.015	mg/Kg
591-78-6	2-Hexanone	0.037	U	0.011	0.037	0.073	mg/Kg
124-48-1	Dibromochloromethane	0.0073	U	0.0025	0.0073	0.015	mg/Kg
106-93-4	1,2-Dibromoethane	0.0073	U	0.0026	0.0073	0.015	mg/Kg
127-18-4	Tetrachloroethene	0.0073	U	0.0031	0.0073	0.015	mg/Kg
108-90-7	Chlorobenzene	0.0073	U	0.0027	0.0073	0.015	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0073	U	0.0022	0.0073	0.015	mg/Kg
100-41-4	Ethyl Benzene	0.0073	U	0.0020	0.0073	0.015	mg/Kg
179601-23-1	m/p-Xylenes	0.015	U	0.0036	0.015	0.029	mg/Kg
1330-20-7	Total Xylenes	0.022	U	0.0060	0.022	0.044	mg/Kg
95-47-6	o-Xylene	0.0073	U	0.0024	0.0073	0.015	mg/Kg
100-42-5	Styrene	0.0073	U	0.0021	0.0073	0.015	mg/Kg
75-25-2	Bromoform	0.0073	U	0.0025	0.0073	0.015	mg/Kg
98-82-8	Isopropylbenzene	0.0073	U	0.0023	0.0073	0.015	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0073	U	0.0035	0.0073	0.015	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.012	U	0.0036	0.012	0.015	mg/Kg
108-86-1	Bromobenzene	0.0073	U	0.0035	0.0073	0.015	mg/Kg
103-65-1	n-propylbenzene	0.0073	U	0.0021	0.0073	0.015	mg/Kg
95-49-8	2-Chlorotoluene	0.0073	U	0.0020	0.0073	0.015	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0073	U	0.0024	0.0073	0.015	mg/Kg
106-43-4	4-Chlorotoluene	0.0073	U	0.0036	0.0073	0.015	mg/Kg
98-06-6	tert-Butylbenzene	0.0073	U	0.0020	0.0073	0.015	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0073	U	0.0019	0.0073	0.015	mg/Kg
135-98-8	sec-Butylbenzene	0.0073	U	0.0019	0.0073	0.015	mg/Kg
99-87-6	p-Isopropyltoluene	0.0073	U	0.0018	0.0073	0.015	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0073	U	0.0050	0.0073	0.015	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0073	U	0.0046	0.0073	0.015	mg/Kg

Raw Data: **VW031994.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-07RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	66.4
Sample Wt/Vol:	2.58 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031994.D	1	08/04/25 12:28	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0073	U	0.0042	0.0073	0.015	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0073	U	0.0042	0.0073	0.015	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.012	U	0.0054	0.012	0.015	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.012	U	0.0087	0.012	0.015	mg/Kg
87-68-3	Hexachlorobutadiene	0.0073	U	0.0055	0.0073	0.015	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.012	U	0.0093	0.012	0.015	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0073	U	0.0031	0.0073	0.015	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.6		71 - 136		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.7		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.5	*	79 - 119		61%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177000	7.959				
540-36-3	1,4-Difluorobenzene	358000	8.856				
3114-55-4	Chlorobenzene-d5	294000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	92500	13.556				

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

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

Sample Results: **VW031994.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031994.D
Acq On : 04 Aug 2025 12:28
Operator : SY/MD
Sample : Q2747-07RE
Misc : 2.58g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Quant Time: Aug 05 01:17:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	177491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	358263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	293647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	92547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125239	46.644	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.280%		
35) Dibromofluoromethane	7.898	113	117579	48.298	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.600%		
50) Toluene-d8	10.325	98	420651	45.655	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.320%		
62) 4-Bromofluorobenzene	12.617	95	107969	30.518	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	61.040%		

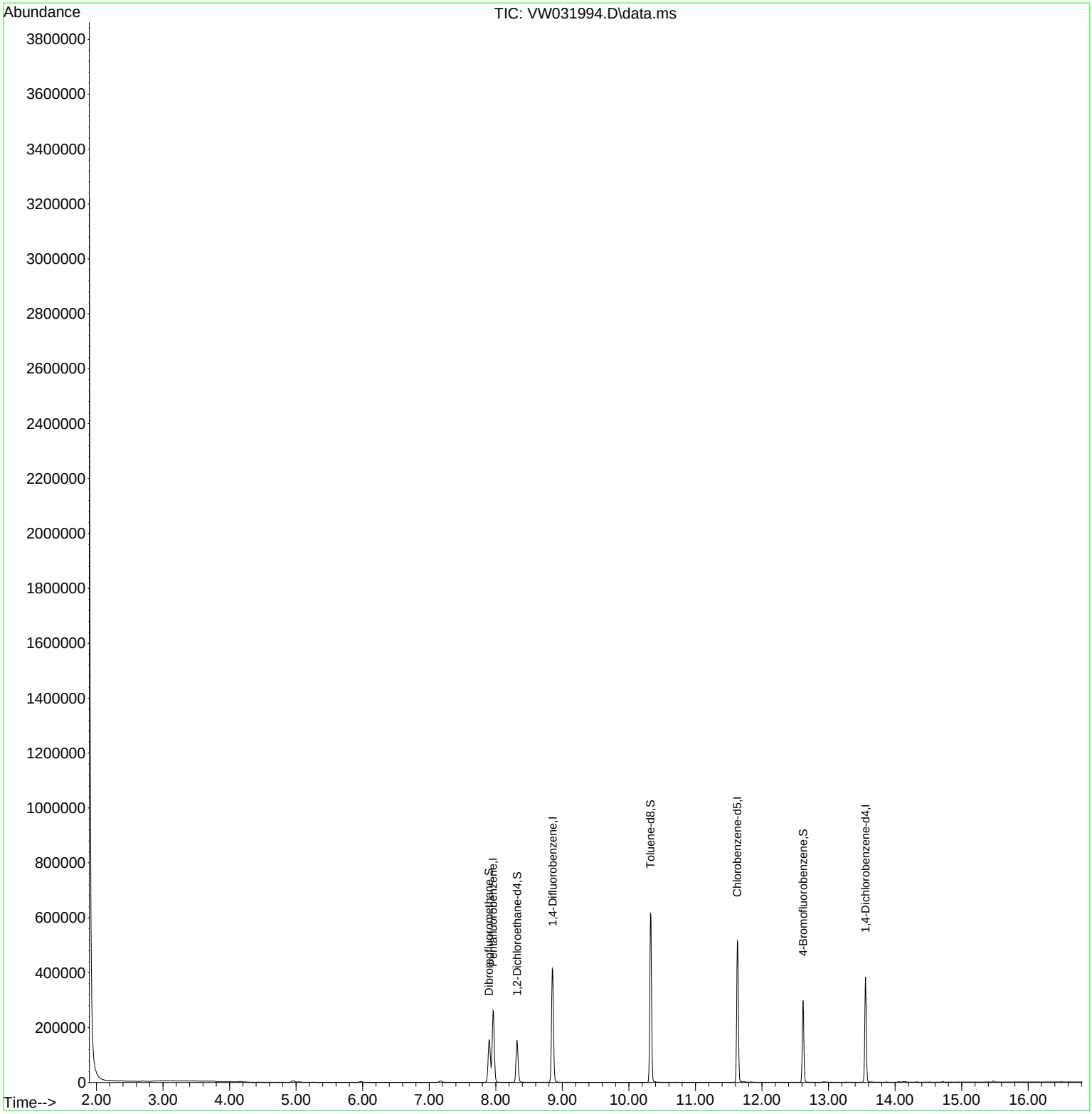
Target Compounds Qvalue

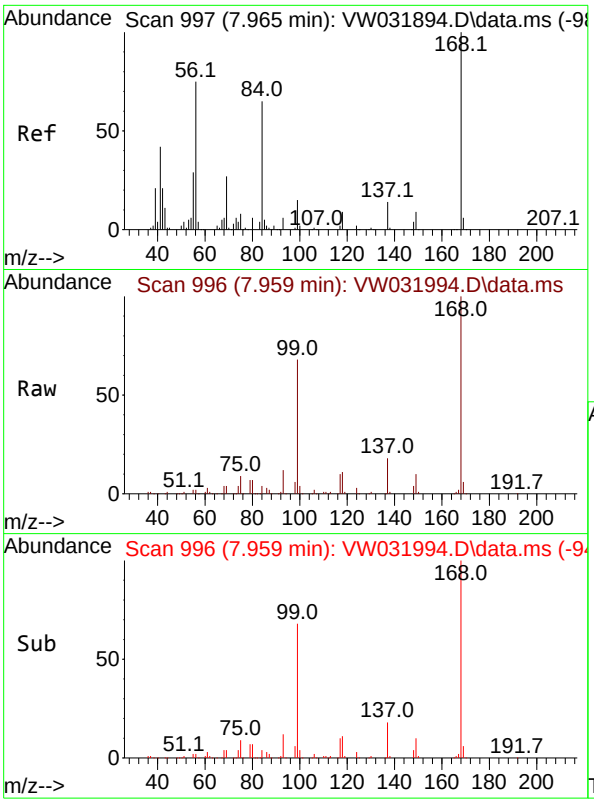
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031994.D
Acq On : 04 Aug 2025 12:28
Operator : SY/MD
Sample : Q2747-07RE
Misc : 2.58g/5mL/MSVOA_W/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Quant Time: Aug 05 01:17:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



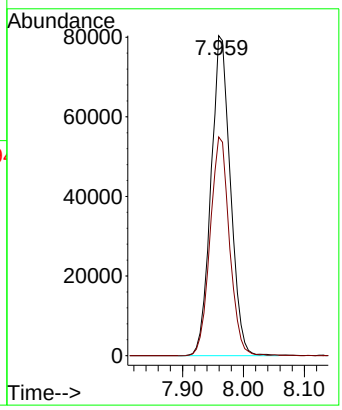


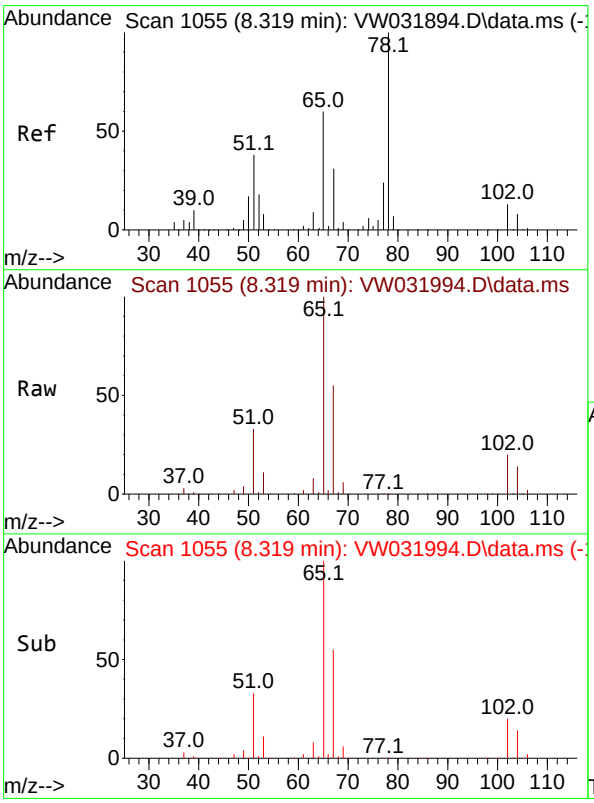
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Tgt Ion:168 Resp: 177491

Ion	Ratio	Lower	Upper
168	100		
99	68.3	48.2	72.2

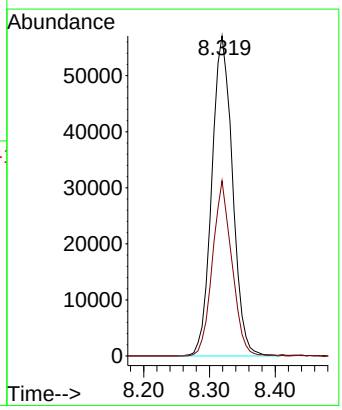


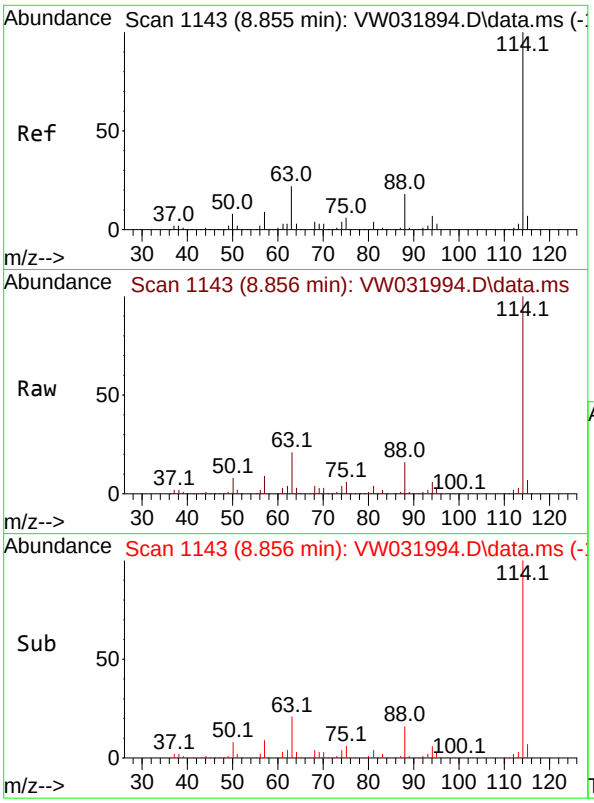


#33
1,2-Dichloroethane-d4
Concen: 46.644 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Tgt Ion: 65 Resp: 125239

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4



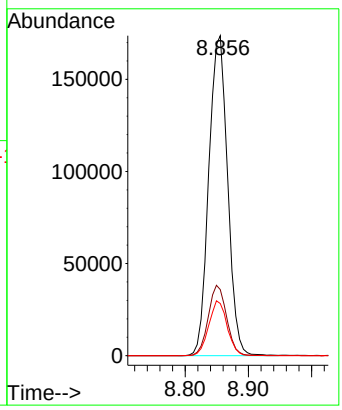


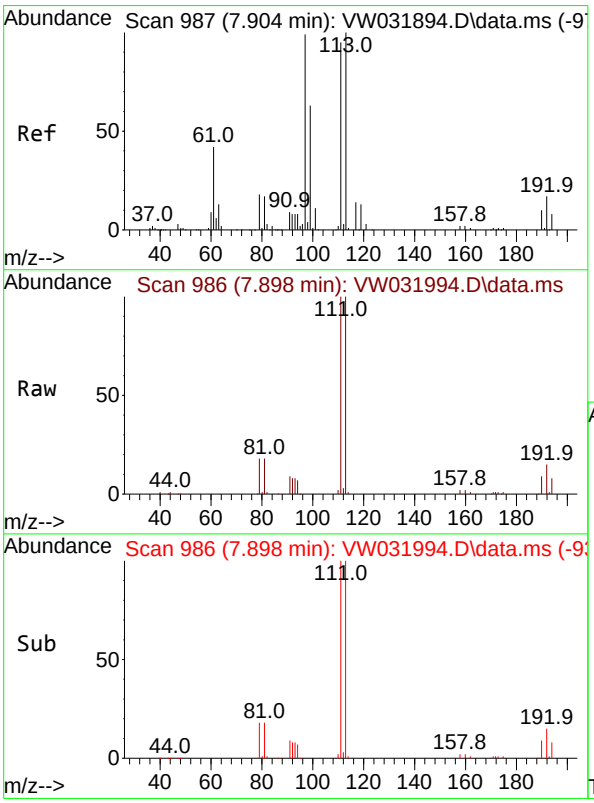
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Tgt Ion:114 Resp: 358263

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.2
88	16.3	0.0	35.6

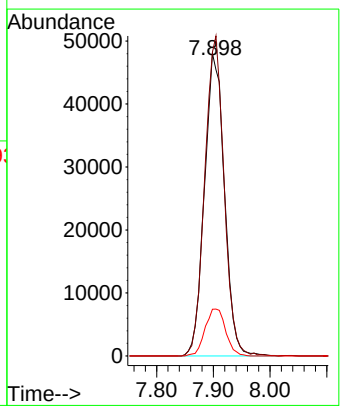


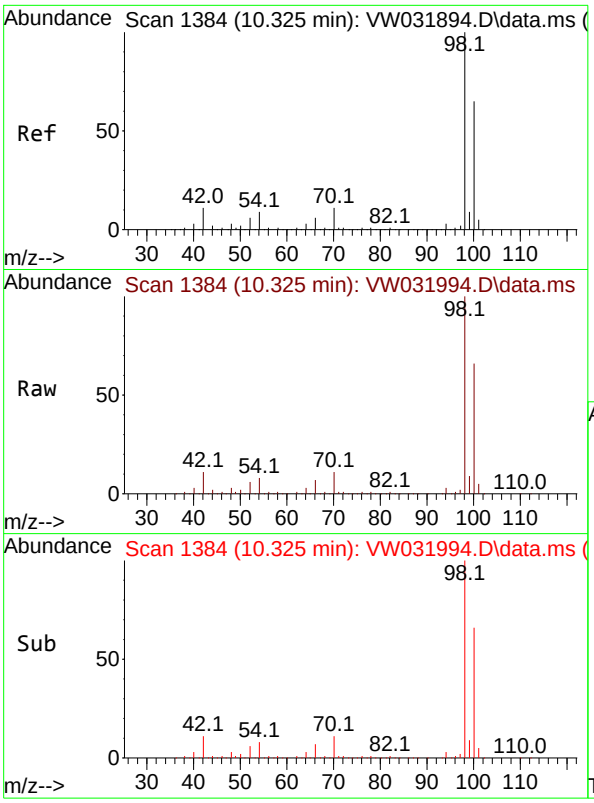


#35
Dibromofluoromethane
Concen: 48.298 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Tgt Ion:113 Resp: 117579

Ion	Ratio	Lower	Upper
113	100		
111	102.3	79.9	119.9
192	16.0	12.6	19.0



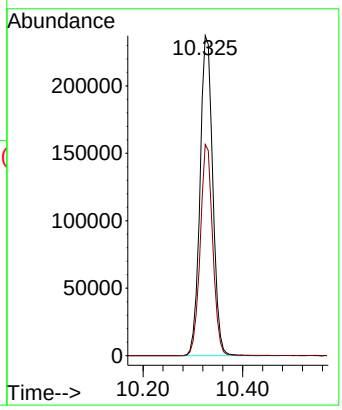


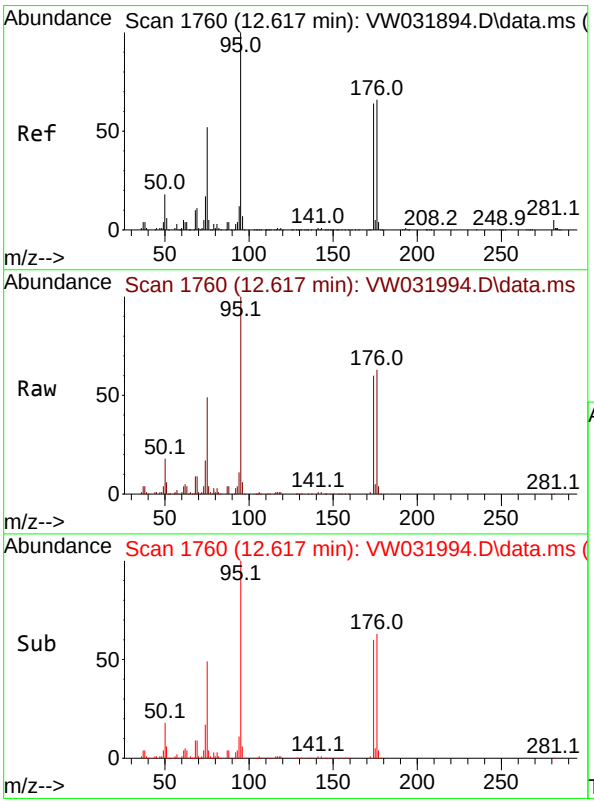
#50
Toluene-d8
Concen: 45.655 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Tgt Ion: 98 Resp: 420651

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5

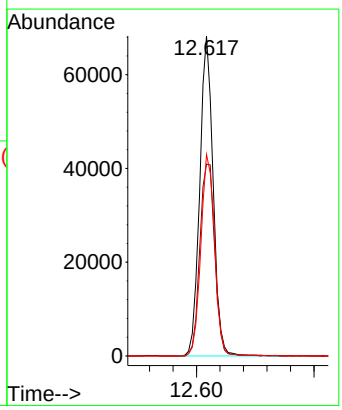


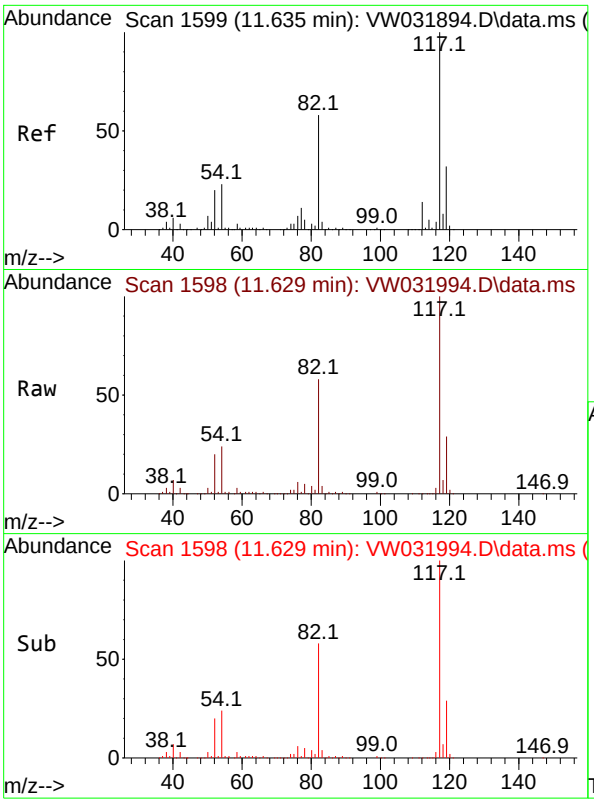


#62
4-Bromofluorobenzene
Concen: 30.518 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Tgt Ion: 95 Resp: 107969

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	129.8
176	64.9	0.0	130.4



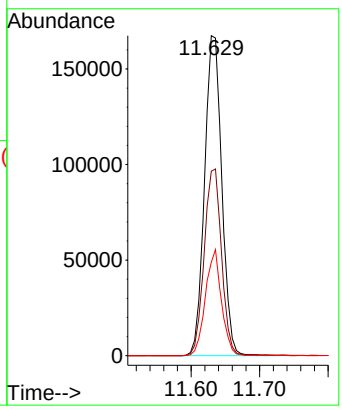


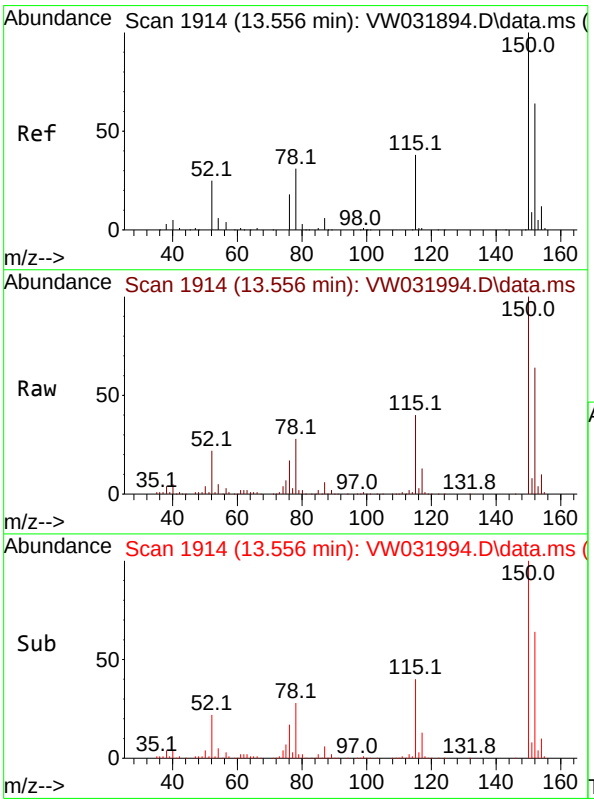
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125RE

Tgt Ion:117 Resp: 293647

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.5	69.7
119	29.2	25.8	38.6

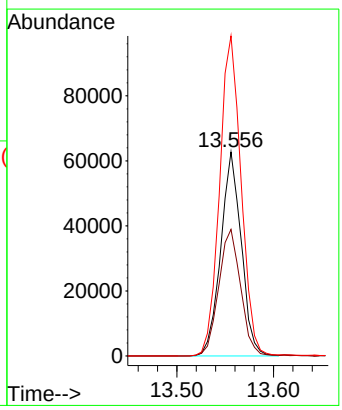




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031994.D
Acq: 04 Aug 2025 12:28

Tgt Ion:152 Resp: 92547

Ion	Ratio	Lower	Upper
152	100		
115	66.4	33.4	100.1
150	164.9	0.0	352.2



Raw Data: **VW031982.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031982.D	1	08/01/25 13:47	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0095	U	0.0027	0.0095	0.012	mg/Kg
74-87-3	Chloromethane	0.0060	U	0.0027	0.0060	0.012	mg/Kg
75-01-4	Vinyl Chloride	0.0060	U	0.0019	0.0060	0.012	mg/Kg
74-83-9	Bromomethane	0.0095	U	0.0026	0.0095	0.012	mg/Kg
75-00-3	Chloroethane	0.0060	U	0.0030	0.0060	0.012	mg/Kg
109-99-9	Tetrahydrofuran	0.030	U	0.011	0.030	0.060	mg/Kg
75-69-4	Trichlorofluoromethane	0.0095	U	0.0029	0.0095	0.012	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0060	U	0.0025	0.0060	0.012	mg/Kg
75-35-4	1,1-Dichloroethene	0.0060	U	0.0024	0.0060	0.012	mg/Kg
107-13-1	Acrylonitrile	0.030	U	0.012	0.030	0.060	mg/Kg
67-64-1	Acetone	0.048	U	0.011	0.048	0.060	mg/Kg
75-15-0	Carbon Disulfide	0.0095	U	0.0025	0.0095	0.012	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0060	U	0.0017	0.0060	0.012	mg/Kg
75-09-2	Methylene Chloride	0.019	U	0.0084	0.019	0.024	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0060	U	0.0021	0.0060	0.012	mg/Kg
75-34-3	1,1-Dichloroethane	0.0060	U	0.0019	0.0060	0.012	mg/Kg
78-93-3	2-Butanone	0.048	U	0.016	0.048	0.060	mg/Kg
56-23-5	Carbon Tetrachloride	0.0060	U	0.0023	0.0060	0.012	mg/Kg
594-20-7	2,2-Dichloropropane	0.0095	U	0.0031	0.0095	0.012	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0060	U	0.0018	0.0060	0.012	mg/Kg
67-66-3	Chloroform	0.0095	U	0.0020	0.0095	0.012	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0060	U	0.0022	0.0060	0.012	mg/Kg
563-58-6	1,1-Dichloropropene	0.0060	U	0.0021	0.0060	0.012	mg/Kg
71-43-2	Benzene	0.0060	U	0.0019	0.0060	0.012	mg/Kg
107-06-2	1,2-Dichloroethane	0.0060	U	0.0019	0.0060	0.012	mg/Kg
79-01-6	Trichloroethene	0.0060	U	0.0019	0.0060	0.012	mg/Kg
78-87-5	1,2-Dichloropropane	0.0060	U	0.0022	0.0060	0.012	mg/Kg
74-95-3	Dibromomethane	0.0060	U	0.0021	0.0060	0.012	mg/Kg
75-27-4	Bromodichloromethane	0.0060	U	0.0019	0.0060	0.012	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.030	U	0.0085	0.030	0.060	mg/Kg

Raw Data: **VW031982.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031982.D	1	08/01/25 13:47	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0060	U	0.0019	0.0060	0.012	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0060	U	0.0016	0.0060	0.012	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0060	U	0.0015	0.0060	0.012	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0060	U	0.0022	0.0060	0.012	mg/Kg
142-28-9	1,3-Dichloropropane	0.0060	U	0.0016	0.0060	0.012	mg/Kg
591-78-6	2-Hexanone	0.030	U	0.0088	0.030	0.060	mg/Kg
124-48-1	Dibromochloromethane	0.0060	U	0.0021	0.0060	0.012	mg/Kg
106-93-4	1,2-Dibromoethane	0.0060	U	0.0021	0.0060	0.012	mg/Kg
127-18-4	Tetrachloroethene	0.0060	U	0.0025	0.0060	0.012	mg/Kg
108-90-7	Chlorobenzene	0.0060	U	0.0022	0.0060	0.012	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0060	U	0.0018	0.0060	0.012	mg/Kg
100-41-4	Ethyl Benzene	0.0060	U	0.0016	0.0060	0.012	mg/Kg
179601-23-1	m/p-Xylenes	0.012	U	0.0030	0.012	0.024	mg/Kg
1330-20-7	Total Xylenes	0.018	U	0.0050	0.018	0.036	mg/Kg
95-47-6	o-Xylene	0.0060	U	0.0020	0.0060	0.012	mg/Kg
100-42-5	Styrene	0.0060	U	0.0017	0.0060	0.012	mg/Kg
75-25-2	Bromoform	0.0060	U	0.0021	0.0060	0.012	mg/Kg
98-82-8	Isopropylbenzene	0.0060	U	0.0019	0.0060	0.012	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0060	U	0.0029	0.0060	0.012	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0095	U	0.0030	0.0095	0.012	mg/Kg
108-86-1	Bromobenzene	0.0060	U	0.0029	0.0060	0.012	mg/Kg
103-65-1	n-propylbenzene	0.0060	U	0.0017	0.0060	0.012	mg/Kg
95-49-8	2-Chlorotoluene	0.0060	U	0.0016	0.0060	0.012	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0060	U	0.0020	0.0060	0.012	mg/Kg
106-43-4	4-Chlorotoluene	0.0060	U	0.0029	0.0060	0.012	mg/Kg
98-06-6	tert-Butylbenzene	0.0060	U	0.0016	0.0060	0.012	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0060	U	0.0015	0.0060	0.012	mg/Kg
135-98-8	sec-Butylbenzene	0.0060	U	0.0016	0.0060	0.012	mg/Kg
99-87-6	p-Isopropyltoluene	0.0060	U	0.0015	0.0060	0.012	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0060	U	0.0041	0.0060	0.012	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0060	U	0.0037	0.0060	0.012	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.29 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031982.D	1	08/01/25 13:47	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0060	U	0.0035	0.0060	0.012	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0060	U	0.0035	0.0060	0.012	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0095	U	0.0044	0.0095	0.012	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0095	U	0.0071	0.0095	0.012	mg/Kg
87-68-3	Hexachlorobutadiene	0.0060	U	0.0045	0.0060	0.012	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0095	U	0.0076	0.0095	0.012	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0060	U	0.0025	0.0060	0.012	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		71 - 136		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	46.1		85 - 116		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.5	*	79 - 119		61%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.965				
540-36-3	1,4-Difluorobenzene	352000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	96000	13.556				

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

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

Sample Results: **VW031982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031982.D
Acq On : 01 Aug 2025 13:47
Operator : SY/MD
Sample : Q2747-09
Misc : 3.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 01 23:13:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	164473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	352062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	286269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	96002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123320	49.565	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.120%		
35) Dibromofluoromethane	7.898	113	116488	48.693	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	97.380%		
50) Toluene-d8	10.325	98	417750	46.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.280%		
62) 4-Bromofluorobenzene	12.617	95	106188	30.543	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	61.080%		

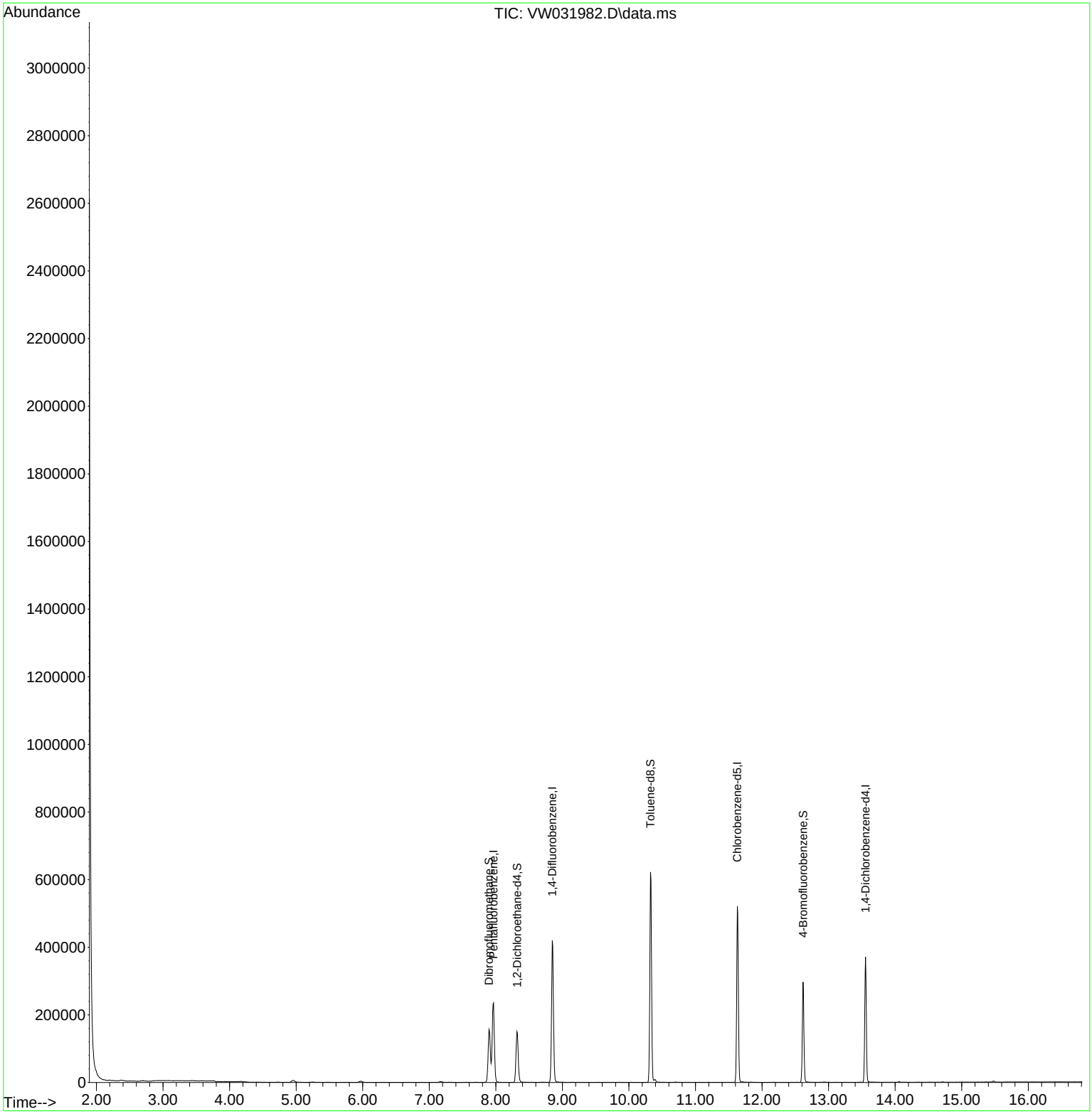
Target Compounds Qvalue

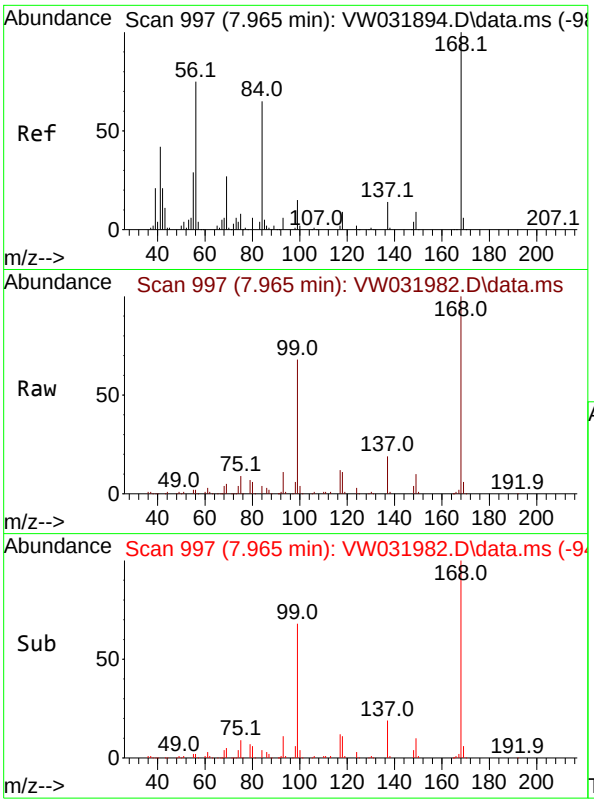
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031982.D
Acq On : 01 Aug 2025 13:47
Operator : SY/MD
Sample : Q2747-09
Misc : 3.29g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 01 23:13:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



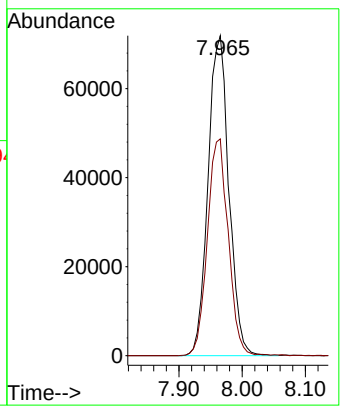


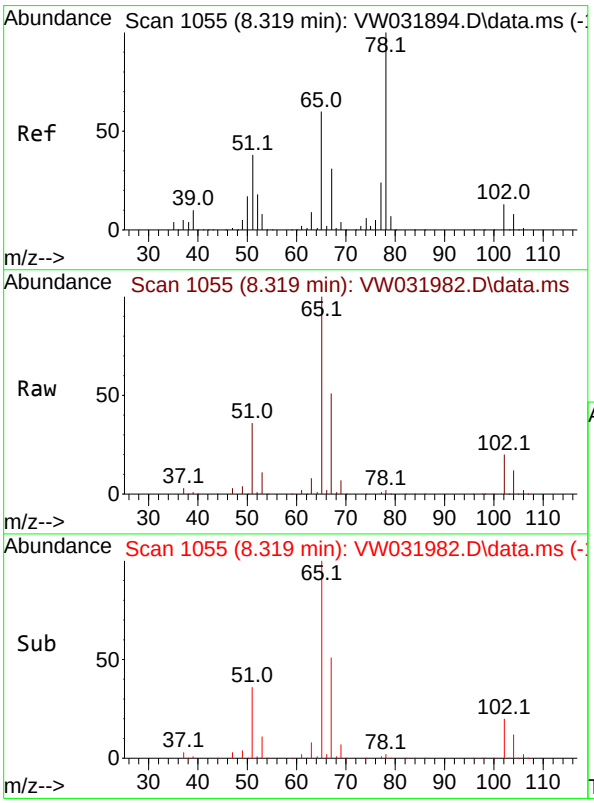
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:168 Resp: 164473

Ion	Ratio	Lower	Upper
168	100		
99	67.8	48.2	72.2

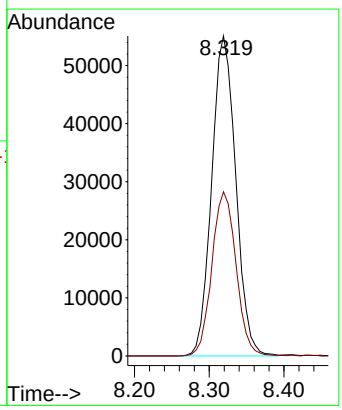


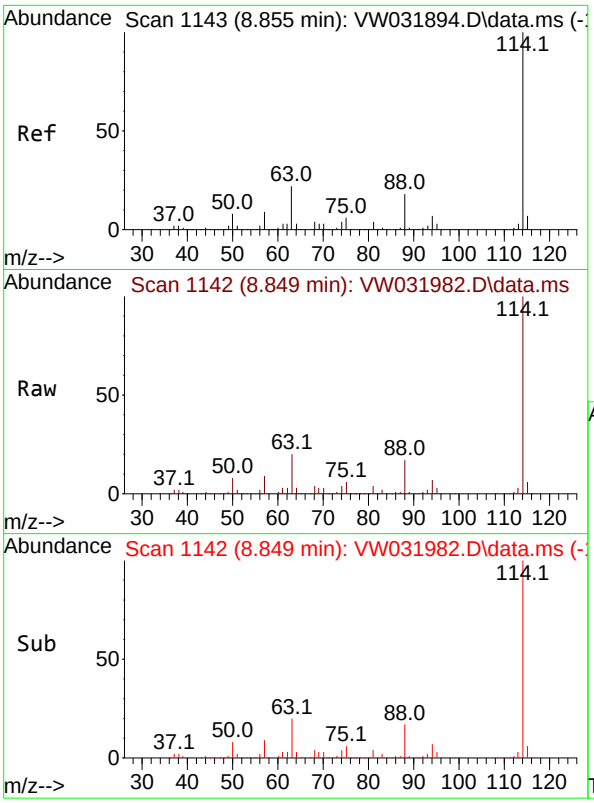


#33
1,2-Dichloroethane-d4
Concen: 49.565 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 65 Resp: 123320

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.4



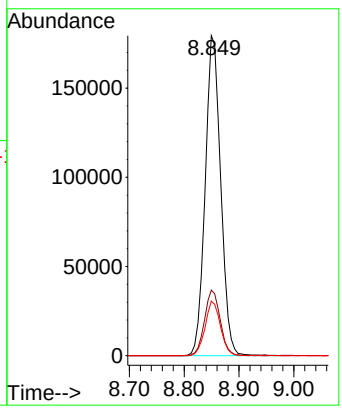


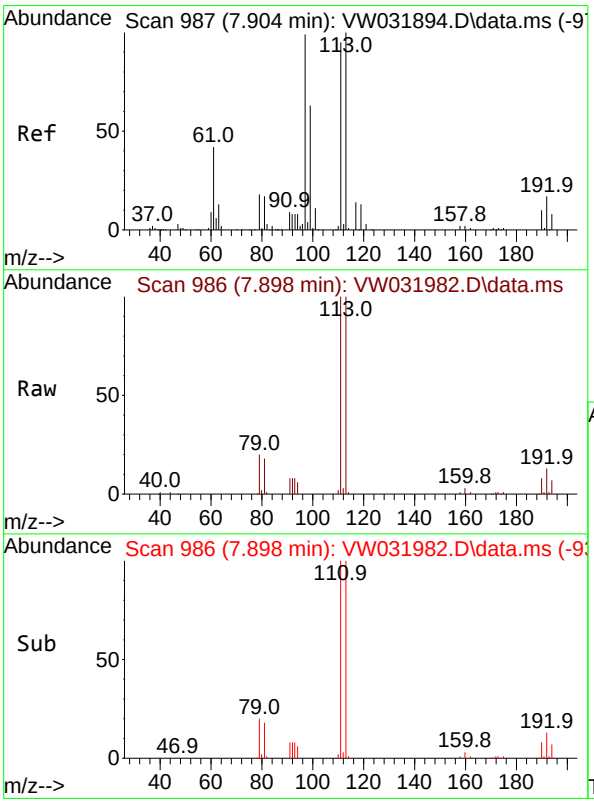
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:114 Resp: 352062

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	17.1	0.0	35.6

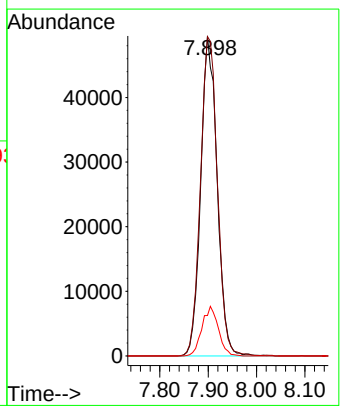


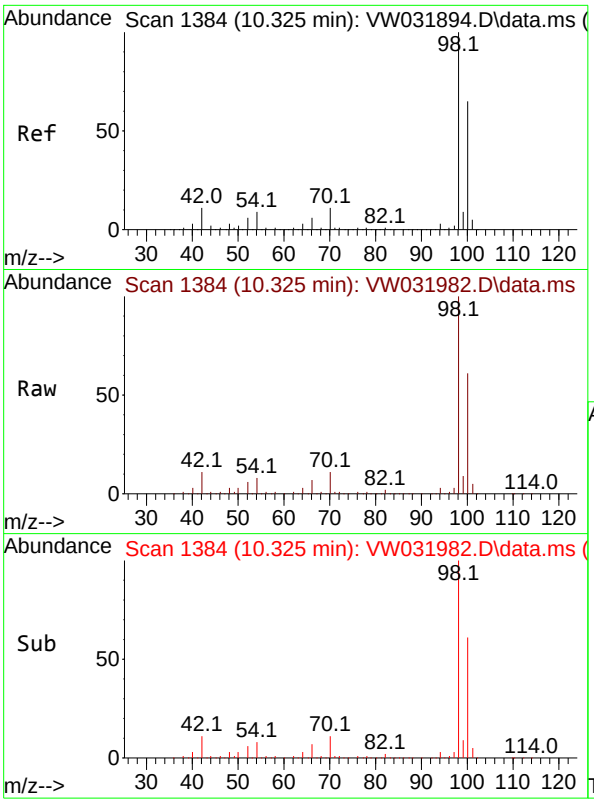


#35
Dibromofluoromethane
Concen: 48.693 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion:113 Resp: 116488

Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.9	119.9
192	15.6	12.6	19.0



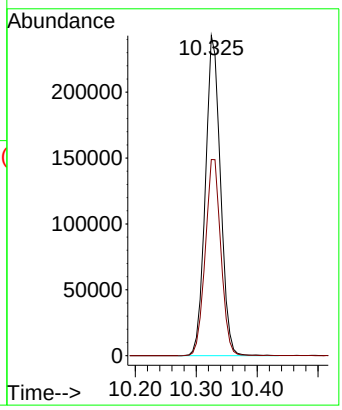


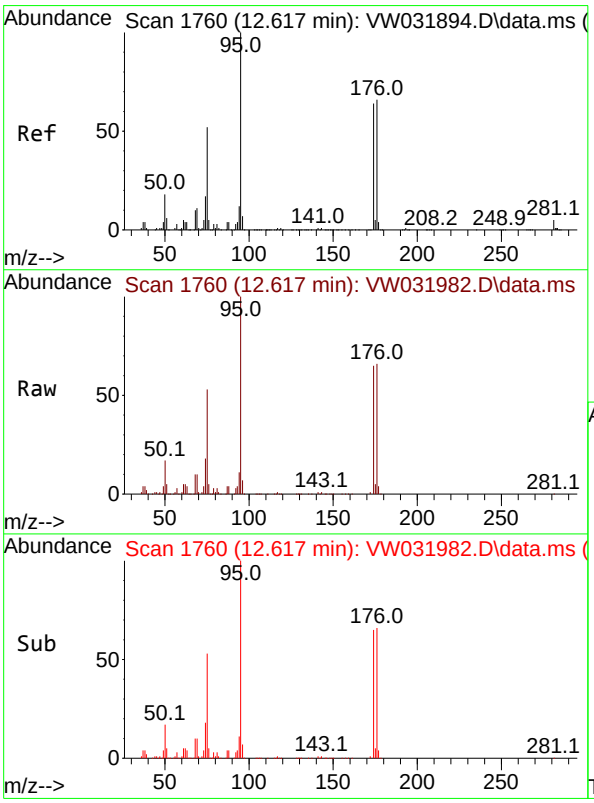
#50
Toluene-d8
Concen: 46.139 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion: 98 Resp: 417750

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5

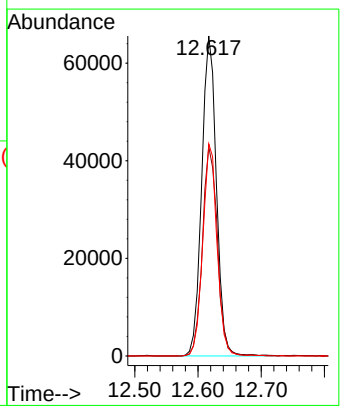


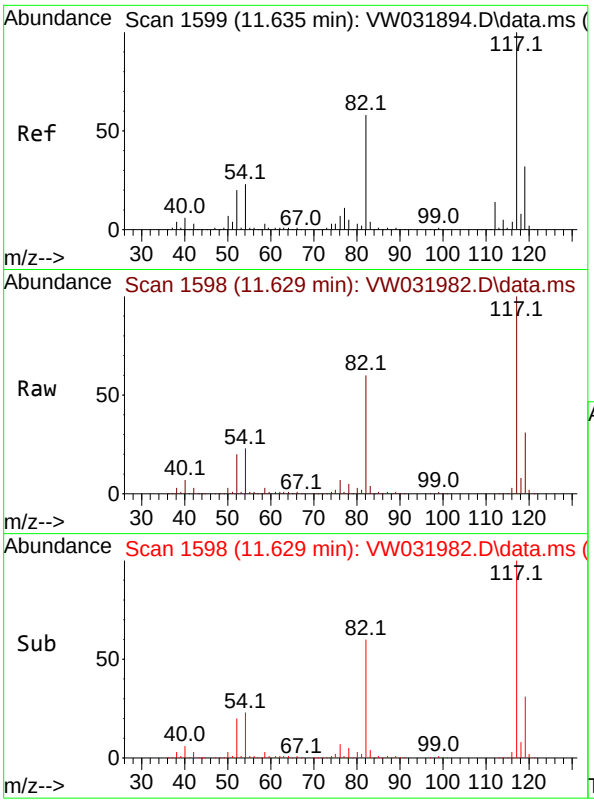


#62
4-Bromofluorobenzene
Concen: 30.543 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 95 Resp: 106188

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	129.8
176	64.6	0.0	130.4



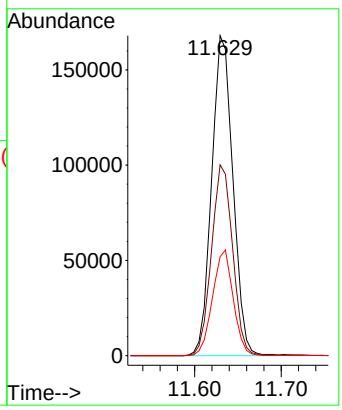


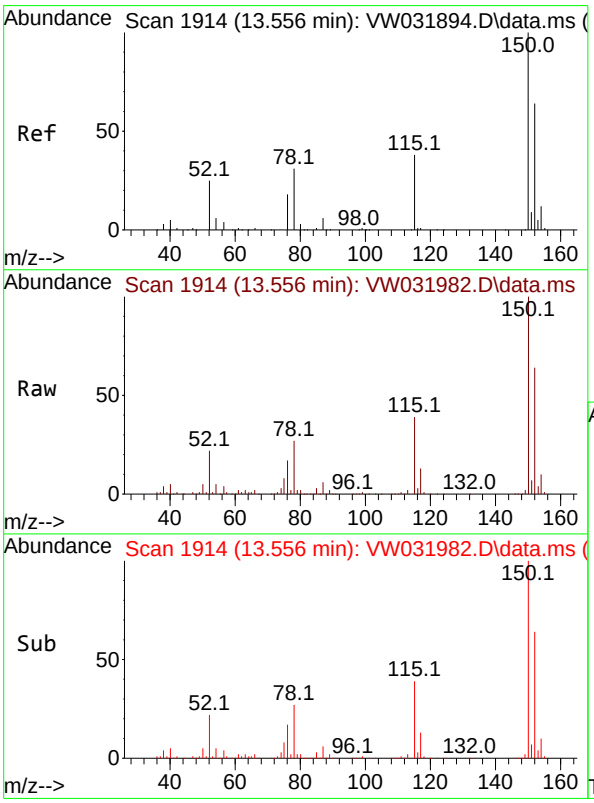
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:117 Resp: 286269

Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.5	69.7
119	30.9	25.8	38.6

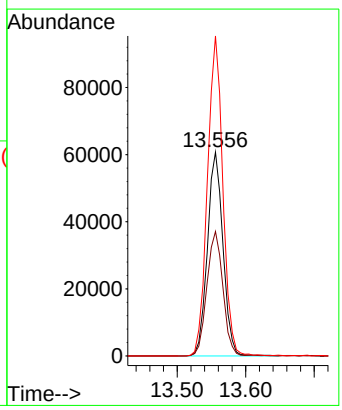




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion:152 Resp: 96002

Ion	Ratio	Lower	Upper
152	100		
115	62.6	33.4	100.1
150	155.1	0.0	352.2



Raw Data: **VW031995.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-09RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031995.D	1	08/04/25 12:50	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.010	U	0.0028	0.010	0.013	mg/Kg
74-87-3	Chloromethane	0.0062	U	0.0028	0.0062	0.013	mg/Kg
75-01-4	Vinyl Chloride	0.0062	U	0.0020	0.0062	0.013	mg/Kg
74-83-9	Bromomethane	0.010	U	0.0027	0.010	0.013	mg/Kg
75-00-3	Chloroethane	0.0062	U	0.0031	0.0062	0.013	mg/Kg
109-99-9	Tetrahydrofuran	0.031	U	0.012	0.031	0.062	mg/Kg
75-69-4	Trichlorofluoromethane	0.010	U	0.0030	0.010	0.013	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0062	U	0.0026	0.0062	0.013	mg/Kg
75-35-4	1,1-Dichloroethene	0.0062	U	0.0025	0.0062	0.013	mg/Kg
107-13-1	Acrylonitrile	0.031	U	0.012	0.031	0.062	mg/Kg
67-64-1	Acetone	0.050	U	0.012	0.050	0.062	mg/Kg
75-15-0	Carbon Disulfide	0.010	U	0.0026	0.010	0.013	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0062	U	0.0018	0.0062	0.013	mg/Kg
75-09-2	Methylene Chloride	0.020	U	0.0088	0.020	0.025	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0062	U	0.0021	0.0062	0.013	mg/Kg
75-34-3	1,1-Dichloroethane	0.0062	U	0.0020	0.0062	0.013	mg/Kg
78-93-3	2-Butanone	0.050	U	0.016	0.050	0.062	mg/Kg
56-23-5	Carbon Tetrachloride	0.0062	U	0.0024	0.0062	0.013	mg/Kg
594-20-7	2,2-Dichloropropane	0.010	U	0.0032	0.010	0.013	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0062	U	0.0019	0.0062	0.013	mg/Kg
67-66-3	Chloroform	0.010	U	0.0021	0.010	0.013	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0062	U	0.0023	0.0062	0.013	mg/Kg
563-58-6	1,1-Dichloropropene	0.0062	U	0.0022	0.0062	0.013	mg/Kg
71-43-2	Benzene	0.0062	U	0.0020	0.0062	0.013	mg/Kg
107-06-2	1,2-Dichloroethane	0.0062	U	0.0020	0.0062	0.013	mg/Kg
79-01-6	Trichloroethene	0.0062	U	0.0020	0.0062	0.013	mg/Kg
78-87-5	1,2-Dichloropropane	0.0062	U	0.0023	0.0062	0.013	mg/Kg
74-95-3	Dibromomethane	0.0062	U	0.0022	0.0062	0.013	mg/Kg
75-27-4	Bromodichloromethane	0.0062	U	0.0019	0.0062	0.013	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.031	U	0.0089	0.031	0.062	mg/Kg

Raw Data: **VW031995.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-09RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031995.D	1	08/04/25 12:50	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0062	U	0.0019	0.0062	0.013	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0062	U	0.0016	0.0062	0.013	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0062	U	0.0015	0.0062	0.013	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0062	U	0.0023	0.0062	0.013	mg/Kg
142-28-9	1,3-Dichloropropane	0.0062	U	0.0017	0.0062	0.013	mg/Kg
591-78-6	2-Hexanone	0.031	U	0.0092	0.031	0.062	mg/Kg
124-48-1	Dibromochloromethane	0.0062	U	0.0022	0.0062	0.013	mg/Kg
106-93-4	1,2-Dibromoethane	0.0062	U	0.0022	0.0062	0.013	mg/Kg
127-18-4	Tetrachloroethene	0.0062	U	0.0026	0.0062	0.013	mg/Kg
108-90-7	Chlorobenzene	0.0062	U	0.0023	0.0062	0.013	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0062	U	0.0019	0.0062	0.013	mg/Kg
100-41-4	Ethyl Benzene	0.0062	U	0.0017	0.0062	0.013	mg/Kg
179601-23-1	m/p-Xylenes	0.013	U	0.0031	0.013	0.025	mg/Kg
1330-20-7	Total Xylenes	0.019	U	0.0051	0.019	0.037	mg/Kg
95-47-6	o-Xylene	0.0062	U	0.0020	0.0062	0.013	mg/Kg
100-42-5	Styrene	0.0062	U	0.0018	0.0062	0.013	mg/Kg
75-25-2	Bromoform	0.0062	U	0.0021	0.0062	0.013	mg/Kg
98-82-8	Isopropylbenzene	0.0062	U	0.0019	0.0062	0.013	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0062	U	0.0030	0.0062	0.013	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.010	U	0.0031	0.010	0.013	mg/Kg
108-86-1	Bromobenzene	0.0062	U	0.0030	0.0062	0.013	mg/Kg
103-65-1	n-propylbenzene	0.0062	U	0.0018	0.0062	0.013	mg/Kg
95-49-8	2-Chlorotoluene	0.0062	U	0.0017	0.0062	0.013	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0062	U	0.0020	0.0062	0.013	mg/Kg
106-43-4	4-Chlorotoluene	0.0062	U	0.0030	0.0062	0.013	mg/Kg
98-06-6	tert-Butylbenzene	0.0062	U	0.0017	0.0062	0.013	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0062	U	0.0016	0.0062	0.013	mg/Kg
135-98-8	sec-Butylbenzene	0.0062	U	0.0016	0.0062	0.013	mg/Kg
99-87-6	p-Isopropyltoluene	0.0062	U	0.0015	0.0062	0.013	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0062	U	0.0043	0.0062	0.013	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0062	U	0.0039	0.0062	0.013	mg/Kg

Raw Data: **VW031995.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125RE	SDG No.:	Q2747
Lab Sample ID:	Q2747-09RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	63.7
Sample Wt/Vol:	3.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031995.D	1	08/04/25 12:50	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0062	U	0.0036	0.0062	0.013	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0062	U	0.0036	0.0062	0.013	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.0046	0.010	0.013	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.010	U	0.0074	0.010	0.013	mg/Kg
87-68-3	Hexachlorobutadiene	0.0062	U	0.0047	0.0062	0.013	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.010	U	0.0079	0.010	0.013	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0062	U	0.0026	0.0062	0.013	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	46.4		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.6	*	79 - 119		65%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	7.959				
540-36-3	1,4-Difluorobenzene	361000	8.849				
3114-55-4	Chlorobenzene-d5	301000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.556				

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

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

Sample Results: **VW031995.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031995.D
Acq On : 04 Aug 2025 12:50
Operator : SY/MD
Sample : Q2747-09RE
Misc : 3.15g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Quant Time: Aug 05 01:18:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	170532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129306	50.124	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.240%			
35) Dibromofluoromethane	7.904	113	120157	48.963	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.920%			
50) Toluene-d8	10.325	98	430665	46.369	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.740%			
62) 4-Bromofluorobenzene	12.617	95	116131	32.563	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 65.120%			

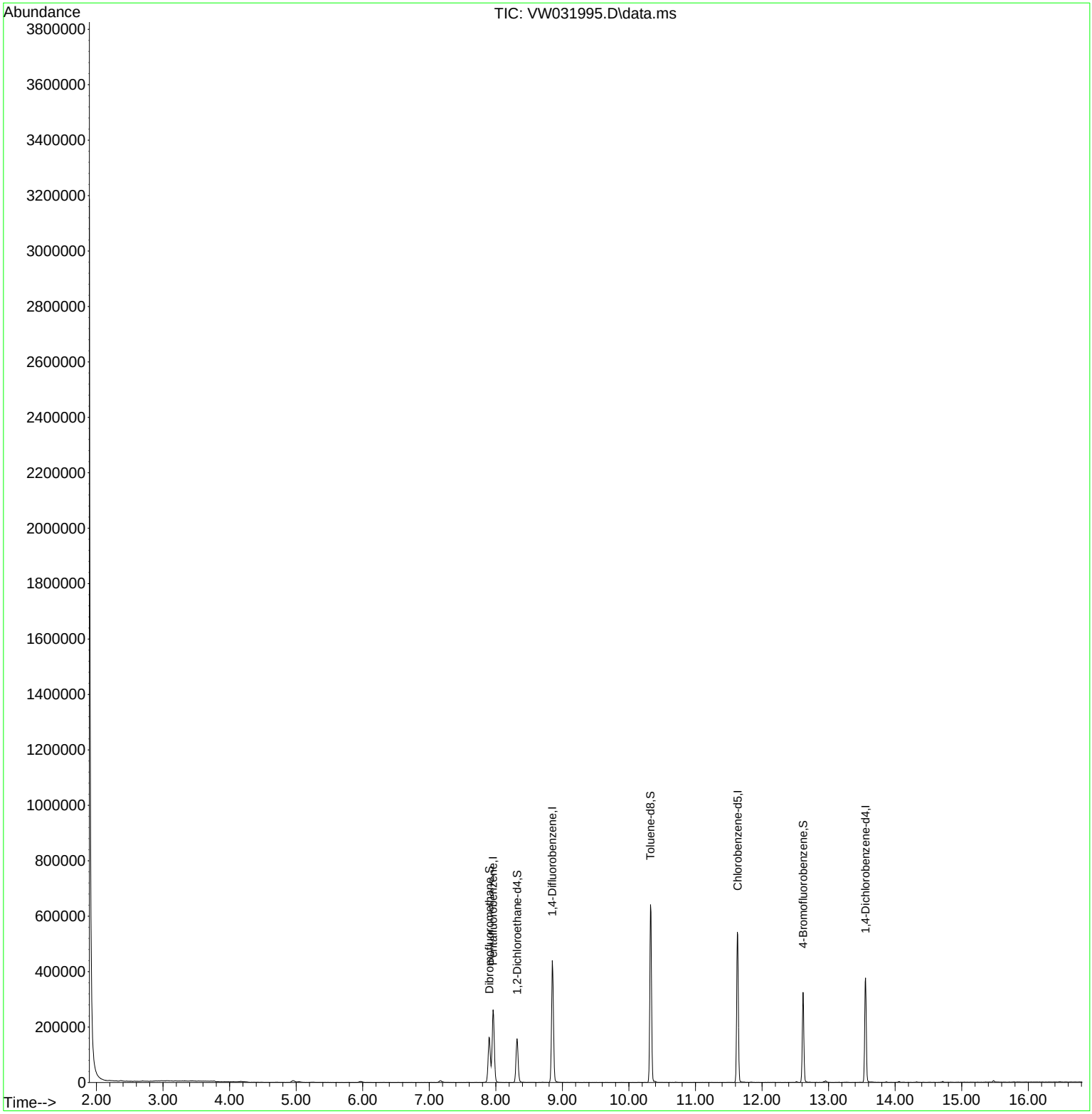
Target Compounds Qvalue

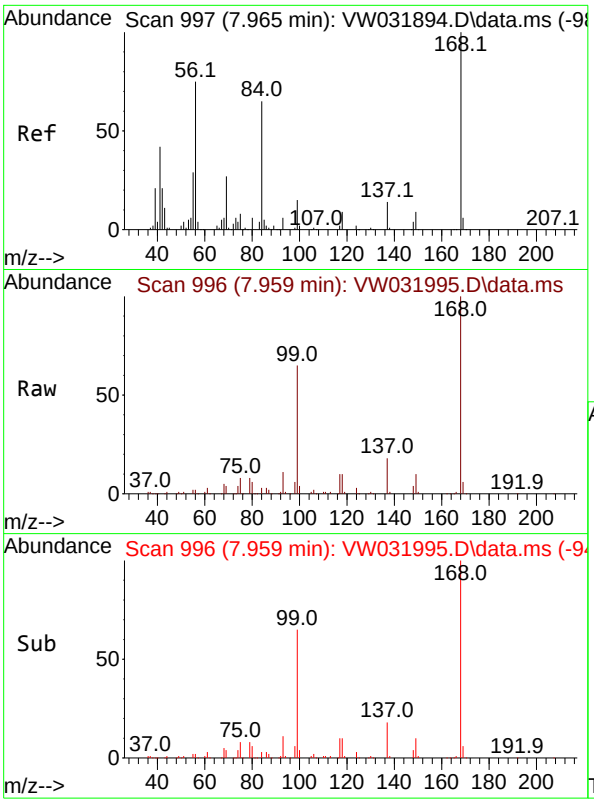
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031995.D
Acq On : 04 Aug 2025 12:50
Operator : SY/MD
Sample : Q2747-09RE
Misc : 3.15g/5mL/MSVOA_W/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Quant Time: Aug 05 01:18:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



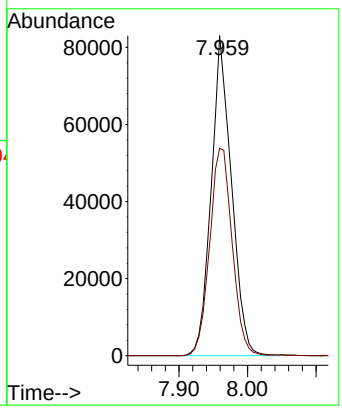


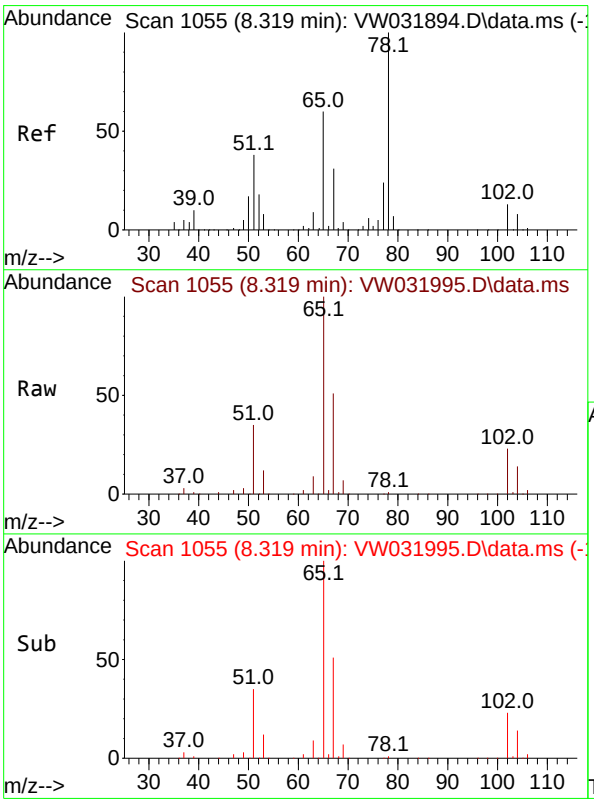
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion:168 Resp: 170532

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.2

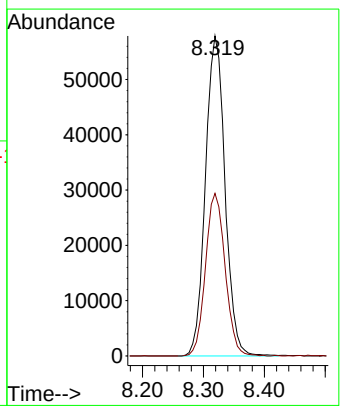


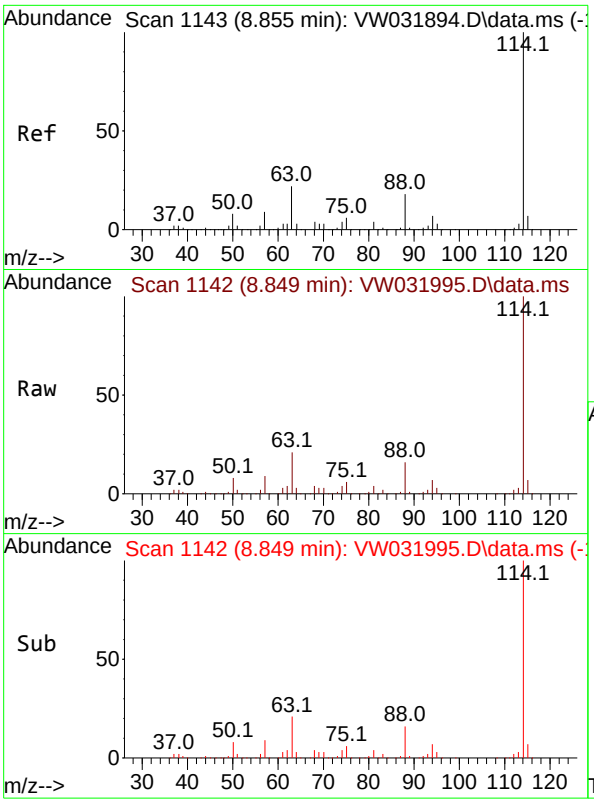


#33
1,2-Dichloroethane-d4
Concen: 50.124 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 65 Resp: 129306

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.4



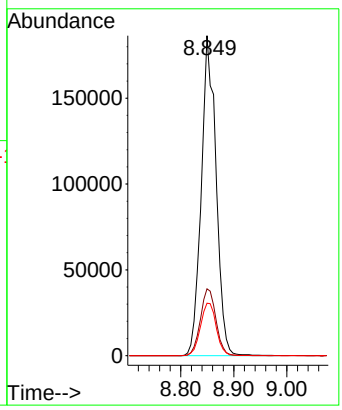


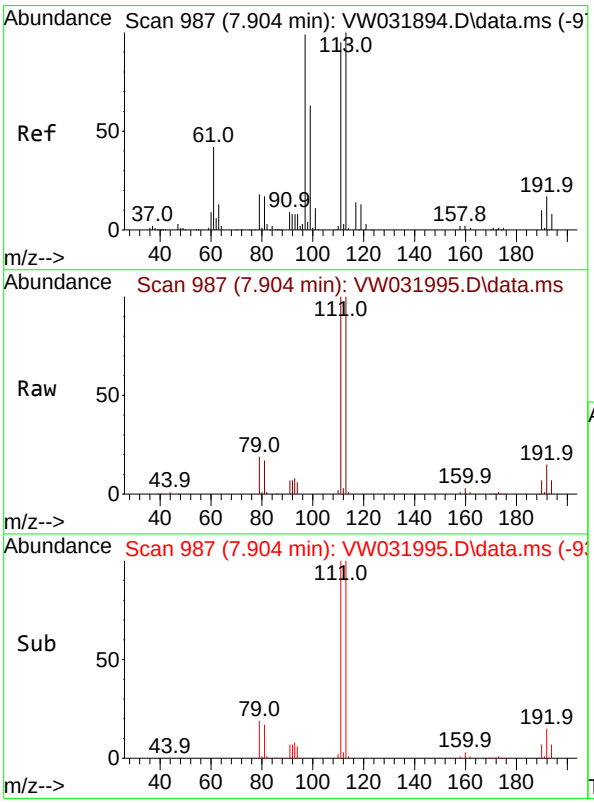
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion:114 Resp: 361147

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.2
88	16.4	0.0	35.6

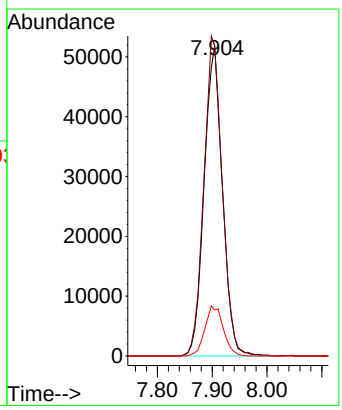


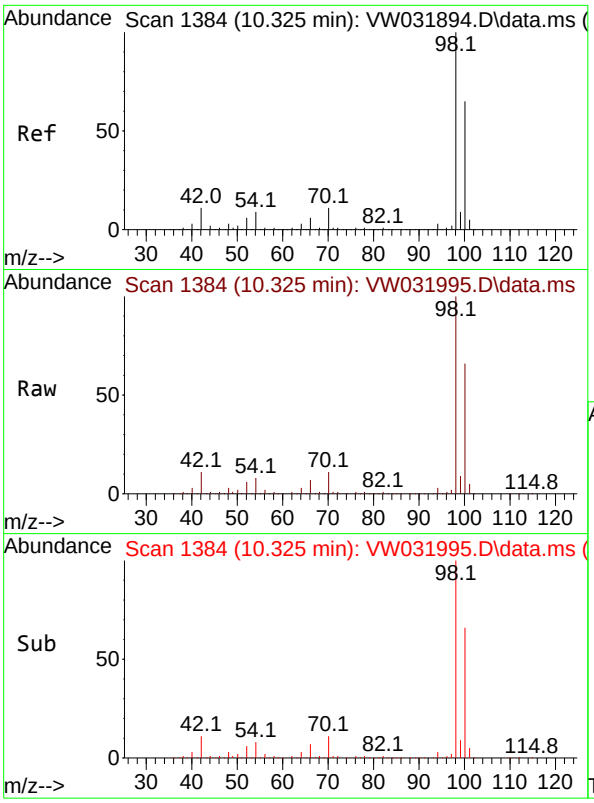


#35
Dibromofluoromethane
Concen: 48.963 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:113 Resp: 120157

Ion	Ratio	Lower	Upper
113	100		
111	103.6	79.9	119.9
192	16.2	12.6	19.0



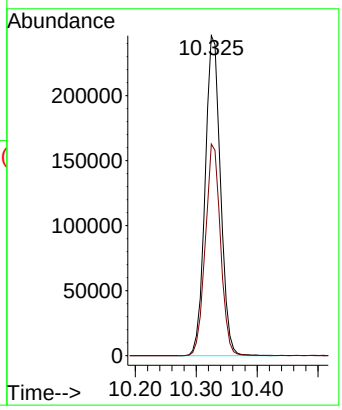


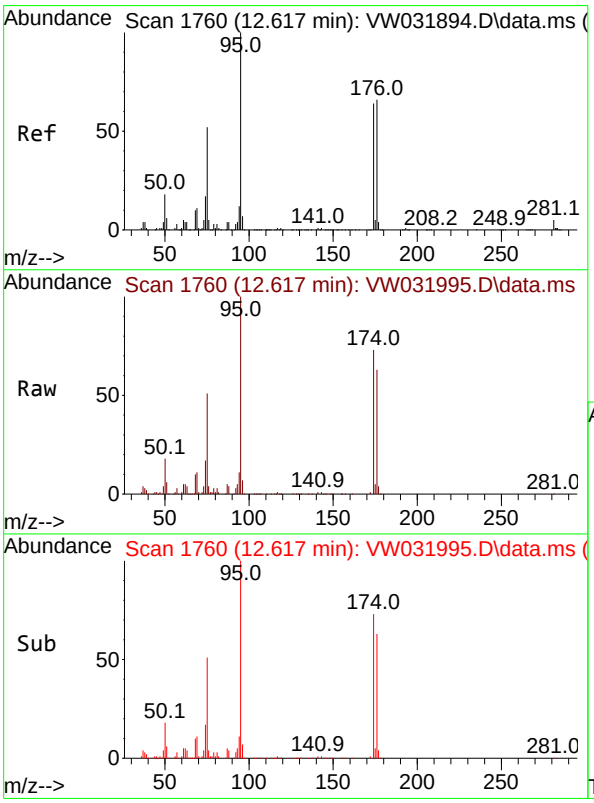
#50
Toluene-d8
Concen: 46.369 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion: 98 Resp: 430665

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5

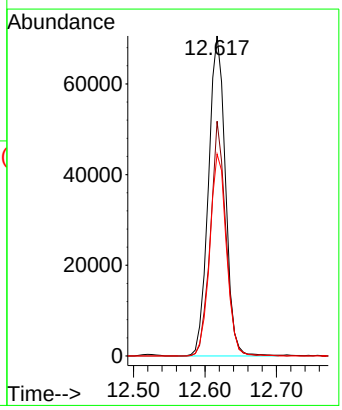


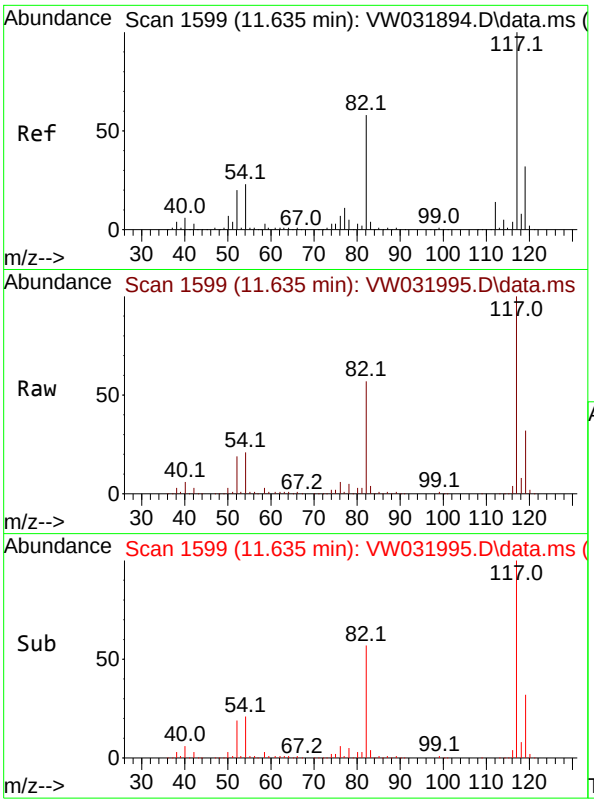


#62
4-Bromofluorobenzene
Concen: 32.563 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 95 Resp: 116131

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	129.8
176	62.2	0.0	130.4



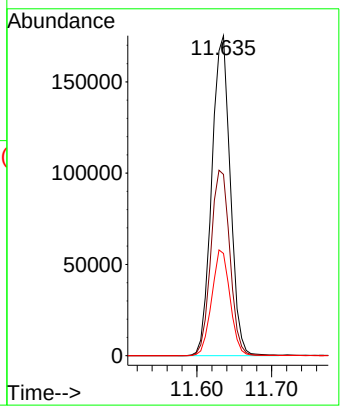


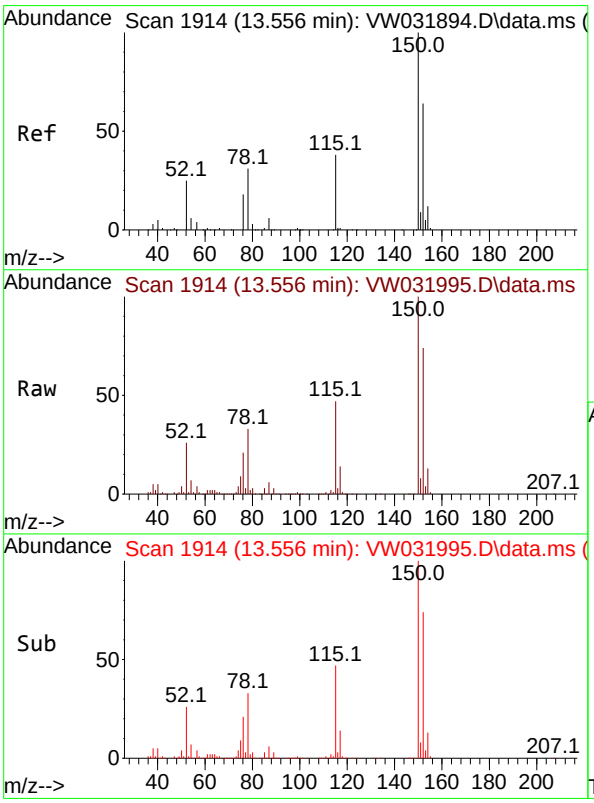
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

Tgt Ion:117 Resp: 301306

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.5	69.7
119	32.0	25.8	38.6

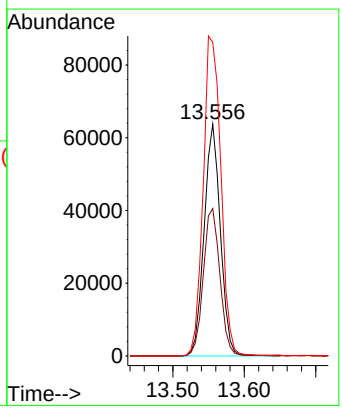




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:152 Resp: 100656

Ion	Ratio	Lower	Upper
152	100		
115	65.2	33.4	100.1
150	150.0	0.0	352.2



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2747

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

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

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.4
Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.2
Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.3
Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5
Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.2
Tetrahydrofuran	0.172	0.143	0.170	0.159	0.172	0.149	0.161	7.8
Trichlorofluoromethane	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.6
1,1,2-Trichlorotrifluoroethane	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.8
1,1-Dichloroethene	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.7
Acrylonitrile	0.203	0.170	0.194	0.182	0.196	0.180	0.187	6.6
Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.3
Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.4
Methyl tert-butyl Ether	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.9
Methylene Chloride	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.1
trans-1,2-Dichloroethene	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.4
1,1-Dichloroethane	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.2
2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.7
Carbon Tetrachloride	0.489	0.498	0.502	0.493	0.517	0.506	0.501	2
2,2-Dichloropropane	0.814	0.704	0.696	0.738	0.700	0.740	0.732	6.1
cis-1,2-Dichloroethene	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.6
Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.1
1,1,1-Trichloroethane	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4
1,1-Dichloropropene	0.529	0.531	0.520	0.509	0.527	0.514	0.522	1.7
Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.5
1,2-Dichloroethane	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.7
Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.8
1,2-Dichloropropane	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.1
Dibromomethane	0.233	0.226	0.241	0.226	0.236	0.221	0.231	3.2
Bromodichloromethane	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.2
4-Methyl-2-Pentanone	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.1

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2747

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

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

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.9
t-1,3-Dichloropropene	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.7
cis-1,3-Dichloropropene	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.9
1,1,2-Trichloroethane	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.3
1,3-Dichloropropane	0.538	0.525	0.564	0.533	0.565	0.513	0.540	3.9
2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.1
Dibromochloromethane	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.5
1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.2
Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.9
Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	2
1,1,1,2-Tetrachloroethane	0.379	0.366	0.394	0.377	0.377	0.383	0.379	2.4
Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.2
m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.7
o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.1
Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.1
Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.1
Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.8
1,1,2,2-Tetrachloroethane	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.7
1,2,3-Trichloropropane	0.728	0.641	0.704	0.690	0.735	0.643	0.690	5.9
Bromobenzene	0.924	0.906	0.982	0.909	0.974	0.938	0.939	3.5
n-propylbenzene	5.336	5.173	5.267	5.332	5.578	5.284	5.328	2.5
2-Chlorotoluene	3.196	3.091	3.176	3.131	3.307	3.187	3.181	2.3
1,3,5-Trimethylbenzene	3.536	3.502	3.620	3.593	3.923	3.657	3.638	4.1
4-Chlorotoluene	3.414	3.360	3.311	3.278	3.384	3.277	3.337	1.7
tert-Butylbenzene	3.105	2.985	3.028	3.080	3.325	3.074	3.099	3.8
1,2,4-Trimethylbenzene	3.699	3.640	3.651	3.685	3.788	3.634	3.683	1.6
sec-Butylbenzene	4.715	4.590	4.604	4.619	4.748	4.651	4.654	1.4
p-Isopropyltoluene	3.892	3.746	3.759	3.842	4.056	3.788	3.847	3
1,3-Dichlorobenzene	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.9
1,4-Dichlorobenzene	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.1

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2747

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

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

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	3.842	3.598	3.663	3.827	3.966	3.747	3.774	3.5
1,2-Dichlorobenzene	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.9
1,2-Dibromo-3-Chloropropane	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.5
1,2,4-Trichlorobenzene	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.9
Hexachlorobutadiene	0.524	0.459	0.486	0.489	0.525	0.486	0.495	5.1
1,2,3-Trichlorobenzene	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.7
1,2-Dichloroethane-d4	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.2
Dibromofluoromethane	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.3
Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.5
4-Bromofluorobenzene	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.2
trans-1,4-Dichloro-2-butene	0.275	0.256	0.301	0.300	0.349	0.313	0.299	10.7

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

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025
Response Via : Initial Calibration

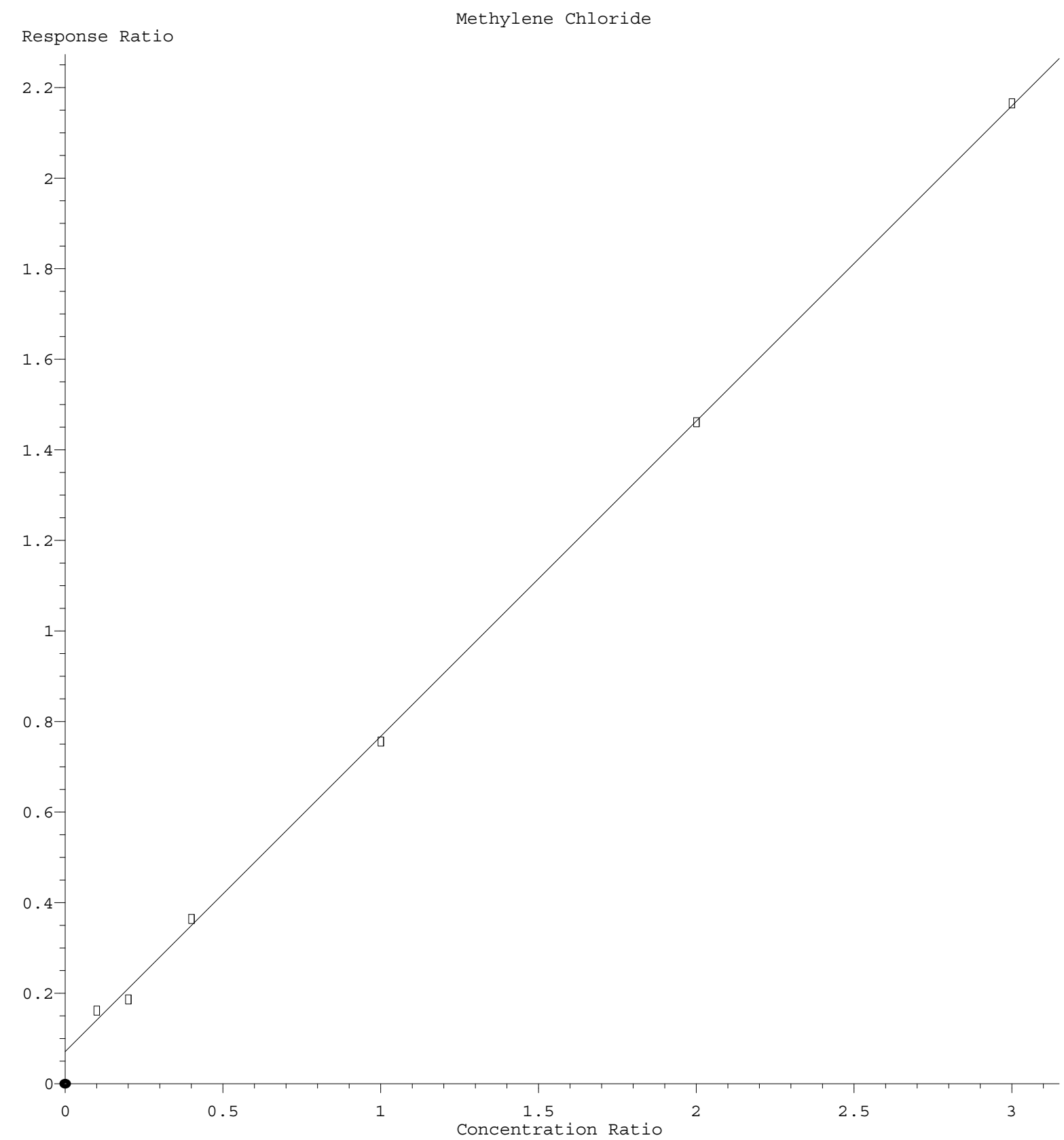
Calibration Files
5 =VW031891.D 10 =VW031892.D 20 =VW031893.D 50 =VW031894.D 100 =VW031895.D 150 =VW031896.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.40
3)	P	Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.24
4)	C	Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.35#
5)	T	Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5.04
6)	T	Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.19
7)	T	Trichlorofluor...	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.55
8)	T	Diethyl Ether	0.516	0.383	0.430	0.389	0.401	0.396	0.419	11.97
9)	T	1,1,2-Trichlor...	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.82
10)	T	Methyl Iodide	0.971	0.881	0.901	0.865	0.896	0.900	0.902	4.03
11)	T	Tert butyl alc...	0.048	0.039	0.047	0.044	0.049	0.041	0.044	8.99
12)	CM	1,1-Dichloroet...	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.73#
13)	T	Acrolein	0.085	0.070	0.074	0.053	0.057	0.050	0.065	21.29
14)	T	Allyl chloride	1.090	0.989	1.032	1.011	1.041	1.064	1.038	3.52
15)	T	Acrylonitrile	0.203	0.170	0.194	0.182	0.196	0.180	0.187	6.57
16)	T	Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.34
17)	T	Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.36
18)	T	Methyl Acetate	0.528	0.427	0.529	0.475	0.527	0.481	0.494	8.36
19)	T	Methyl tert-bu...	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.86
20)	T	Methylene Chlo...	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.15
21)	T	trans-1,2-Dich...	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.38
22)	T	Diisopropyl ether	2.209	1.963	2.111	2.067	2.076	2.035	2.077	3.93
23)	T	Vinyl Acetate	1.403	1.230	1.372	1.355	1.438	1.343	1.357	5.25
24)	P	1,1-Dichloroet...	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.20
25)	T	2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.69
26)	T	2,2-Dichloropr...	0.814	0.704	0.696	0.738	0.700	0.740	0.732	6.07
27)	T	cis-1,2-Dichlo...	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.55
28)	T	Bromochloromet...	0.585	0.520	0.546	0.526	0.542	0.531	0.541	4.32
29)	T	Tetrahydrofuran	0.172	0.143	0.170	0.159	0.172	0.149	0.161	7.80
30)	C	Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.11#
31)	T	Cyclohexane	1.399	1.176	1.078	1.099	1.100	1.107	1.160	10.50
32)	T	1,1,1-Trichlor...	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4.02
33)	S	1,2-Dichloroet...	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.23
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.29
36)	T	1,1-Dichloropr...	0.529	0.531	0.520	0.509	0.527	0.514	0.522	1.73
37)	T	Ethyl Acetate	0.309	0.280	0.303	0.295	0.318	0.280	0.298	5.25
38)	T	Carbon Tetrach...	0.489	0.498	0.502	0.493	0.517	0.506	0.501	1.97
39)	T	Methylcyclohexane	0.655	0.643	0.637	0.657	0.690	0.659	0.657	2.80
40)	TM	Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.46
41)	T	Methacrylonitrile	0.179	0.179	0.177	0.179	0.188	0.166	0.178	3.94
42)	TM	1,2-Dichloroet...	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.74
43)	T	Isopropyl Acetate	0.544	0.491	0.556	0.531	0.589	0.523	0.539	6.14
44)	TM	Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.83
45)	C	1,2-Dichloropr...	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.06#
46)	T	Dibromomethane	0.233	0.226	0.241	0.226	0.236	0.221	0.231	3.25
47)	T	Bromodichlorom...	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.22
48)	T	Methyl methacr...	0.244	0.229	0.272	0.256	0.281	0.255	0.256	7.27
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.003	0.003	0.002	0.002	13.34
50)	S	Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.48
51)	T	4-Methyl-2-Pen...	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.10
52)	CM	Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.91#
53)	T	t-1,3-Dichloro...	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.71
54)	T	cis-1,3-Dichlo...	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.87
55)	T	1,1,2-Trichlor...	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.35
56)	T	Ethyl methacry...	0.397	0.388	0.443	0.442	0.487	0.439	0.433	8.31

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M

57)	T	1,3-Dichloropr...	0.538	0.525	0.564	0.533	0.565	0.513	0.540	3.86
58)	T	2-Chloroethyl ...	0.209	0.205	0.228	0.223	0.244	0.223	0.222	6.26
59)	T	2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.09
60)	T	Dibromochlorom...	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.52
61)	T	1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.20
62)	S	4-Bromofluorob...	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.91
65)	PM	Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	1.97
66)	T	1,1,1,2-Tetrac...	0.379	0.366	0.394	0.377	0.377	0.383	0.379	2.40
67)	C	Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.16#
68)	T	m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.68
69)	T	o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.08
70)	T	Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.12
71)	P	Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.78
74)	T	N-amyl acetate	1.138	1.029	1.188	1.193	1.319	1.171	1.173	7.98
75)	P	1,1,2,2-Tetrac...	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.73
76)	T	1,2,3-Trichlor...	0.728	0.641	0.704	0.690	0.735	0.643	0.690	5.90
77)	T	Bromobenzene	0.924	0.906	0.982	0.909	0.974	0.938	0.939	3.45
78)	T	n-propylbenzene	5.336	5.173	5.267	5.332	5.578	5.284	5.328	2.55
79)	T	2-Chlorotoluene	3.196	3.091	3.176	3.131	3.306	3.187	3.181	2.29
80)	T	1,3,5-Trimethy...	3.536	3.502	3.620	3.593	3.923	3.657	3.638	4.13
81)	T	trans-1,4-Dich...	0.275	0.256	0.301	0.300	0.349	0.313	0.299	10.67
82)	T	4-Chlorotoluene	3.414	3.360	3.311	3.278	3.384	3.277	3.337	1.72
83)	T	tert-Butylbenzene	3.105	2.985	3.028	3.080	3.325	3.074	3.099	3.82
84)	T	1,2,4-Trimethy...	3.699	3.640	3.651	3.685	3.787	3.634	3.683	1.56
85)	T	sec-Butylbenzene	4.715	4.590	4.604	4.619	4.748	4.651	4.654	1.38
86)	T	p-Isopropyltol...	3.892	3.746	3.759	3.842	4.056	3.788	3.847	3.02
87)	T	1,3-Dichlorobe...	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.94
88)	T	1,4-Dichlorobe...	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.13
89)	T	n-Butylbenzene	3.842	3.598	3.663	3.827	3.966	3.747	3.774	3.53
90)	T	Hexachloroethane	0.686	0.600	0.648	0.643	0.713	0.701	0.665	6.35
91)	T	1,2-Dichlorobe...	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.94
92)	T	1,2-Dibromo-3-...	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.54
93)	T	1,2,4-Trichlor...	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.92
94)	T	Hexachlorobuta...	0.524	0.459	0.486	0.489	0.525	0.486	0.495	5.14
95)	T	Naphthalene	2.581	2.257	2.534	2.535	2.913	2.584	2.567	8.14
96)	T	1,2,3-Trichlor...	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.73

(#) = Out of Range



Response = 6.962e-001 * Amt + 7.147e-002
Coef of Det (r^2) = 0.999576 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	228235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	449234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	20528	5.946	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	11.900%#		
35) Dibromofluoromethane	7.904	113	16097	5.273	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.540%#		
50) Toluene-d8	10.325	98	62567	5.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.840%#		
62) 4-Bromofluorobenzene	12.617	95	24327	5.484	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.960%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	9741	5.742	ug/l	97
3) Chloromethane	2.265	50	12168	5.589	ug/l	95
4) Vinyl Chloride	2.412	62	14484	5.121	ug/l	98
5) Bromomethane	2.832	94	11418	5.482	ug/l	98
6) Chloroethane	2.985	64	10231	5.481	ug/l	95
7) Trichlorofluoromethane	3.320	101	15281	5.334	ug/l	96
8) Diethyl Ether	3.735	74	11778	6.155	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.112	101	15377	5.581	ug/l	99
10) Methyl Iodide	4.314	142	22169	5.381	ug/l	97
11) Tert butyl alcohol	5.222	59	5422	26.716	ug/l	99
12) 1,1-Dichloroethene	4.082	96	16290	5.353	ug/l	94
13) Acrolein	3.942	56	9673	25.862	ug/l	97
14) Allyl chloride	4.716	41	24887	5.253	ug/l	97
15) Acrylonitrile	5.411	53	23139	27.048	ug/l	98
16) Acetone	4.173	43	23464	28.639	ug/l	99
17) Carbon Disulfide	4.423	76	40508	5.132	ug/l	98
18) Methyl Acetate	4.716	43	12046	5.337	ug/l	95
19) Methyl tert-butyl Ether	5.472	73	29007	5.516	ug/l	93
20) Methylene Chloride	4.966	84	36859	6.466	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	17499	5.419	ug/l	96
22) Diisopropyl ether	6.344	45	50407	5.317	ug/l #	88
23) Vinyl Acetate	6.289	43	160114	25.853	ug/l	98
24) 1,1-Dichloroethane	6.258	63	31324	5.307	ug/l	98
25) 2-Butanone	7.203	43	29641	26.442	ug/l	97
26) 2,2-Dichloropropane	7.191	77	18572	5.558	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	20040	5.279	ug/l	100
28) Bromochloromethane	7.539	49	13347	5.401	ug/l	99
29) Tetrahydrofuran	7.557	42	19682	26.780	ug/l	98
30) Chloroform	7.697	83	32764	5.294	ug/l	99
31) Cyclohexane	7.972	56	31936	6.031	ug/l #	79
32) 1,1,1-Trichloroethane	7.886	97	25435	5.401	ug/l	96
36) 1,1-Dichloropropene	8.100	75	23778	5.072	ug/l	98
37) Ethyl Acetate	7.277	43	13902m	5.198	ug/l	
38) Carbon Tetrachloride	8.087	117	21986	4.887	ug/l	93
39) Methylcyclohexane	9.343	83	29428	4.988	ug/l	98
40) Benzene	8.343	78	69976	5.043	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	8040m	5.104	ug/l		
42) 1,2-Dichloroethane	8.417	62	22835	5.141	ug/l		100
43) Isopropyl Acetate	8.435	43	24443	5.049	ug/l		99
44) Trichloroethene	9.105	130	16617	5.038	ug/l		97
45) 1,2-Dichloropropane	9.380	63	17128	5.125	ug/l		98
46) Dibromomethane	9.471	93	10488	5.062	ug/l		98
47) Bromodichloromethane	9.654	83	24125	4.856	ug/l		96
48) Methyl methacrylate	9.447	41	10983	4.768	ug/l		95
49) 1,4-Dioxane	9.465	88	1664	80.493	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.215	43	65866	24.860	ug/l		98
52) Toluene	10.392	92	44580	4.997	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	22560	4.734	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	26530	4.875	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	14199	5.160	ug/l		99
56) Ethyl methacrylate	10.648	69	17819	4.585	ug/l		92
57) 1,3-Dichloropropane	10.934	76	24166	4.985	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	46965	23.525	ug/l		99
59) 2-Hexanone	10.971	43	45962	24.957	ug/l		96
60) Dibromochloromethane	11.130	129	15663	4.882	ug/l		96
61) 1,2-Dibromoethane	11.239	107	13545	4.981	ug/l		99
64) Tetrachloroethene	10.861	164	13609	5.228	ug/l	#	88
65) Chlorobenzene	11.660	112	47998	4.967	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	14955	4.992	ug/l		99
67) Ethyl Benzene	11.733	91	85548	5.039	ug/l		100
68) m/p-Xylenes	11.843	106	63820	9.986	ug/l		100
69) o-Xylene	12.166	106	28989	4.793	ug/l		94
70) Styrene	12.178	104	50399	4.894	ug/l		98
71) Bromoform	12.349	173	7989	4.877	ug/l	#	95
73) Isopropylbenzene	12.459	105	76941	4.832	ug/l		100
74) N-amyl acetate	12.270	43	20889	4.852	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	17372	5.139	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	13366m	5.320	ug/l		
77) Bromobenzene	12.745	156	16967	4.924	ug/l		98
78) n-propylbenzene	12.806	91	97940	5.008	ug/l		100
79) 2-Chlorotoluene	12.885	91	58659	5.023	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	64888	4.859	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	5052	4.603	ug/l		94
82) 4-Chlorotoluene	12.989	91	62666	5.115	ug/l		99
83) tert-Butylbenzene	13.202	119	56981	5.009	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	67882	5.022	ug/l		97
85) sec-Butylbenzene	13.379	105	86541	5.066	ug/l		98
86) p-Isopropyltoluene	13.489	119	71432	5.059	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	37803	5.271	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	37516	5.340	ug/l		94
89) n-Butylbenzene	13.818	91	70505	5.090	ug/l		98
90) Hexachloroethane	14.086	117	12586	5.154	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	33137	5.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3359	5.501	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	20425	5.328	ug/l		93
94) Hexachlorobutadiene	15.226	225	9622	5.297	ug/l		99
95) Naphthalene	15.360	128	47376	5.027	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	17912	5.157	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

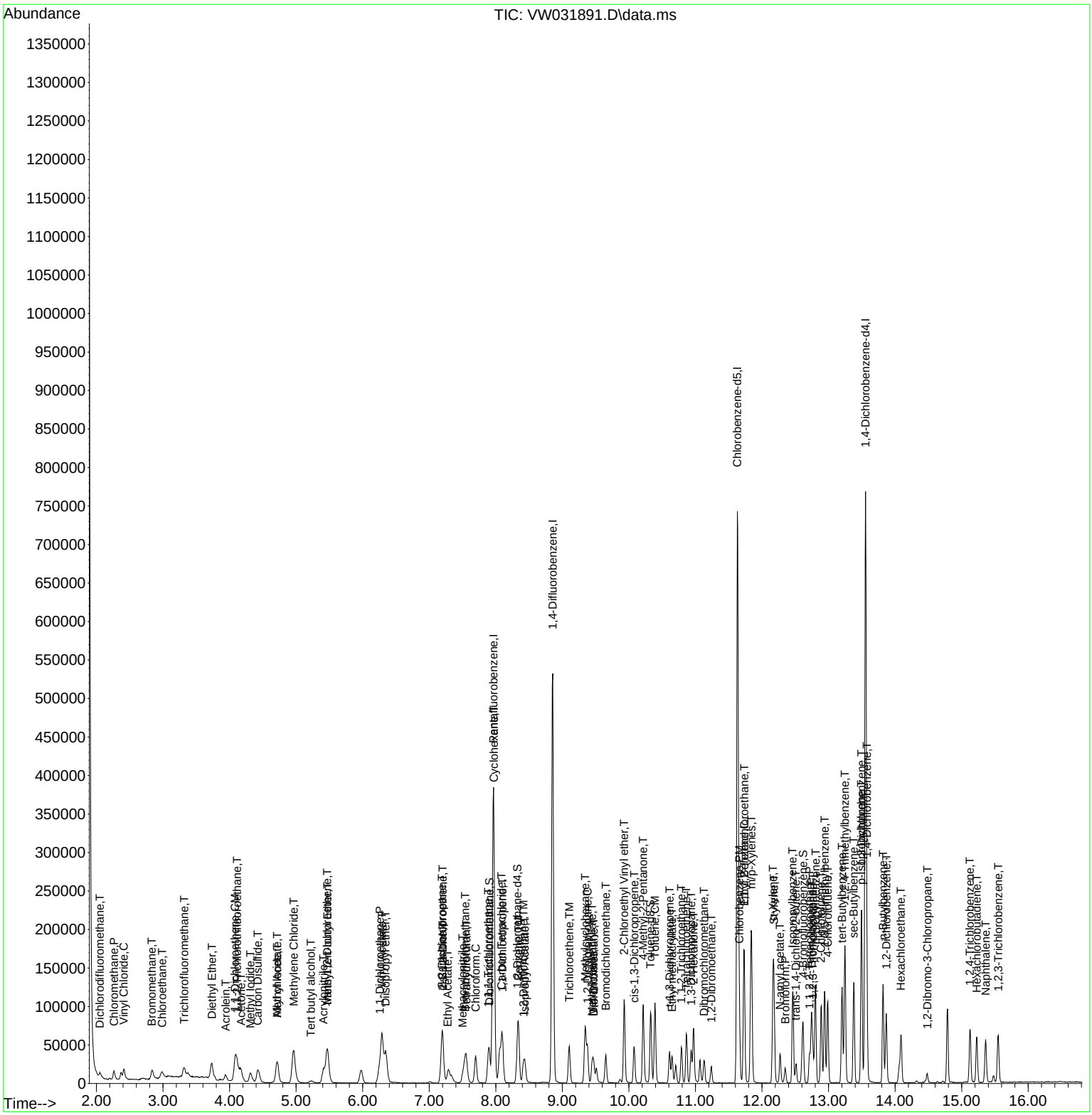
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Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

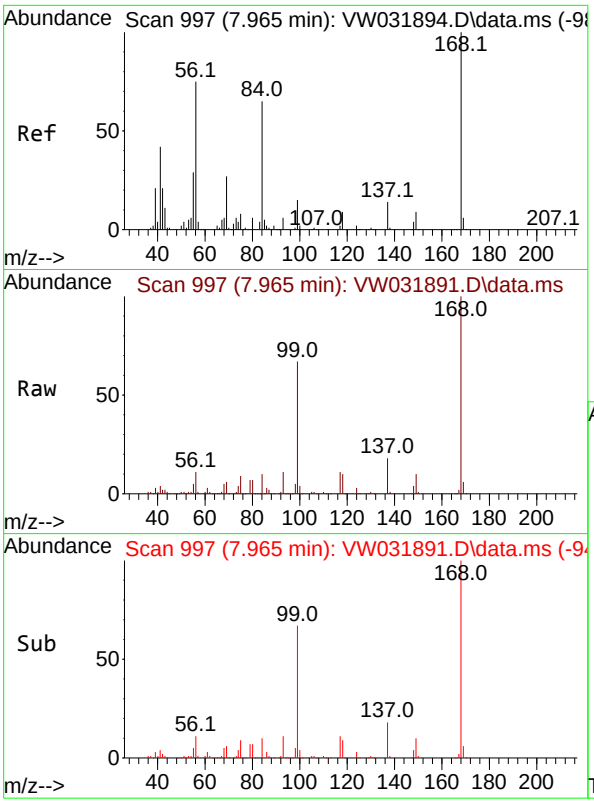
Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

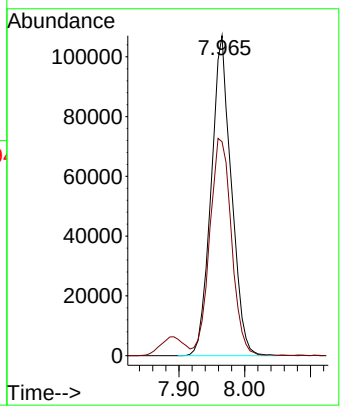




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:168 Resp: 22823

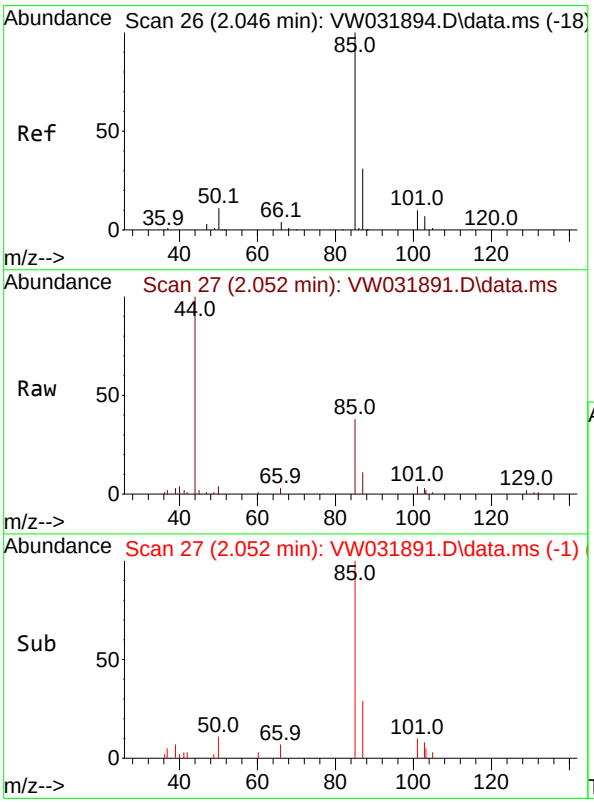
Ion	Ratio	Lower	Upper
168	100		
99	66.8	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

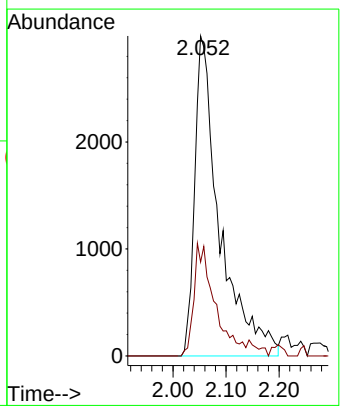
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

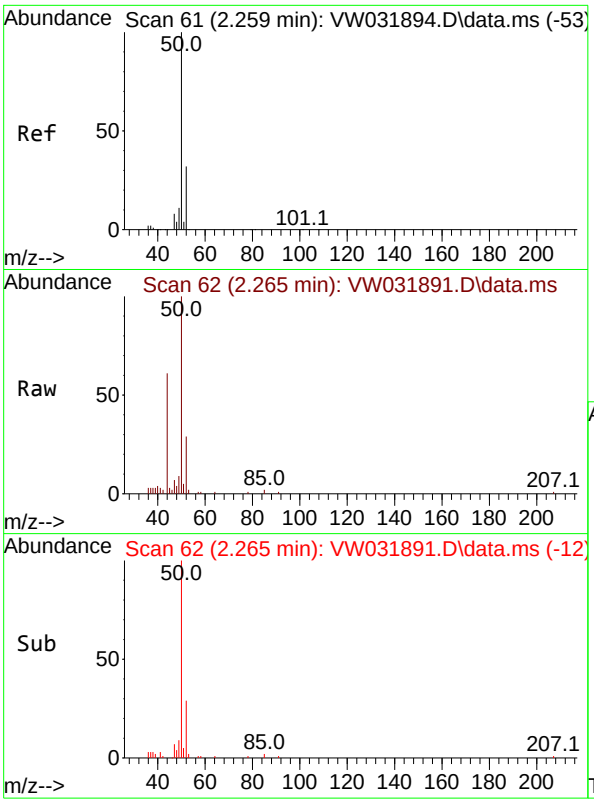


#2
Dichlorodifluoromethane
Concen: 5.742 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 85 Resp: 9741

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.5	46.5

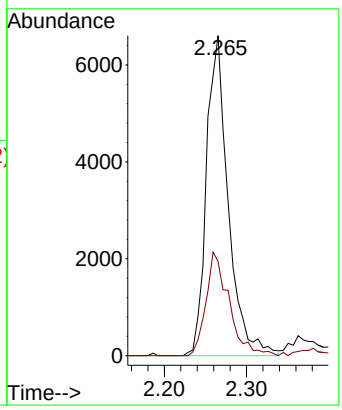




#3
Chloromethane
Concen: 5.589 ug/l
RT: 2.265 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 50 Resp: 1216

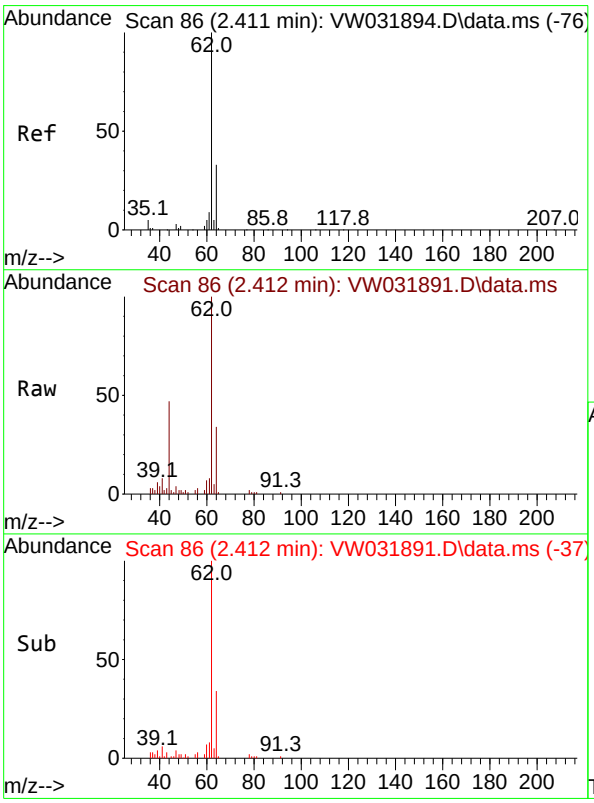
Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

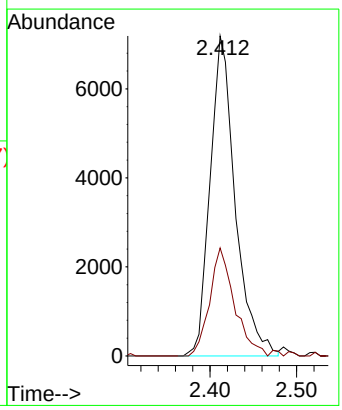
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

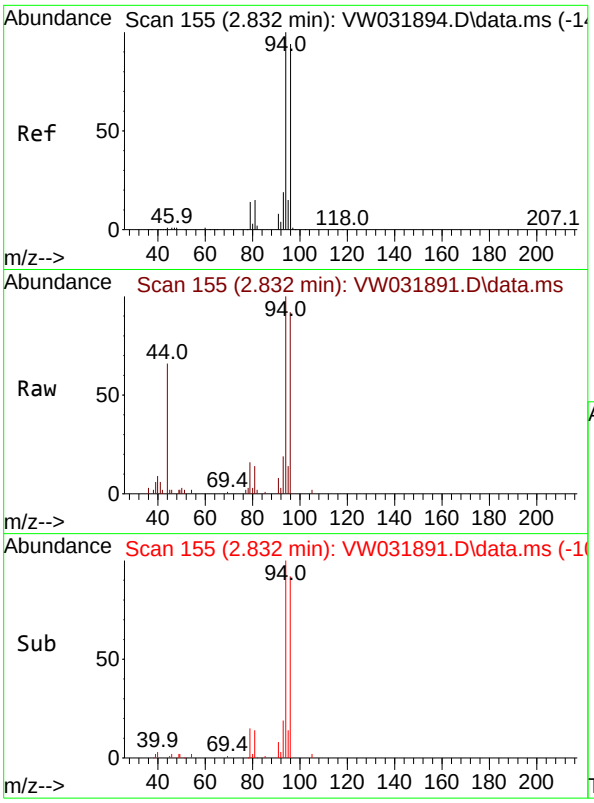


#4
Vinyl Chloride
Concen: 5.121 ug/l
RT: 2.412 min Scan# 86
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 62 Resp: 14484

Ion	Ratio	Lower	Upper
62	100		
64	33.7	26.2	39.2

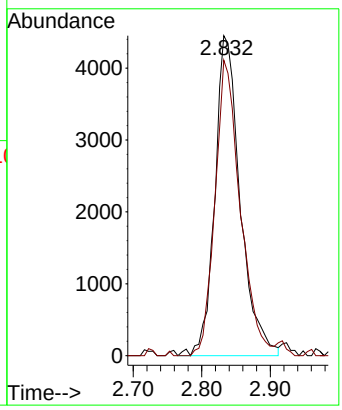




#5
Bromomethane
Concen: 5.482 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 94 Resp: 1141

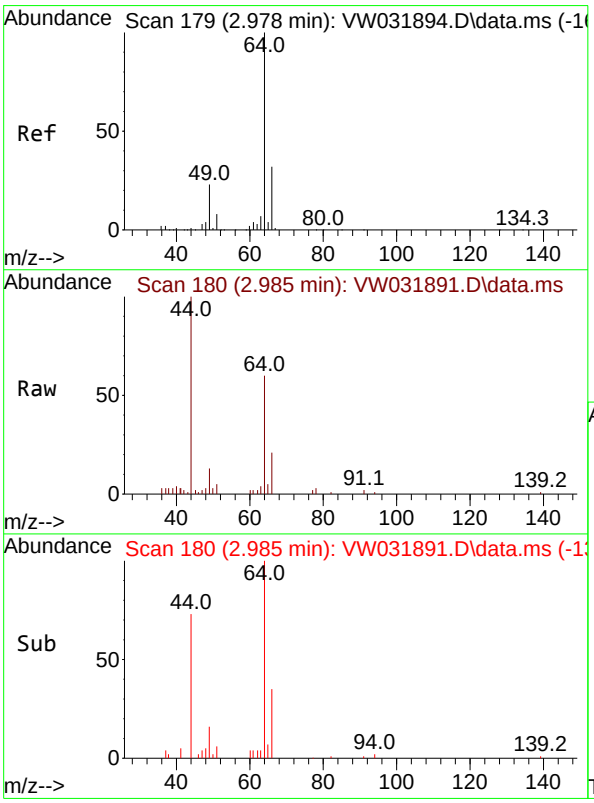
Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

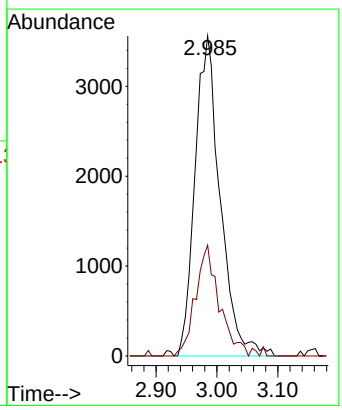
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

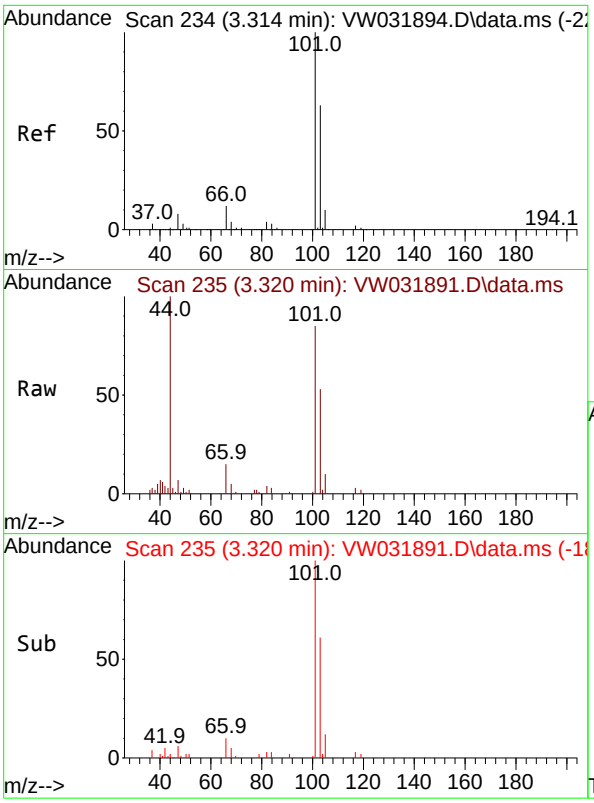


#6
Chloroethane
Concen: 5.481 ug/l
RT: 2.985 min Scan# 180
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 64 Resp: 10231

Ion	Ratio	Lower	Upper
64	100		
66	34.7	25.6	38.4

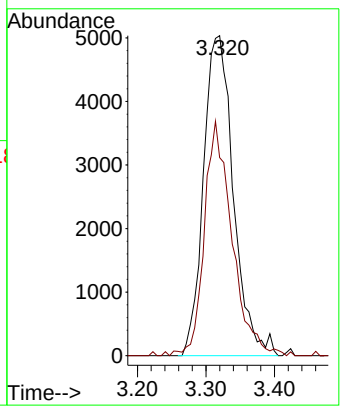




#7
Trichlorofluoromethane
Concen: 5.334 ug/l
RT: 3.320 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:101 Resp: 1528

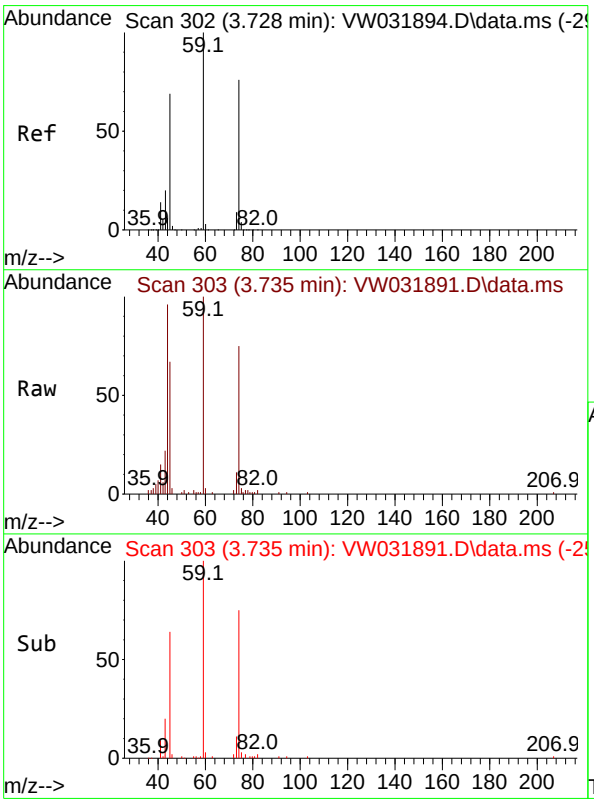
Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

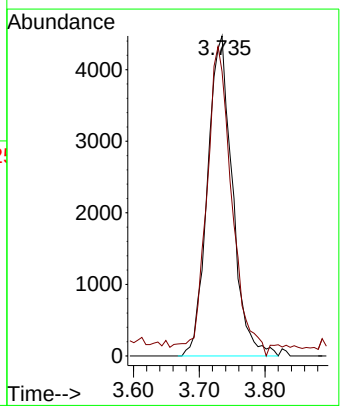
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

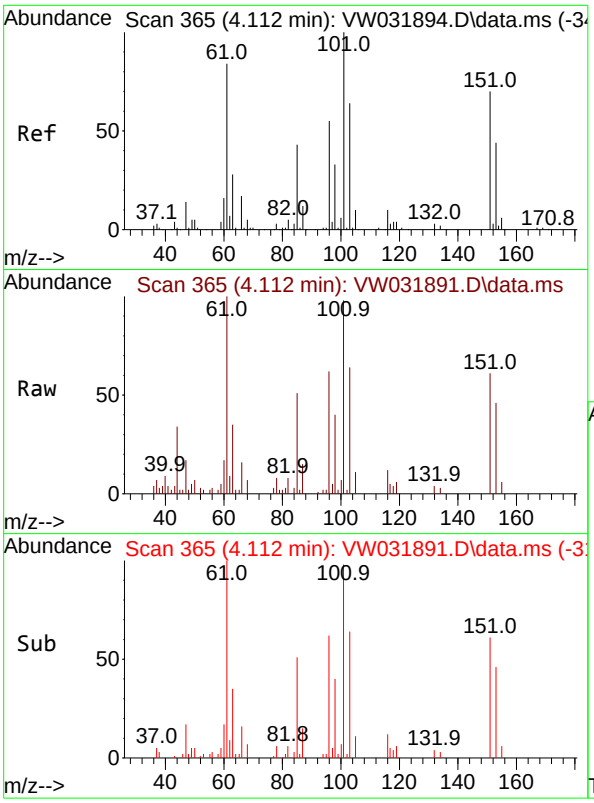


#8
Diethyl Ether
Concen: 6.155 ug/l
RT: 3.735 min Scan# 303
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 74 Resp: 11778

Ion	Ratio	Lower	Upper
74	100		
45	97.3	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.581 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

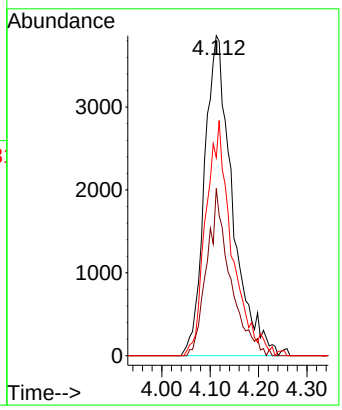
Tgt Ion:101 Resp: 1537

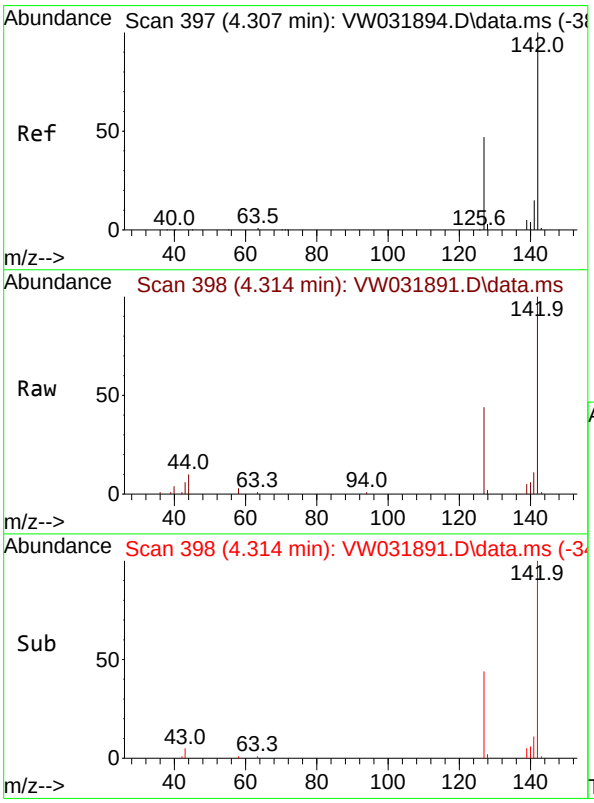
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	67.0	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

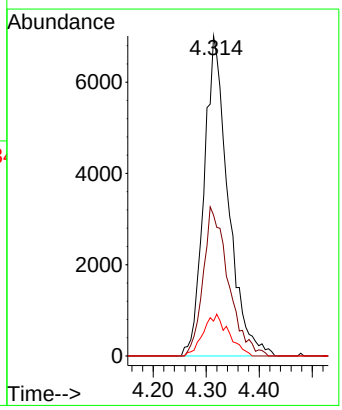


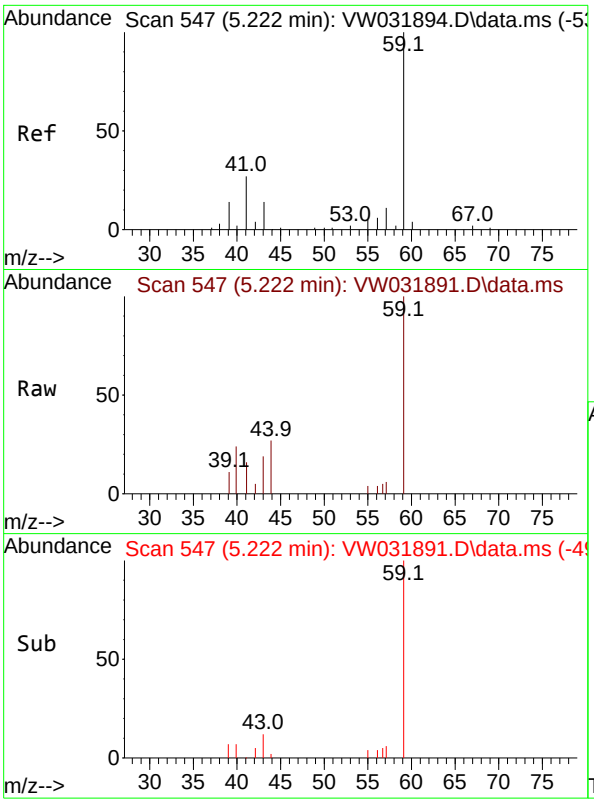


#10
Methyl Iodide
Concen: 5.381 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:142 Resp: 22169

Ion	Ratio	Lower	Upper
142	100		
127	48.5	37.4	56.2
141	13.8	11.9	17.9

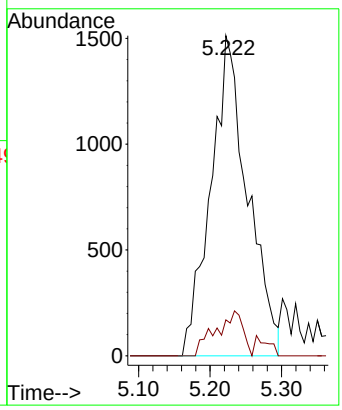




#11
Tert butyl alcohol
Concen: 26.716 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 59 Resp: 542

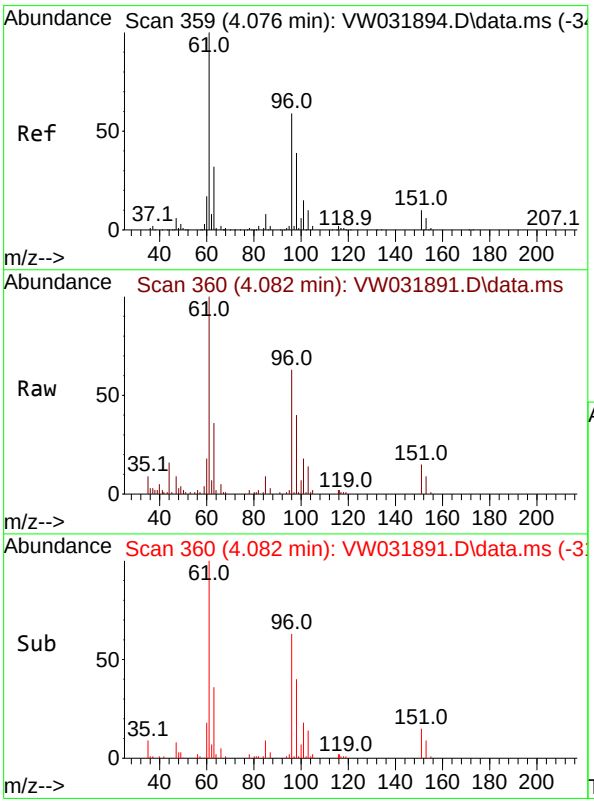
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

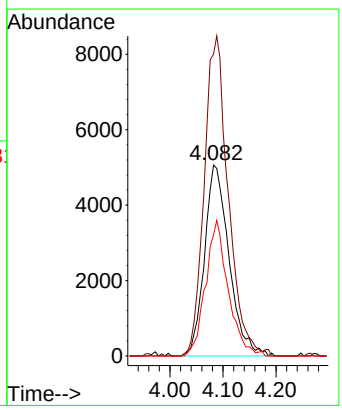
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

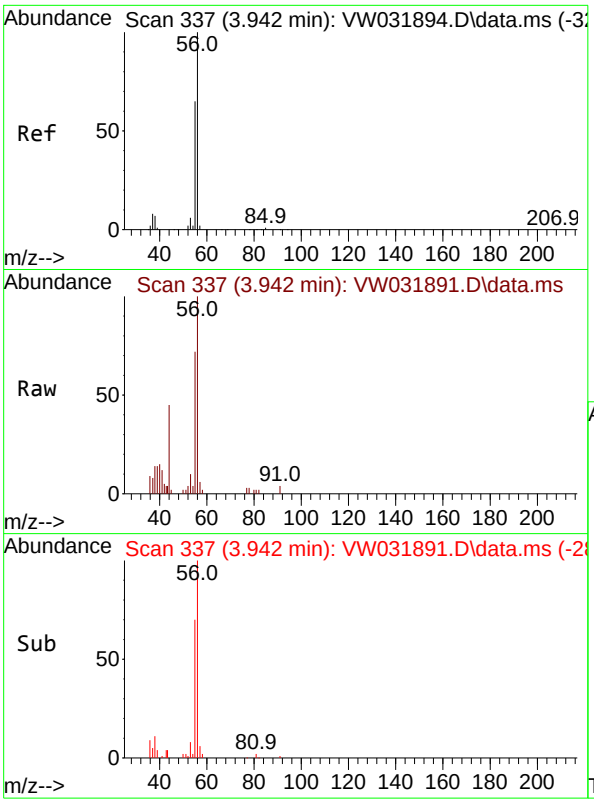


#12
1,1-Dichloroethene
Concen: 5.353 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 96 Resp: 16290

Ion	Ratio	Lower	Upper
96	100		
61	158.1	135.0	202.6
98	63.5	52.3	78.5

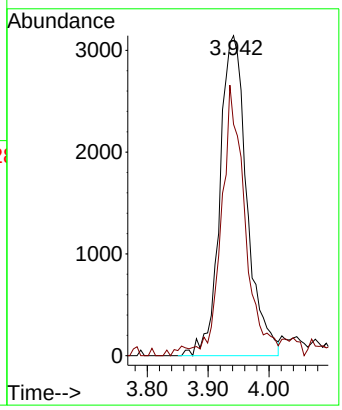




#13
Acrolein
Concen: 25.862 ug/l
RT: 3.942 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 56 Resp: 967

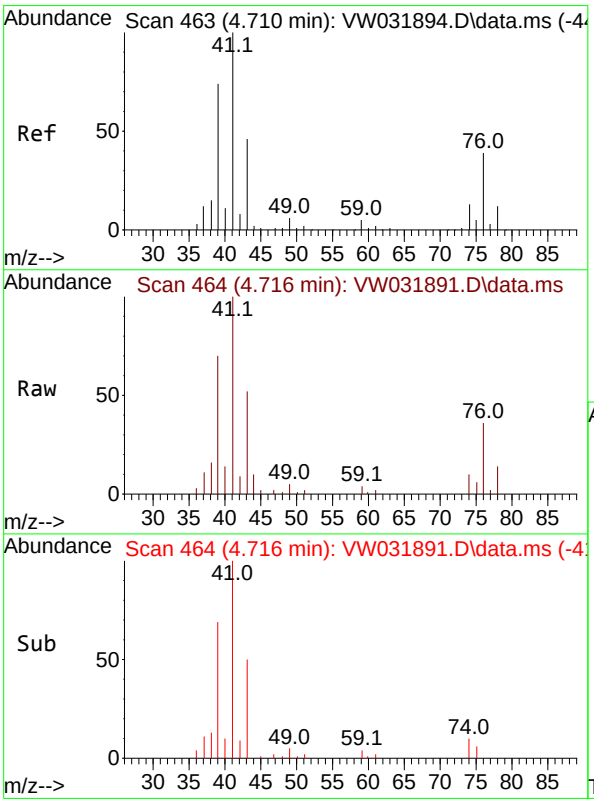
Ion	Ratio	Lower	Upper
56	100		
55	68.2	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

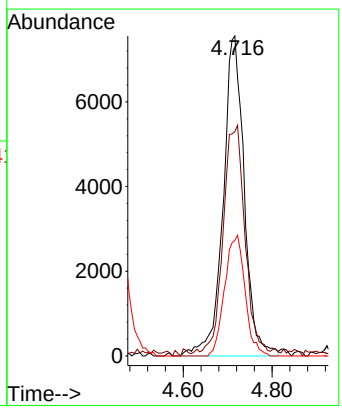
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

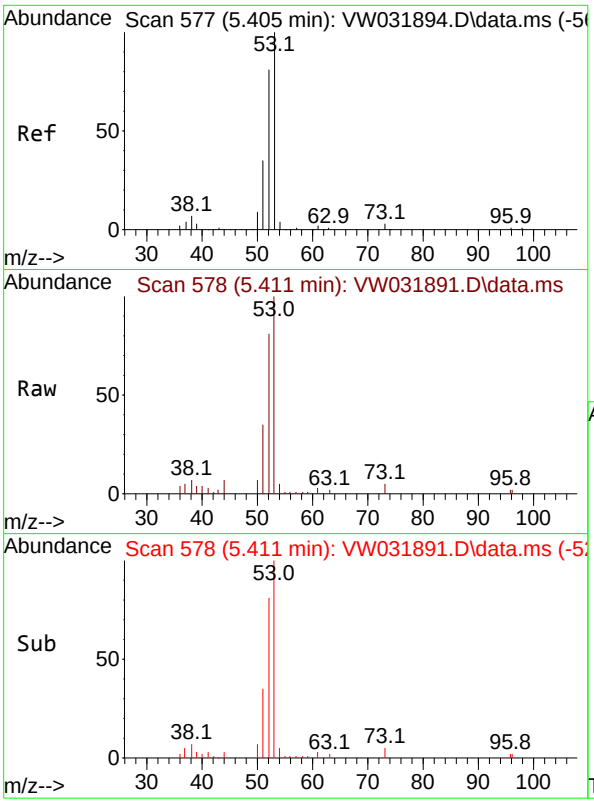


#14
Allyl chloride
Concen: 5.253 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 41 Resp: 24887

Ion	Ratio	Lower	Upper
41	100		
39	74.1	56.6	85.0
76	36.4	30.1	45.1

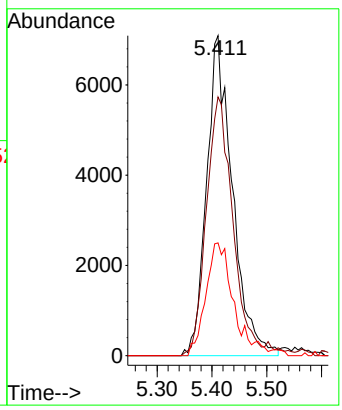




#15
Acrylonitrile
Concen: 27.048 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 53 Resp: 2313

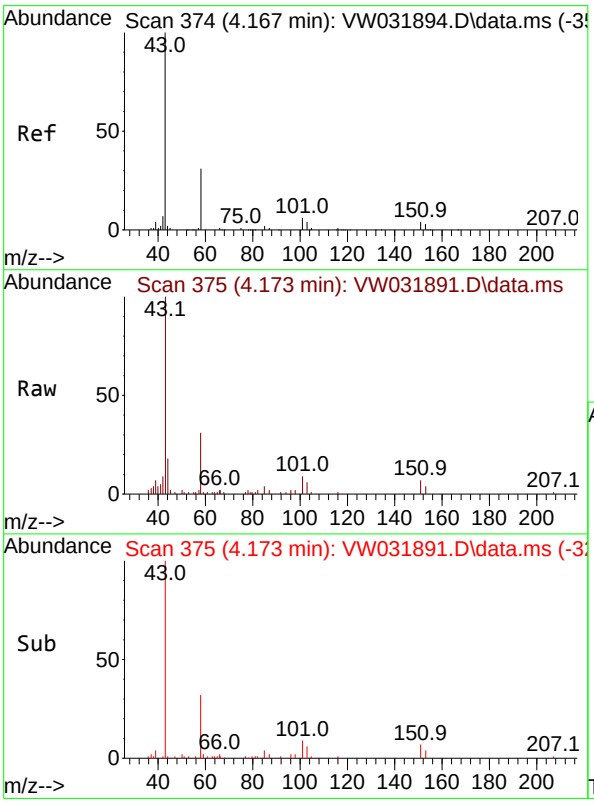
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.0	100.4
51	38.0	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

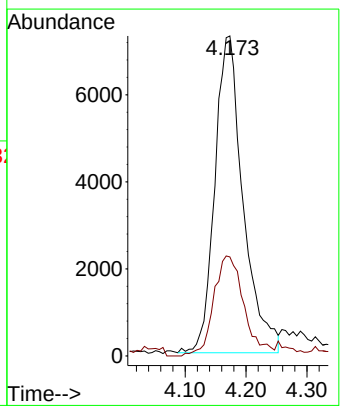
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

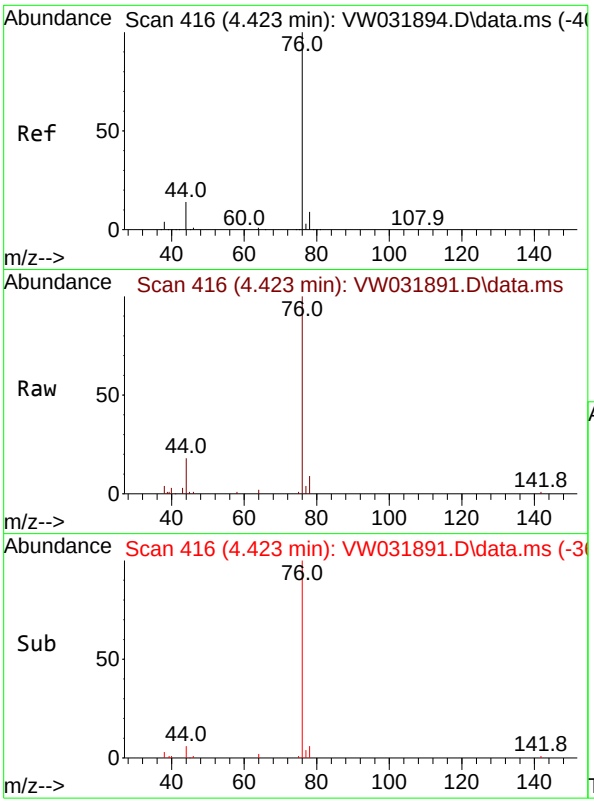


#16
Acetone
Concen: 28.639 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 23464

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.5	38.3





#17
Carbon Disulfide
Concen: 5.132 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

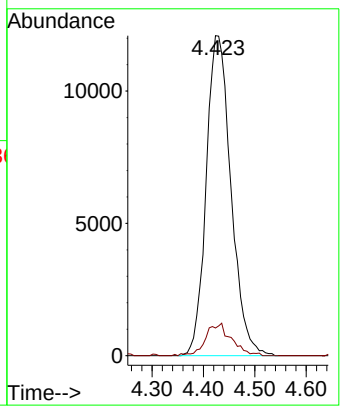
Tgt Ion: 76 Resp: 4050

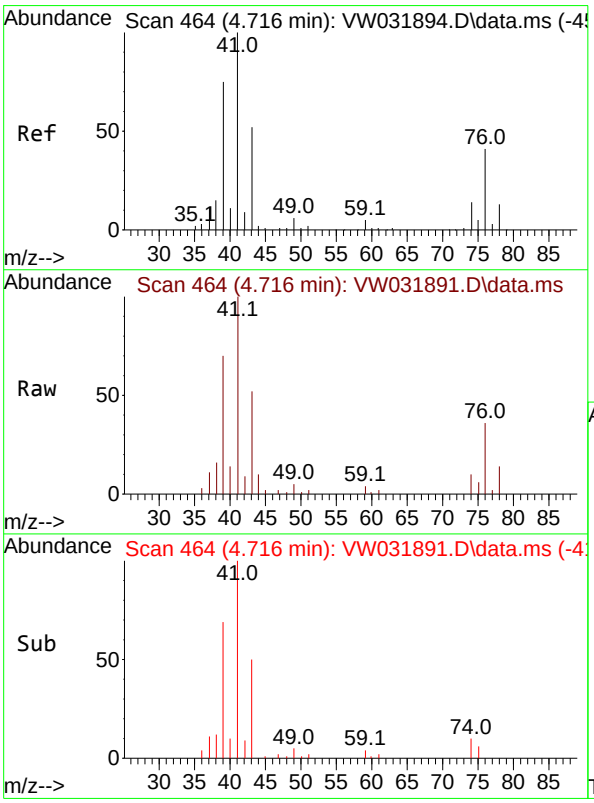
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

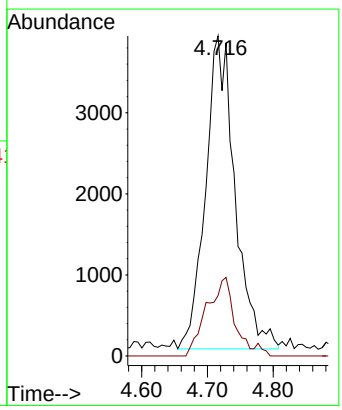


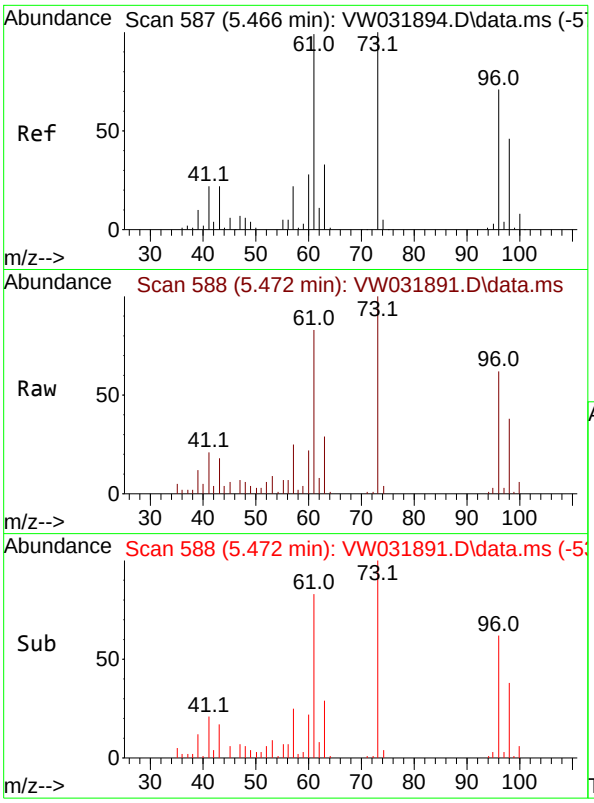


#18
Methyl Acetate
Concen: 5.337 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 12046

Ion	Ratio	Lower	Upper
43	100		
74	23.5	20.6	31.0

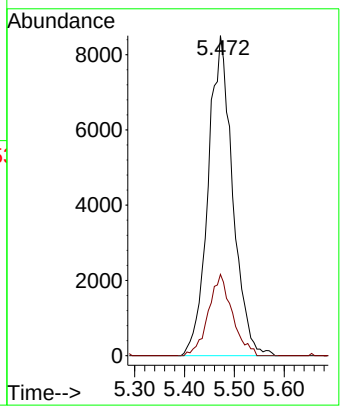




#19
Methyl tert-butyl Ether
Concen: 5.516 ug/l
RT: 5.472 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 73 Resp: 2900

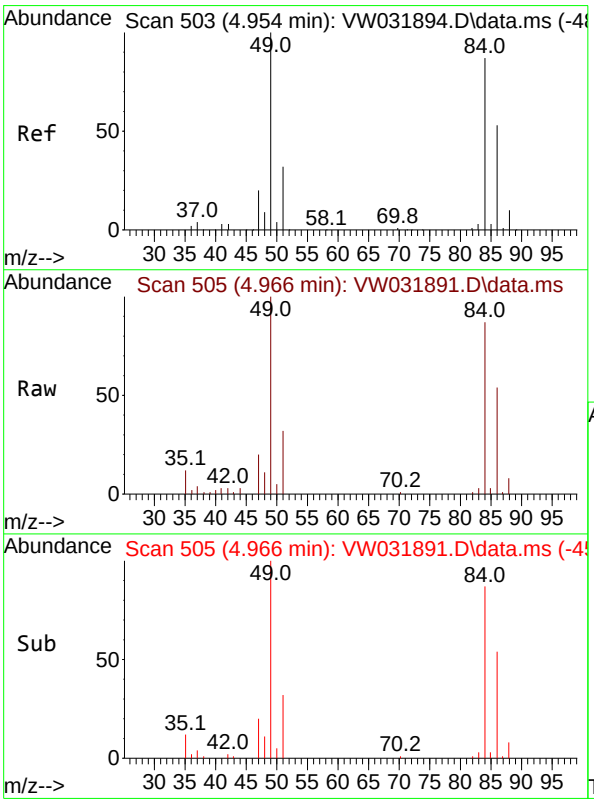
Ion	Ratio	Lower	Upper
73	100		
57	25.4	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

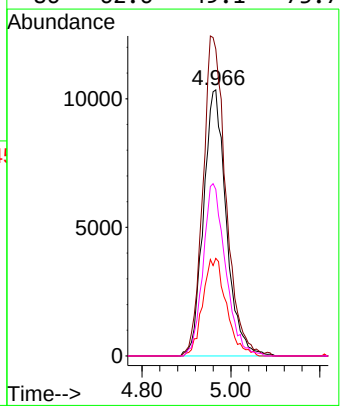
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

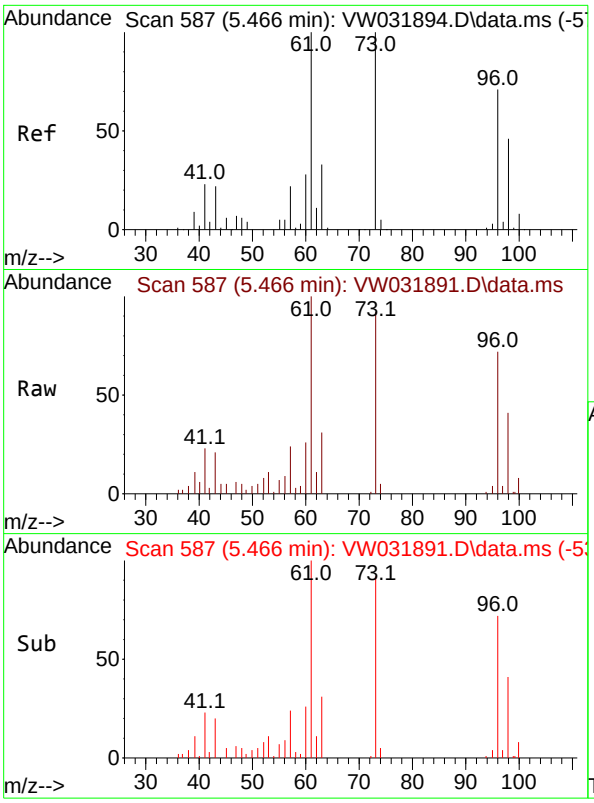


#20
Methylene Chloride
Concen: 6.466 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 84 Resp: 36859

Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.9	137.9
51	36.7	29.0	43.6
86	62.6	49.1	73.7

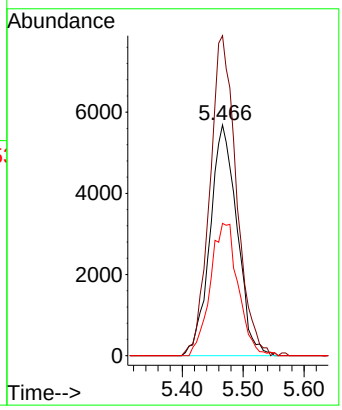




#21
trans-1,2-Dichloroethene
Concen: 5.419 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 96 Resp: 1749

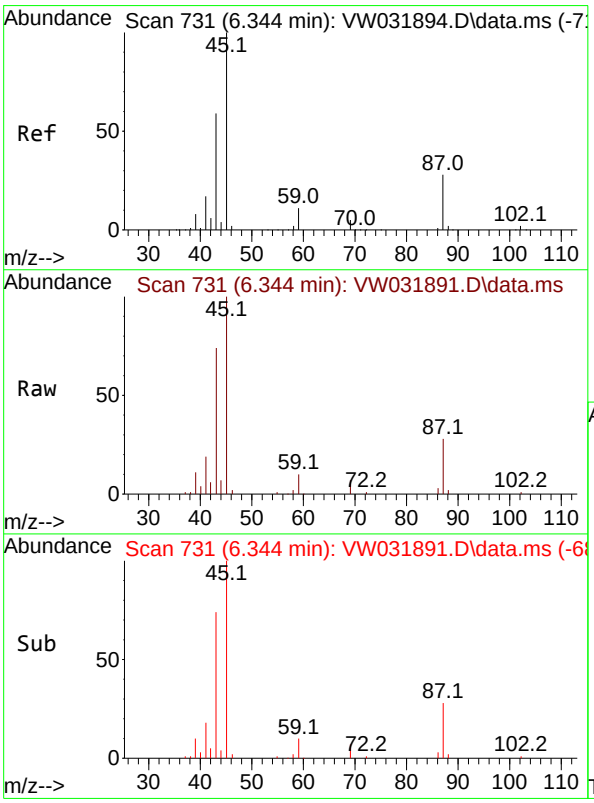
Ion	Ratio	Lower	Upper
96	100		
61	138.7	112.8	169.2
98	57.4	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

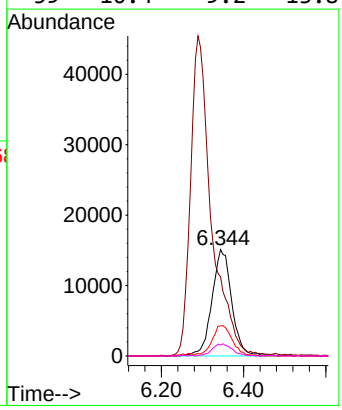
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

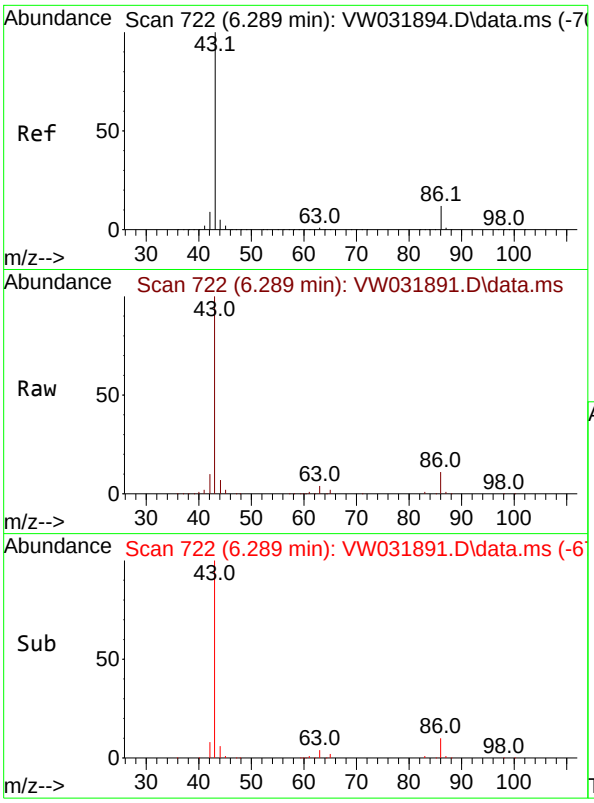


#22
Diisopropyl ether
Concen: 5.317 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 45 Resp: 50407

Ion	Ratio	Lower	Upper
45	100		
43	72.9	47.0	70.6#
87	28.3	22.8	34.2
59	10.4	9.2	13.8





#23
Vinyl Acetate
Concen: 25.853 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

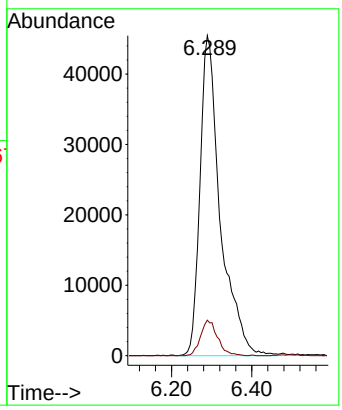
Tgt Ion: 43 Resp: 16011

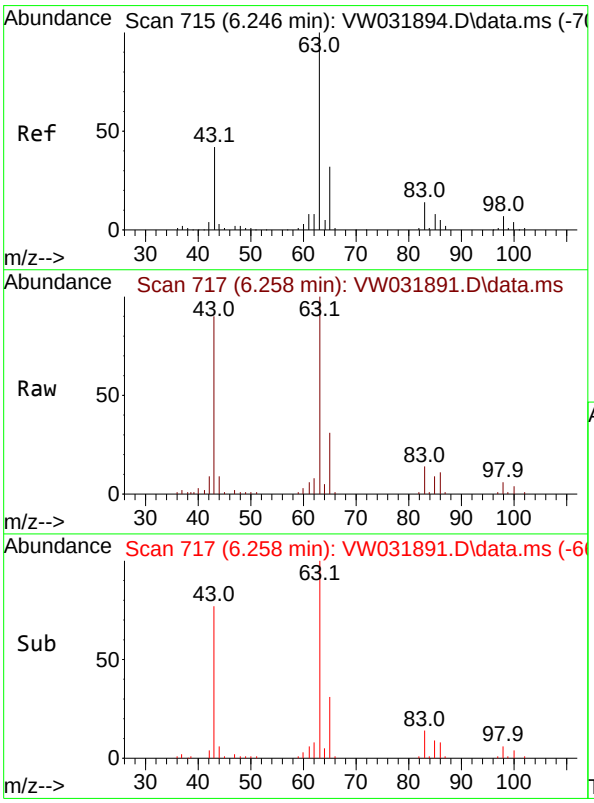
Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

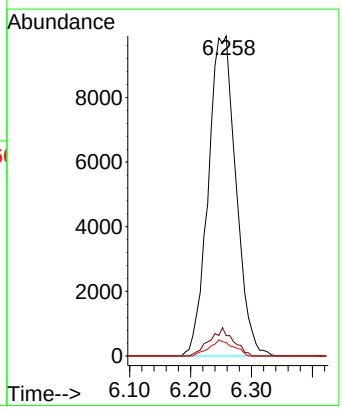


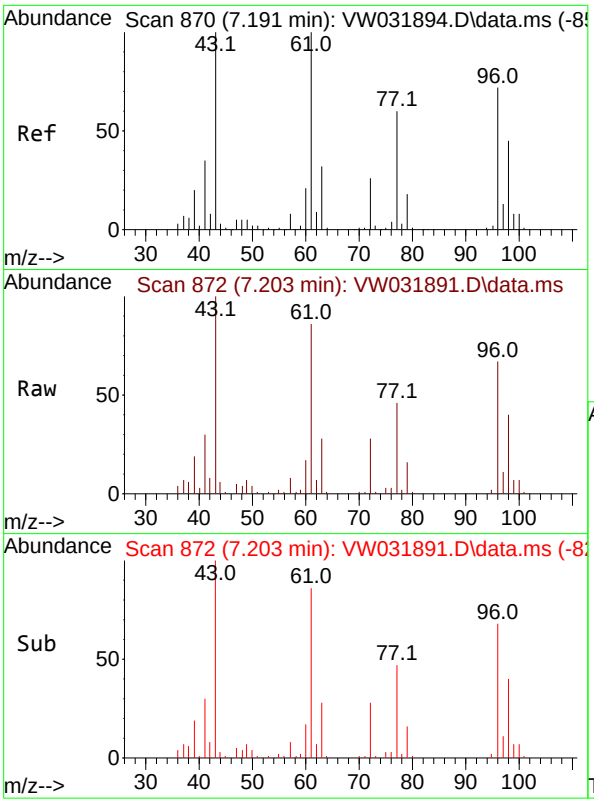


#24
1,1-Dichloroethane
Concen: 5.307 ug/l
RT: 6.258 min Scan# 717
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 63 Resp: 31324

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.9
100	4.2	2.2	6.6





#25
2-Butanone
Concen: 26.442 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

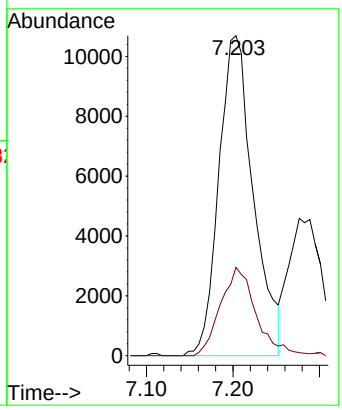
Tgt Ion: 43 Resp: 2964

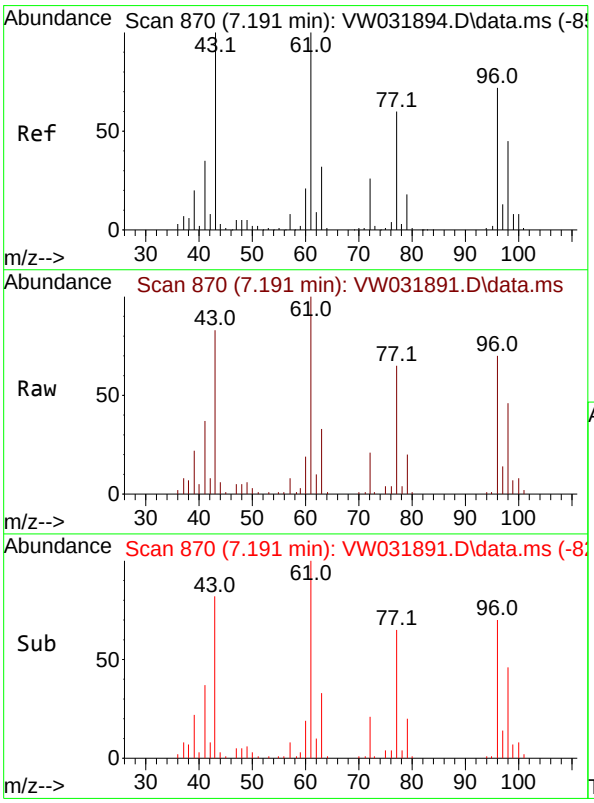
Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

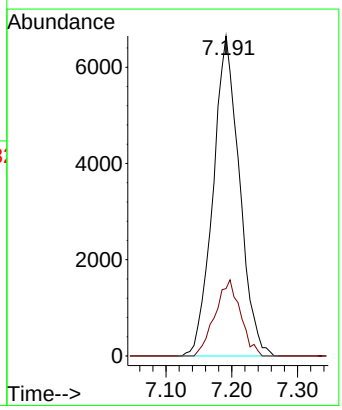


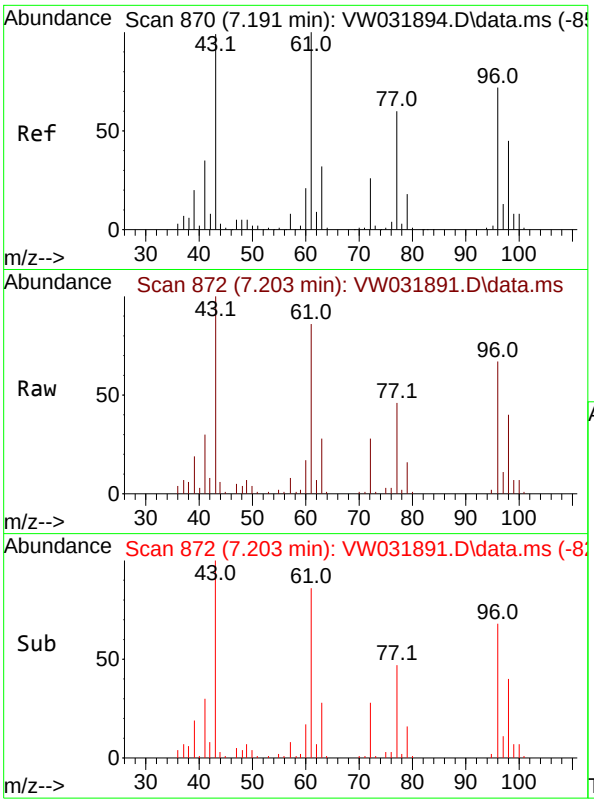


#26
2,2-Dichloropropane
Concen: 5.558 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 77 Resp: 18572

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1

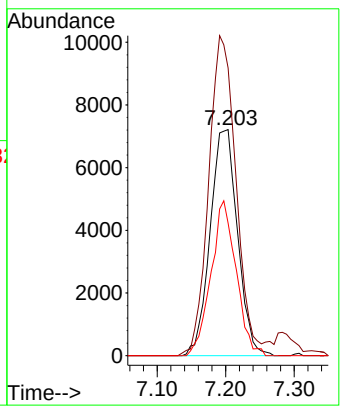




#27
cis-1,2-Dichloroethene
Concen: 5.279 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 96 Resp: 2004

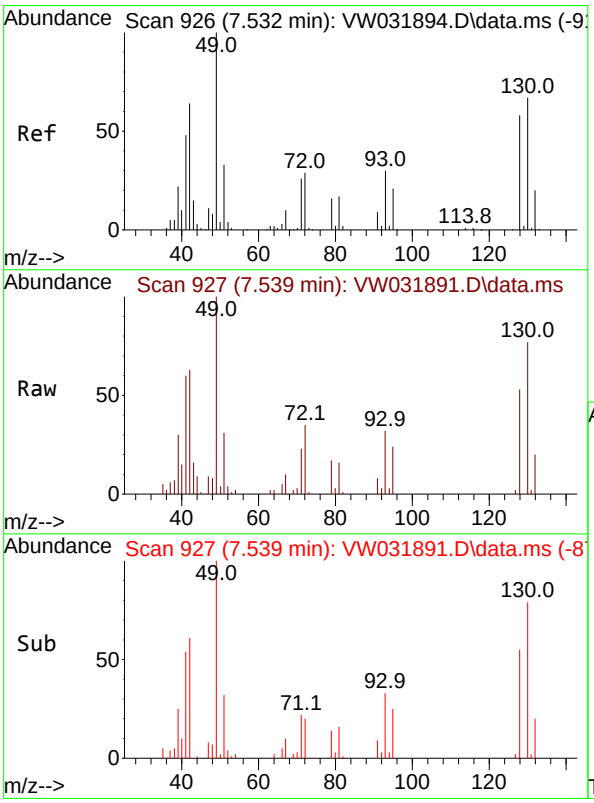
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	280.2
98	62.8	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

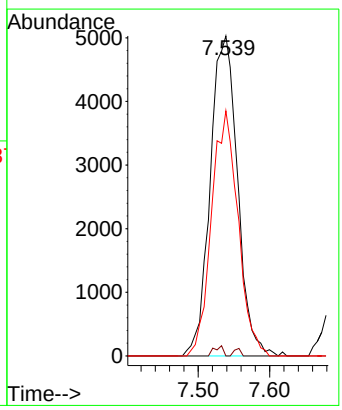
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

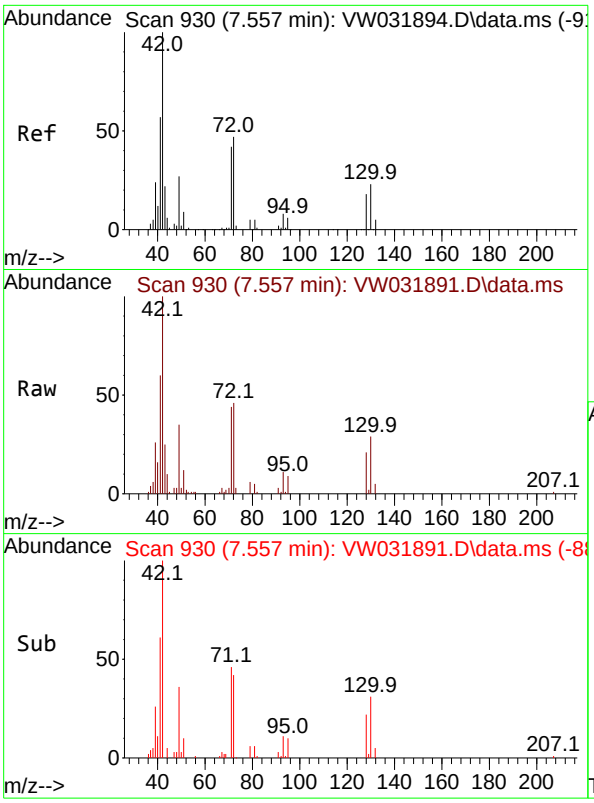


#28
Bromochloromethane
Concen: 5.401 ug/l
RT: 7.539 min Scan# 927
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 49 Resp: 13347

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	74.4	59.0	88.4





#29
Tetrahydrofuran
Concen: 26.780 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

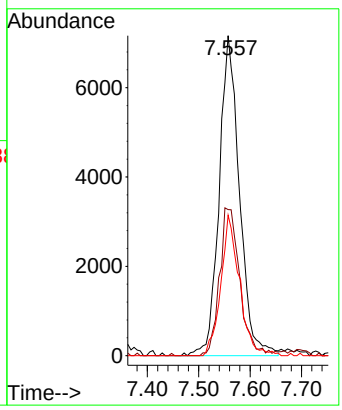
Tgt Ion: 42 Resp: 1968

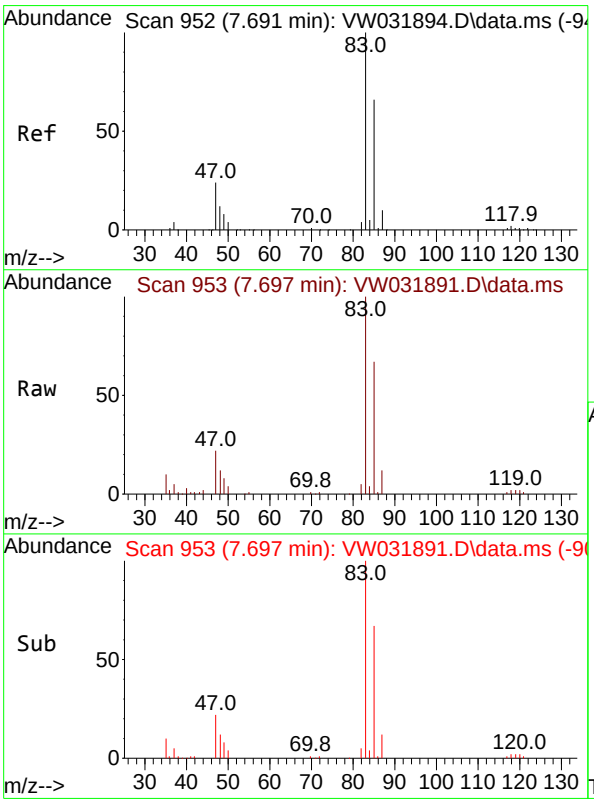
Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.6
71	40.6	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

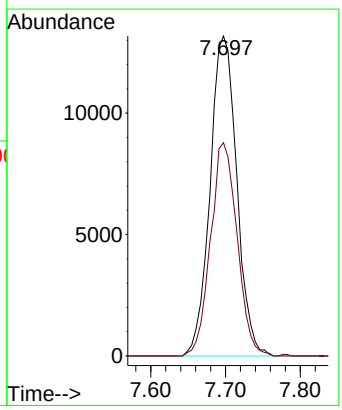


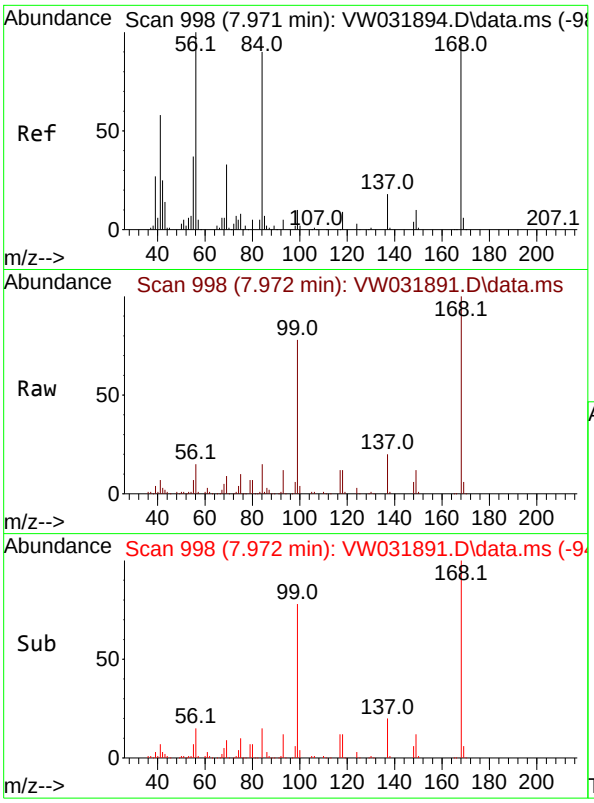


#30
Chloroform
Concen: 5.294 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 83 Resp: 32764

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	78.8





#31
Cyclohexane
Concen: 6.031 ug/l
RT: 7.972 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

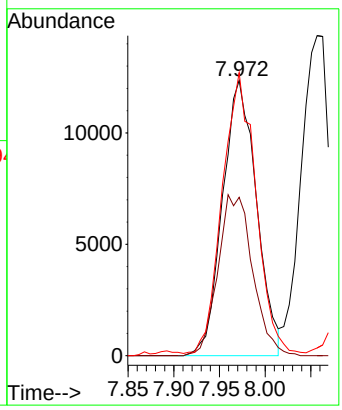
Tgt Ion: 56 Resp: 3193

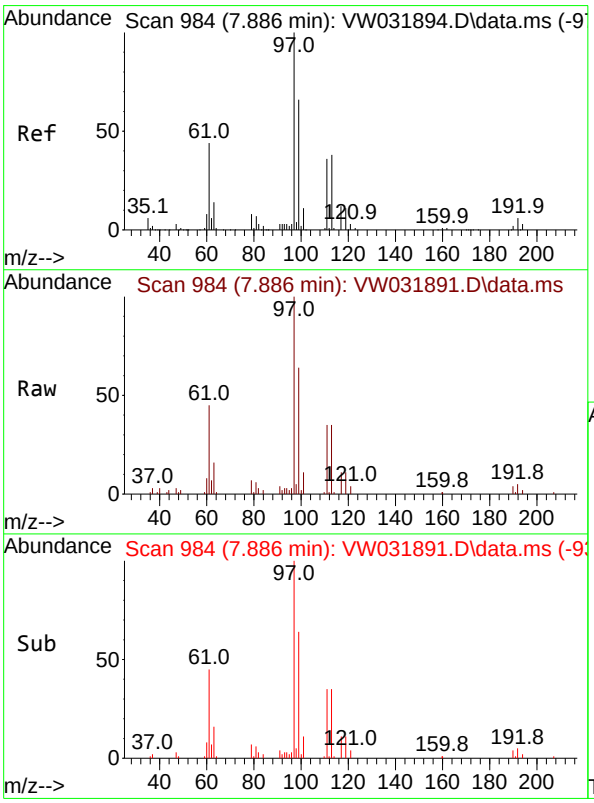
Ion	Ratio	Lower	Upper
56	100		
69	57.6	26.7	40.1
84	101.6	71.8	107.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

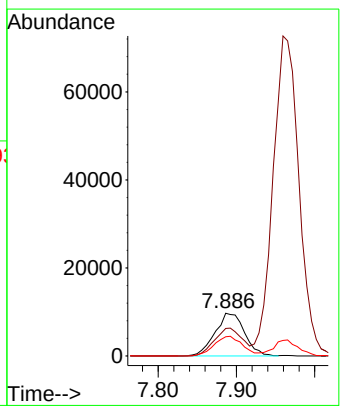


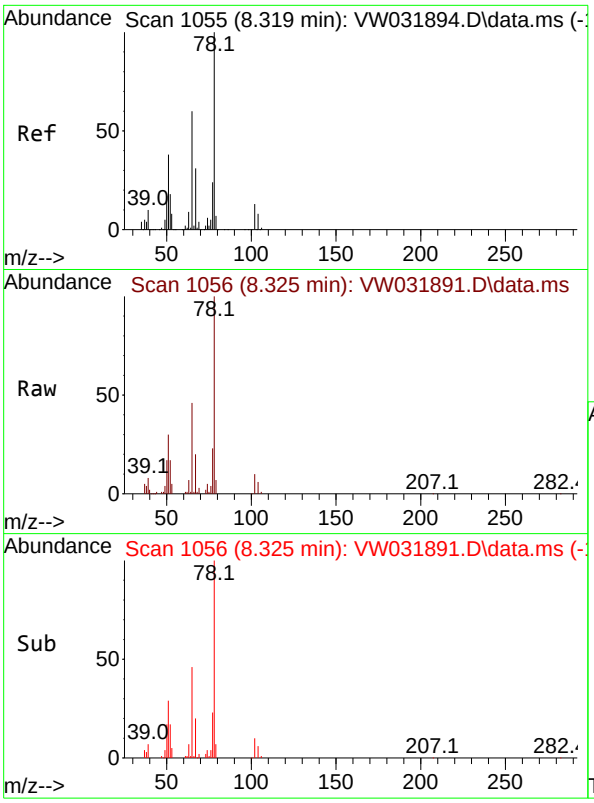


#32
1,1,1-Trichloroethane
Concen: 5.401 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 97 Resp: 25435

Ion	Ratio	Lower	Upper
97	100		
99	61.3	53.0	79.4
61	44.4	35.4	53.0

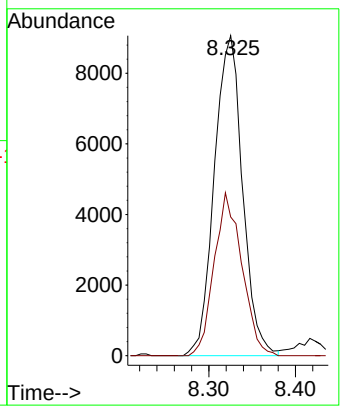




#33
1,2-Dichloroethane-d4
Concen: 5.946 ug/l
RT: 8.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 65 Resp: 2052

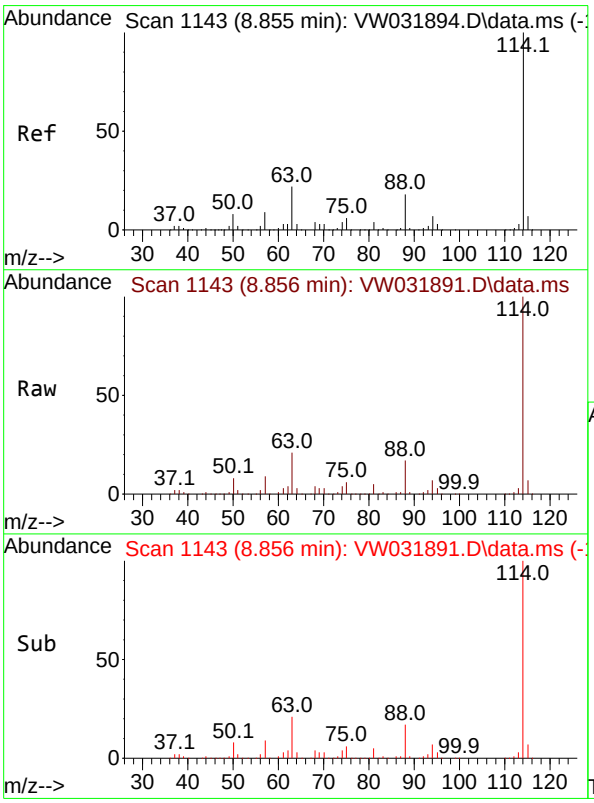
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

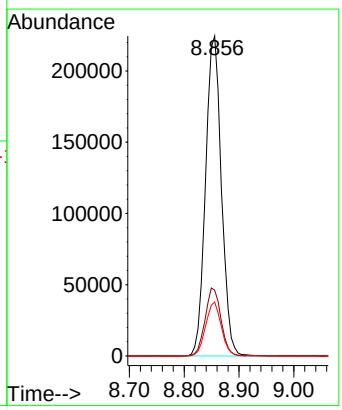
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

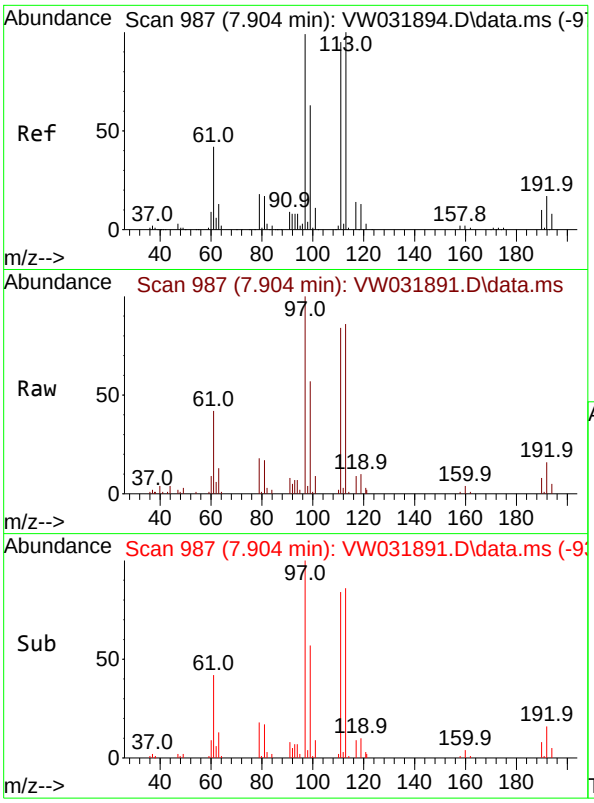


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:114 Resp: 449234

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	16.8	0.0	35.6

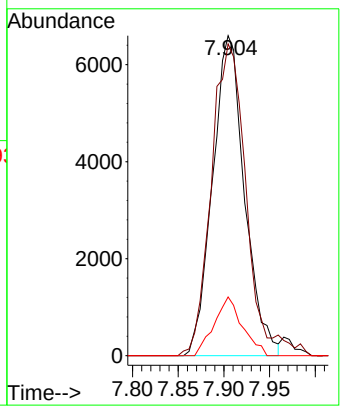




#35
Dibromofluoromethane
Concen: 5.273 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:113 Resp: 1609

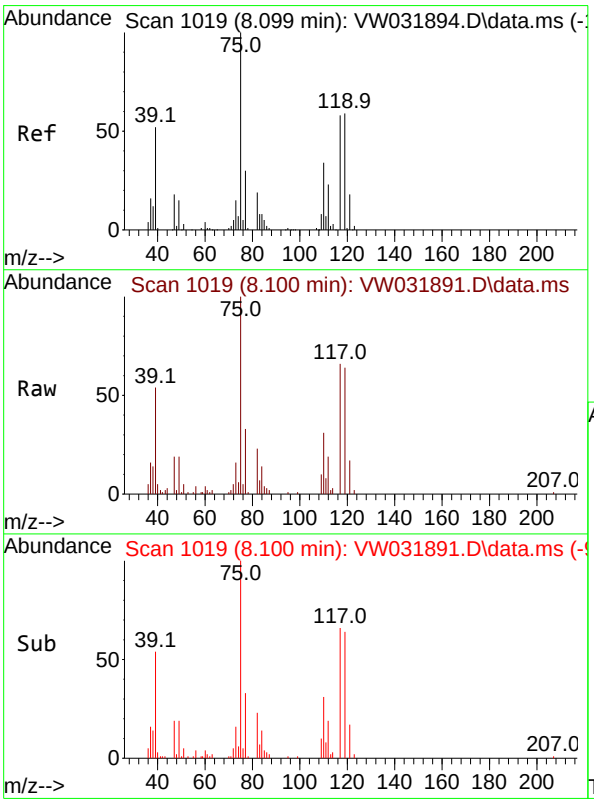
Ion	Ratio	Lower	Upper
113	100		
111	106.3	79.9	119.9
192	16.2	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

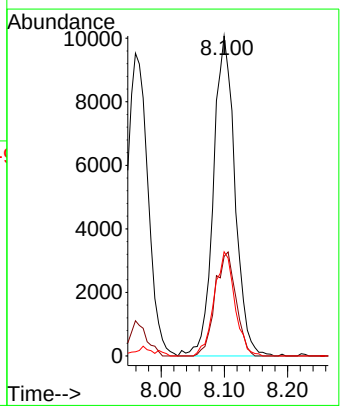
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

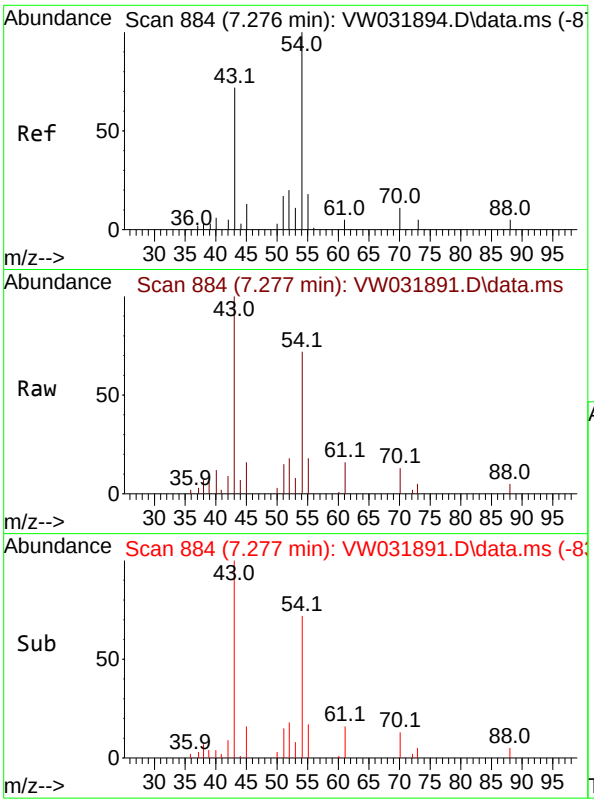


#36
1,1-Dichloropropene
Concen: 5.072 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 23778

Ion	Ratio	Lower	Upper
75	100		
110	31.6	17.0	50.9
77	31.1	25.1	37.7





#37
Ethyl Acetate
Concen: 5.198 ug/l m
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

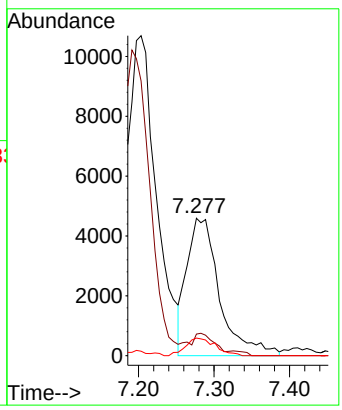
Tgt Ion: 43 Resp: 1390

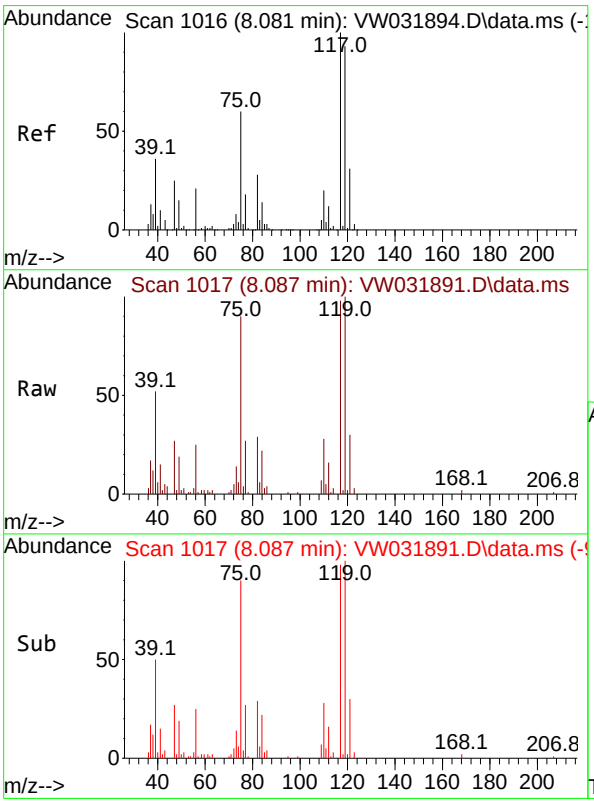
Ion	Ratio	Lower	Upper
43	100		
61	7.1	10.6	15.8
70	11.6	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

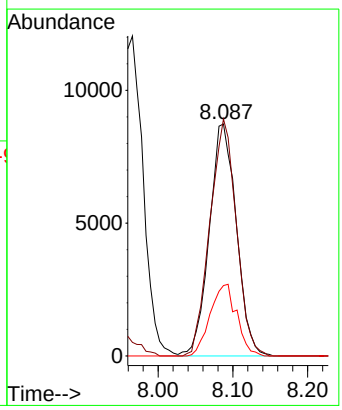


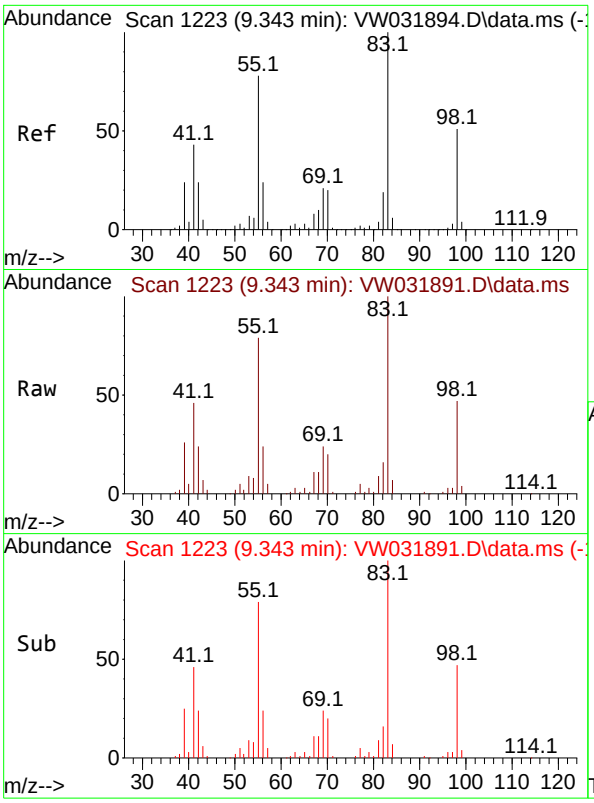


#38
Carbon Tetrachloride
Concen: 4.887 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:117 Resp: 21986

Ion	Ratio	Lower	Upper
117	100		
119	102.2	74.3	111.5
121	30.4	24.6	37.0

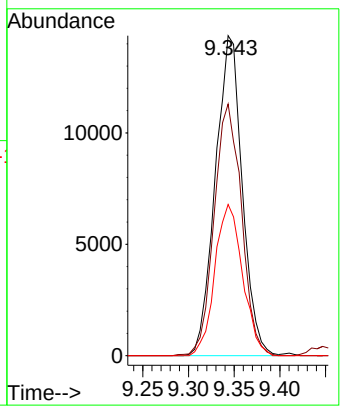




#39
Methylcyclohexane
Concen: 4.988 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 83 Resp: 2942

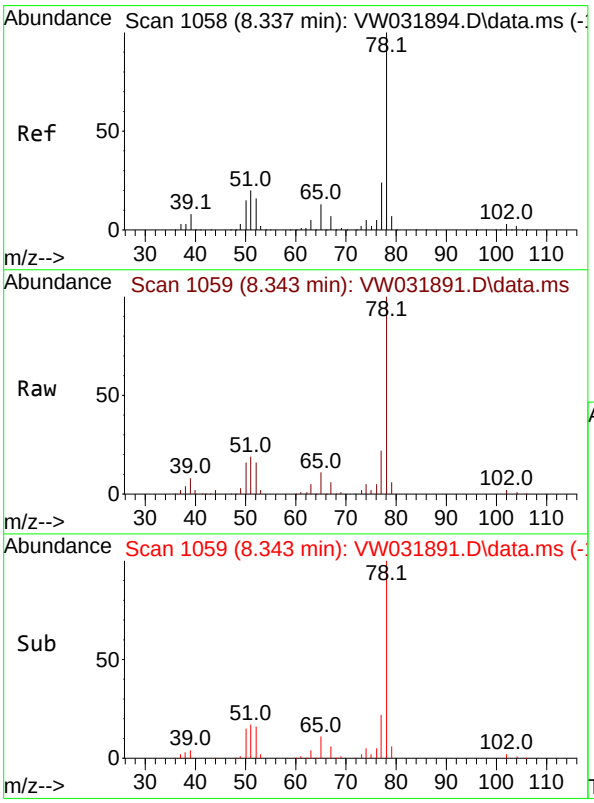
Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.5	93.7
98	47.3	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

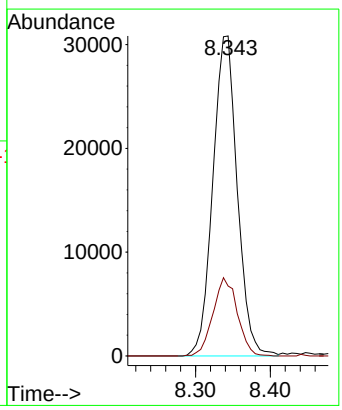
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

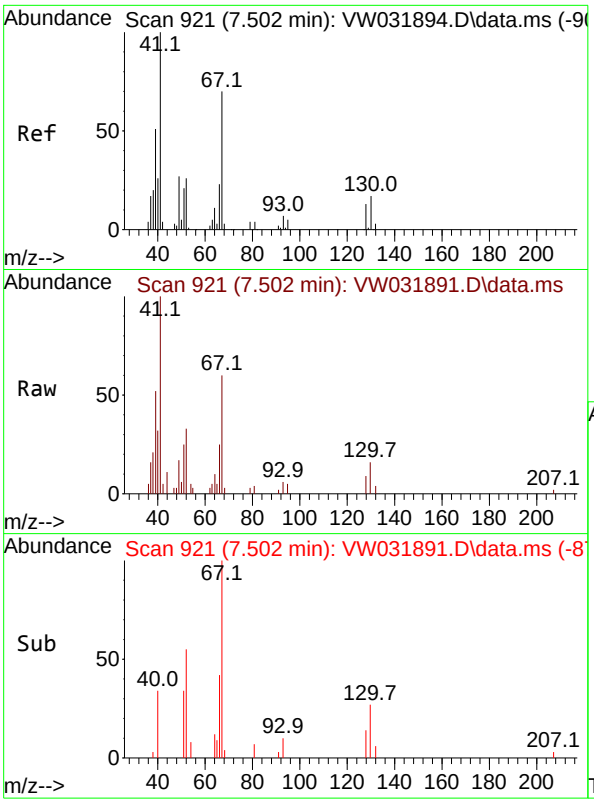


#40
Benzene
Concen: 5.043 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 78 Resp: 69976

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.3	28.9

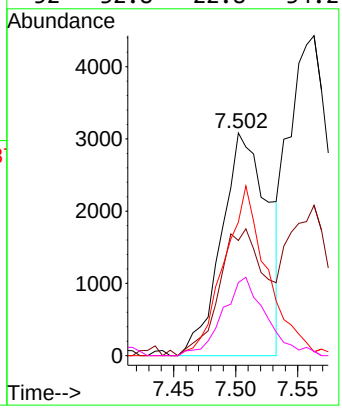




#41
Methacrylonitrile
Concen: 5.104 ug/l m
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 41 Resp: 804

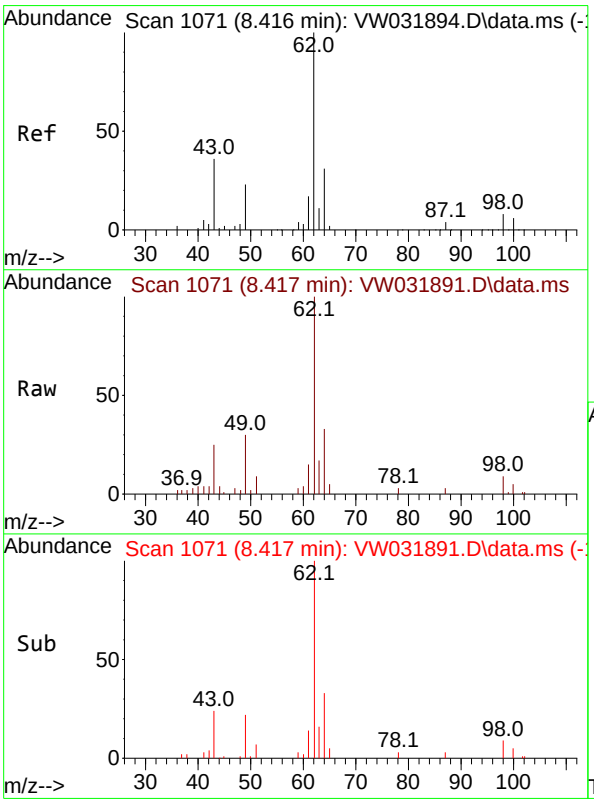
Ion	Ratio	Lower	Upper
41	100		
39	57.0	41.1	61.7
67	71.4	56.2	84.4
52	32.8	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

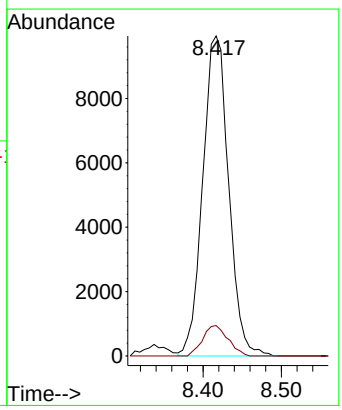
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

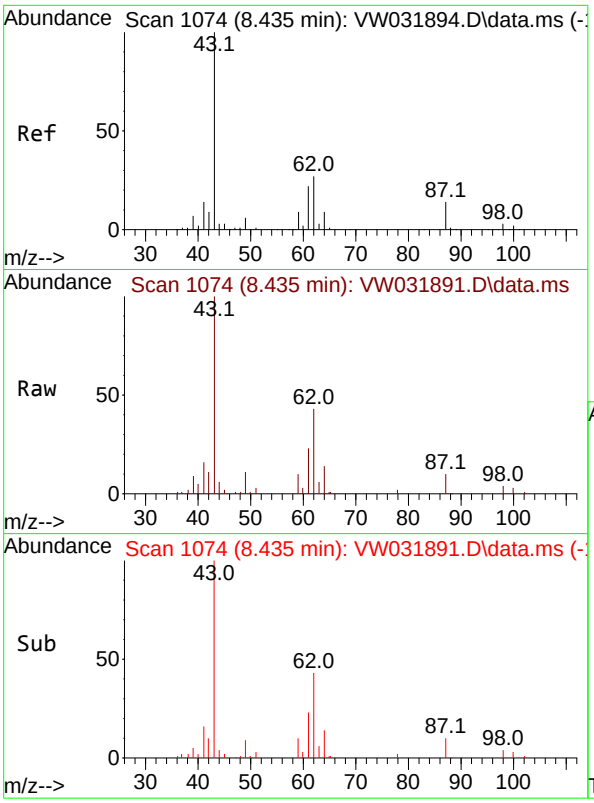


#42
1,2-Dichloroethane
Concen: 5.141 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 62 Resp: 22835

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43
Isopropyl Acetate
Concen: 5.049 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

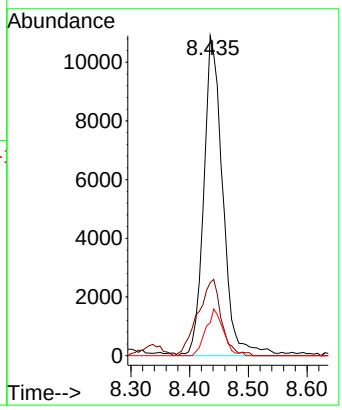
Tgt Ion: 43 Resp: 2444

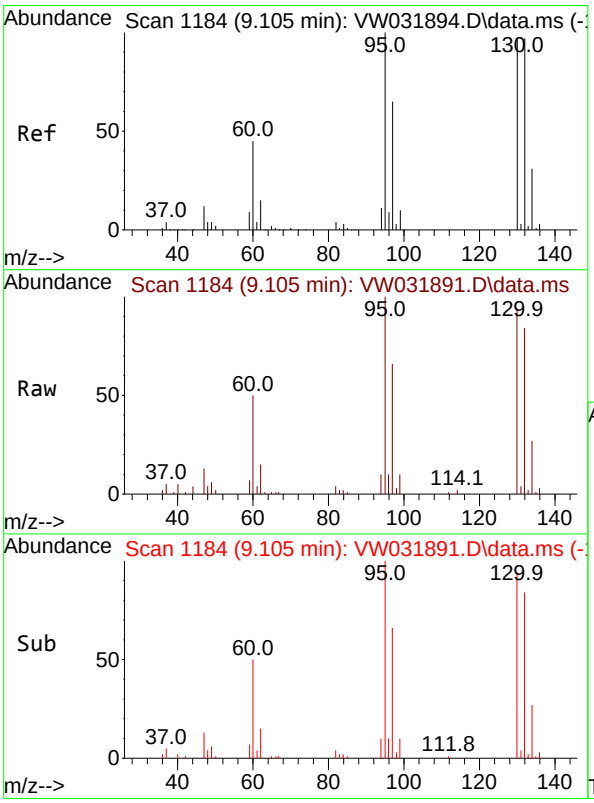
Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.0	36.0
87	13.4	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

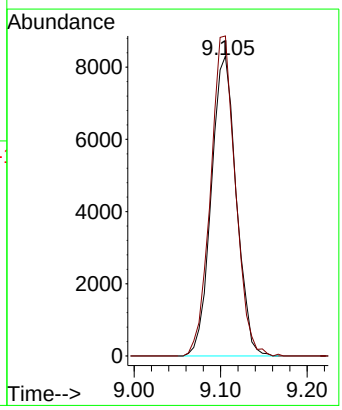


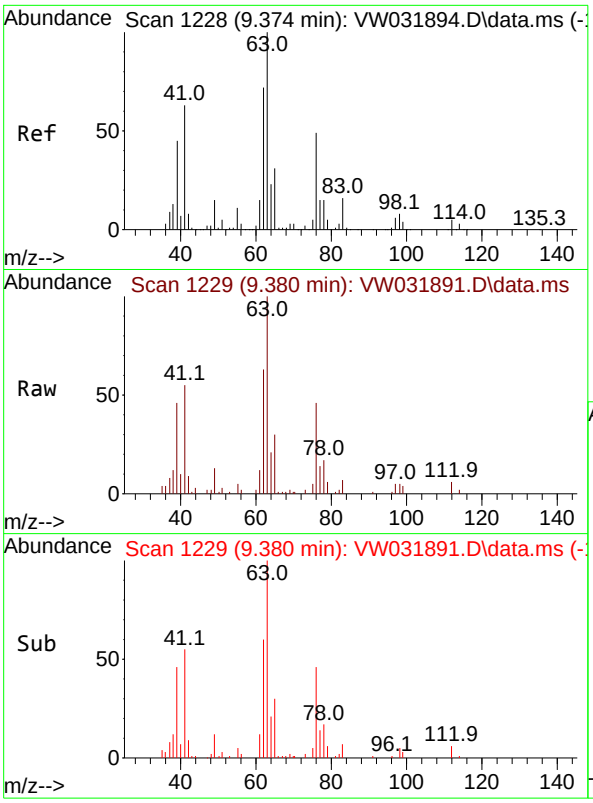


#44
Trichloroethene
Concen: 5.038 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:130 Resp: 16617

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	206.4

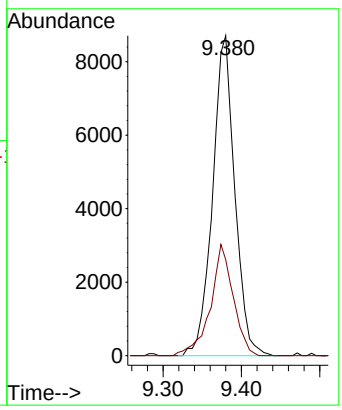




#45
1,2-Dichloropropane
Concen: 5.125 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 63 Resp: 1712

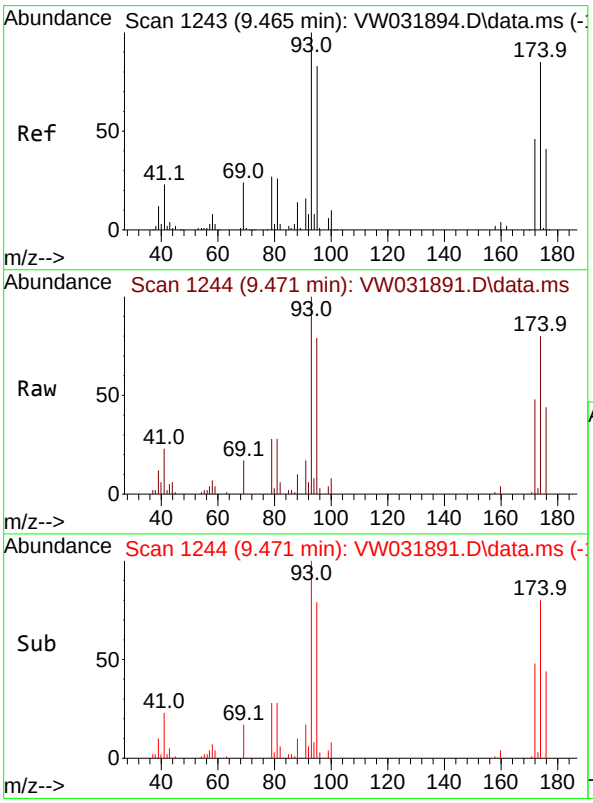
Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

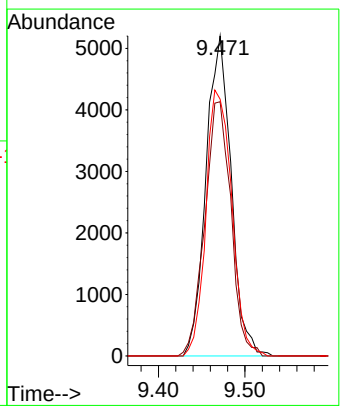
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

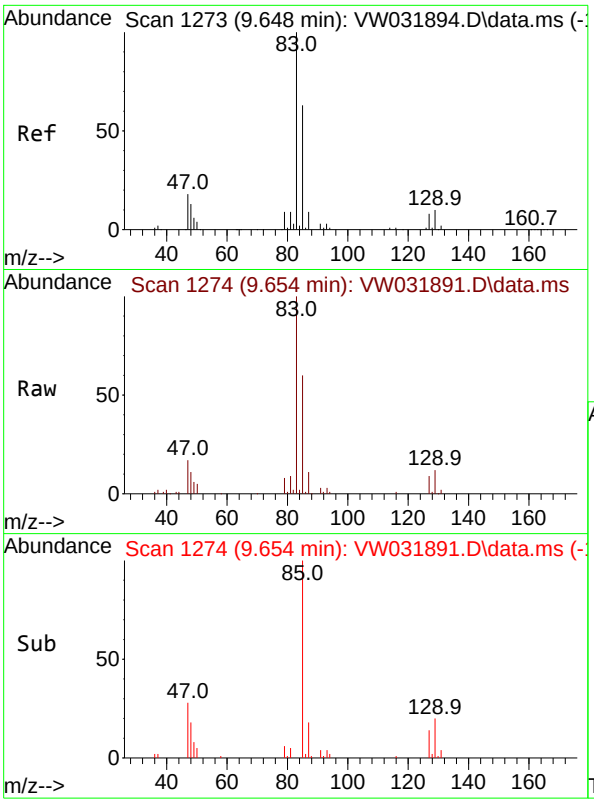


#46
Dibromomethane
Concen: 5.062 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 93 Resp: 10488

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.6
174	85.2	70.2	105.2

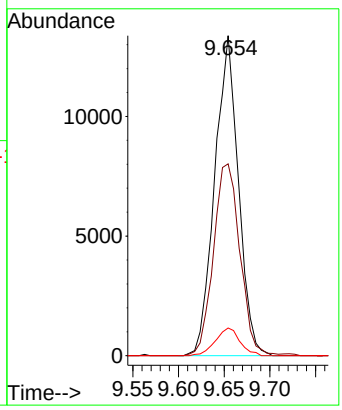




#47
Bromodichloromethane
Concen: 4.856 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 83 Resp: 2412

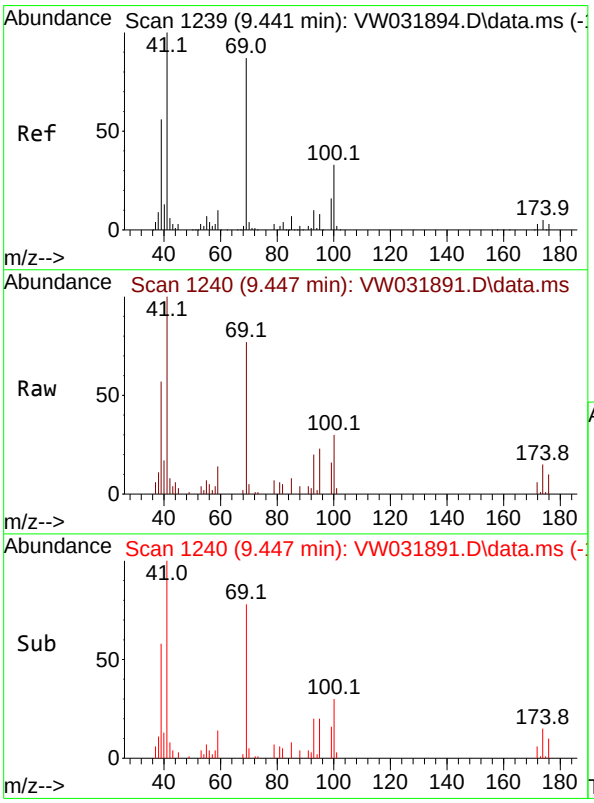
Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.6	76.0
127	8.7	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

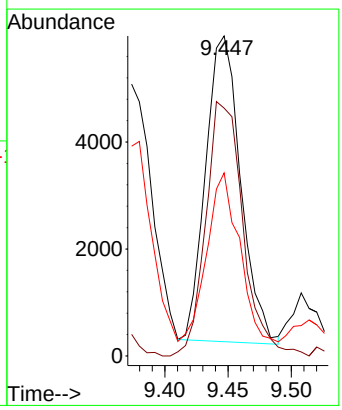
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

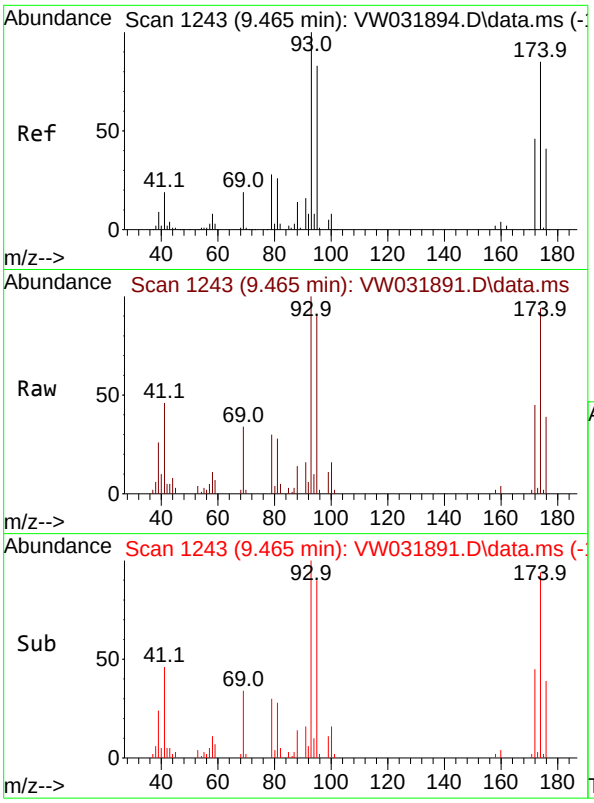


#48
Methyl methacrylate
Concen: 4.768 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 41 Resp: 10983

Ion	Ratio	Lower	Upper
41	100		
69	88.6	73.6	110.4
39	52.3	45.5	68.3

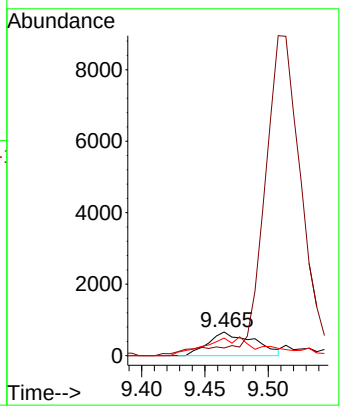




#49
1,4-Dioxane
Concen: 80.493 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 88 Resp: 166

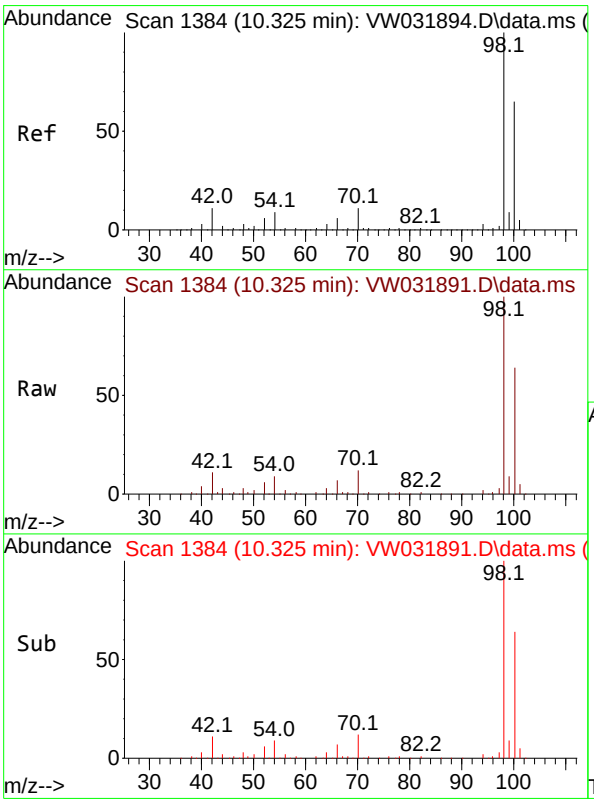
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	71.4	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

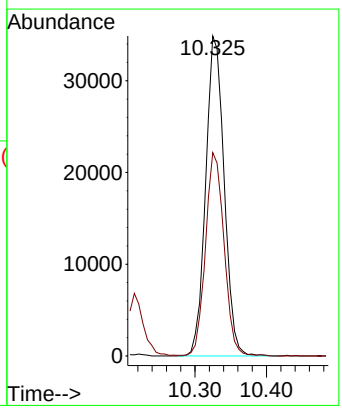
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

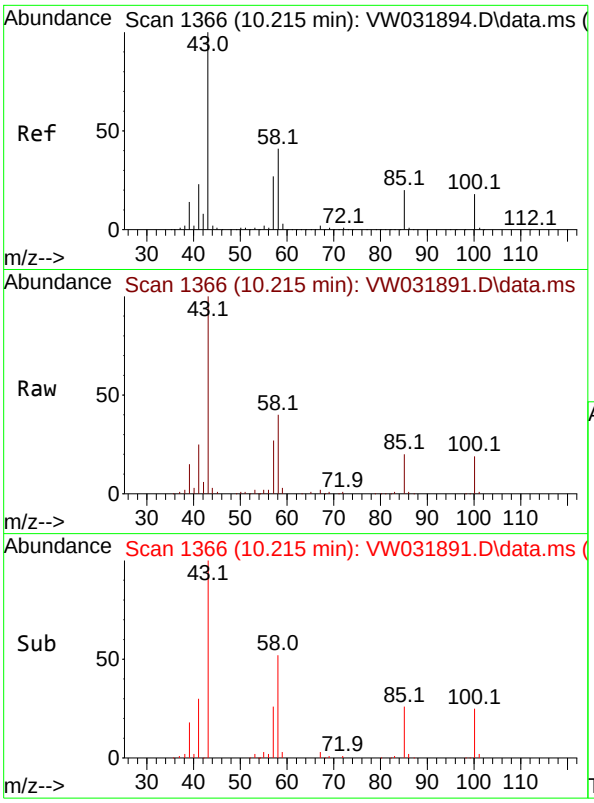


#50
Toluene-d8
Concen: 5.416 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 98 Resp: 62567

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 24.860 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

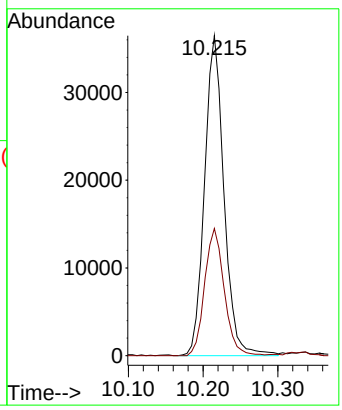
Tgt Ion: 43 Resp: 6586

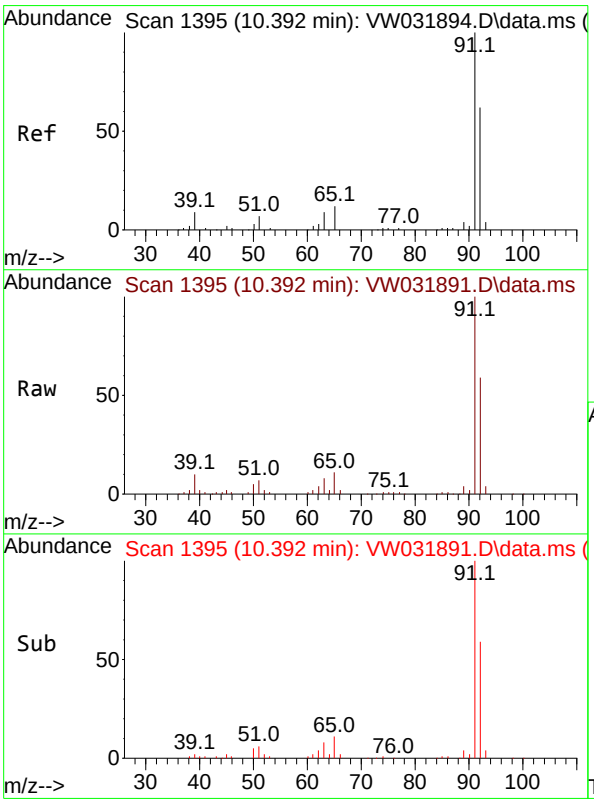
Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

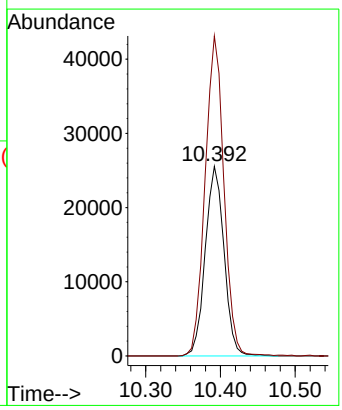


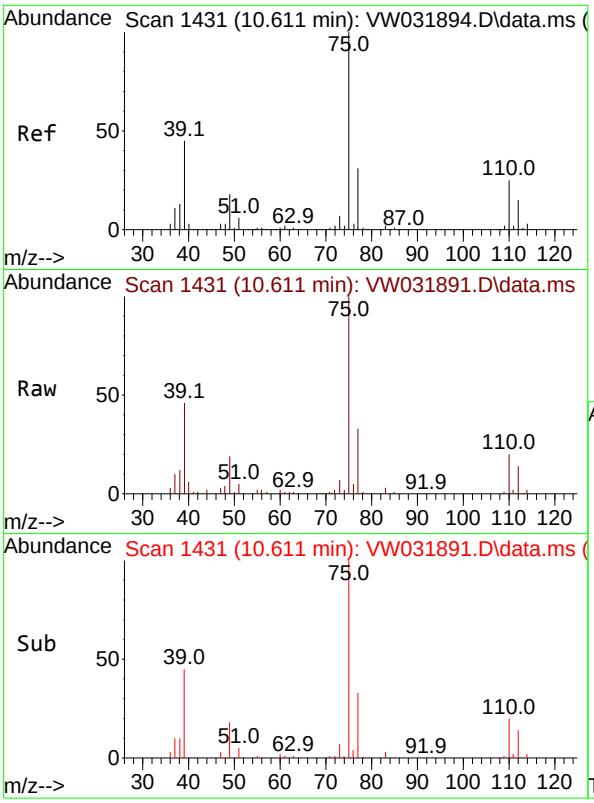


#52
Toluene
Concen: 4.997 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 92 Resp: 44580

Ion	Ratio	Lower	Upper
92	100		
91	169.1	133.7	200.5

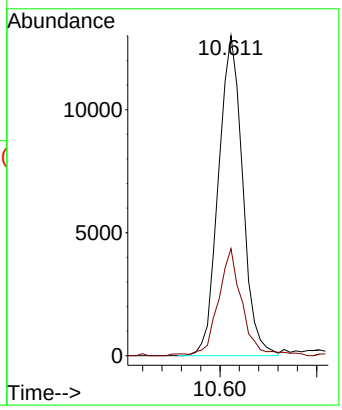




#53
t-1,3-Dichloropropene
Concen: 4.734 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 2256

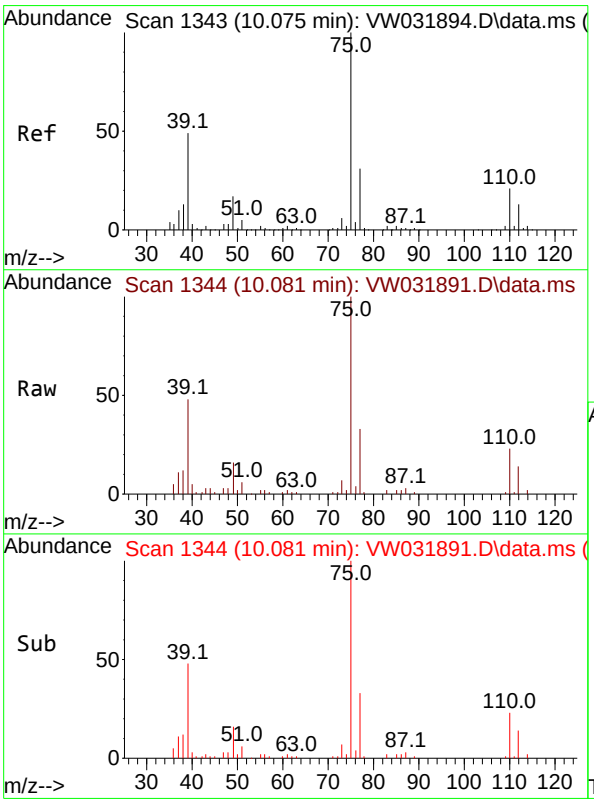
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

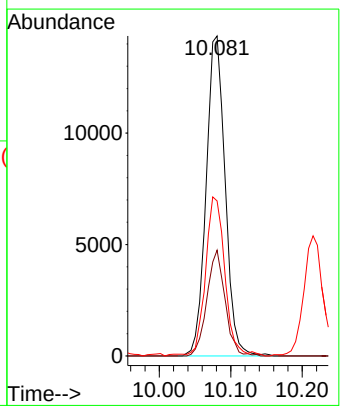
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

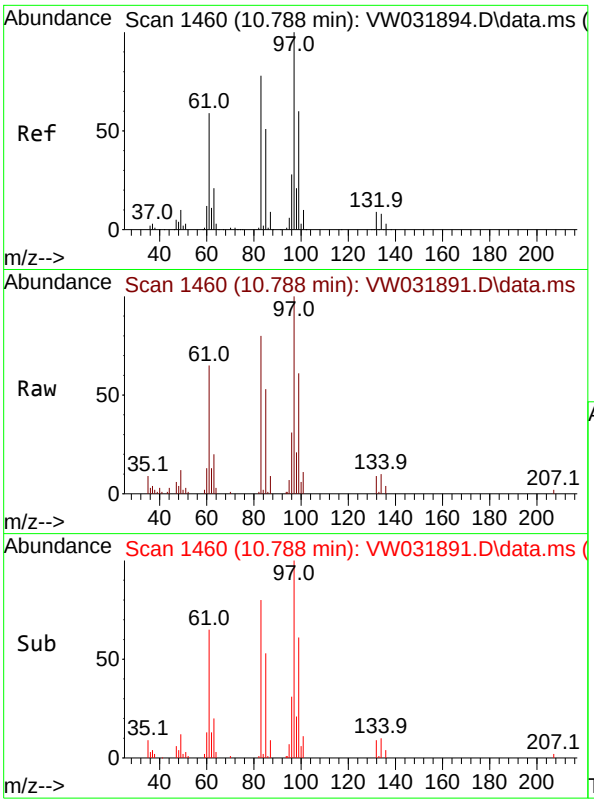


#54
cis-1,3-Dichloropropene
Concen: 4.875 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 26530

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.5	36.7
39	48.0	39.3	58.9

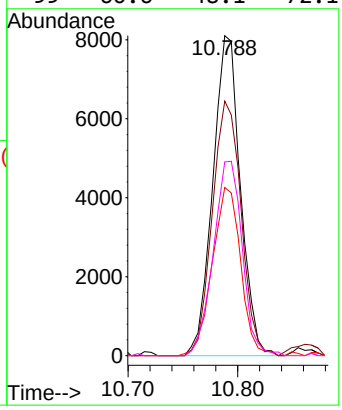




#55
1,1,2-Trichloroethane
Concen: 5.160 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 97 Resp: 1419

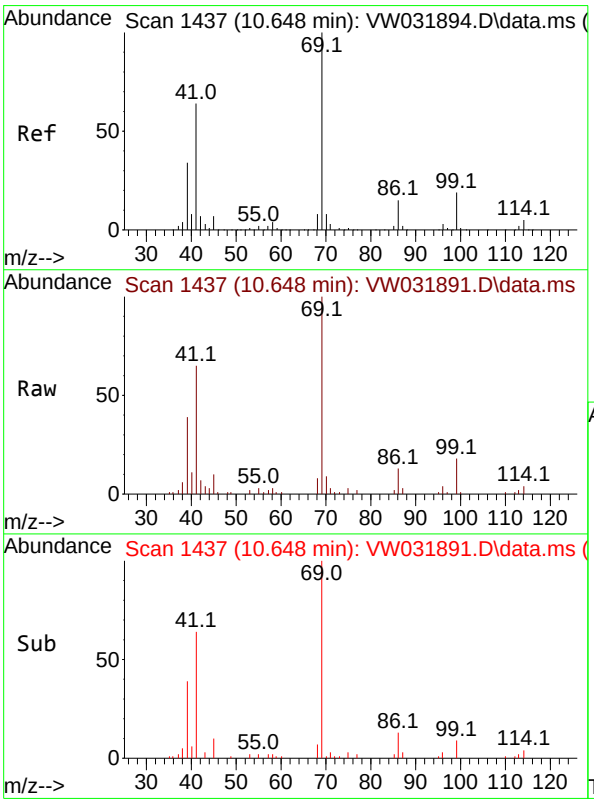
Ion	Ratio	Lower	Upper
97	100		
83	79.5	62.4	93.6
85	52.5	41.0	61.6
99	60.6	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

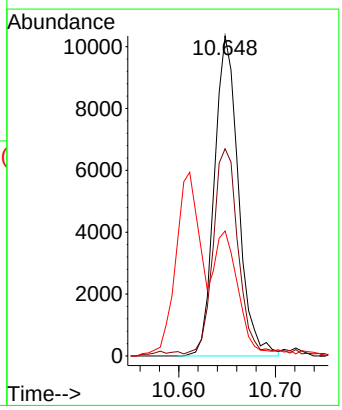
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

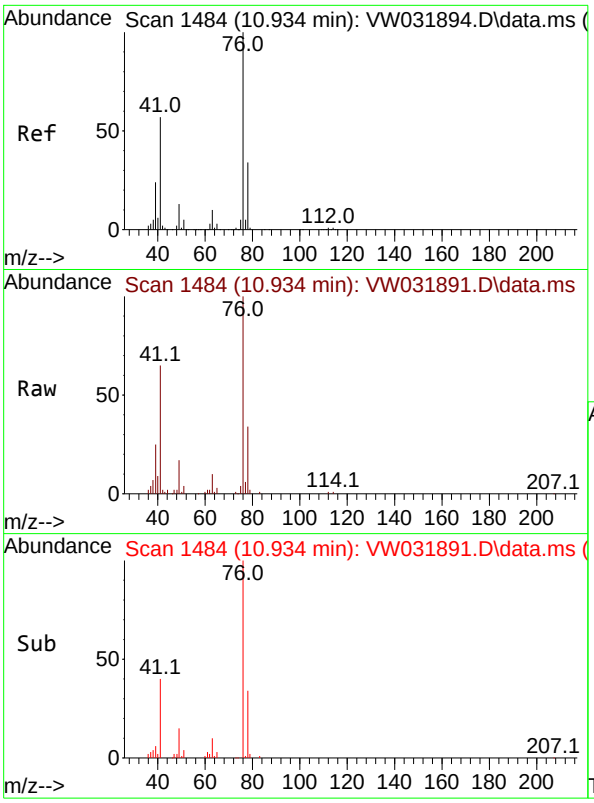


#56
Ethyl methacrylate
Concen: 4.585 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 69 Resp: 17819

Ion	Ratio	Lower	Upper
69	100		
41	70.0	52.0	78.0
39	39.5	26.6	40.0





#57
1,3-Dichloropropane
Concen: 4.985 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

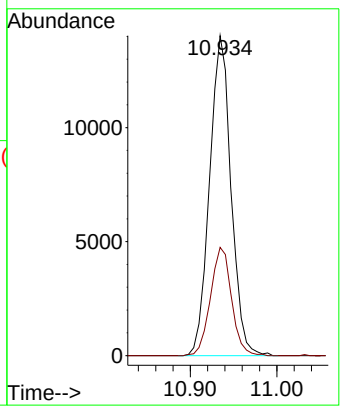
Tgt Ion: 76 Resp: 2416

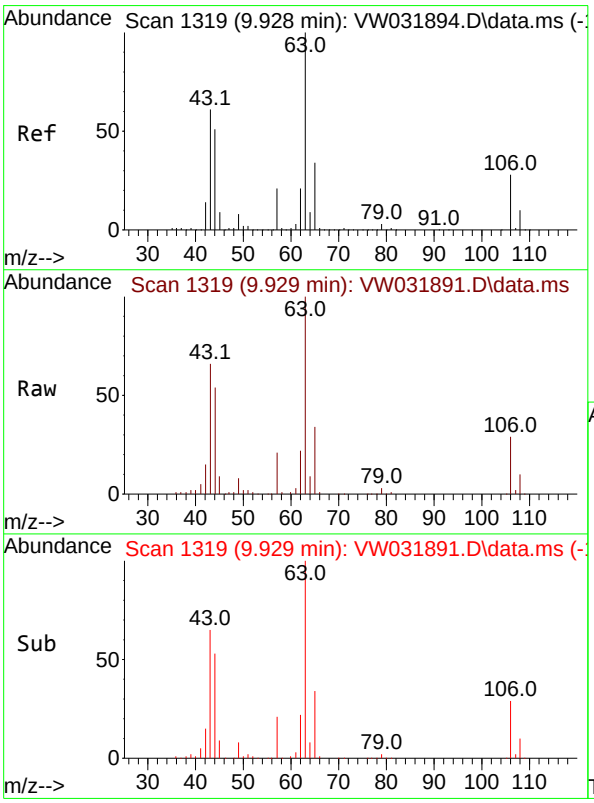
Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

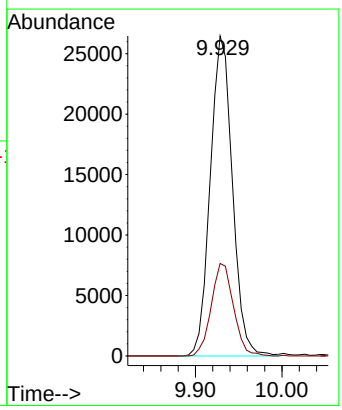


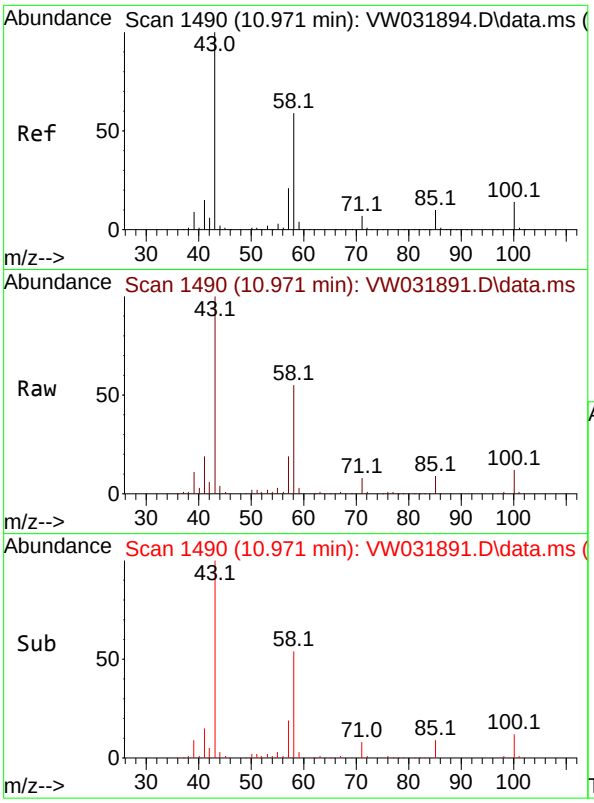


#58
2-Chloroethyl Vinyl ether
Concen: 23.525 ug/l
RT: 9.929 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 63 Resp: 46965

Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1





#59
2-Hexanone
Concen: 24.957 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

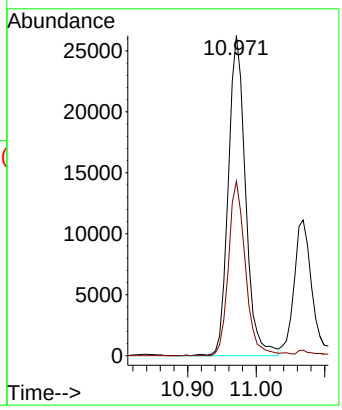
Tgt Ion: 43 Resp: 4596

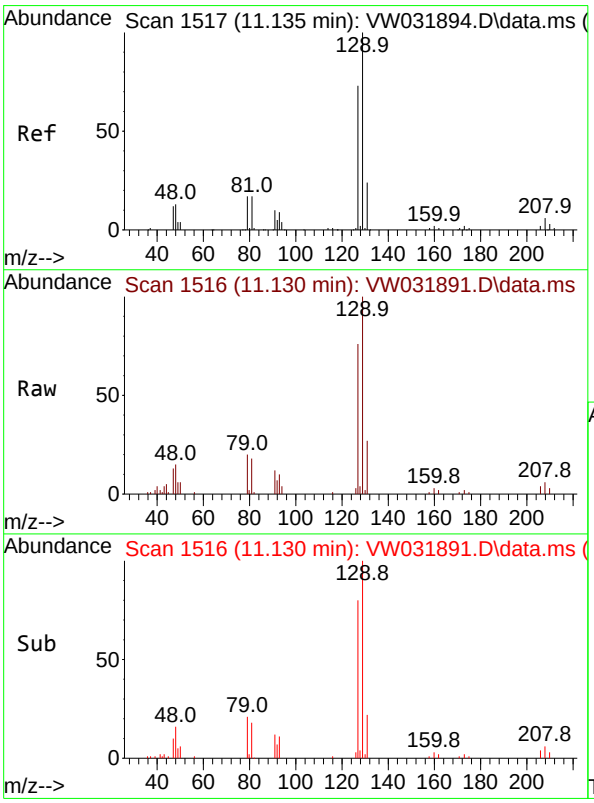
Ion	Ratio	Lower	Upper
43	100		
58	53.9	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

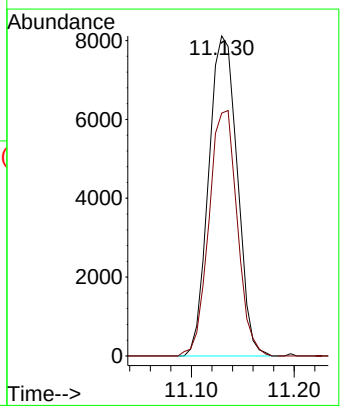


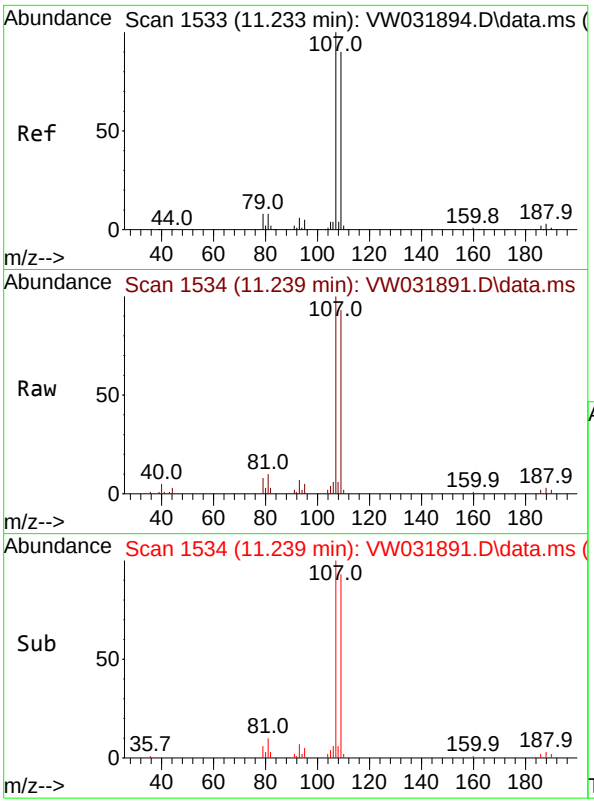


#60
Dibromochloromethane
Concen: 4.882 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:129 Resp: 15663

Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.6	118.8

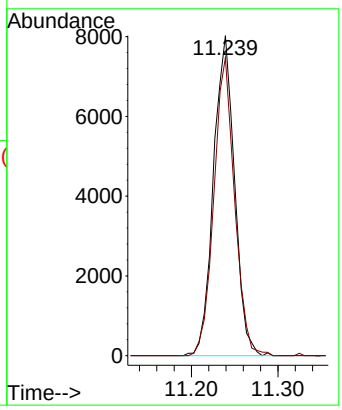




#61
1,2-Dibromoethane
Concen: 4.981 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:107 Resp: 1354

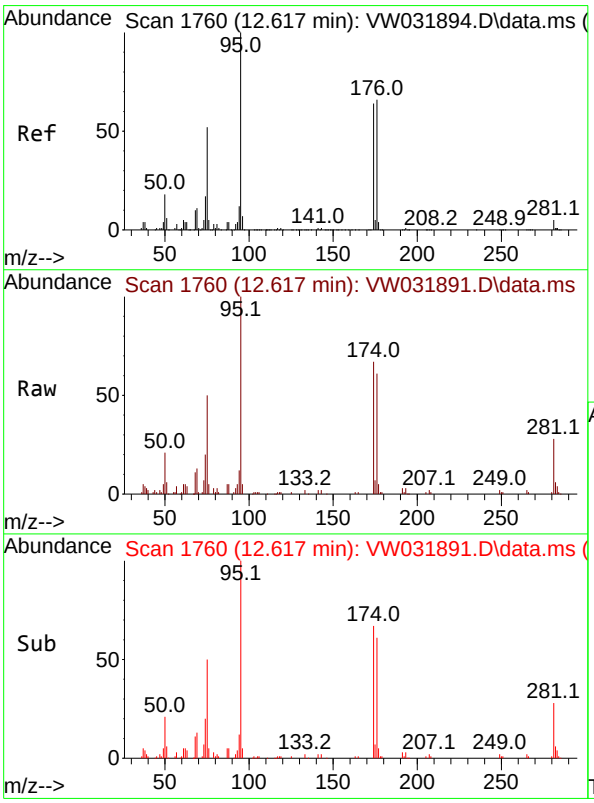
Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

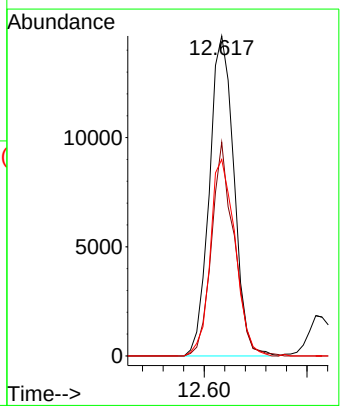
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

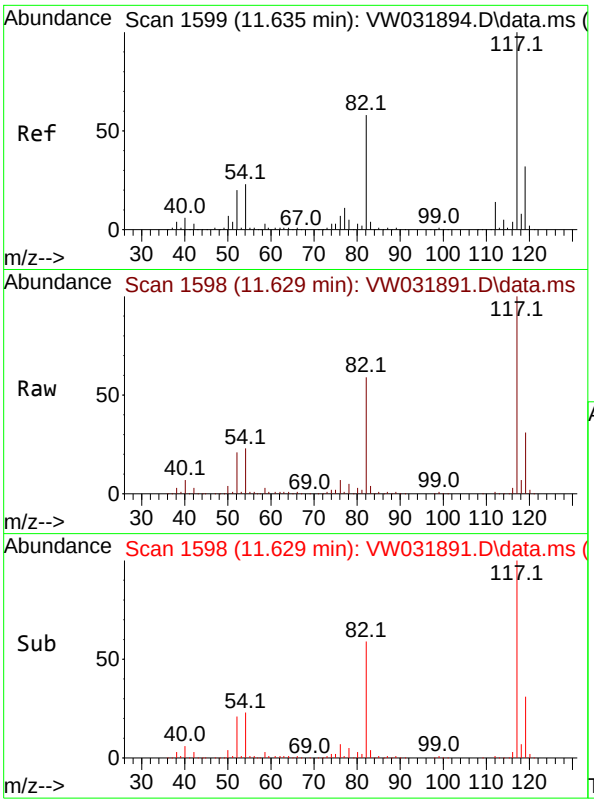


#62
4-Bromofluorobenzene
Concen: 5.484 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 95 Resp: 24327

Ion	Ratio	Lower	Upper
95	100		
174	61.1	0.0	129.8
176	62.4	0.0	130.4

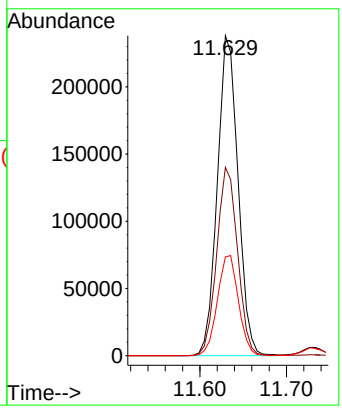




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:117 Resp: 39480

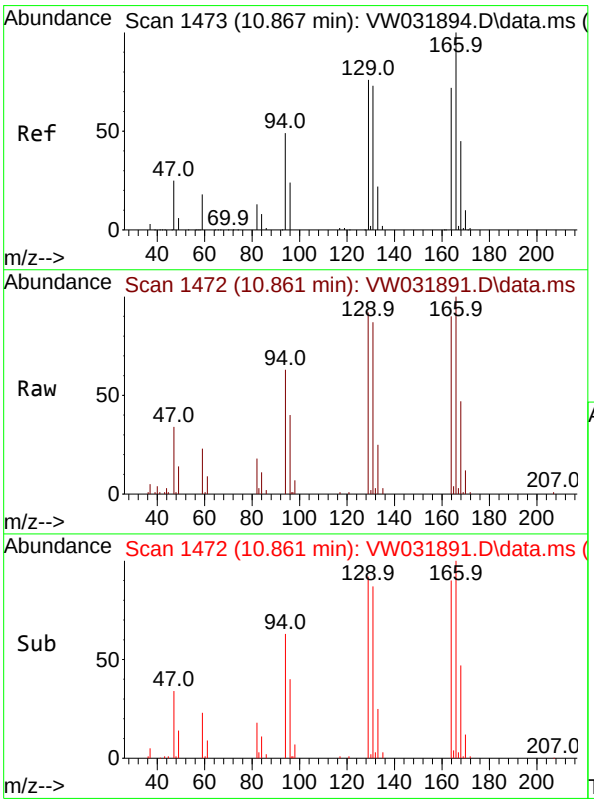
Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	30.8	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

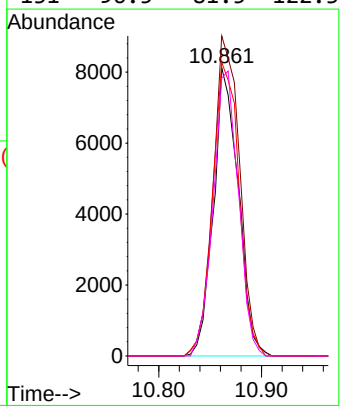
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

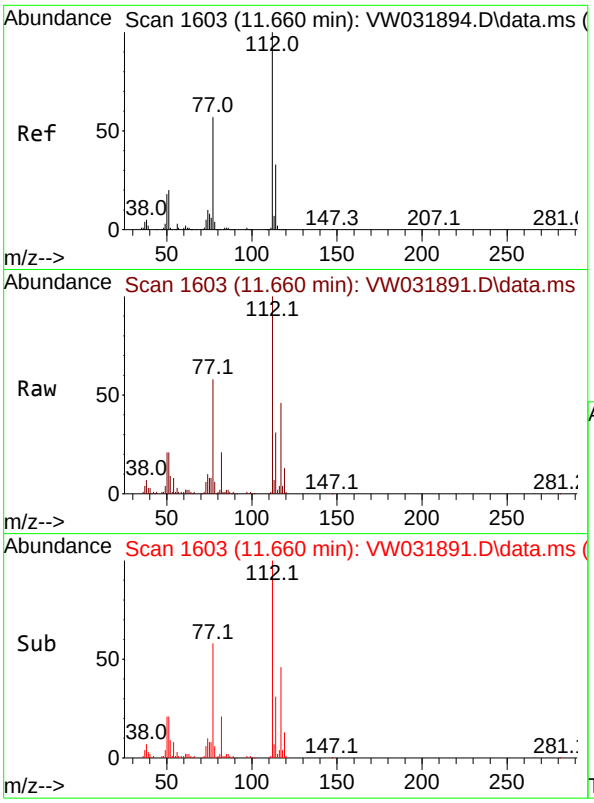


#64
Tetrachloroethene
Concen: 5.228 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:164 Resp: 13609

Ion	Ratio	Lower	Upper
164	100		
166	111.0	111.5	167.3#
129	101.9	85.1	127.7
131	96.5	81.5	122.3

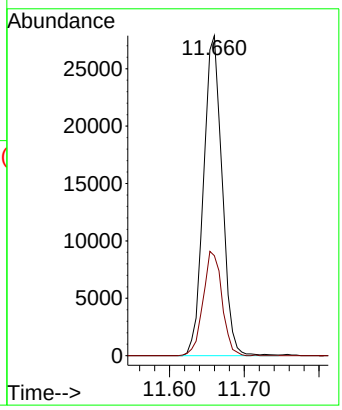




#65
Chlorobenzene
Concen: 4.967 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:112 Resp: 4799

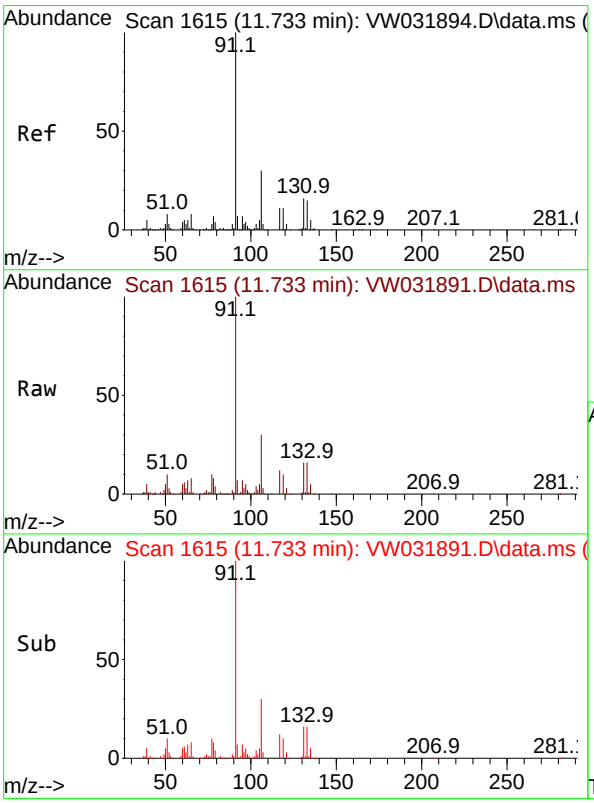
Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

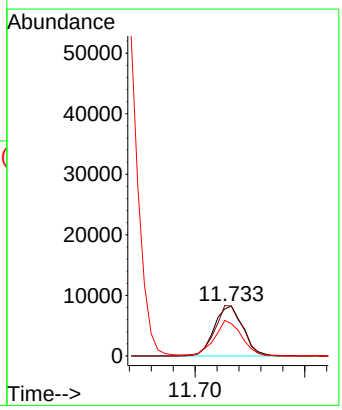
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

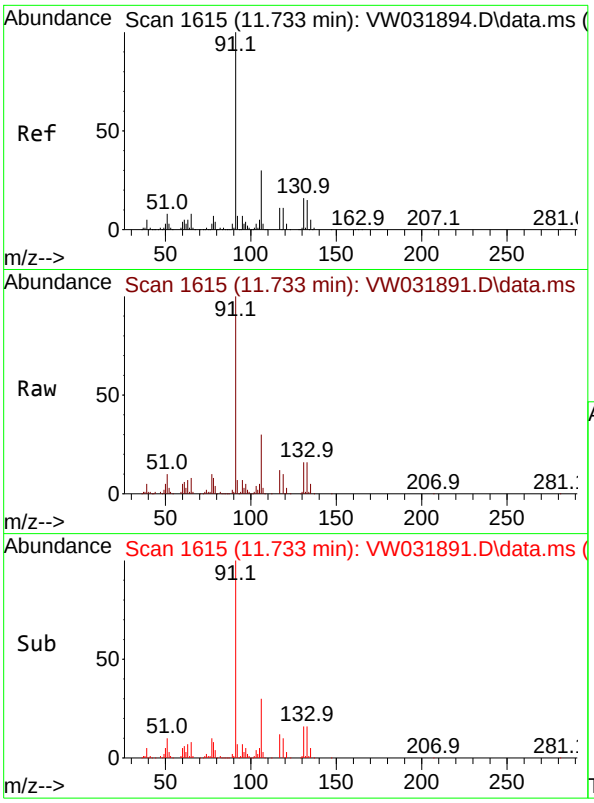


#66
1,1,1,2-Tetrachloroethane
Concen: 4.992 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:131 Resp: 14955

Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.1	144.4
119	68.3	33.7	101.1

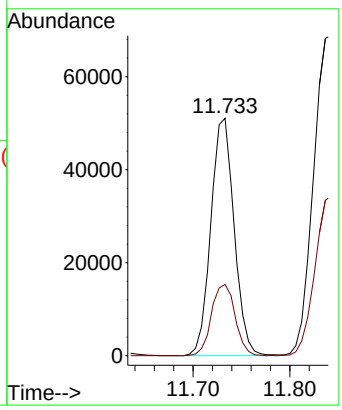




#67
Ethyl Benzene
Concen: 5.039 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 8554(

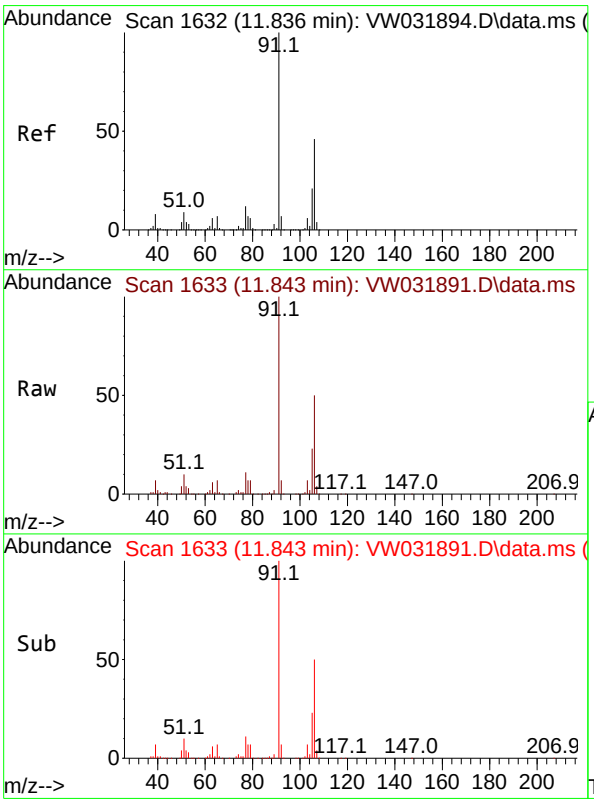
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

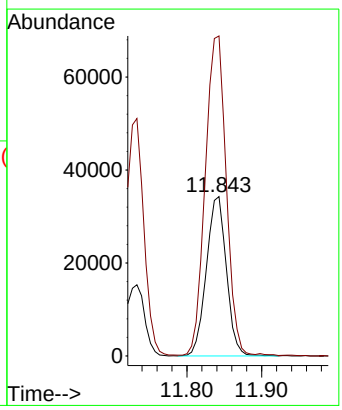
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

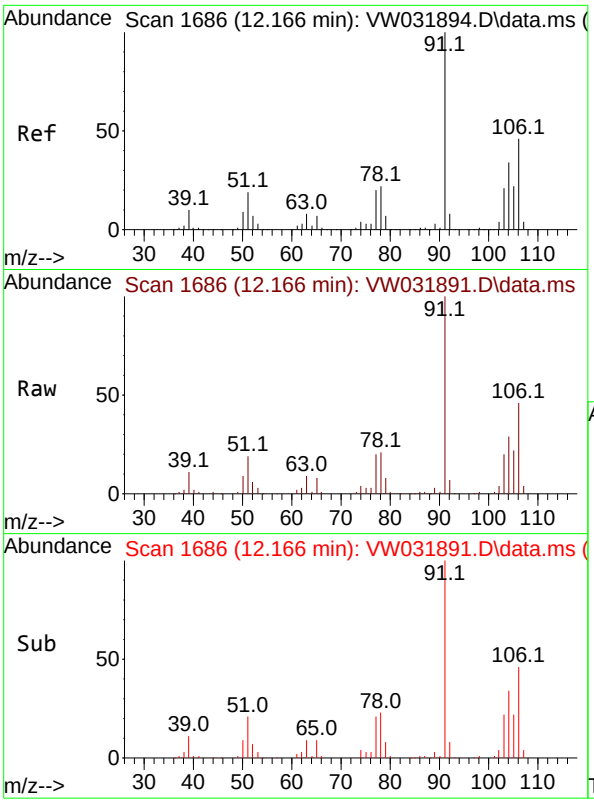


#68
m/p-Xylenes
Concen: 9.986 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:106 Resp: 63820

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.7	251.5





#69
o-Xylene
Concen: 4.793 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

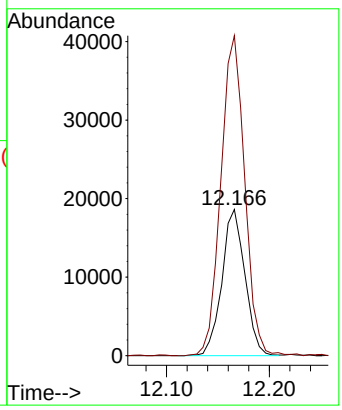
Tgt Ion:106 Resp: 2898

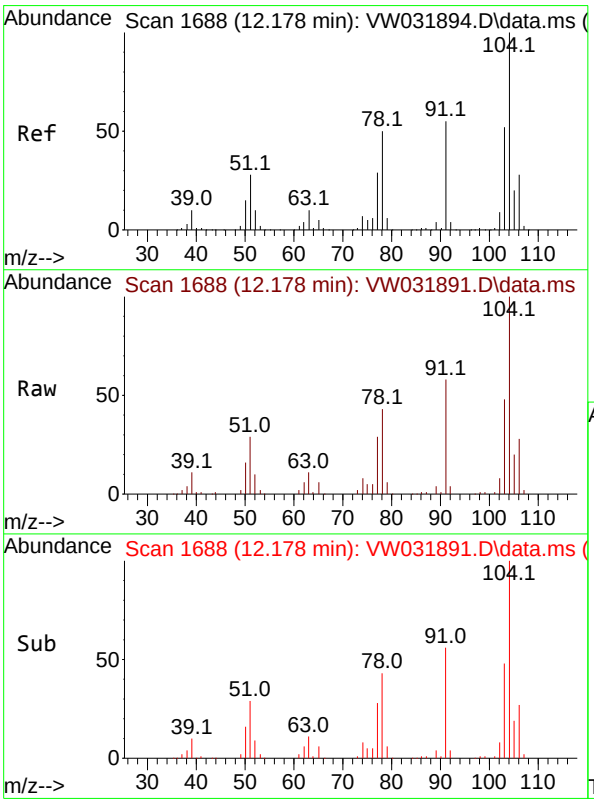
Ion	Ratio	Lower	Upper
106	100		
91	226.5	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

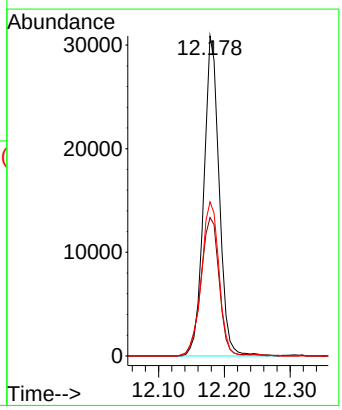


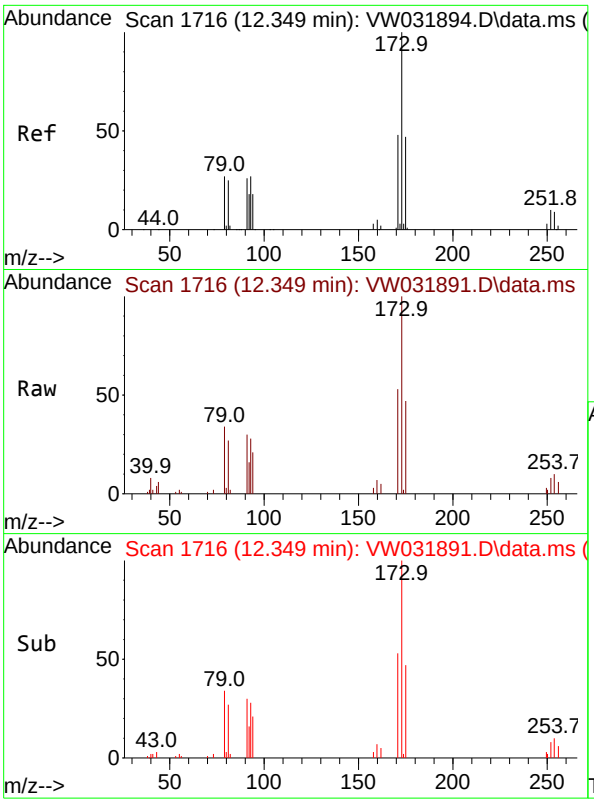


#70
Styrene
Concen: 4.894 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:104 Resp: 50399

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.2	63.4
103	54.7	42.8	64.2

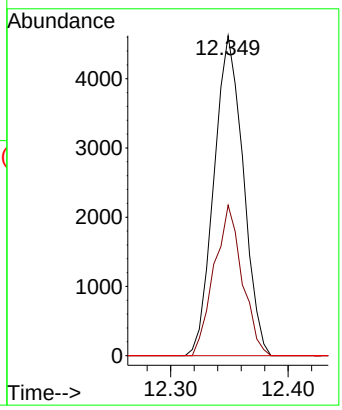




#71
Bromoform
Concen: 4.877 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:173 Resp: 798

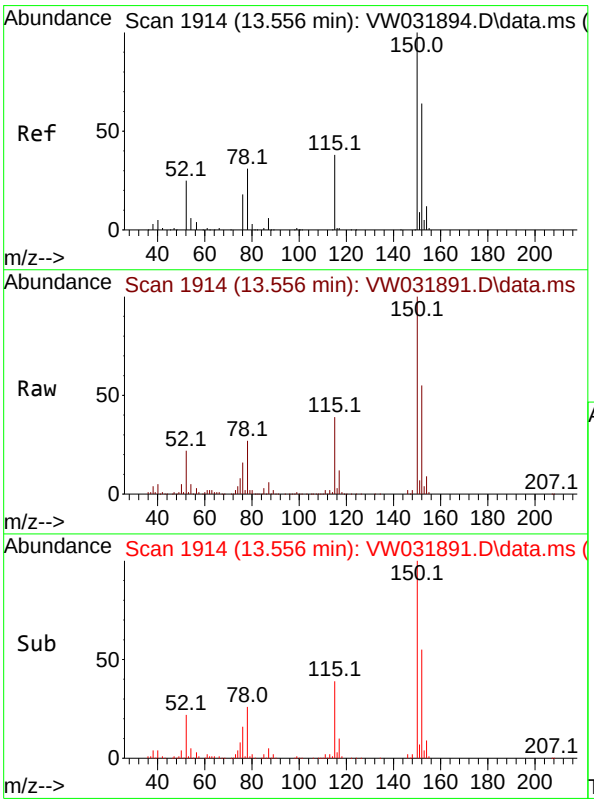
Ion	Ratio	Lower	Upper
173	100		
175	45.2	24.5	73.5
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

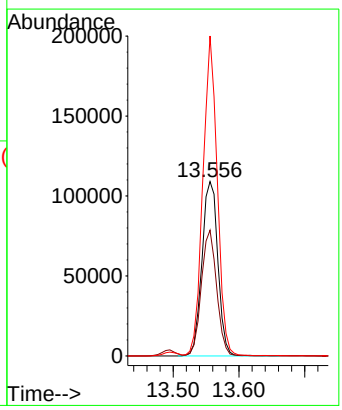
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

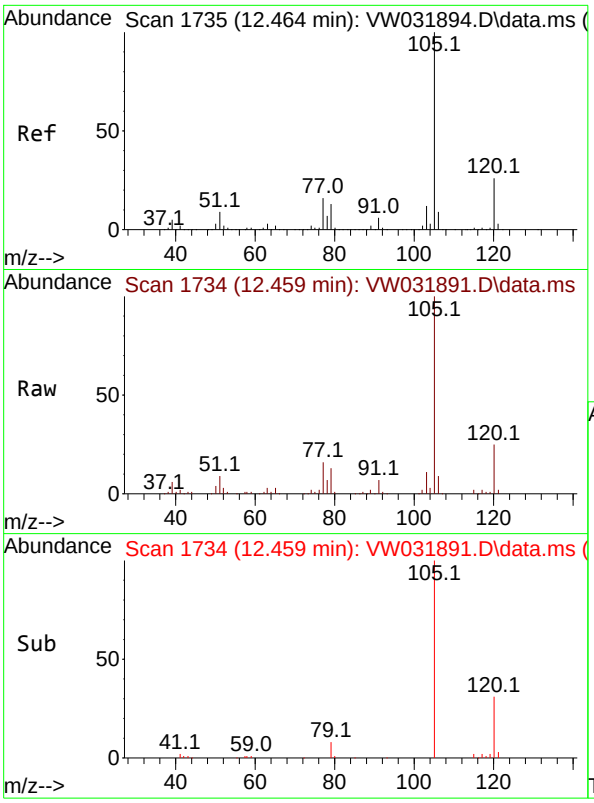


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:152 Resp: 183530

Ion	Ratio	Lower	Upper
152	100		
115	69.1	33.4	100.1
150	165.3	0.0	352.2

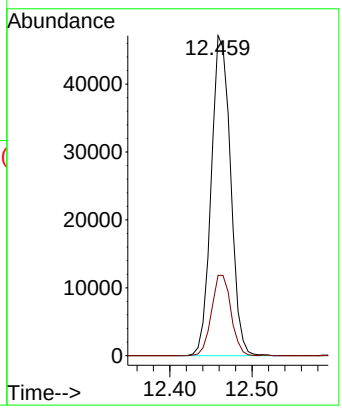




#73
Isopropylbenzene
Concen: 4.832 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:105 Resp: 7694

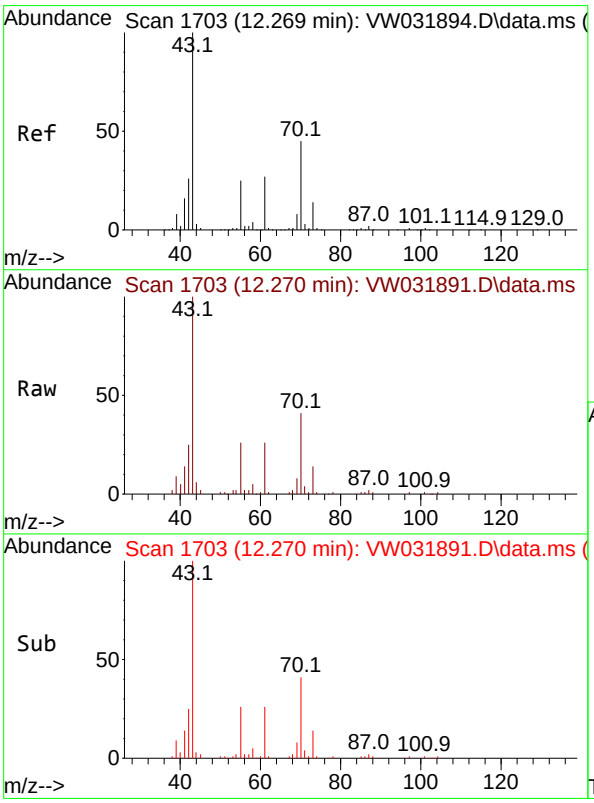
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

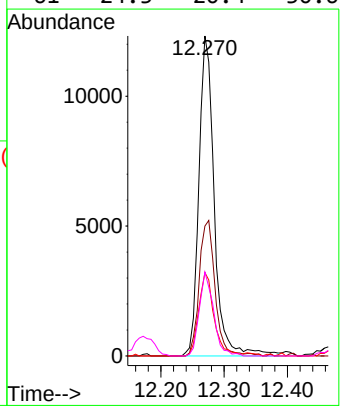
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

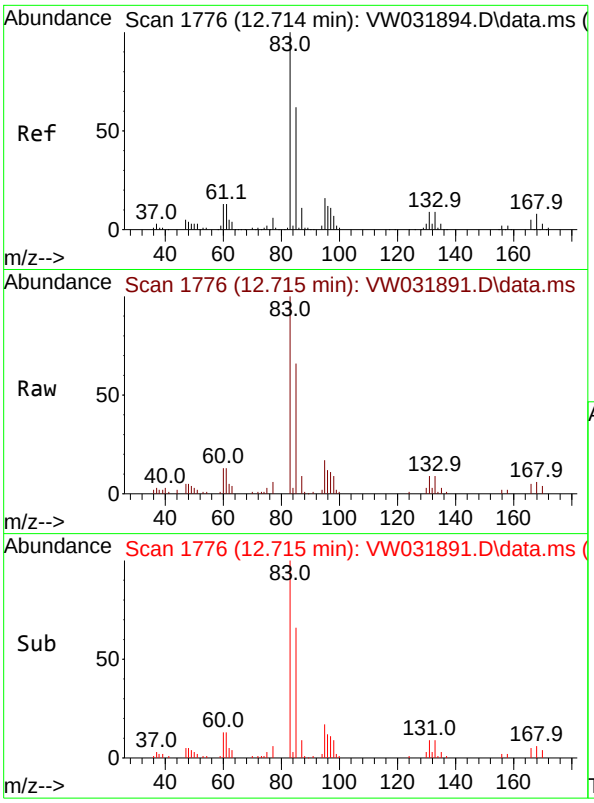


#74
N-amyl acetate
Concen: 4.852 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 20889

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.6	55.0
55	25.8	20.7	31.1
61	24.3	20.4	30.6

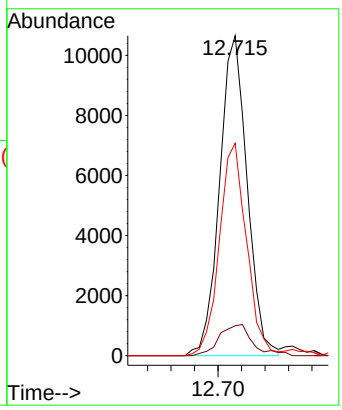




#75
1,1,2,2-Tetrachloroethane
Concen: 5.139 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 83 Resp: 1737

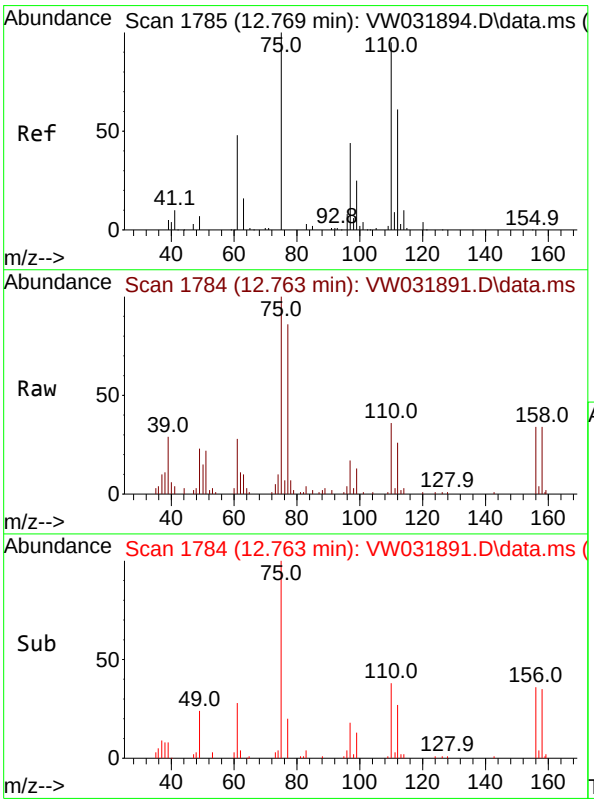
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.0	15.0
85	65.3	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

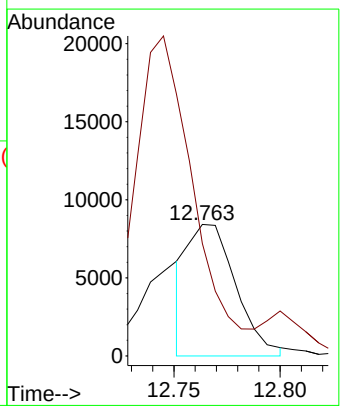
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

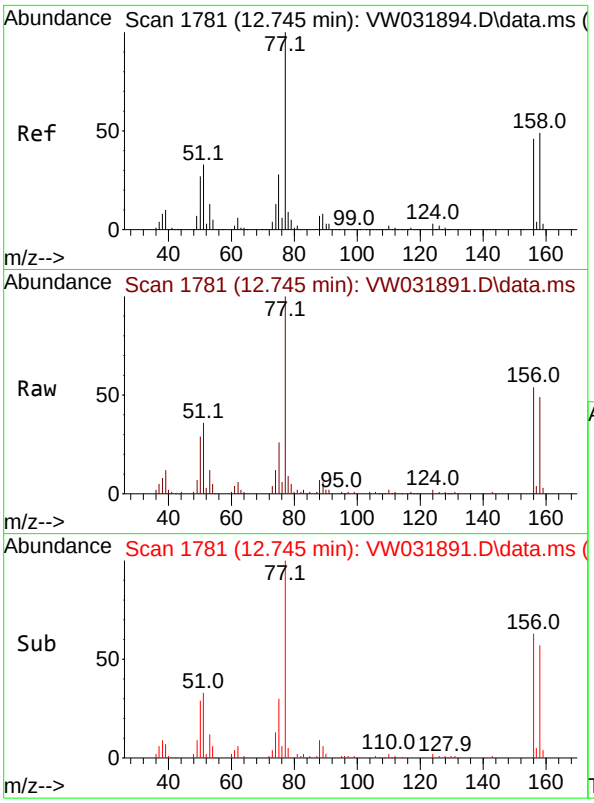


#76
1,2,3-Trichloropropane
Concen: 5.320 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 13366

Ion	Ratio	Lower	Upper
75	100		
77	297.1	0.0	0.0#

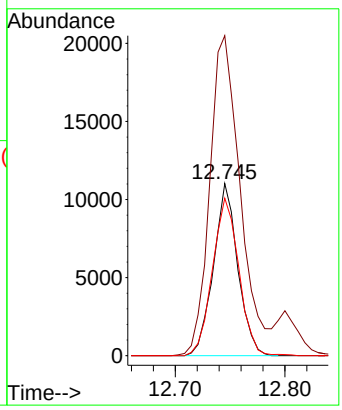




#77
Bromobenzene
Concen: 4.924 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:156 Resp: 1696

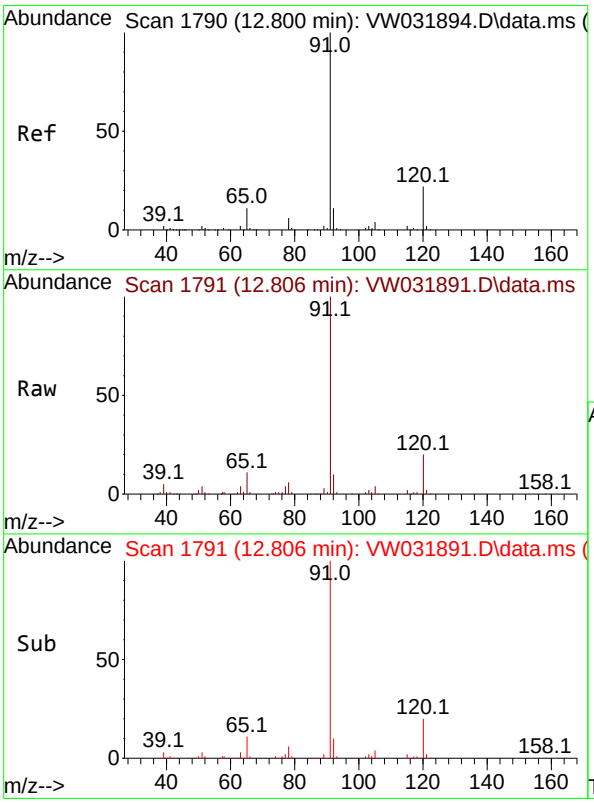
Ion	Ratio	Lower	Upper
156	100		
77	234.1	115.3	345.8
158	99.4	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

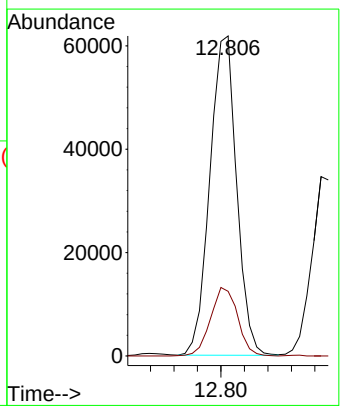
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

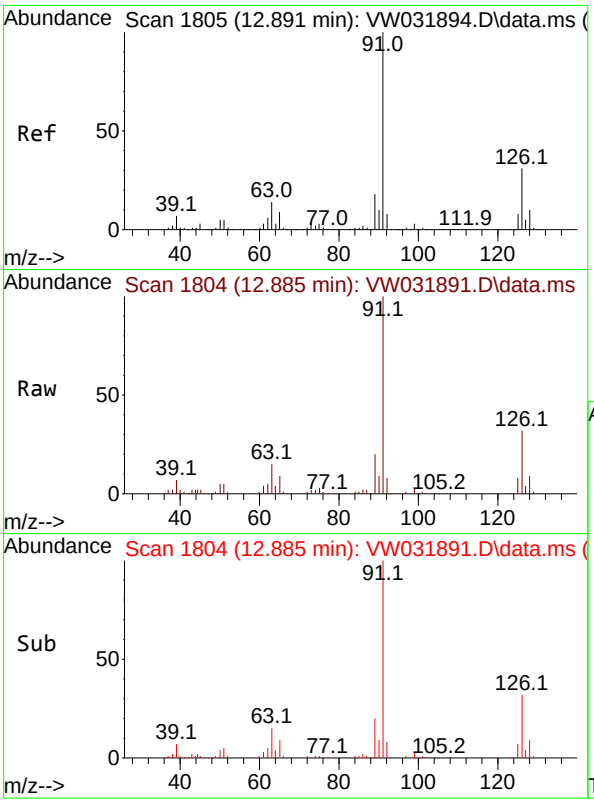


#78
n-propylbenzene
Concen: 5.008 ug/l
RT: 12.806 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 97940

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 5.023 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

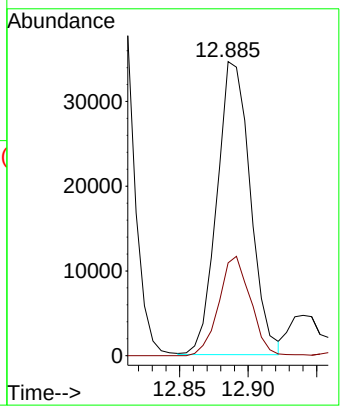
Tgt Ion: 91 Resp: 5865

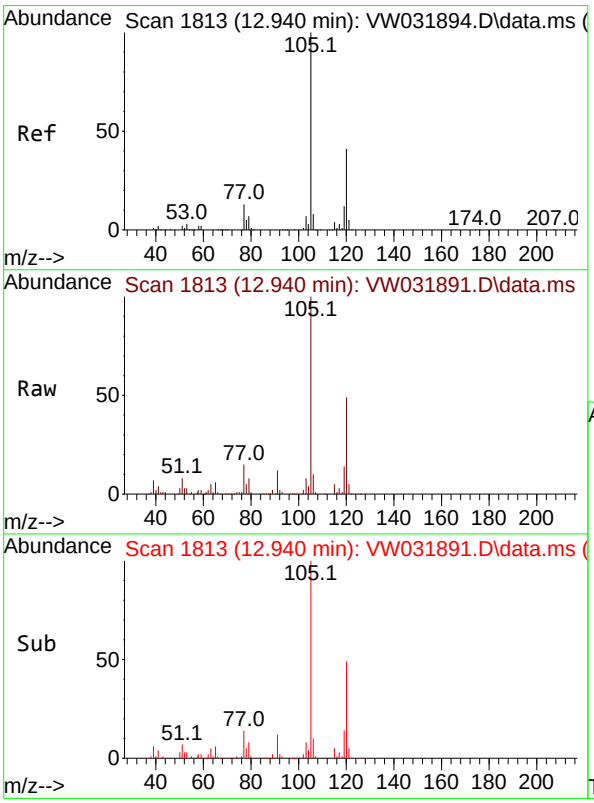
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

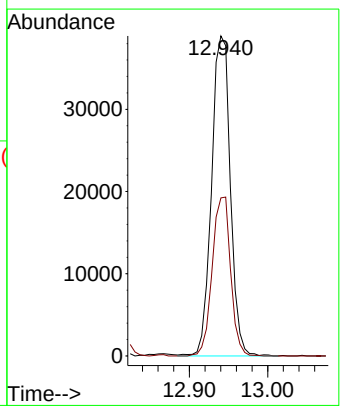


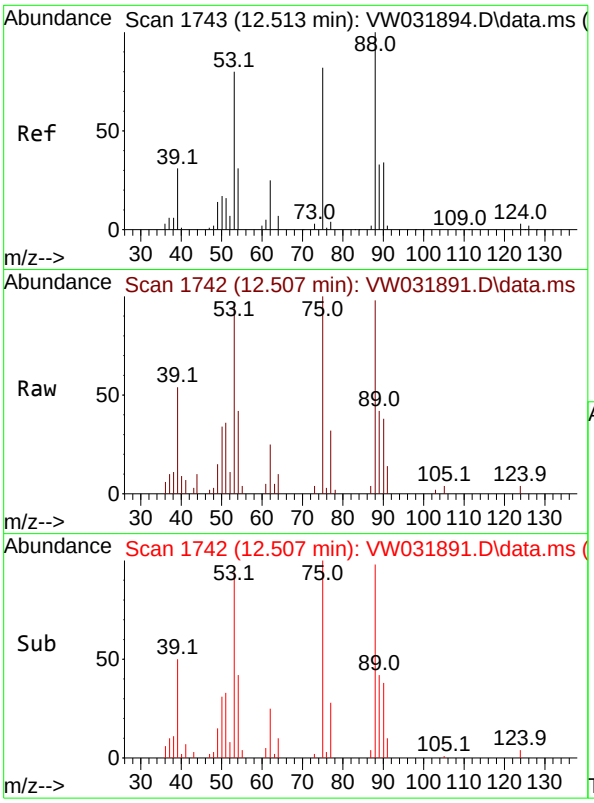


#80
1,3,5-Trimethylbenzene
Concen: 4.859 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:105 Resp: 64888

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.603 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

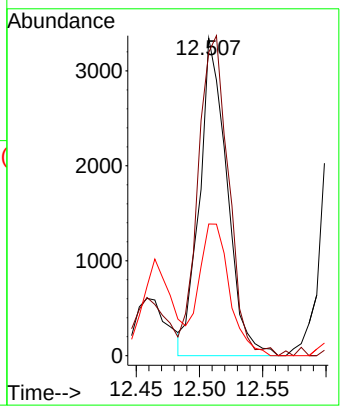
Tgt Ion: 75 Resp: 505

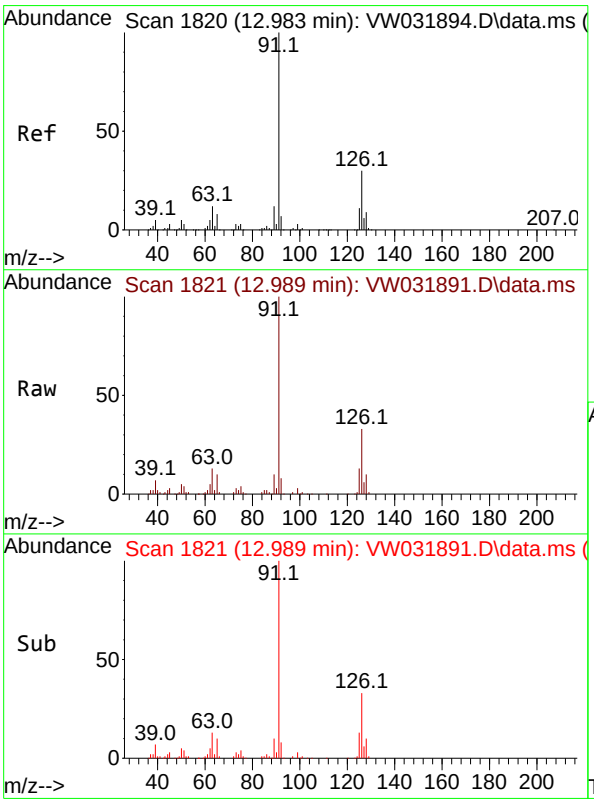
Ion	Ratio	Lower	Upper
75	100		
53	111.4	83.7	125.5
89	45.8	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

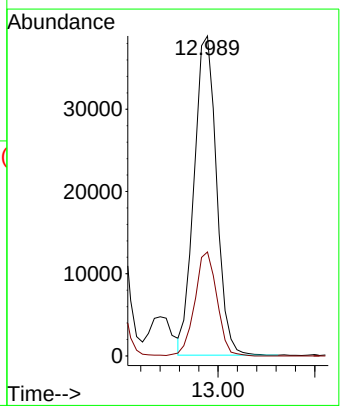


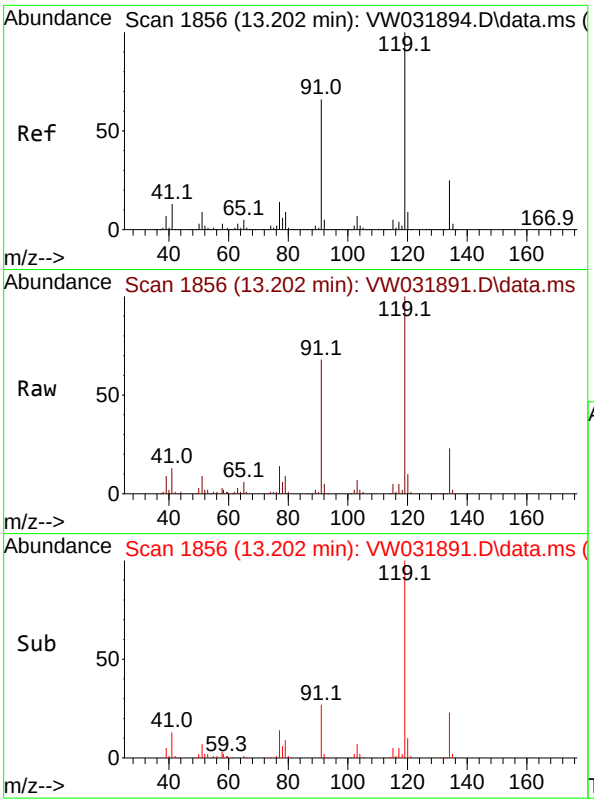


#82
4-Chlorotoluene
Concen: 5.115 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 62666

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.8	47.3

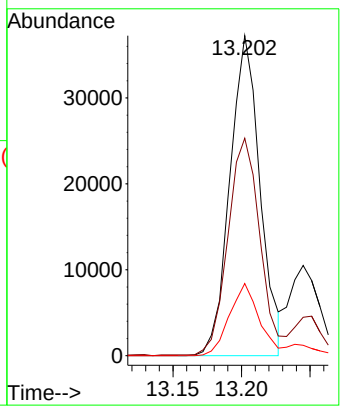




#83
tert-Butylbenzene
Concen: 5.009 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:119 Resp: 5698

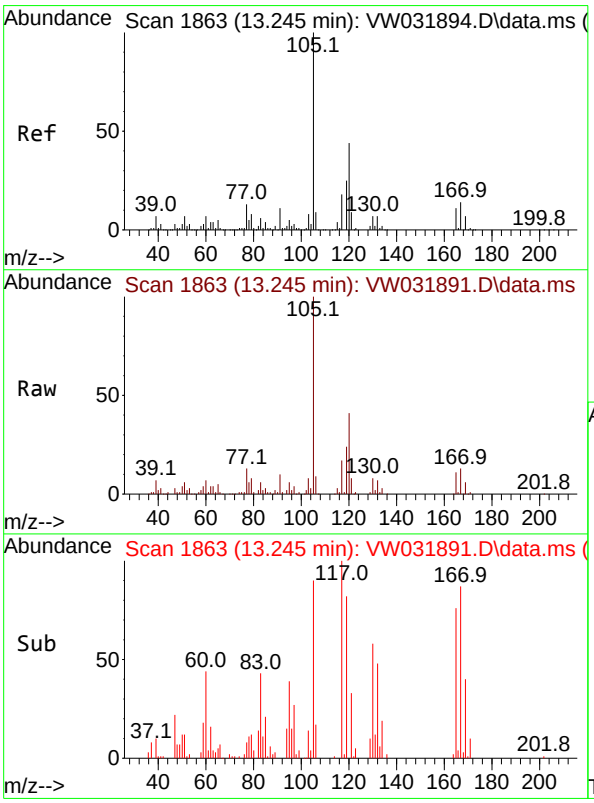
Ion	Ratio	Lower	Upper
119	100		
91	73.2	35.5	106.5
134	22.8	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

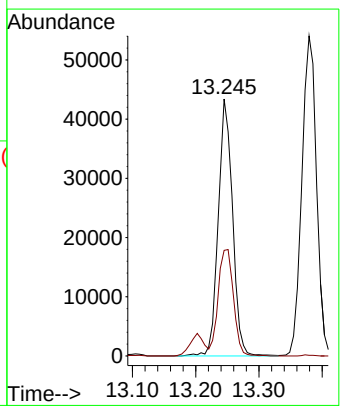
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

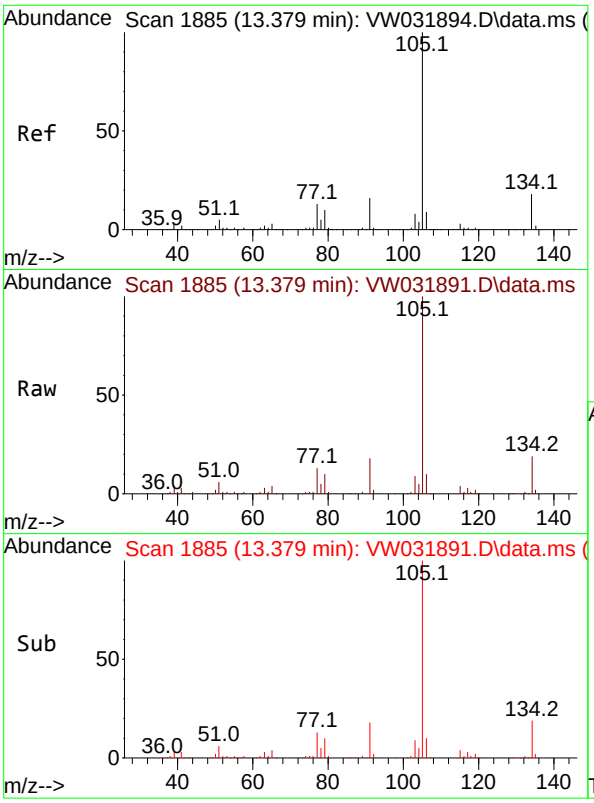


#84
1,2,4-Trimethylbenzene
Concen: 5.022 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:105 Resp: 67882

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.3	63.9





#85
sec-Butylbenzene
Concen: 5.066 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

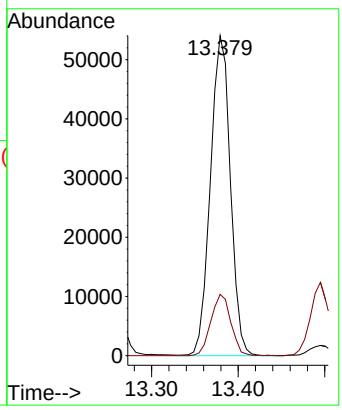
Tgt Ion:105 Resp: 8654

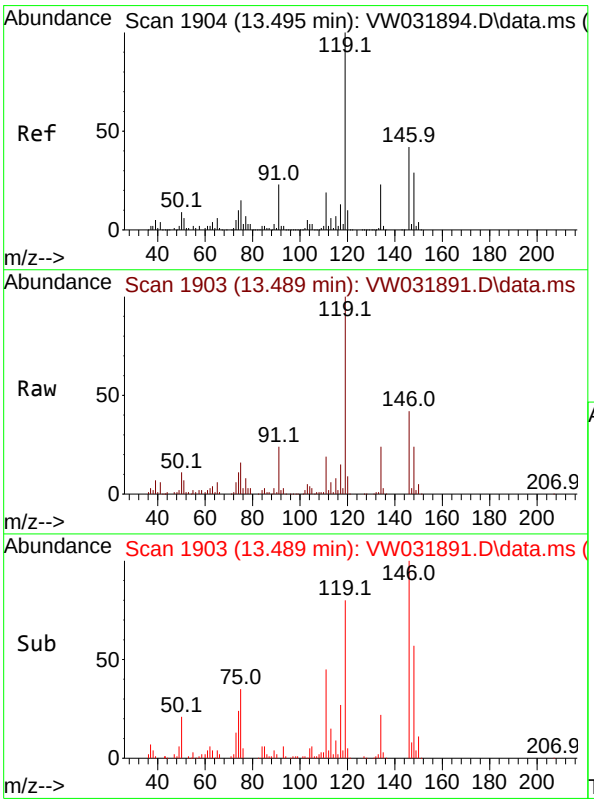
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

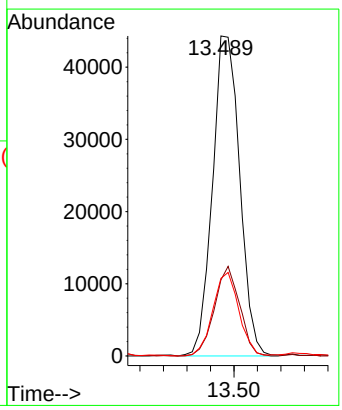


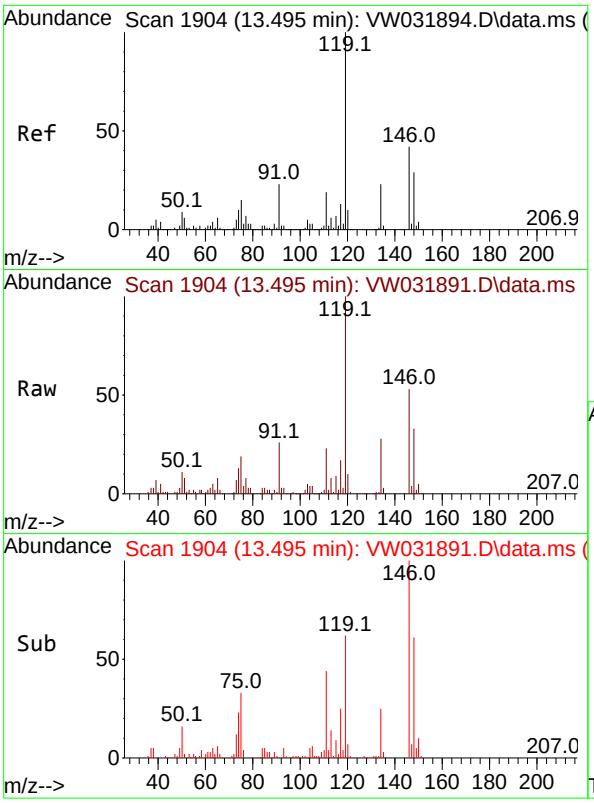


#86
p-Isopropyltoluene
Concen: 5.059 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:119 Resp: 71432

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.7	38.1

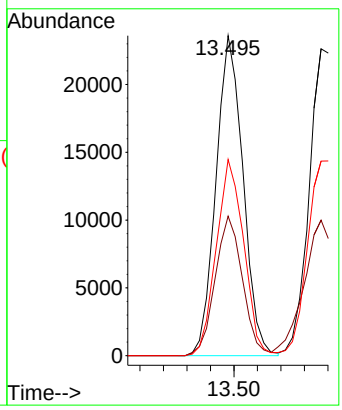




#87
1,3-Dichlorobenzene
Concen: 5.271 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:146 Resp: 3780

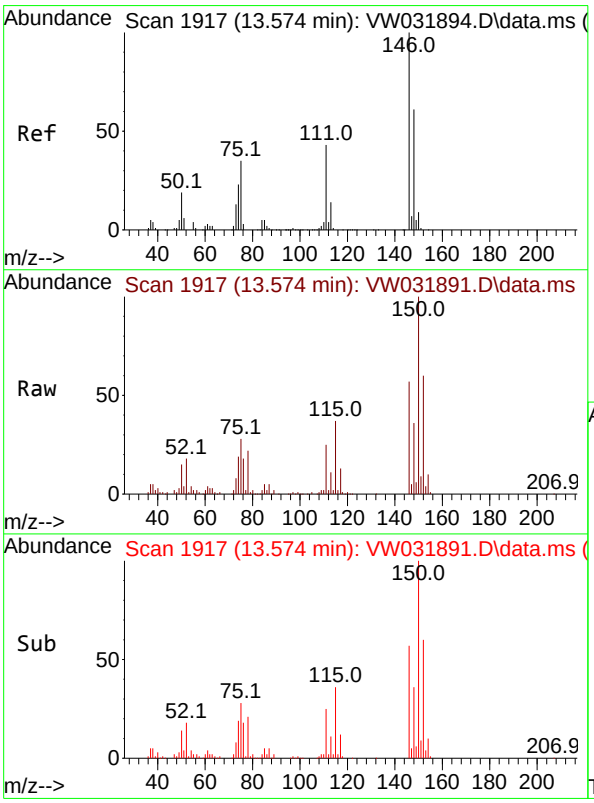
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.7
148	61.9	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

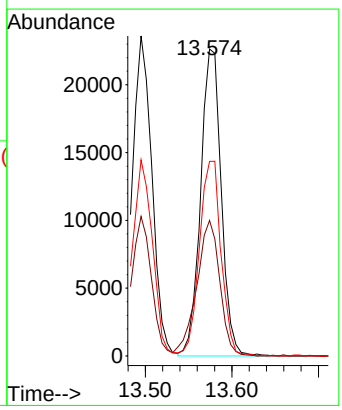
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

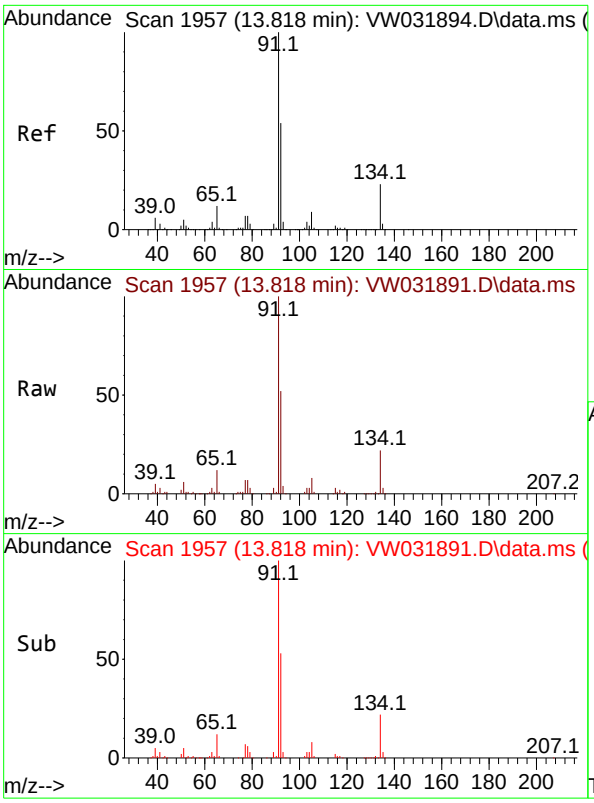


#88
1,4-Dichlorobenzene
Concen: 5.340 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:146 Resp: 37516

Ion	Ratio	Lower	Upper
146	100		
111	49.5	22.1	66.3
148	67.1	31.8	95.3

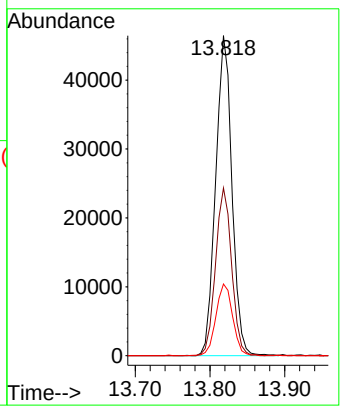




#89
n-Butylbenzene
Concen: 5.090 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 7050

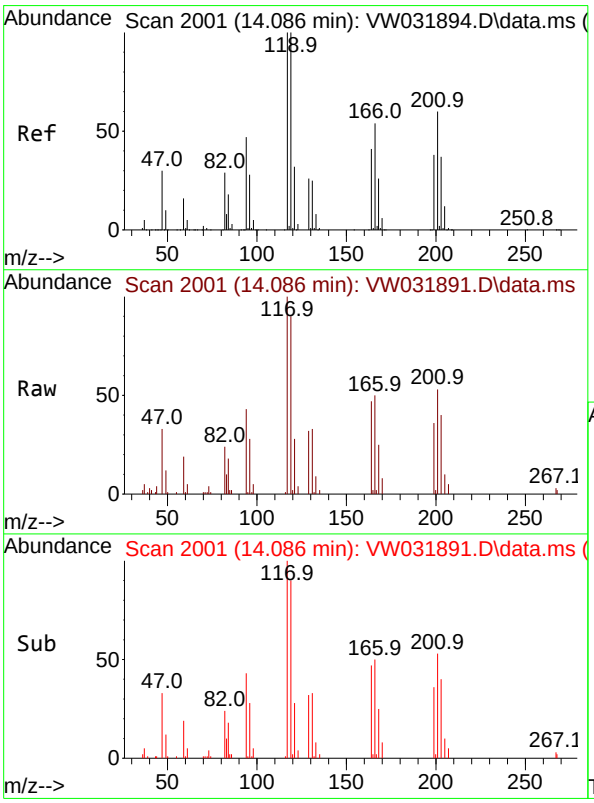
Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.2	81.5
134	23.0	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

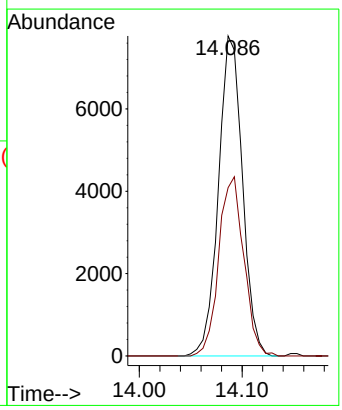
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

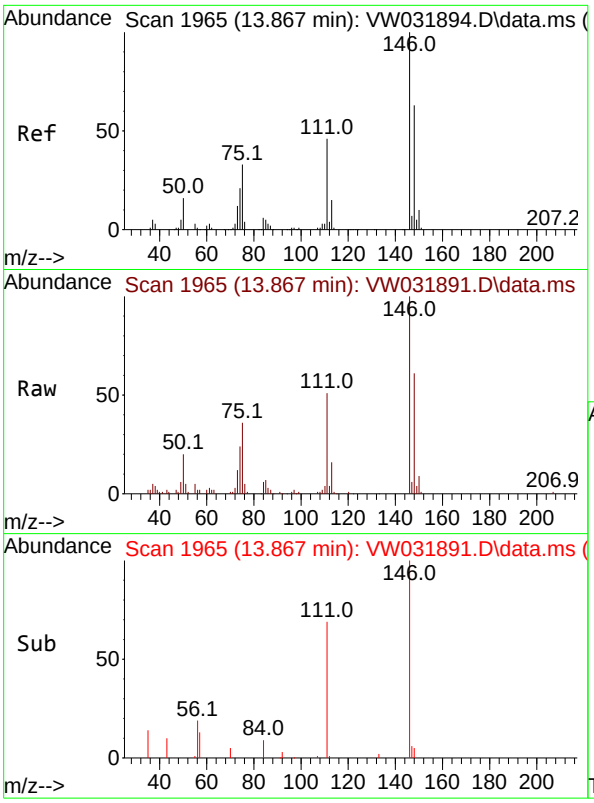


#90
Hexachloroethane
Concen: 5.154 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:117 Resp: 12586

Ion	Ratio	Lower	Upper
117	100		
201	58.5	28.4	85.2

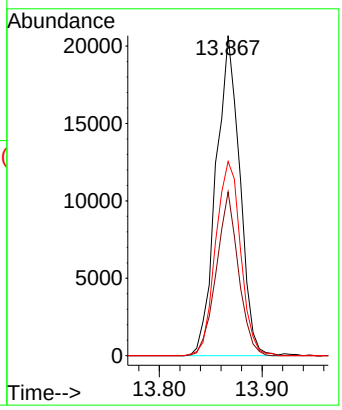




#91
1,2-Dichlorobenzene
Concen: 5.213 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:146 Resp: 3313

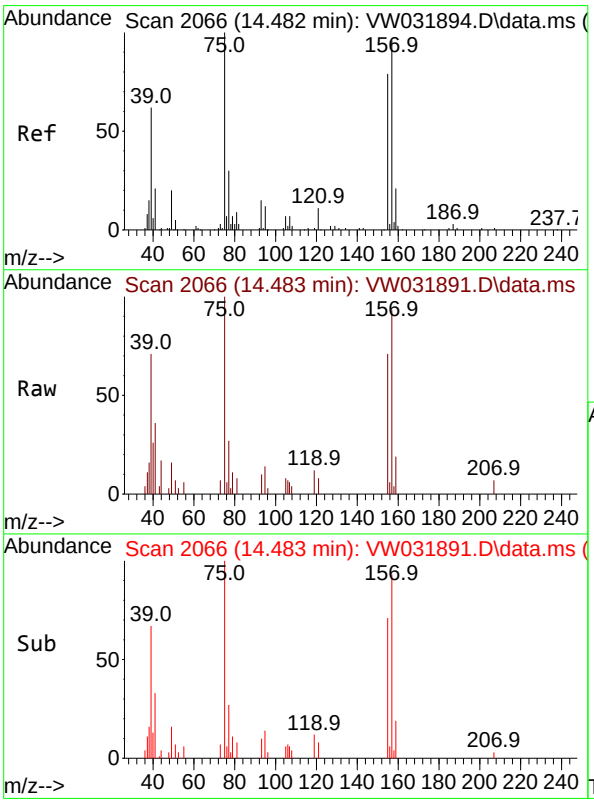
Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.6	71.0
148	63.8	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

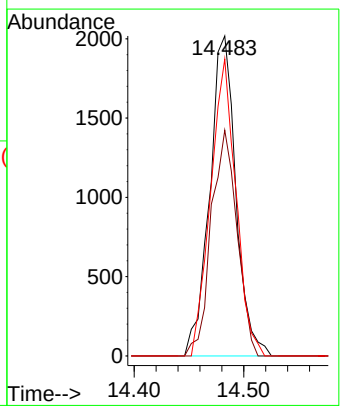
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

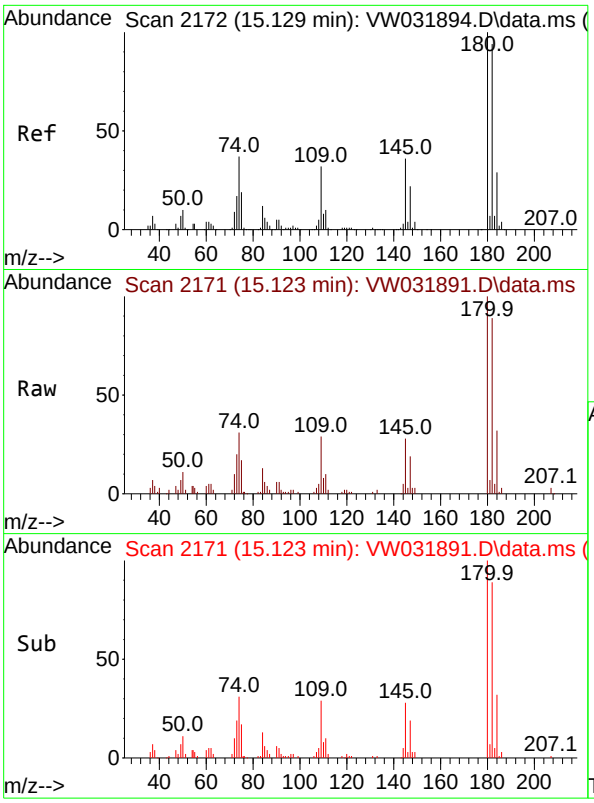


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.501 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 3359

Ion	Ratio	Lower	Upper
75	100		
155	69.4	35.9	107.7
157	89.6	47.4	142.2

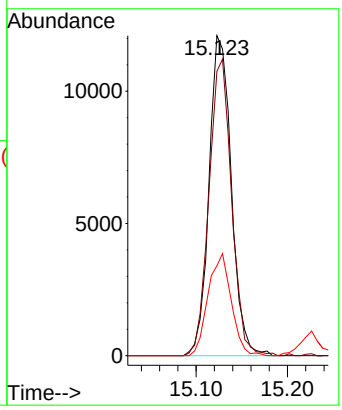




#93
1,2,4-Trichlorobenzene
Concen: 5.328 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:180 Resp: 2042

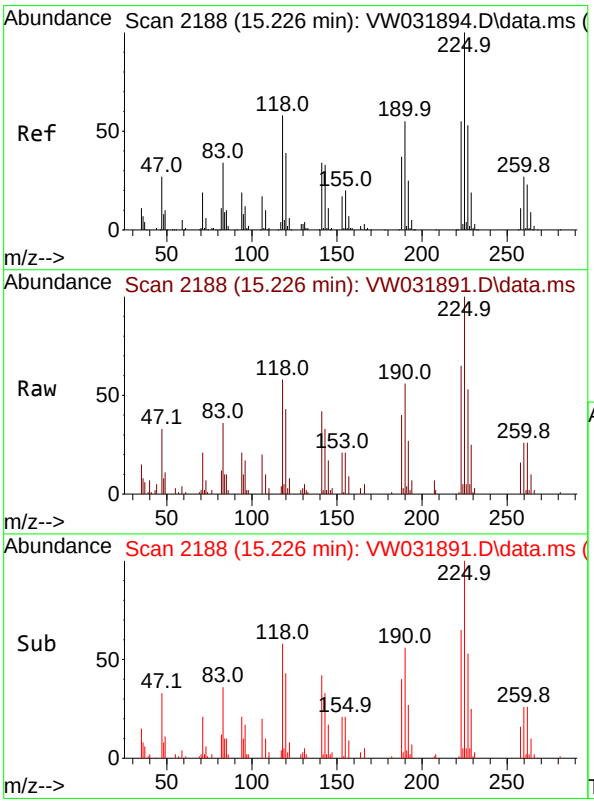
Ion	Ratio	Lower	Upper
180	100		
182	94.4	51.0	153.1
145	33.2	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

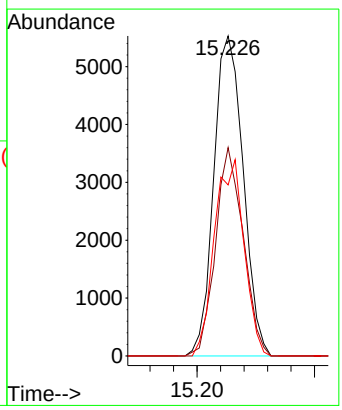
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

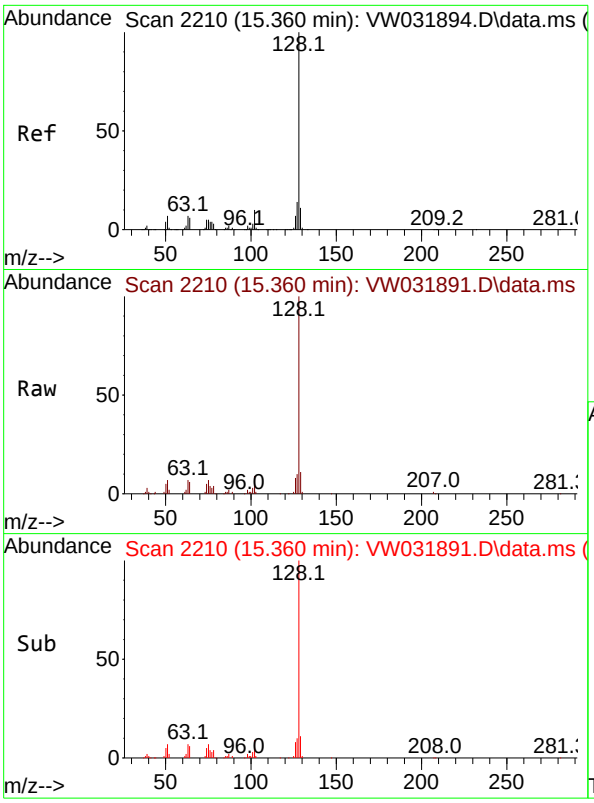


#94
Hexachlorobutadiene
Concen: 5.297 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:225 Resp: 9622

Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.7
227	61.6	30.0	90.1

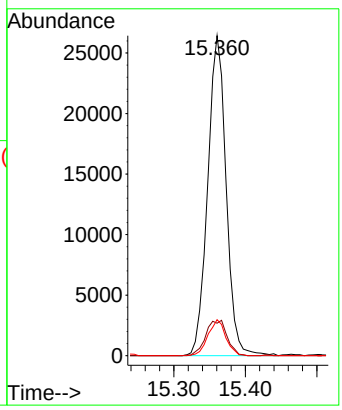




#95
Naphthalene
Concen: 5.027 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:128 Resp: 4737

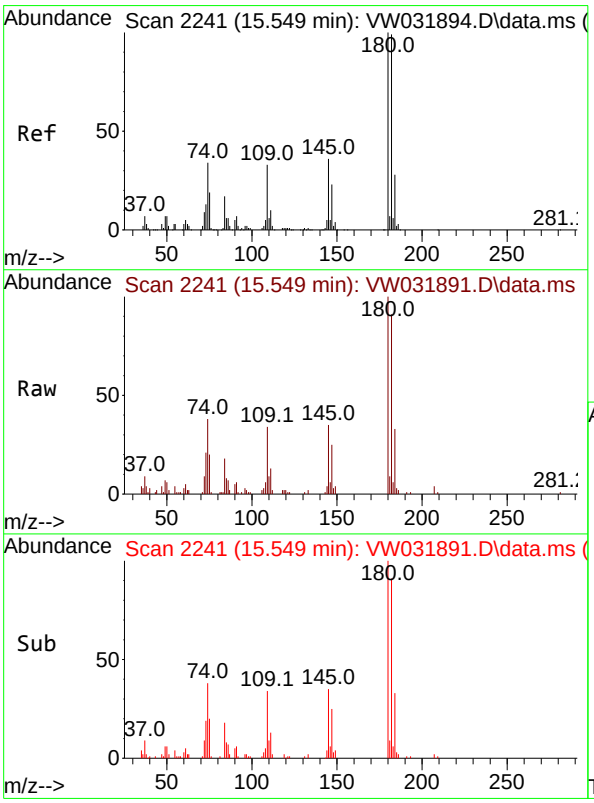
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.8	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

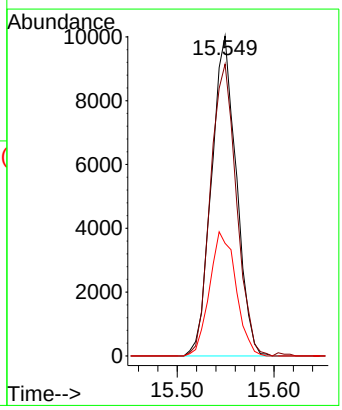
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.157 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:180 Resp: 17912

Ion	Ratio	Lower	Upper
180	100		
182	94.9	50.4	151.2
145	41.1	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	231127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	416059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	34413	9.843	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	19.680%#		
35) Dibromofluoromethane	7.898	113	29377	10.391	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.780%#		
50) Toluene-d8	10.325	98	108902	10.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.360%#		
62) 4-Bromofluorobenzene	12.617	95	42871	10.434	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	16819	9.791	ug/l	90
3) Chloromethane	2.253	50	21940	9.951	ug/l	99
4) Vinyl Chloride	2.405	62	28422	9.924	ug/l	95
5) Bromomethane	2.826	94	20976	9.946	ug/l	92
6) Chloroethane	2.972	64	18282	9.672	ug/l	95
7) Trichlorofluoromethane	3.308	101	25531	8.801	ug/l	93
8) Diethyl Ether	3.722	74	17727	9.148	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	27862	9.986	ug/l	100
10) Methyl Iodide	4.313	142	40718	9.760	ug/l	99
11) Tert butyl alcohol	5.222	59	9045	44.010	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	30316	9.837	ug/l	94
13) Acrolein	3.929	56	16101	48.430	ug/l	100
14) Allyl chloride	4.704	41	45698	9.525	ug/l	99
15) Acrylonitrile	5.405	53	39188	45.235	ug/l	97
16) Acetone	4.167	43	43690	52.659	ug/l	96
17) Carbon Disulfide	4.417	76	75927	9.499	ug/l	97
18) Methyl Acetate	4.710	43	19716	8.625	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	51288	9.632	ug/l	99
20) Methylene Chloride	4.954	84	43038	8.241	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	31392	9.600	ug/l	97
22) Diisopropyl ether	6.344	45	90747	9.453	ug/l	98
23) Vinyl Acetate	6.283	43	284185	45.312	ug/l	98
24) 1,1-Dichloroethane	6.246	63	58334	9.760	ug/l	98
25) 2-Butanone	7.197	43	53335	46.984	ug/l	100
26) 2,2-Dichloropropane	7.191	77	32523	9.611	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	36460	9.485	ug/l	98
28) Bromochloromethane	7.526	49	24018	9.597	ug/l	97
29) Tetrahydrofuran	7.551	42	33119	44.500	ug/l	98
30) Chloroform	7.691	83	61757	9.854	ug/l	98
31) Cyclohexane	7.971	56	54338	10.133	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	46989	9.853	ug/l	98
36) 1,1-Dichloropropene	8.093	75	44218	10.184	ug/l	99
37) Ethyl Acetate	7.270	43	23295	9.405	ug/l	99
38) Carbon Tetrachloride	8.081	117	41429	9.943	ug/l	98
39) Methylcyclohexane	9.343	83	53466	9.785	ug/l	95
40) Benzene	8.337	78	128121	9.969	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	14893m	10.209	ug/l		
42) 1,2-Dichloroethane	8.410	62	40250	9.785	ug/l		99
43) Isopropyl Acetate	8.435	43	40842	9.109	ug/l		99
44) Trichloroethene	9.099	130	30934	10.126	ug/l		94
45) 1,2-Dichloropropane	9.374	63	30529	9.863	ug/l		93
46) Dibromomethane	9.465	93	18831	9.814	ug/l		96
47) Bromodichloromethane	9.648	83	45402	9.868	ug/l		98
48) Methyl methacrylate	9.441	41	19089	8.949	ug/l		99
49) 1,4-Dioxane	9.471	88	3526	184.165	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.215	43	112498	45.845	ug/l		98
52) Toluene	10.392	92	83069	10.054	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	41264	9.349	ug/l		96
54) cis-1,3-Dichloropropene	10.081	75	48135	9.550	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	24676	9.682	ug/l		95
56) Ethyl methacrylate	10.648	69	32317	8.978	ug/l		99
57) 1,3-Dichloropropane	10.934	76	43658	9.723	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	85410	46.194	ug/l		100
59) 2-Hexanone	10.971	43	78182	45.837	ug/l		99
60) Dibromochloromethane	11.129	129	28189	9.486	ug/l		99
61) 1,2-Dibromoethane	11.239	107	24219	9.617	ug/l		99
64) Tetrachloroethene	10.861	164	24918	10.138	ug/l		96
65) Chlorobenzene	11.660	112	91460	10.024	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	27287	9.647	ug/l		98
67) Ethyl Benzene	11.733	91	157107	9.801	ug/l		100
68) m/p-Xylenes	11.843	106	119437	19.791	ug/l		97
69) o-Xylene	12.166	106	55307	9.684	ug/l		98
70) Styrene	12.178	104	93933	9.660	ug/l		99
71) Bromoform	12.349	173	13549	8.759	ug/l	#	97
73) Isopropylbenzene	12.458	105	147152	9.698	ug/l		100
74) N-amyl acetate	12.269	43	35992	8.774	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29777	9.245	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	22414m	9.362	ug/l		
77) Bromobenzene	12.739	156	31681	9.650	ug/l		98
78) n-propylbenzene	12.800	91	180937	9.709	ug/l		98
79) 2-Chlorotoluene	12.891	91	108108	9.716	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	122504	9.626	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	8950	8.558	ug/l		94
82) 4-Chlorotoluene	12.983	91	117523	10.068	ug/l		98
83) tert-Butylbenzene	13.202	119	104397	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	127309	9.883	ug/l		100
85) sec-Butylbenzene	13.379	105	160534	9.861	ug/l		100
86) p-Isopropyltoluene	13.495	119	131018	9.737	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	66474	9.727	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	66689	9.961	ug/l		97
89) n-Butylbenzene	13.818	91	125846	9.534	ug/l		99
90) Hexachloroethane	14.086	117	21002	9.026	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	59263	9.785	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5072	8.716	ug/l		95
93) 1,2,4-Trichlorobenzene	15.129	180	33290	9.114	ug/l		99
94) Hexachlorobutadiene	15.226	225	16064	9.281	ug/l		93
95) Naphthalene	15.360	128	78956	8.792	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	31394	9.486	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

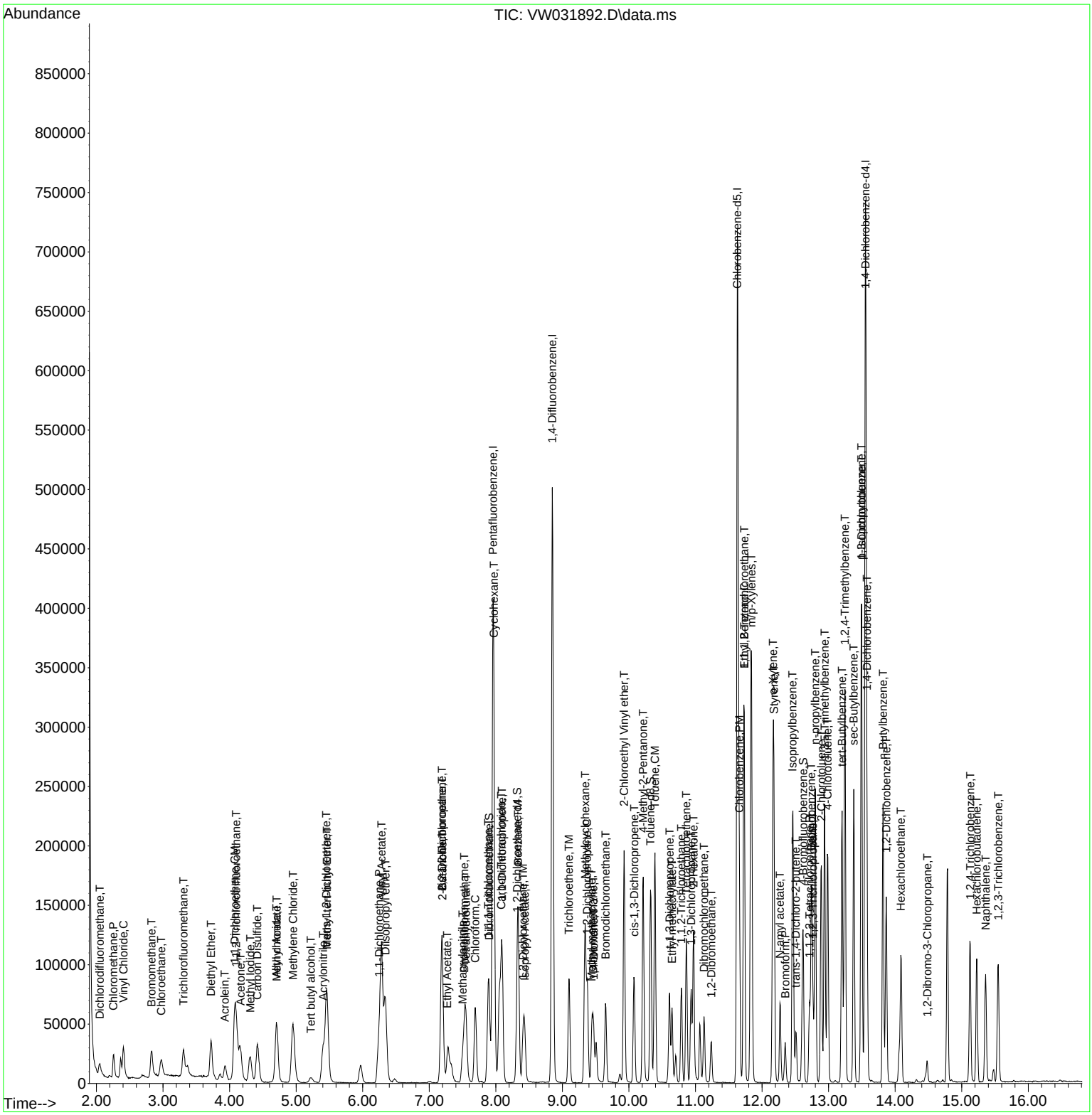
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Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

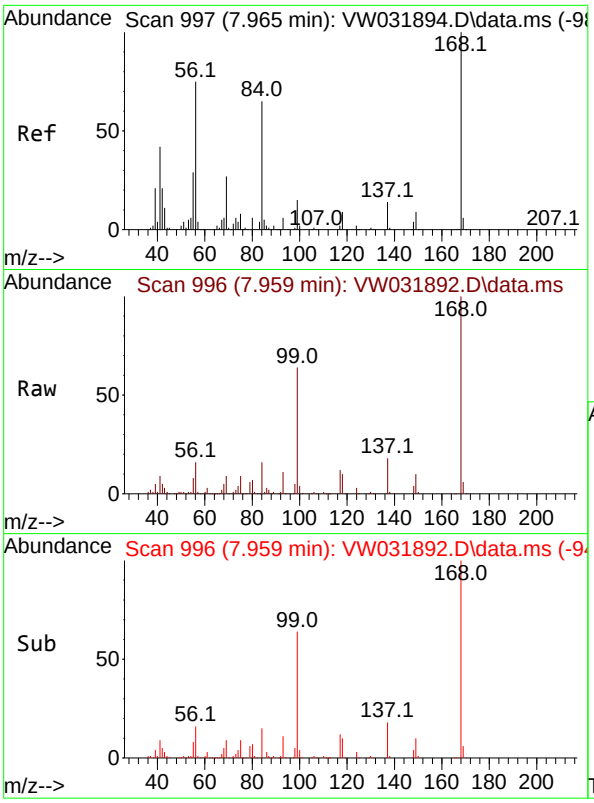
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Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

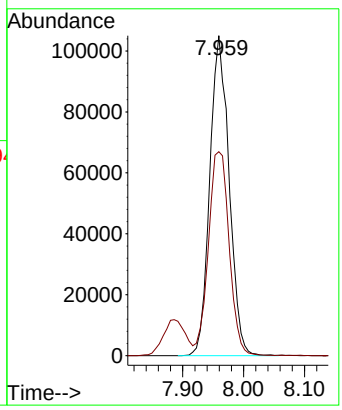




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:168 Resp: 23112

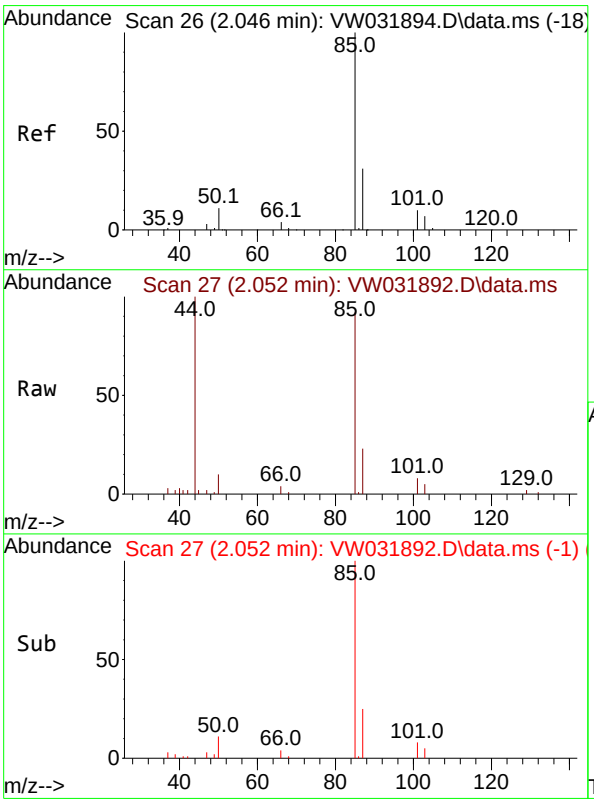
Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

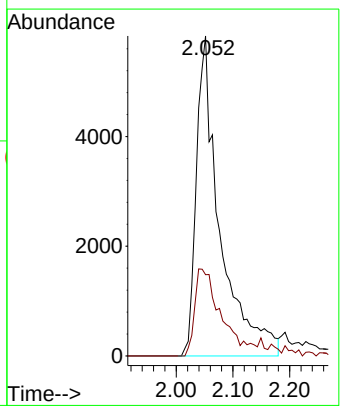
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

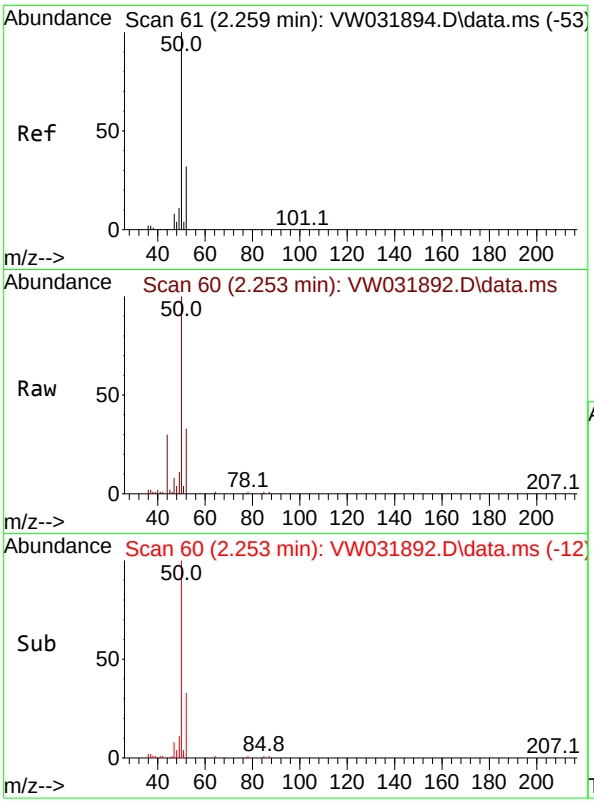


#2
Dichlorodifluoromethane
Concen: 9.791 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 85 Resp: 16819

Ion	Ratio	Lower	Upper
85	100		
87	25.4	15.5	46.5

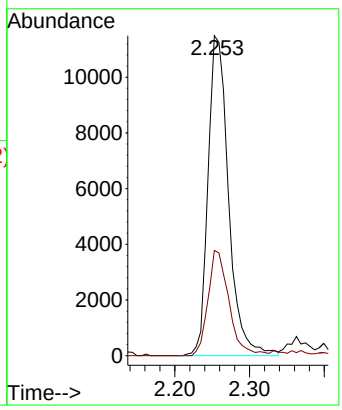




#3
Chloromethane
Concen: 9.951 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 50 Resp: 2194

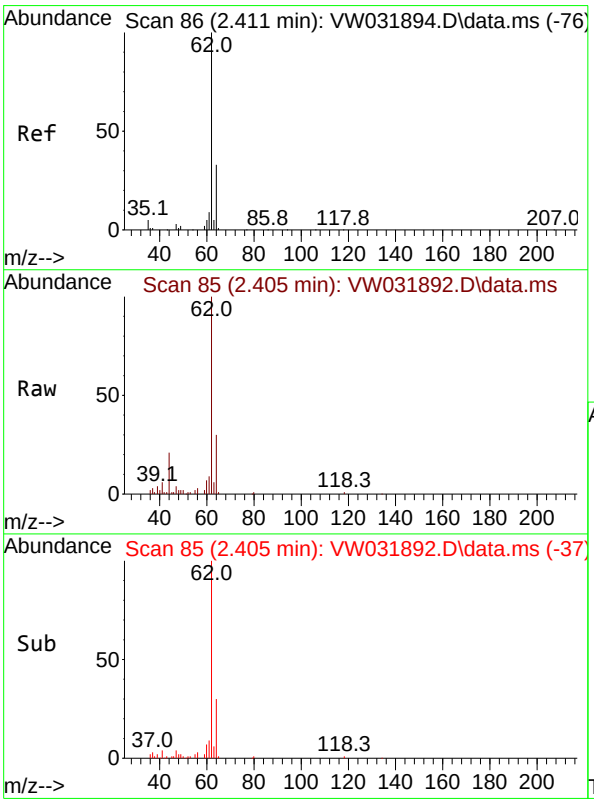
Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

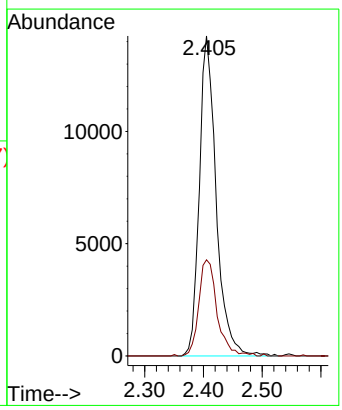
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

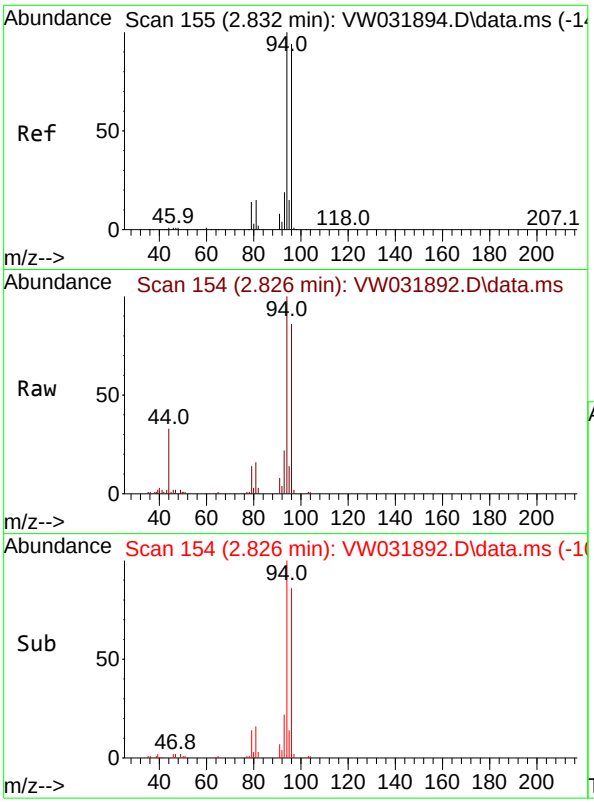


#4
Vinyl Chloride
Concen: 9.924 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 62 Resp: 28422

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.2

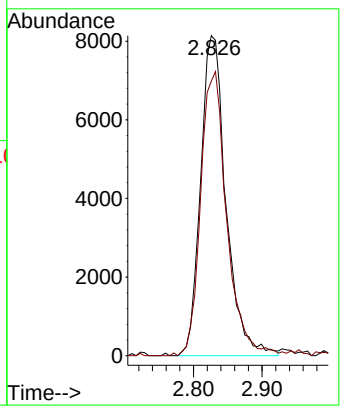




#5
Bromomethane
Concen: 9.946 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 94 Resp: 2097

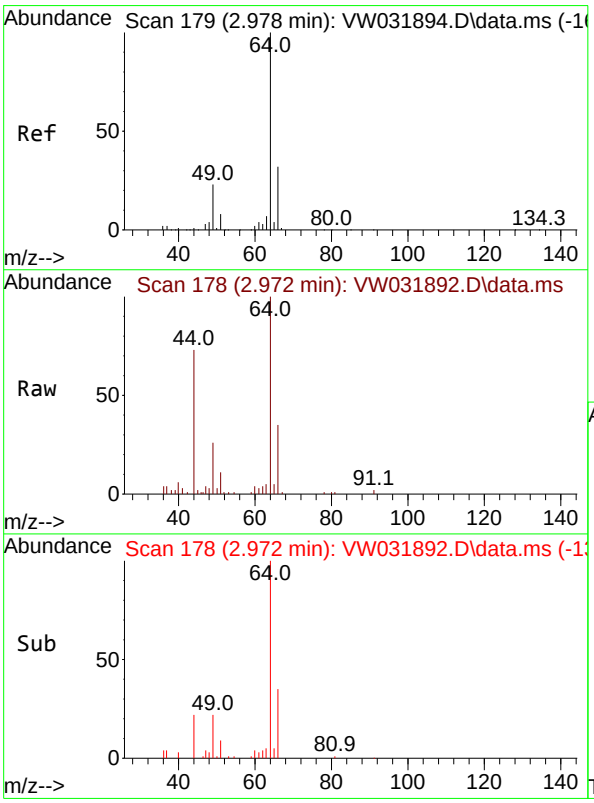
Ion	Ratio	Lower	Upper
94	100		
96	85.8	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

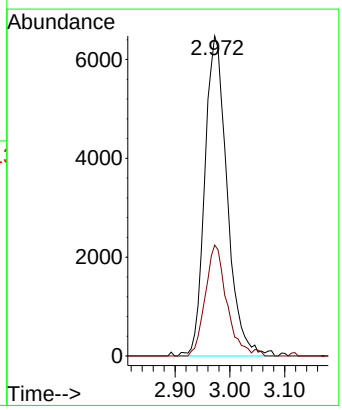
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

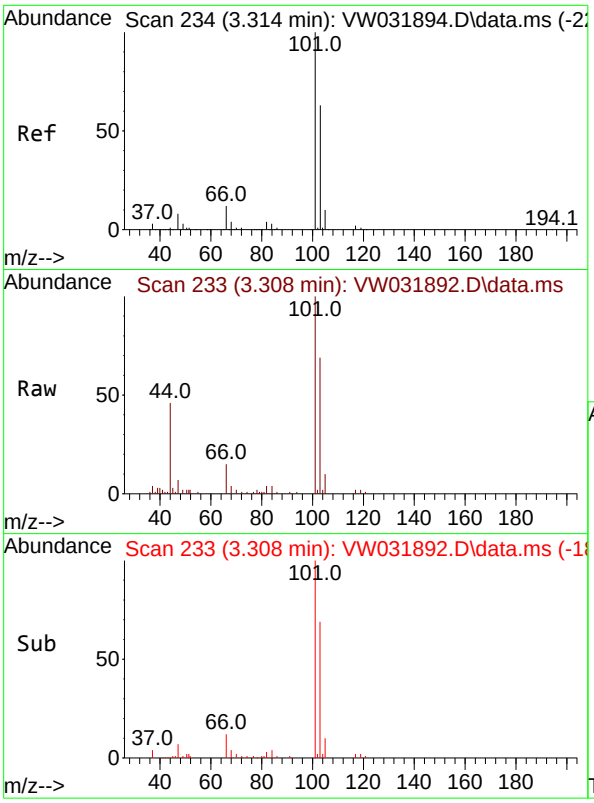


#6
Chloroethane
Concen: 9.672 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 64 Resp: 18282

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.6	38.4

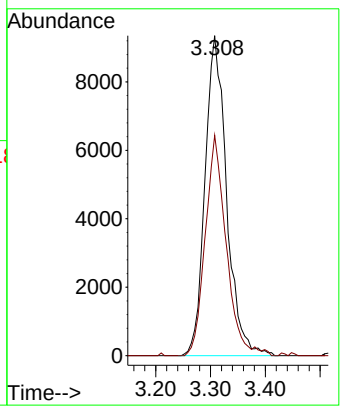




#7
Trichlorofluoromethane
Concen: 8.801 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:101 Resp: 2553

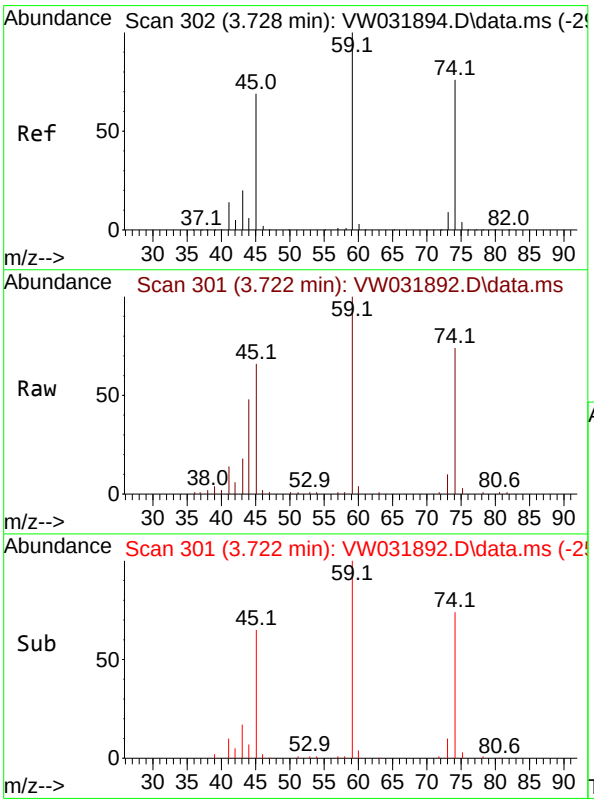
Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

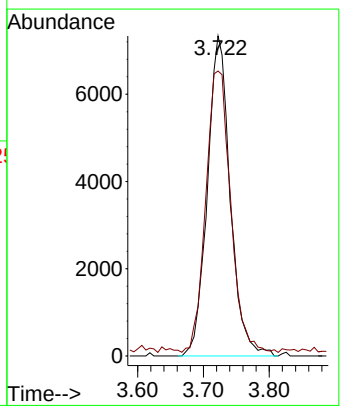
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

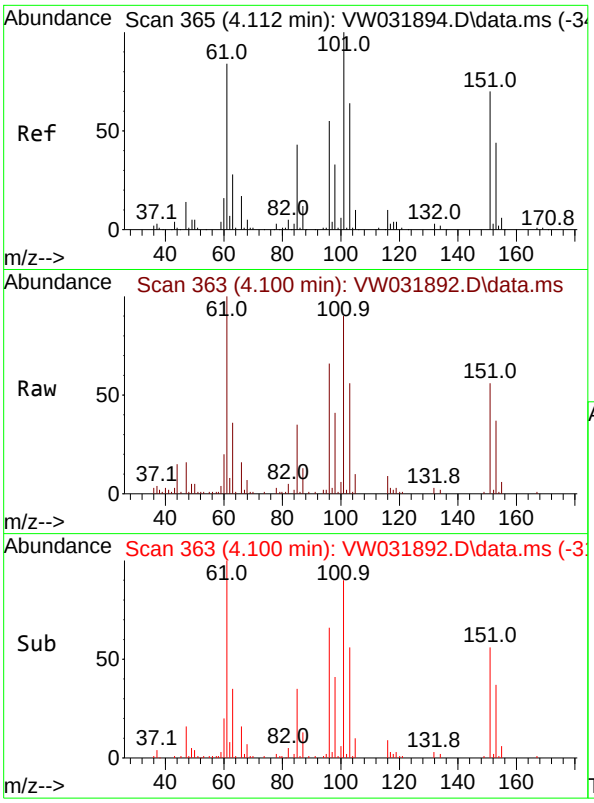


#8
Diethyl Ether
Concen: 9.148 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 74 Resp: 17727

Ion	Ratio	Lower	Upper
74	100		
45	95.5	45.5	136.5

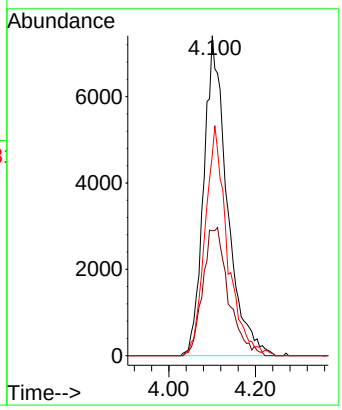




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.986 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:101 Resp: 2786

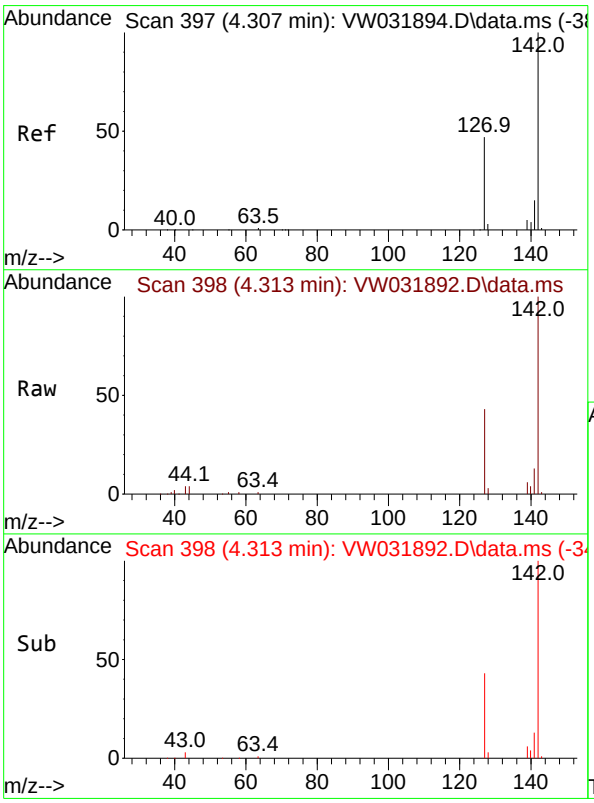
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	68.4	54.6	81.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

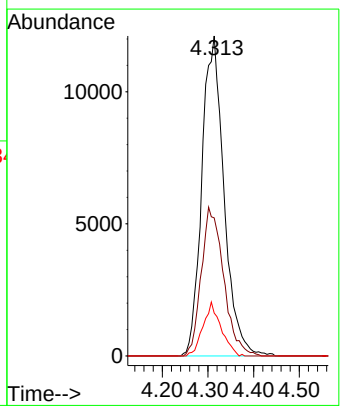
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

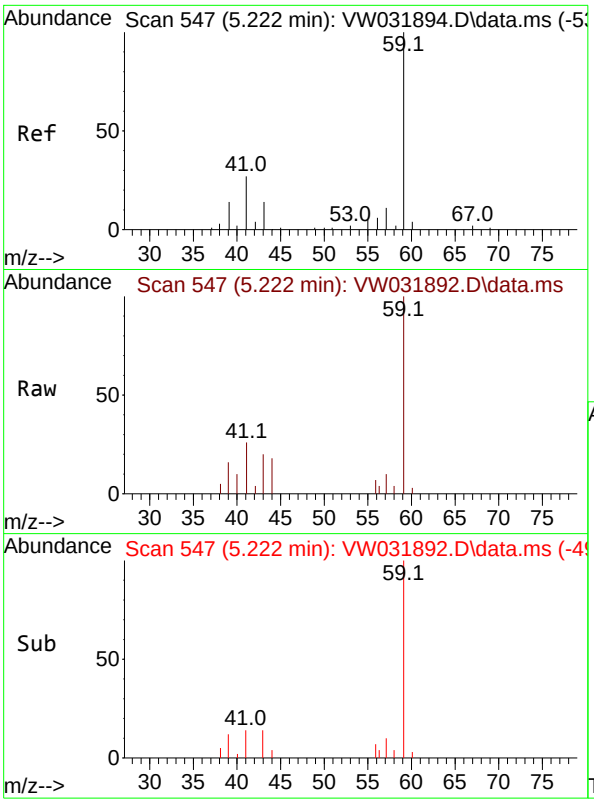


#10
Methyl Iodide
Concen: 9.760 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:142 Resp: 40718

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.4	56.2
141	13.8	11.9	17.9





#11
Tert butyl alcohol
Concen: 44.010 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

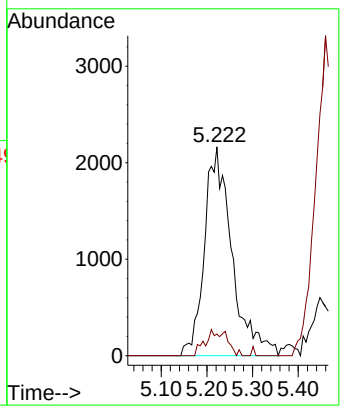
Tgt Ion: 59 Resp: 904

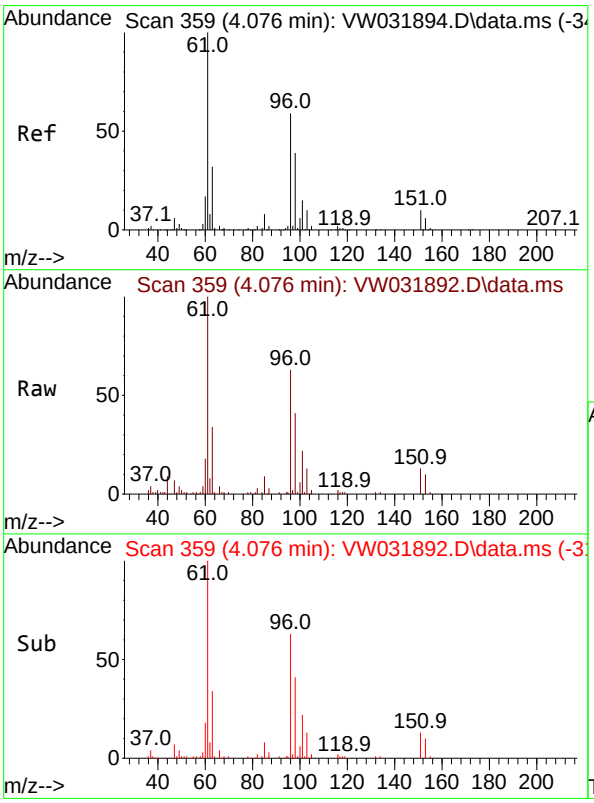
Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.6	12.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

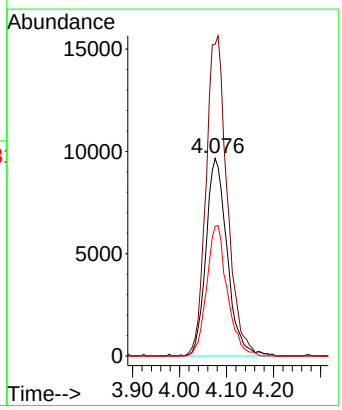


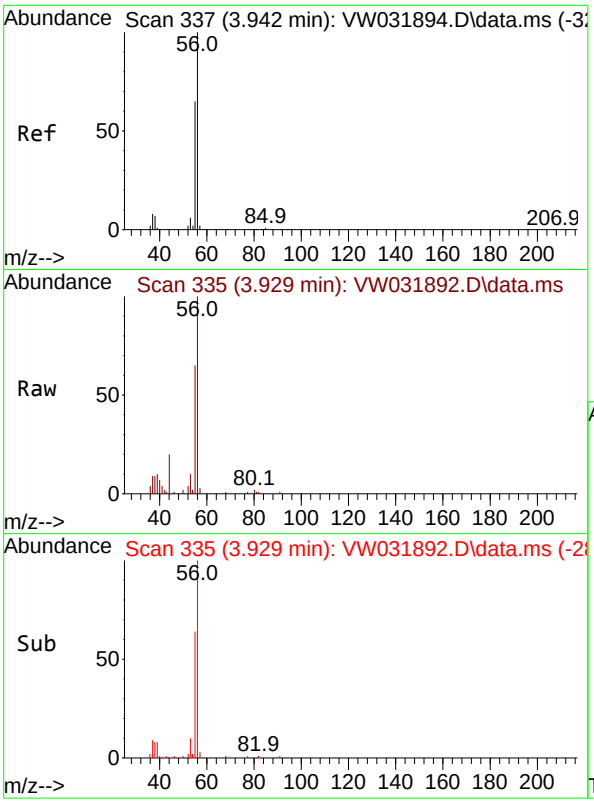


#12
1,1-Dichloroethene
Concen: 9.837 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 96 Resp: 30316

Ion	Ratio	Lower	Upper
96	100		
61	157.7	135.0	202.6
98	65.5	52.3	78.5





#13
Acrolein
Concen: 48.430 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

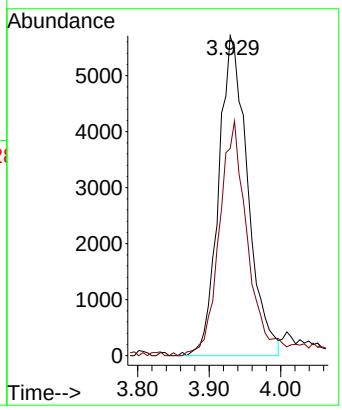
Tgt Ion: 56 Resp: 1610

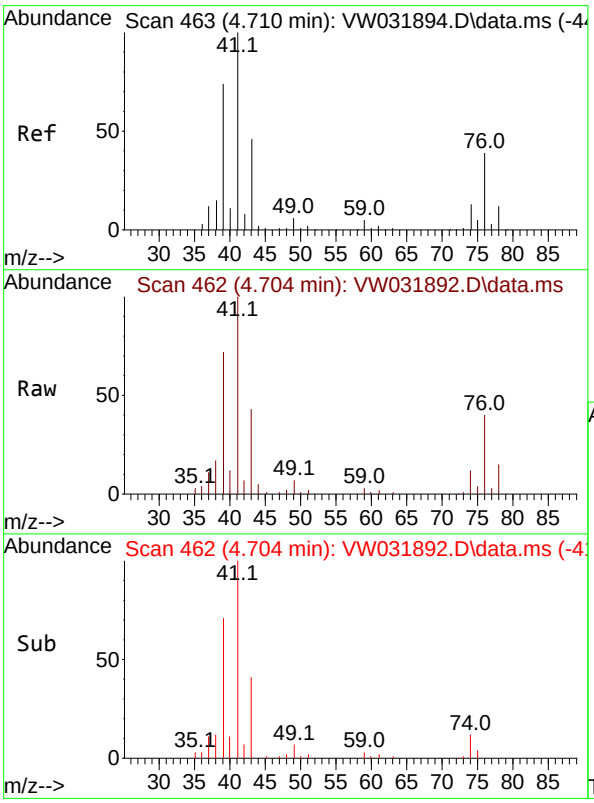
Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.7	85.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

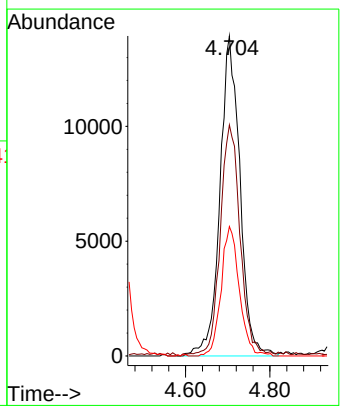


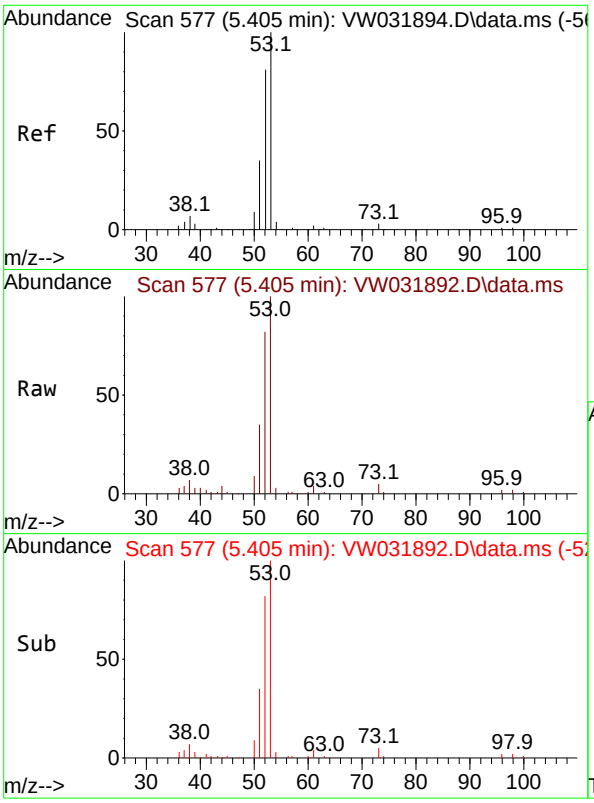


#14
Allyl chloride
Concen: 9.525 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 41 Resp: 45698

Ion	Ratio	Lower	Upper
41	100		
39	72.2	56.6	85.0
76	37.0	30.1	45.1

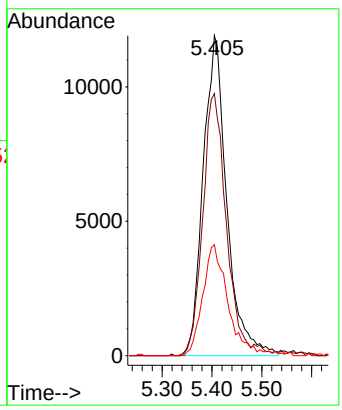




#15
Acrylonitrile
Concen: 45.235 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 53 Resp: 3918

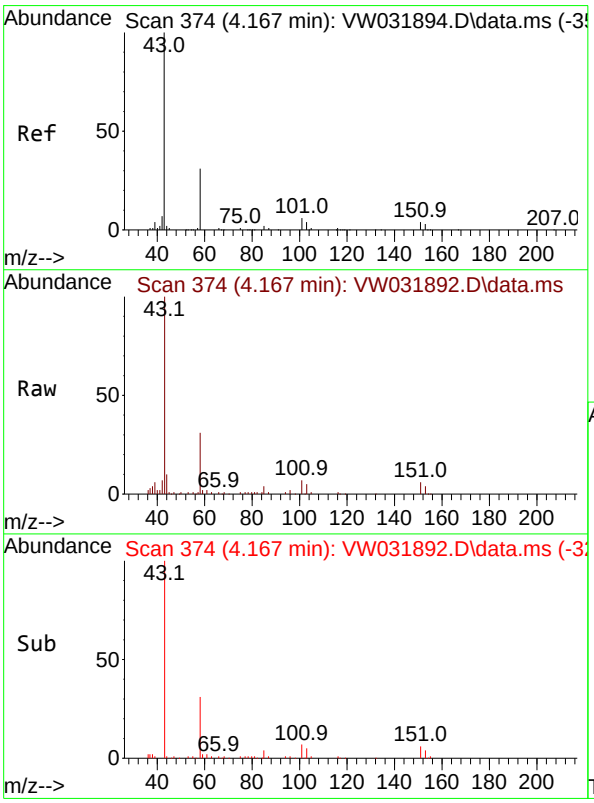
Ion	Ratio	Lower	Upper
53	100		
52	80.2	67.0	100.4
51	37.3	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

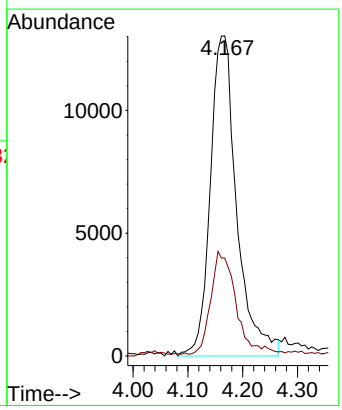
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

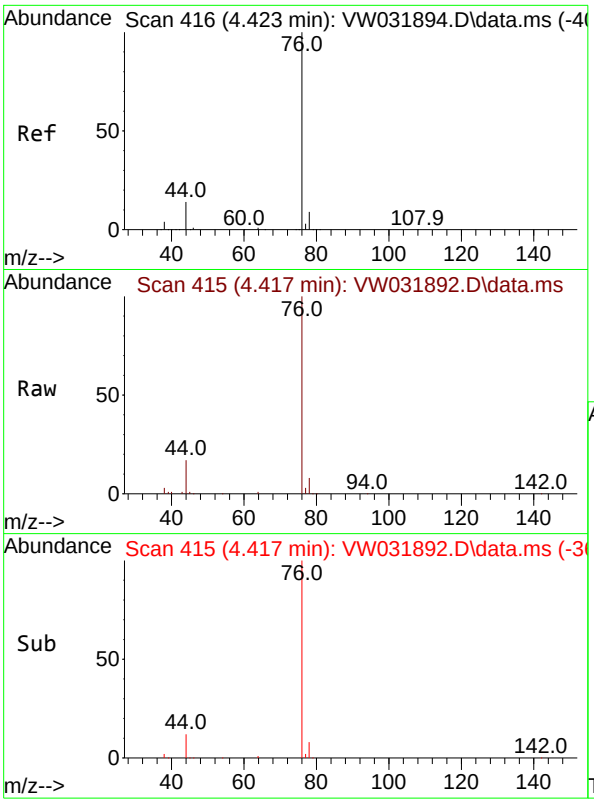


#16
Acetone
Concen: 52.659 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 43690

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.5	38.3





#17
Carbon Disulfide
Concen: 9.499 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

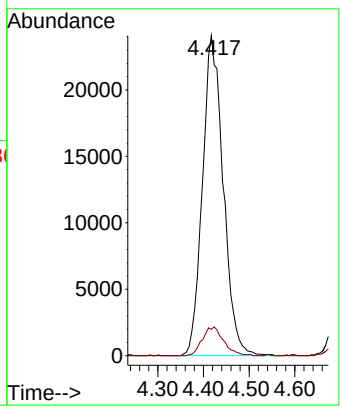
Tgt Ion: 76 Resp: 7592

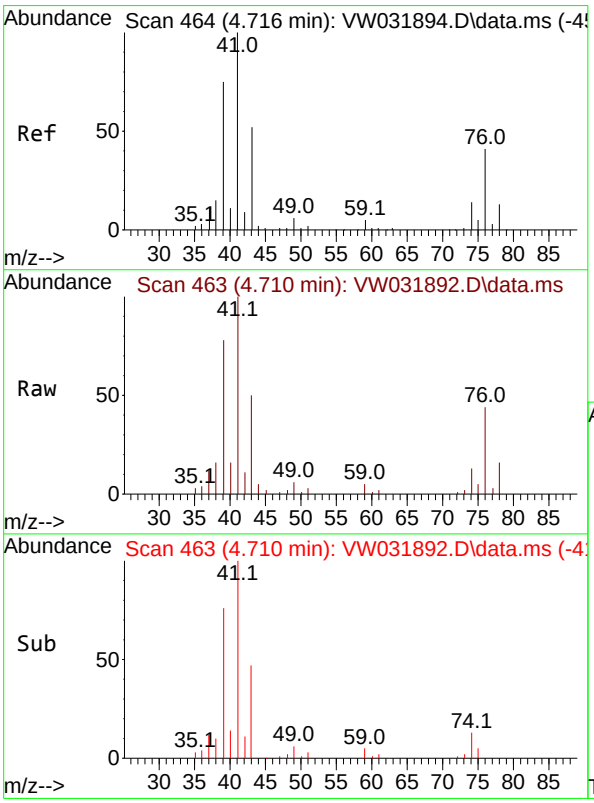
Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

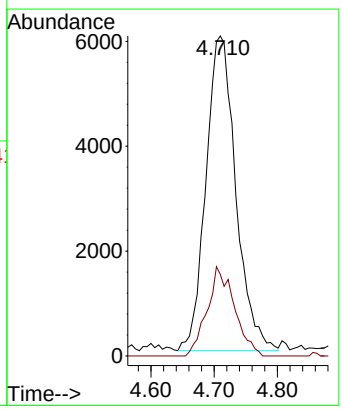


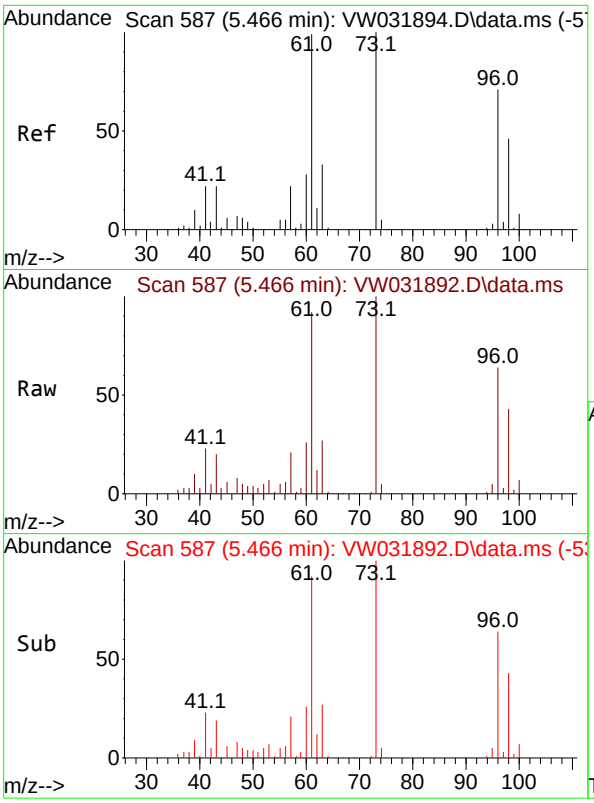


#18
Methyl Acetate
Concen: 8.625 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 19716

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	31.0

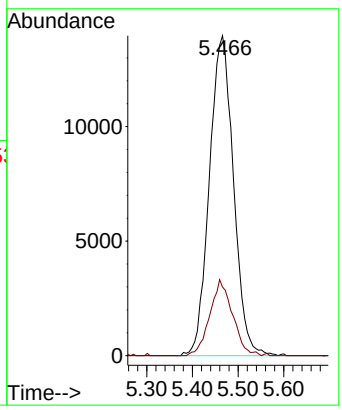




#19
Methyl tert-butyl Ether
Concen: 9.632 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 73 Resp: 5128

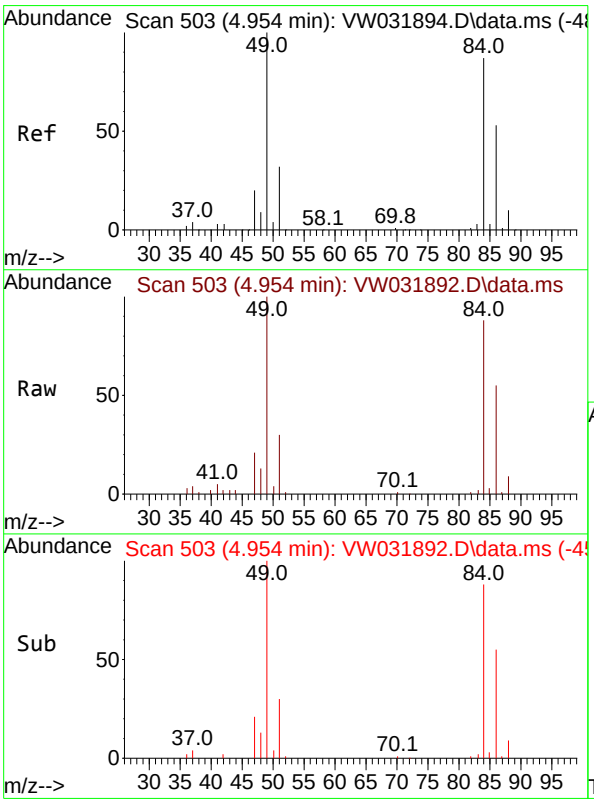
Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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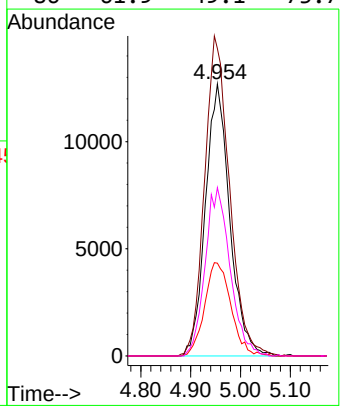
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

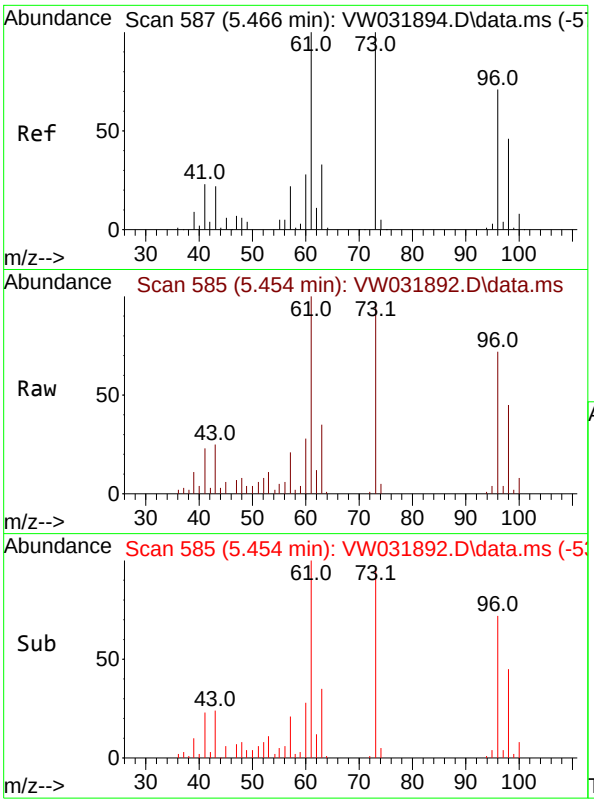


#20
Methylene Chloride
Concen: 8.241 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 84 Resp: 43038

Ion	Ratio	Lower	Upper
84	100		
49	113.0	91.9	137.9
51	34.1	29.0	43.6
86	61.9	49.1	73.7

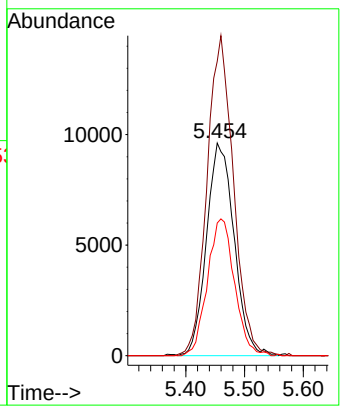




#21
trans-1,2-Dichloroethene
Concen: 9.600 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 96 Resp: 3139

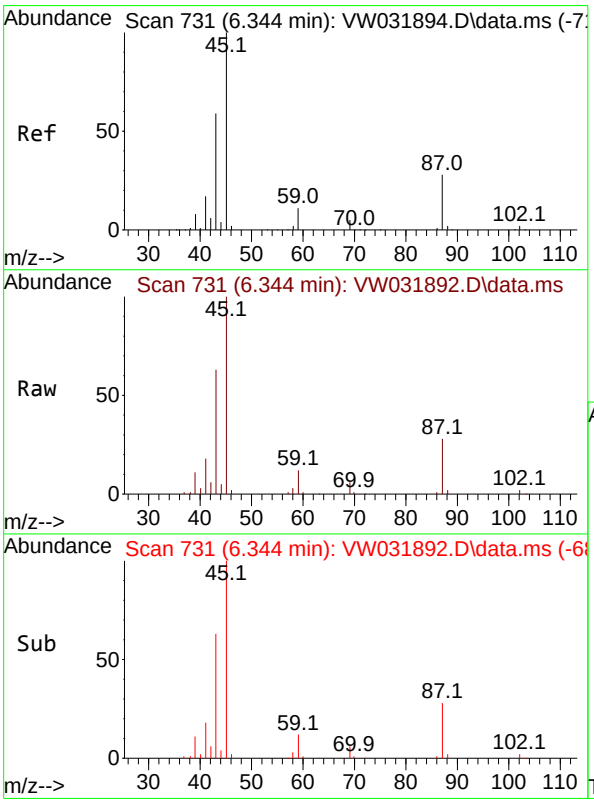
Ion	Ratio	Lower	Upper
96	100		
61	137.8	112.8	169.2
98	62.4	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

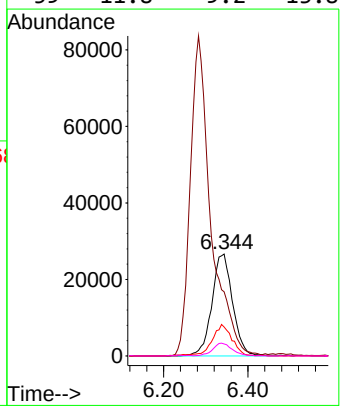
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

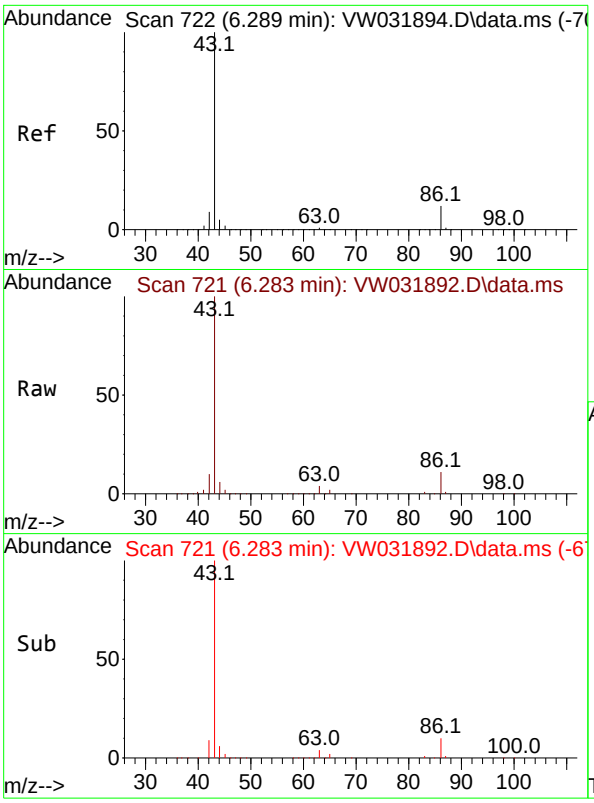


#22
Diisopropyl ether
Concen: 9.453 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 45 Resp: 90747

Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.0	70.6
87	28.4	22.8	34.2
59	11.8	9.2	13.8





#23
Vinyl Acetate
Concen: 45.312 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

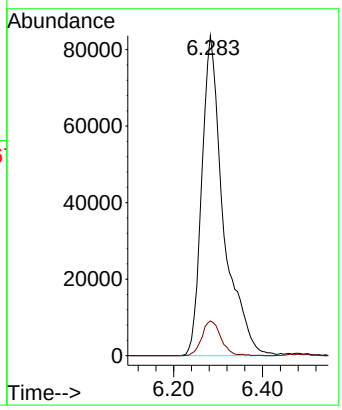
Tgt Ion: 43 Resp: 28418

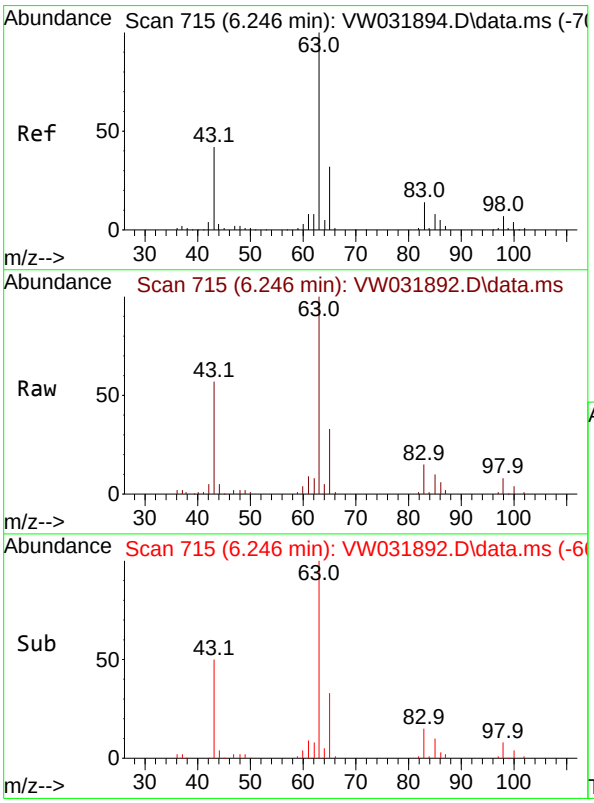
Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

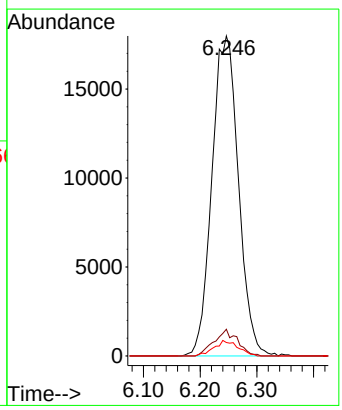


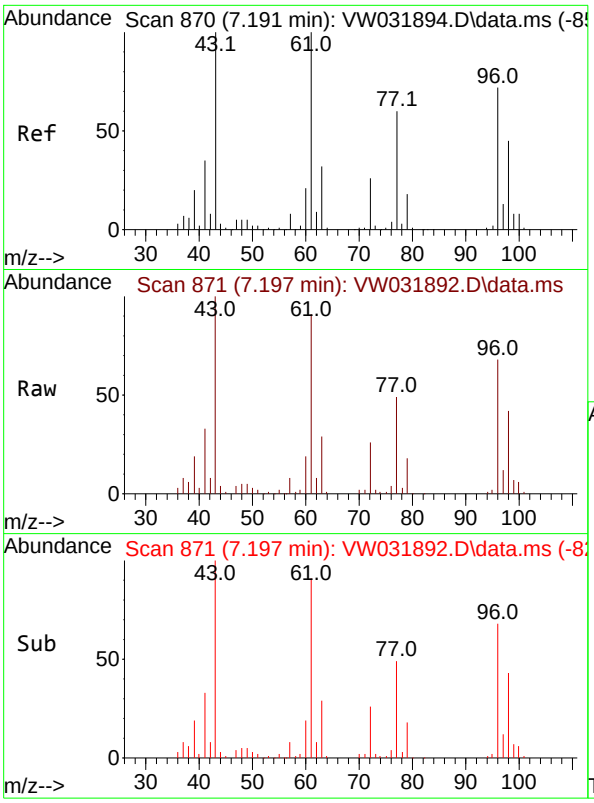


#24
1,1-Dichloroethane
Concen: 9.760 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 63 Resp: 58334

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.6	10.9
100	4.2	2.2	6.6

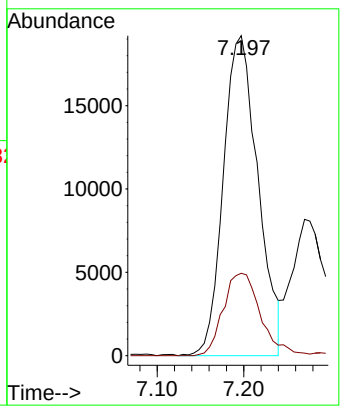




#25
2-Butanone
Concen: 46.984 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 5333

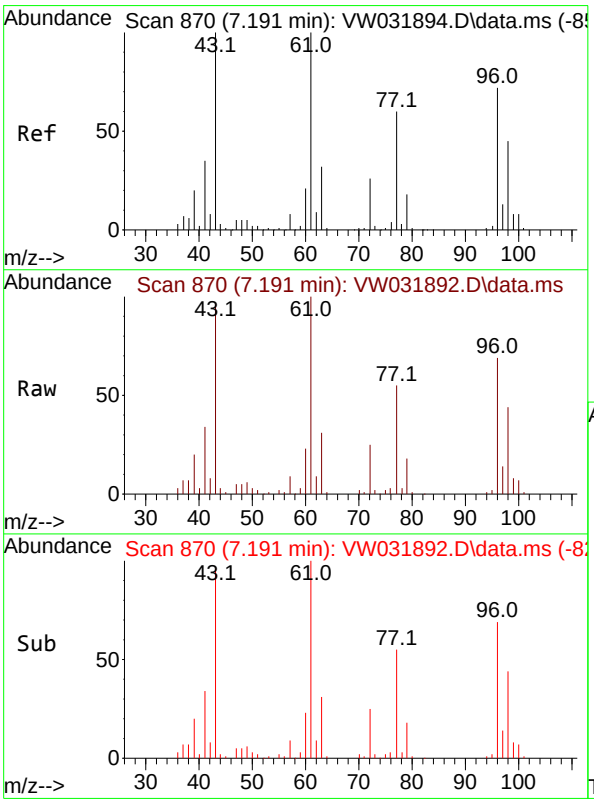
Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

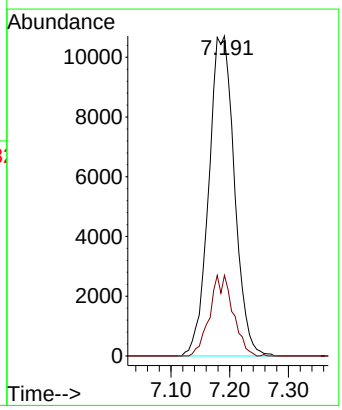
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

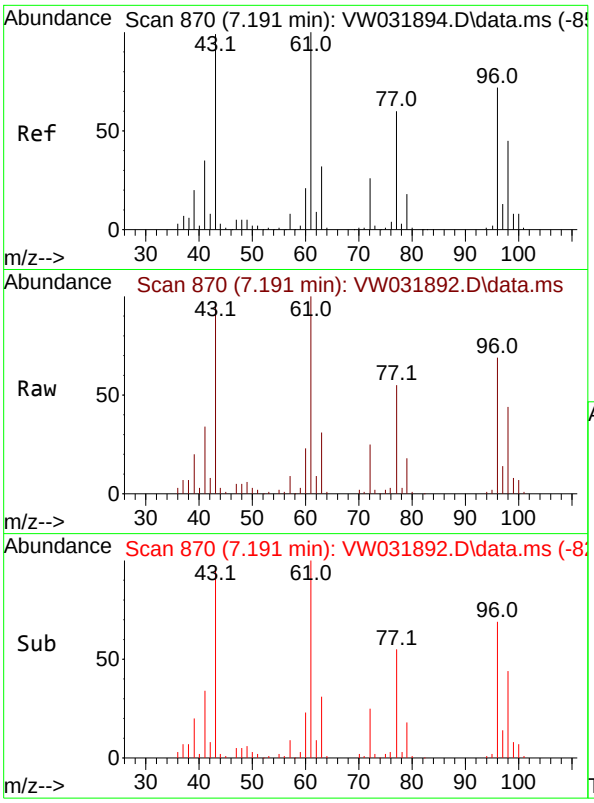


#26
2,2-Dichloropropane
Concen: 9.611 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 77 Resp: 32523

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1

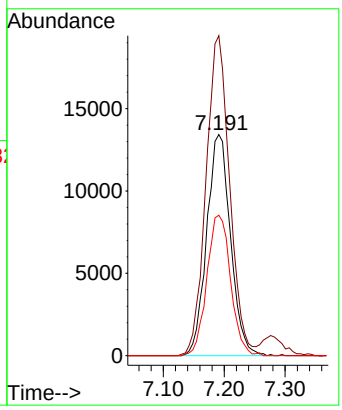




#27
cis-1,2-Dichloroethene
Concen: 9.485 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 96 Resp: 3646

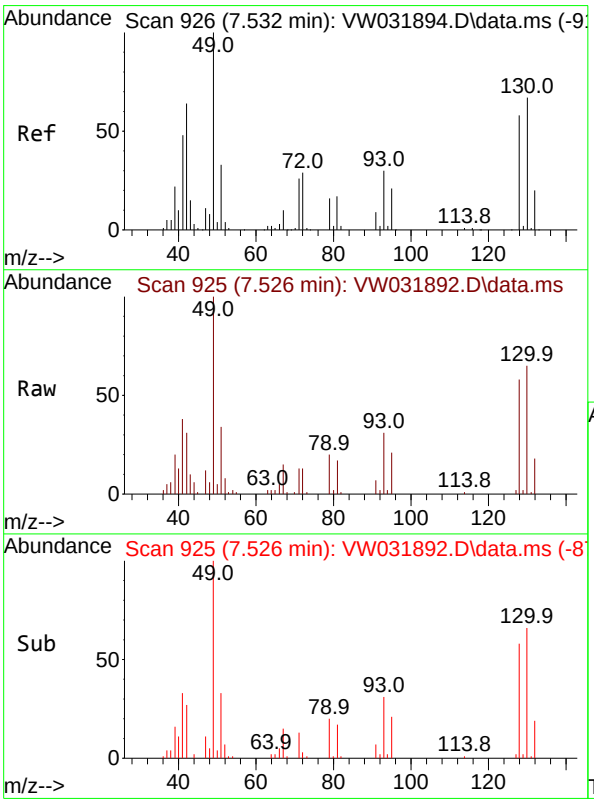
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	280.2
98	63.2	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

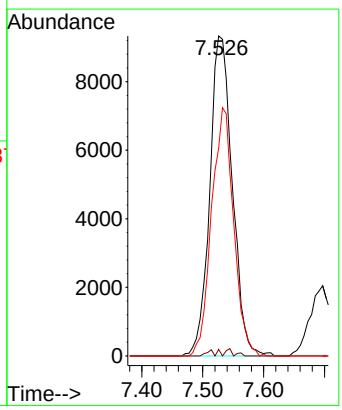
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

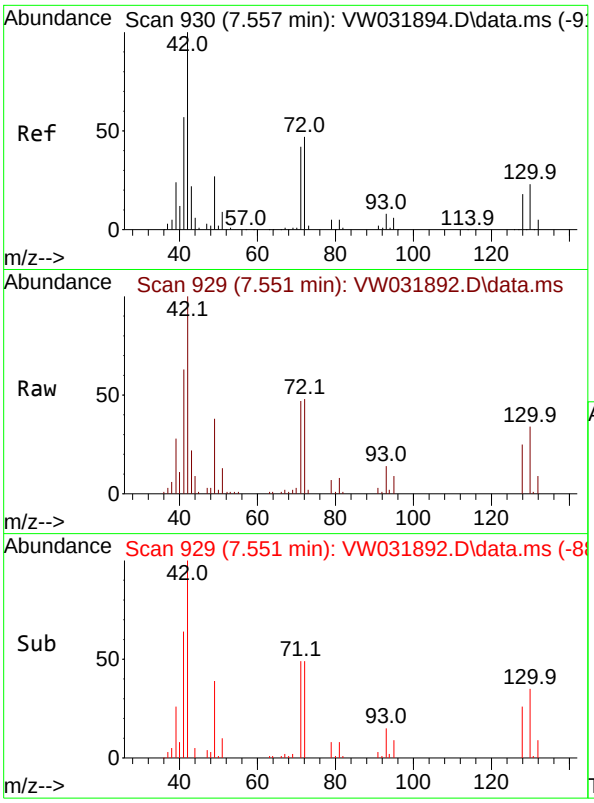


#28
Bromochloromethane
Concen: 9.597 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 49 Resp: 24018

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.4
130	75.8	59.0	88.4





#29
Tetrahydrofuran
Concen: 44.500 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

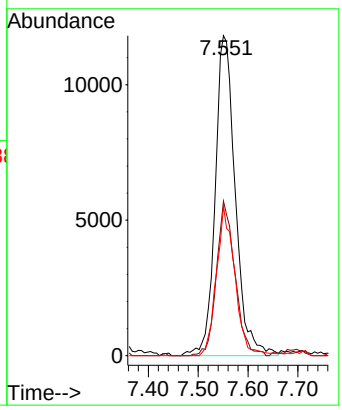
Tgt Ion: 42 Resp: 3311

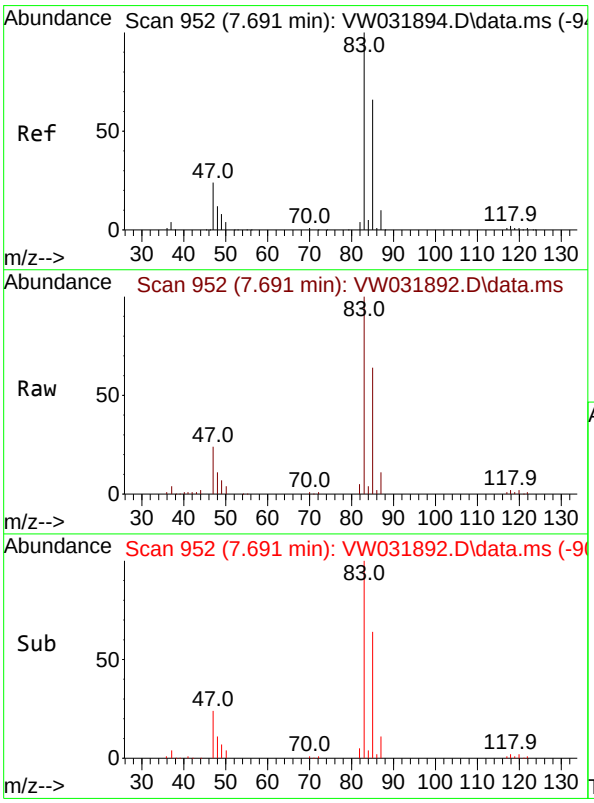
Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.0	55.6
71	43.0	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

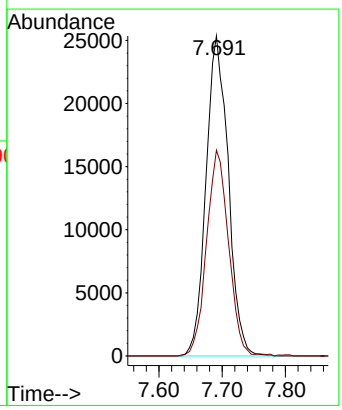


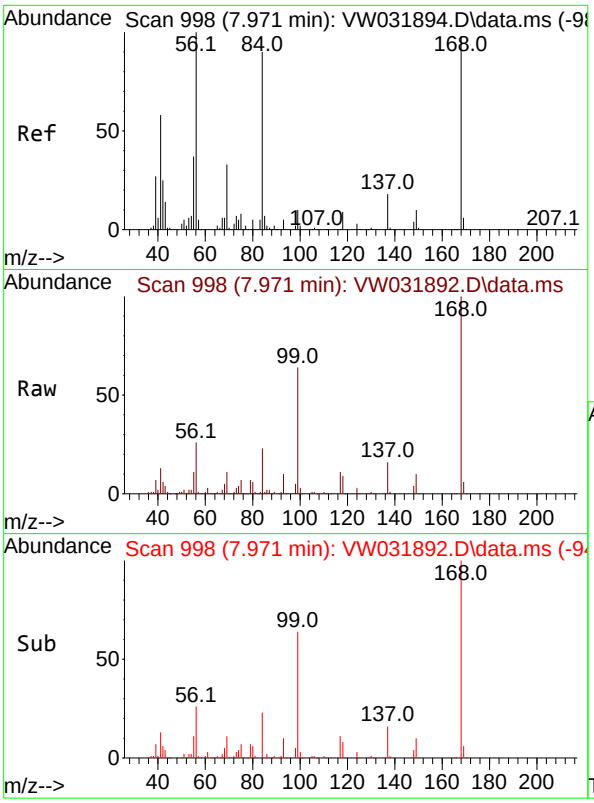


#30
Chloroform
Concen: 9.854 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 83 Resp: 61757

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8

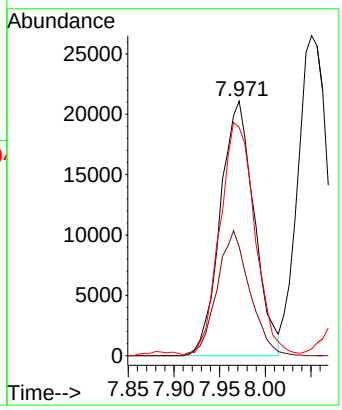




#31
Cyclohexane
Concen: 10.133 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 56 Resp: 5433

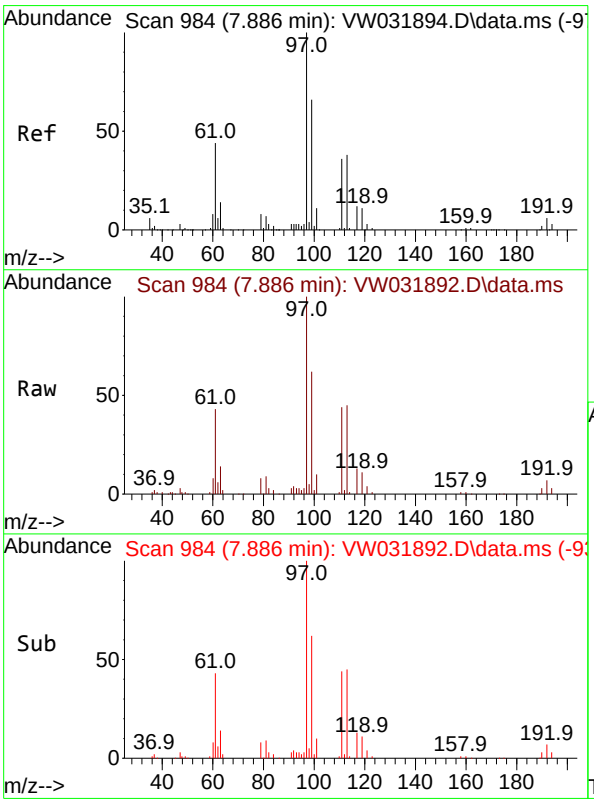
Ion	Ratio	Lower	Upper
56	100		
69	42.8	26.7	40.1
84	88.8	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

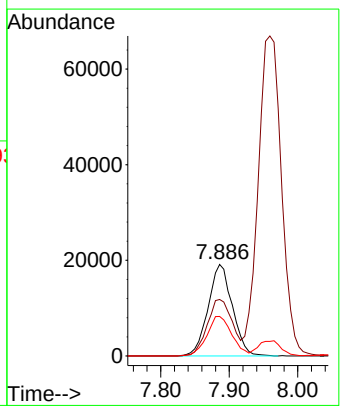
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

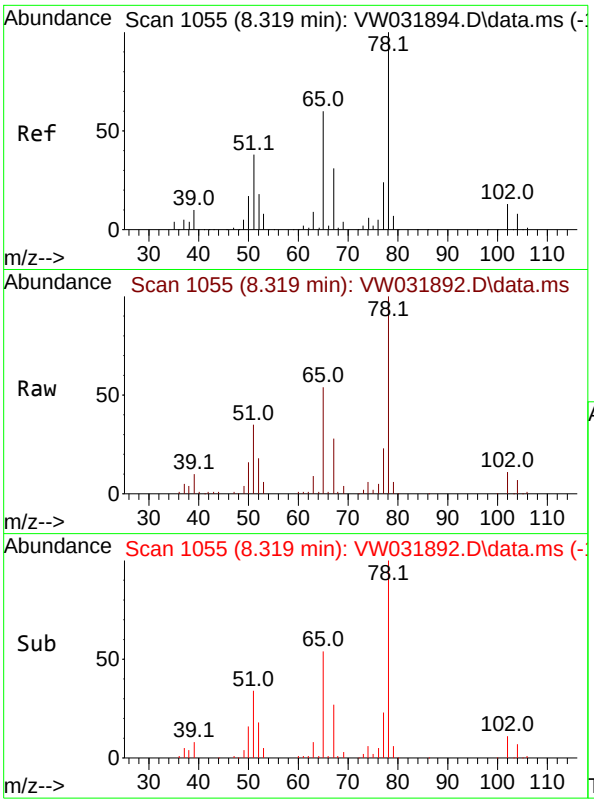


#32
1,1,1-Trichloroethane
Concen: 9.853 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 97 Resp: 46989

Ion	Ratio	Lower	Upper
97	100		
99	64.1	53.0	79.4
61	44.5	35.4	53.0

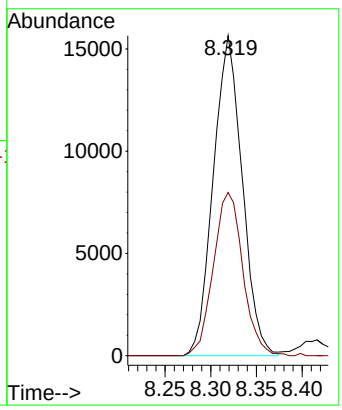




#33
1,2-Dichloroethane-d4
Concen: 9.843 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 65 Resp: 3441

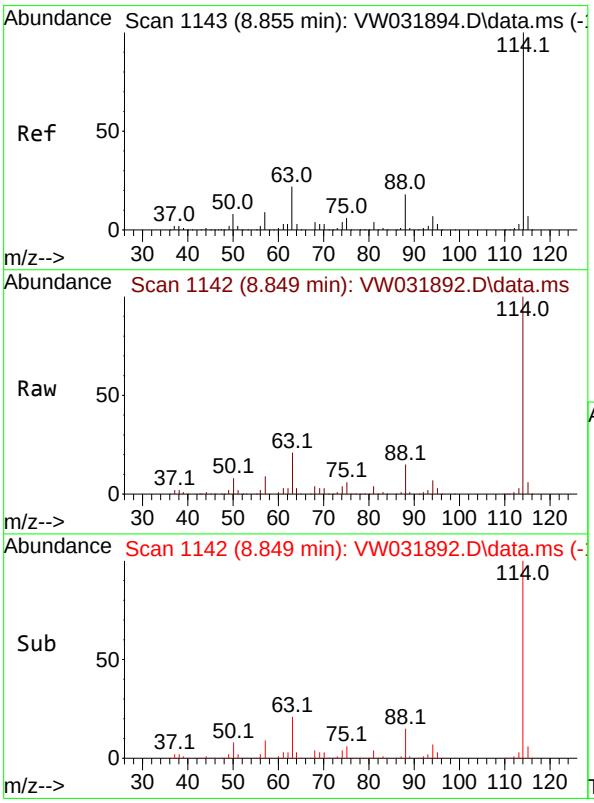
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	101.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

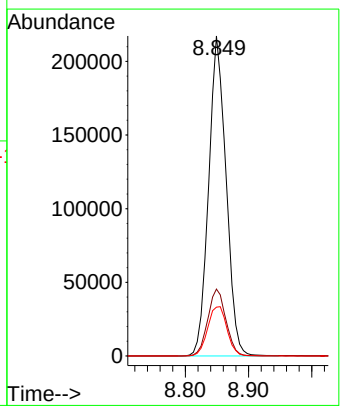
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

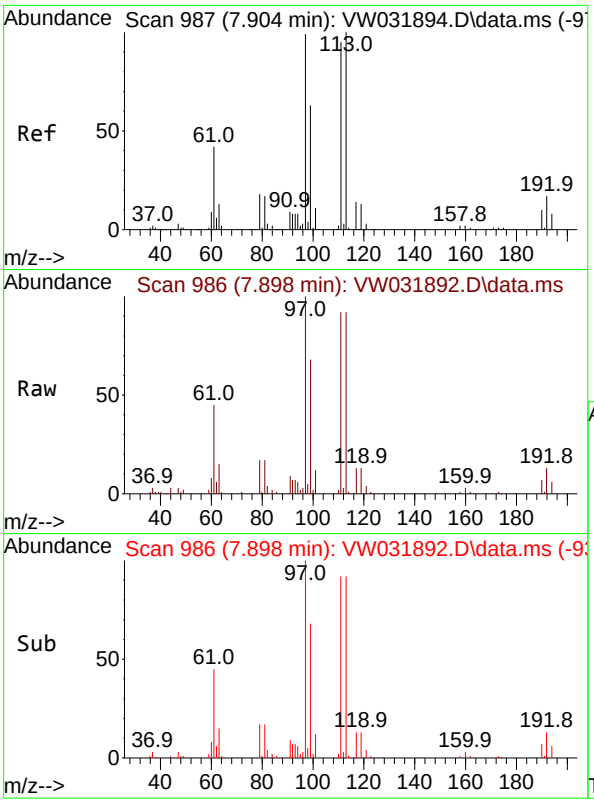


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:114 Resp: 416059

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.2
88	15.2	0.0	35.6

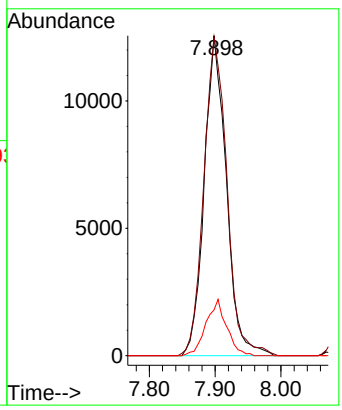




#35
Dibromofluoromethane
Concen: 10.391 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:113 Resp: 2937

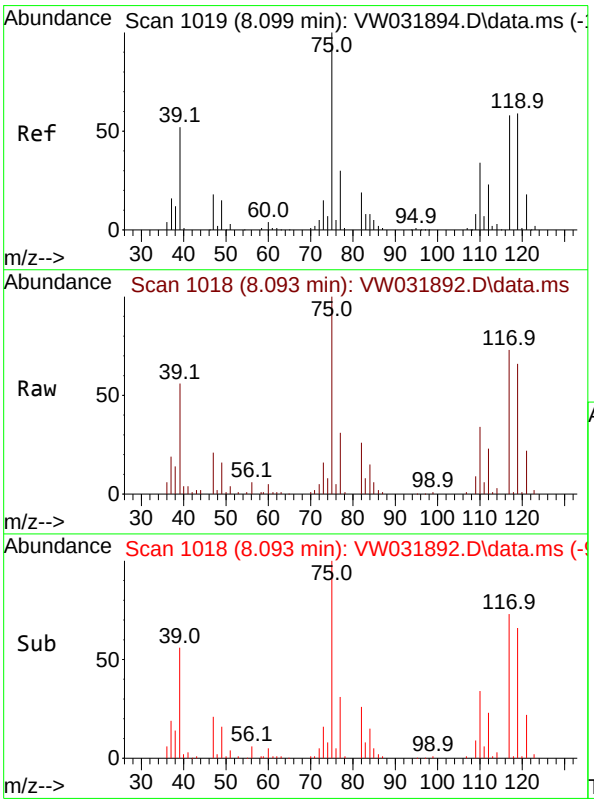
Ion	Ratio	Lower	Upper
113	100		
111	104.3	79.9	119.9
192	16.4	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

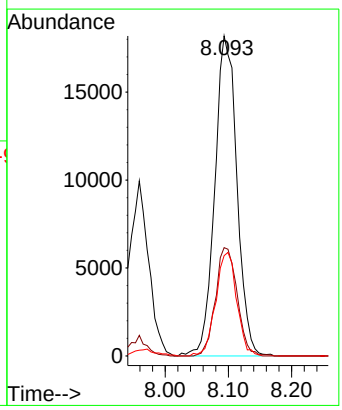
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

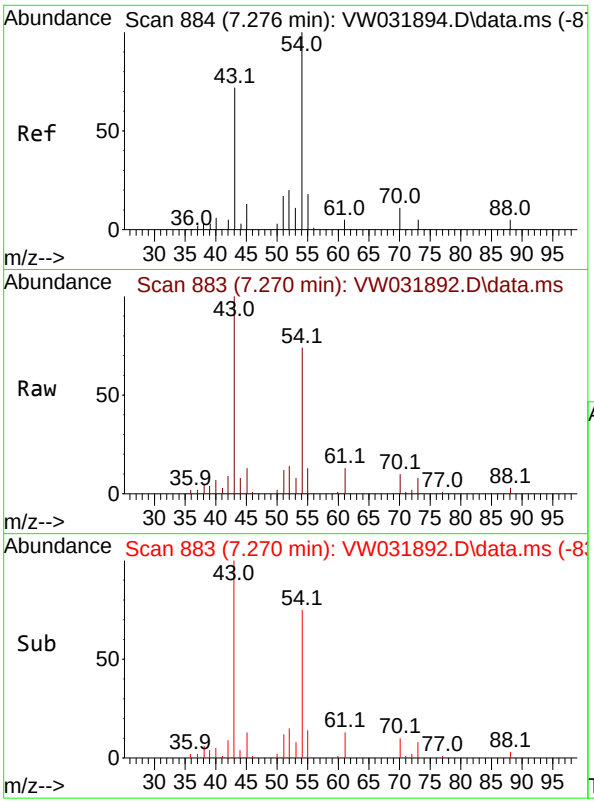


#36
1,1-Dichloropropene
Concen: 10.184 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 44218

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.0	50.9
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 9.405 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

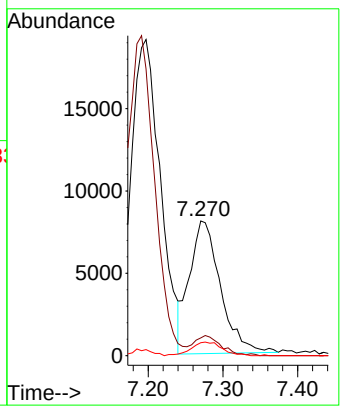
Tgt Ion: 43 Resp: 2329

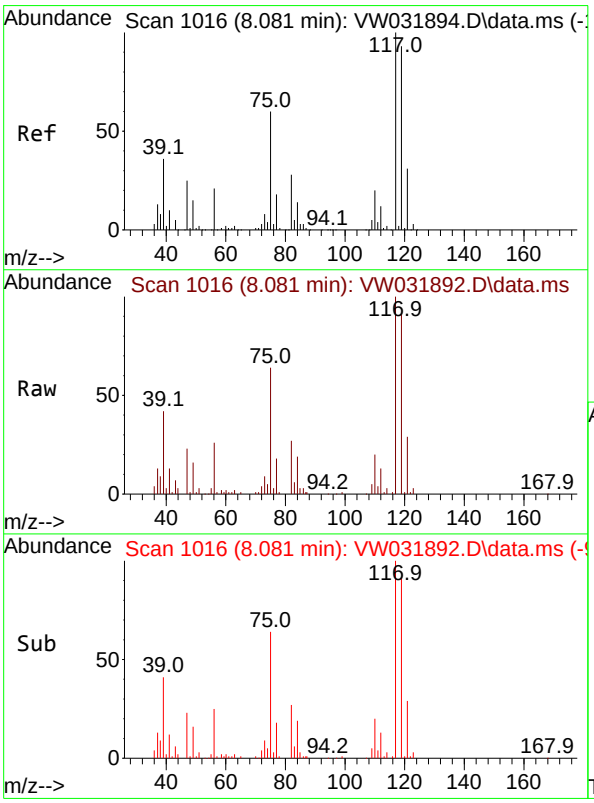
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	10.2	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

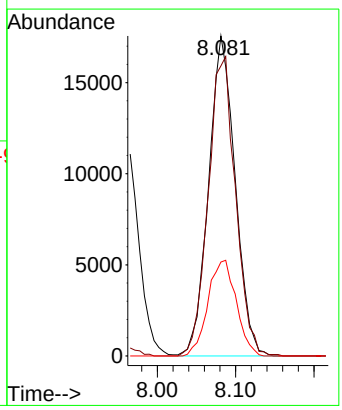


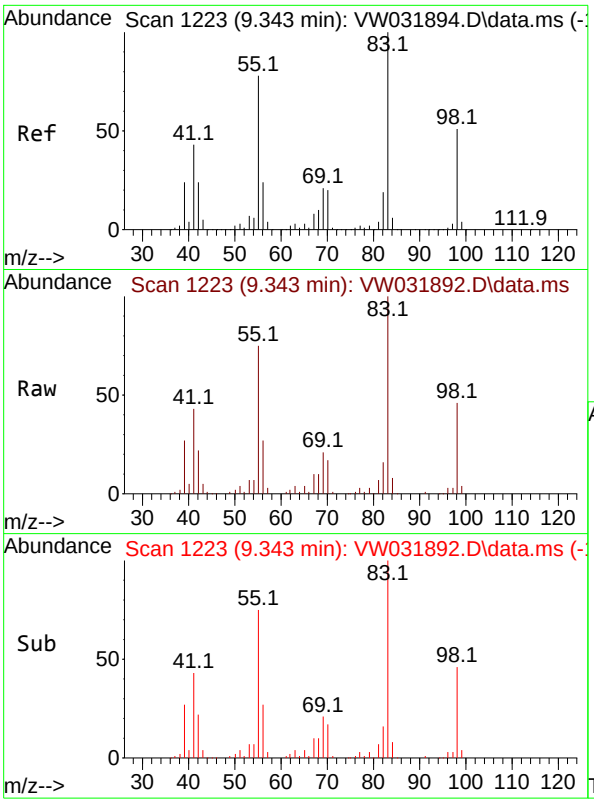


#38
Carbon Tetrachloride
Concen: 9.943 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:117 Resp: 41429

Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.3	111.5
121	29.4	24.6	37.0

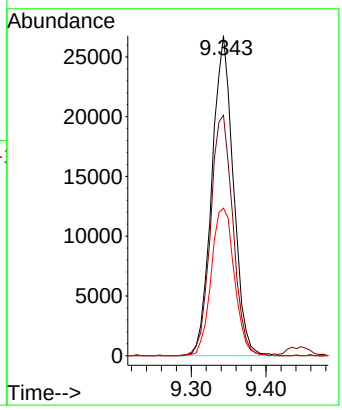




#39
Methylcyclohexane
Concen: 9.785 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 83 Resp: 5346

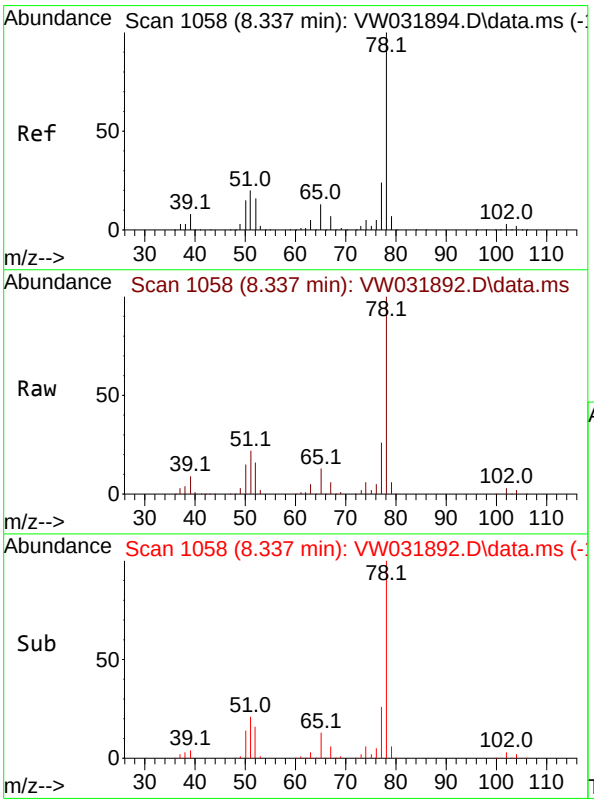
Ion	Ratio	Lower	Upper
83	100		
55	75.1	62.5	93.7
98	46.1	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

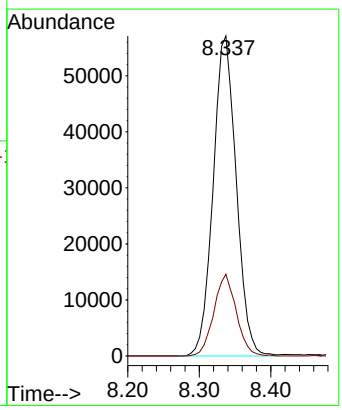
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

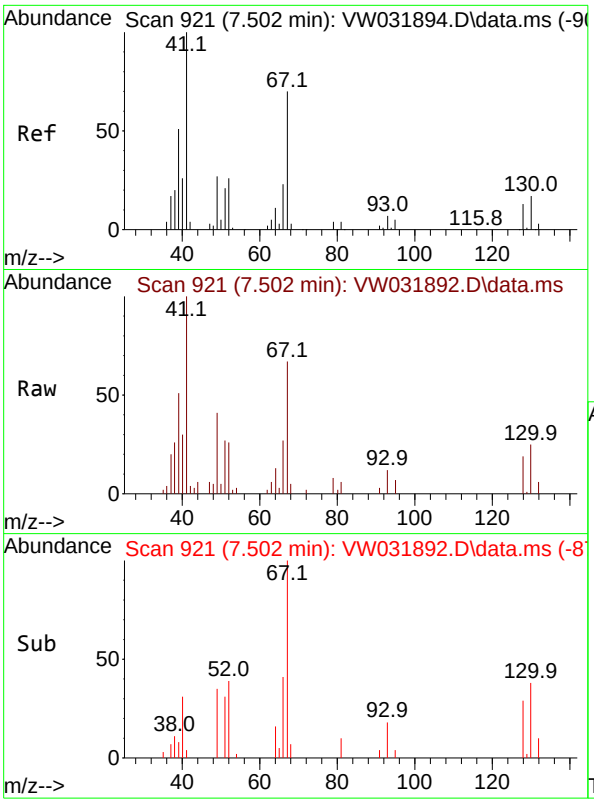


#40
Benzene
Concen: 9.969 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 78 Resp: 128121

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.3	28.9

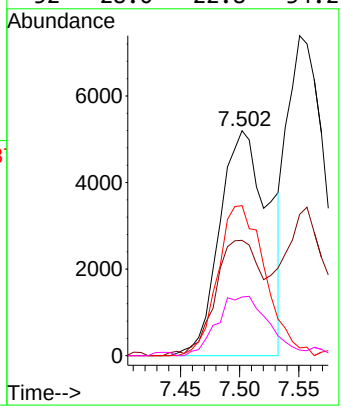




#41
Methacrylonitrile
Concen: 10.209 ug/l m
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 41 Resp: 1489

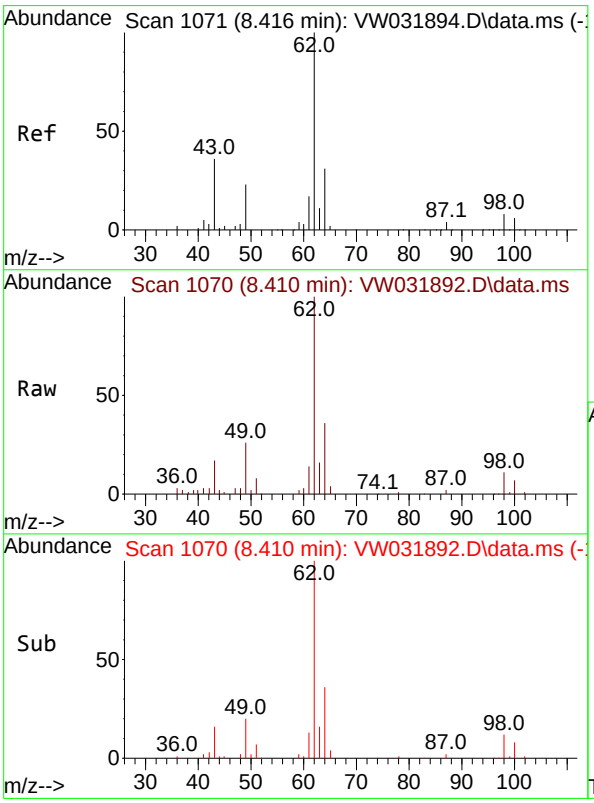
Ion	Ratio	Lower	Upper
41	100		
39	46.5	41.1	61.7
67	64.5	56.2	84.4
52	28.0	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

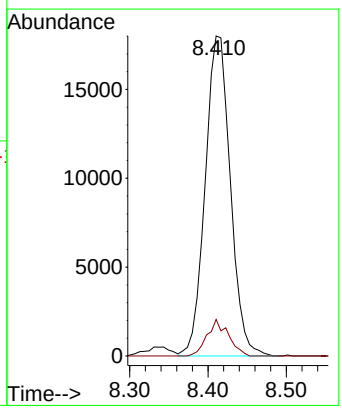
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

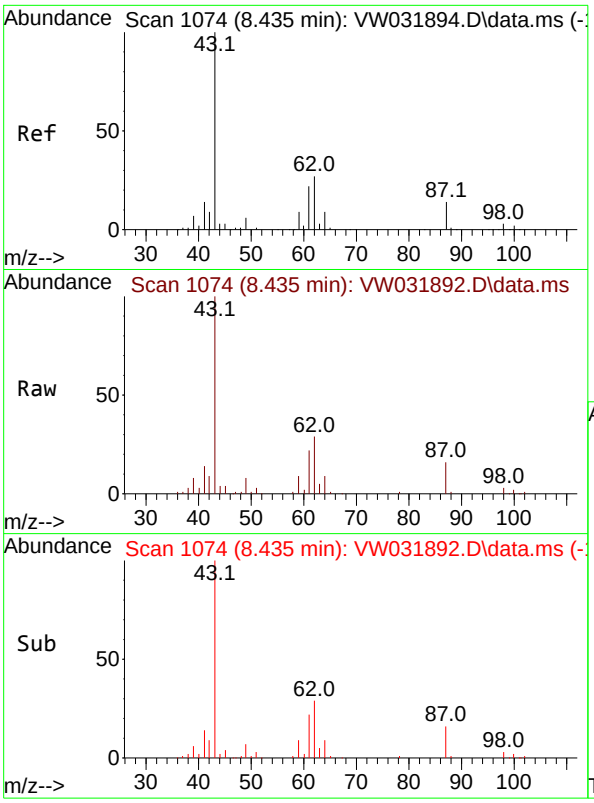


#42
1,2-Dichloroethane
Concen: 9.785 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 62 Resp: 40250

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





#43
Isopropyl Acetate
Concen: 9.109 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

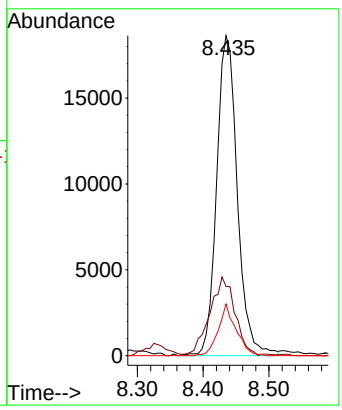
Tgt Ion: 43 Resp: 4084

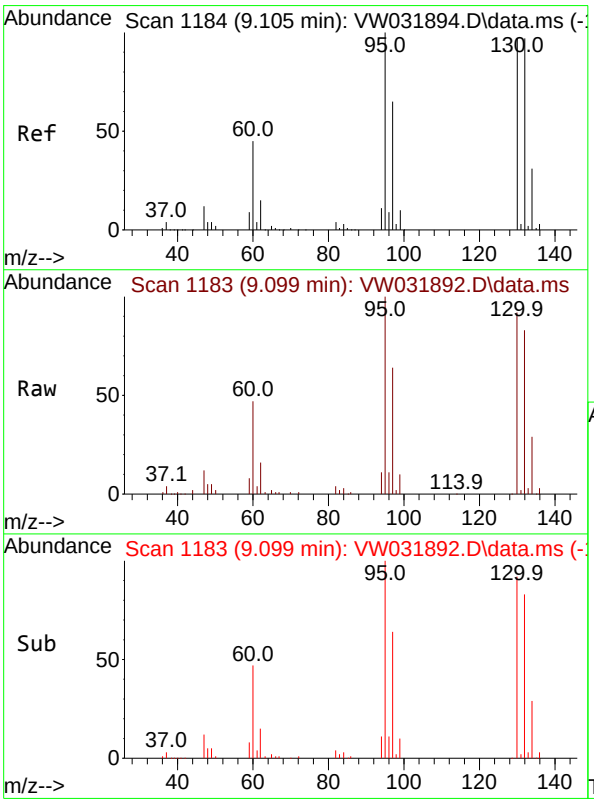
Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.0	36.0
87	13.8	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

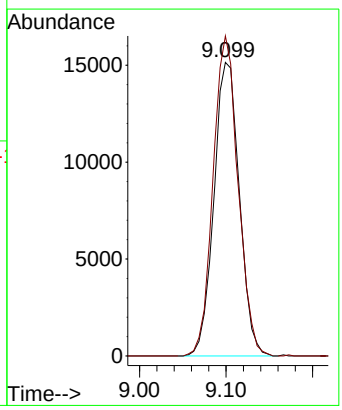


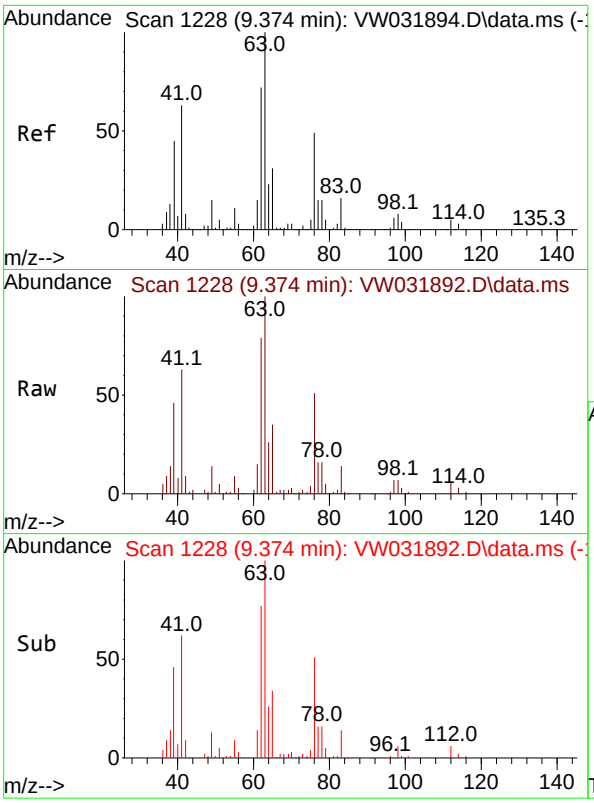


#44
Trichloroethene
Concen: 10.126 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:130 Resp: 30934

Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	206.4





#45
1,2-Dichloropropane
Concen: 9.863 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

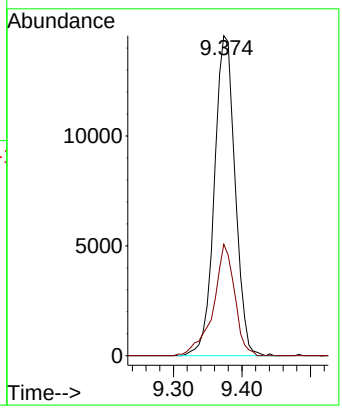
Tgt Ion: 63 Resp: 3052

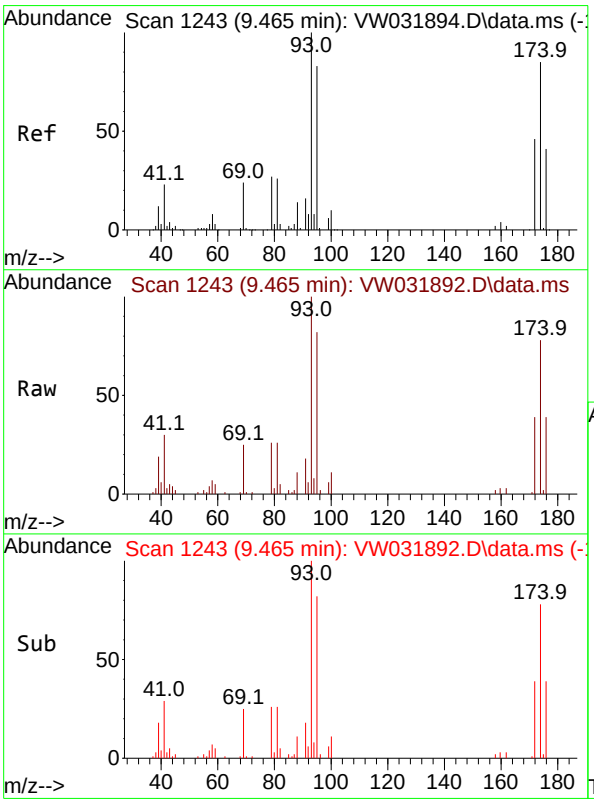
Ion	Ratio	Lower	Upper
63	100		
65	34.8	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

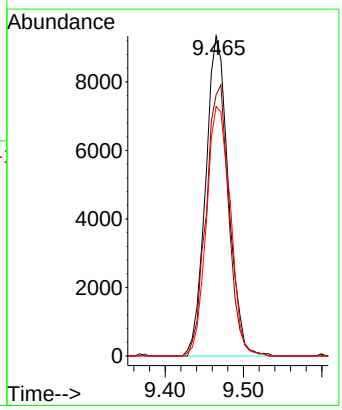


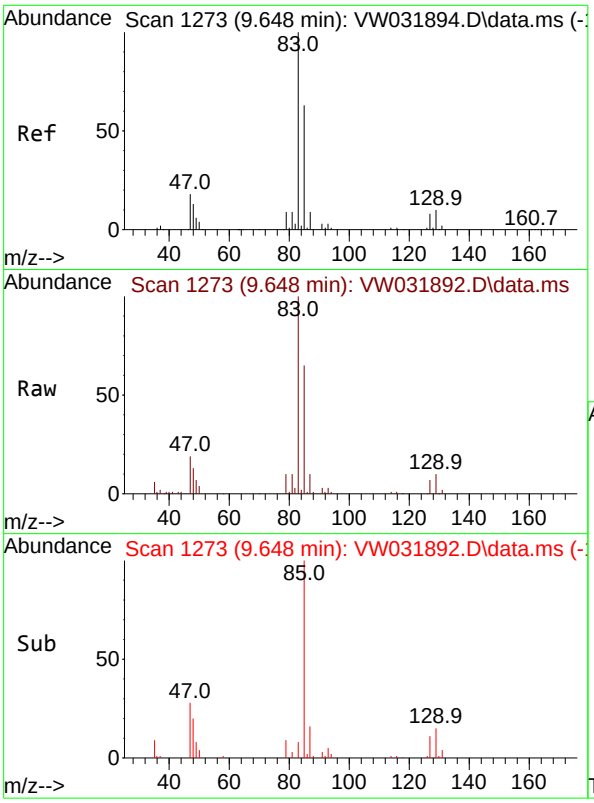


#46
Dibromomethane
Concen: 9.814 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 93 Resp: 18831

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.8	98.6
174	82.0	70.2	105.2





#47
Bromodichloromethane
Concen: 9.868 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

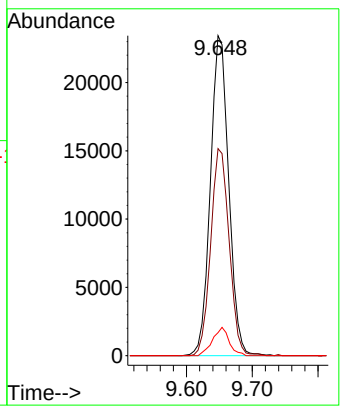
Tgt Ion: 83 Resp: 4540

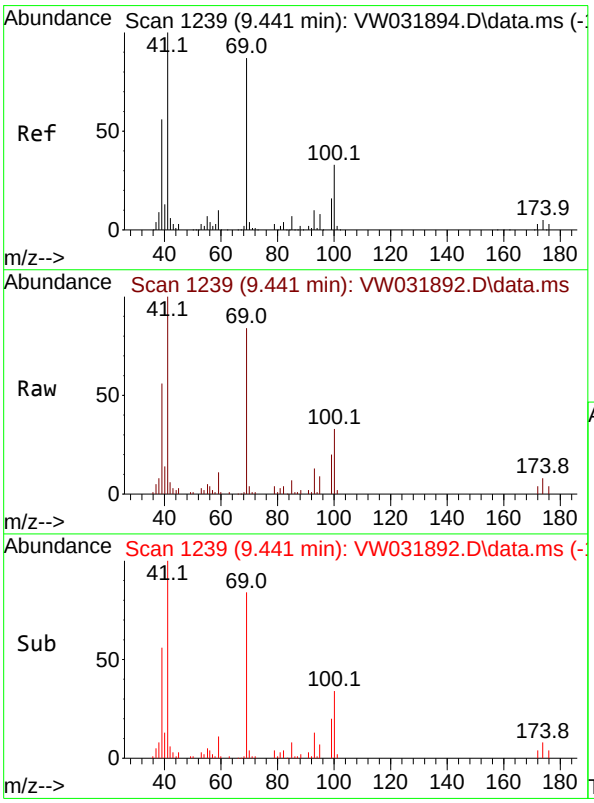
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0
127	7.2	6.5	9.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

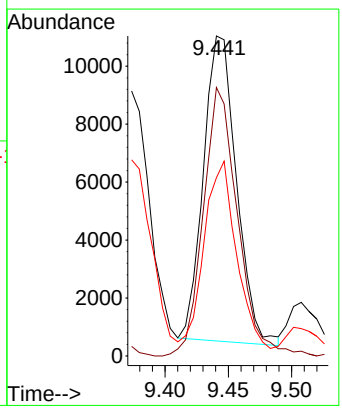


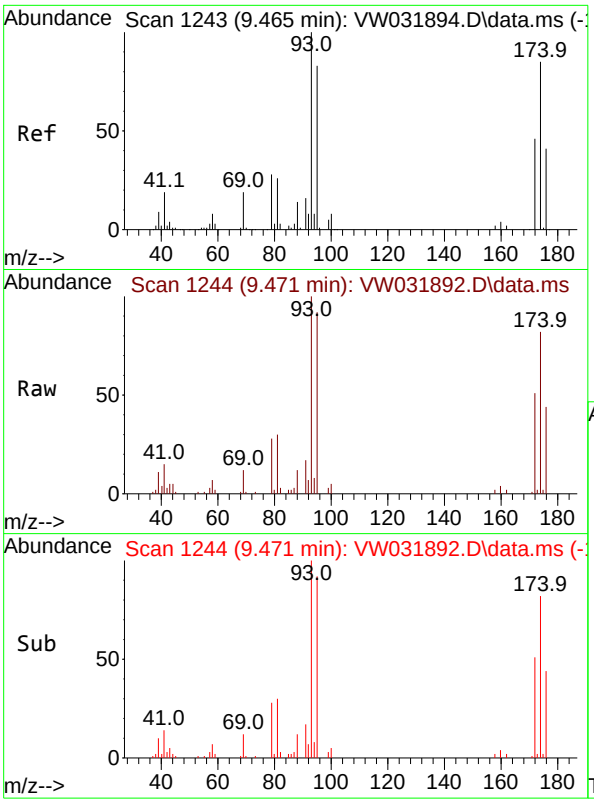


#48
Methyl methacrylate
Concen: 8.949 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 41 Resp: 19089

Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.6	110.4
39	59.4	45.5	68.3

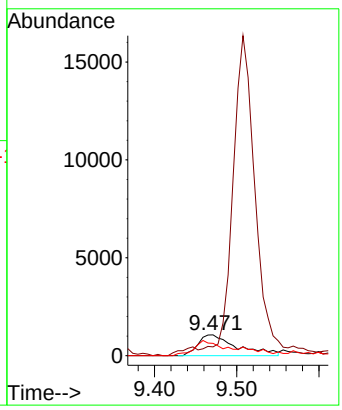




#49
1,4-Dioxane
Concen: 184.165 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 88 Resp: 352

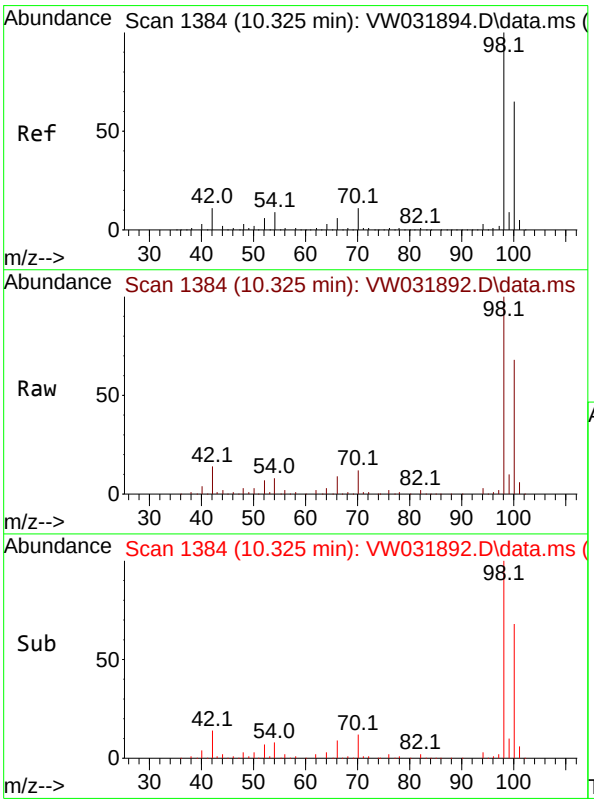
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	54.5	58.2	87.2#



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

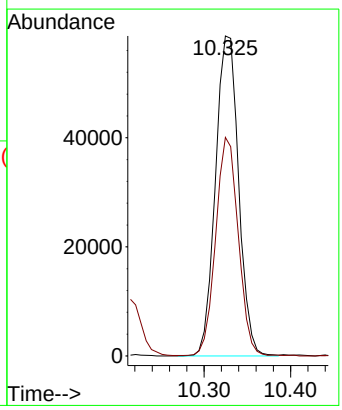
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

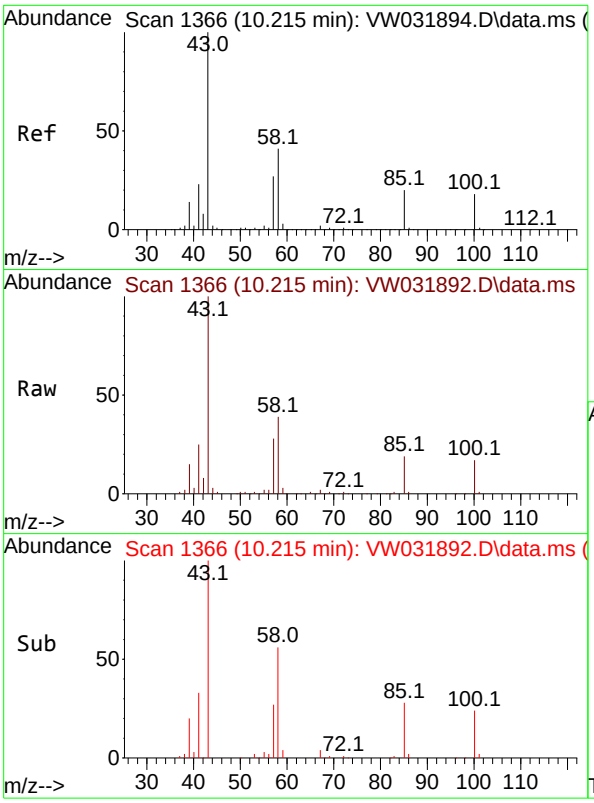


#50
Toluene-d8
Concen: 10.178 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 98 Resp: 108902

Ion	Ratio	Lower	Upper
98	100		
100	66.9	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 45.845 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

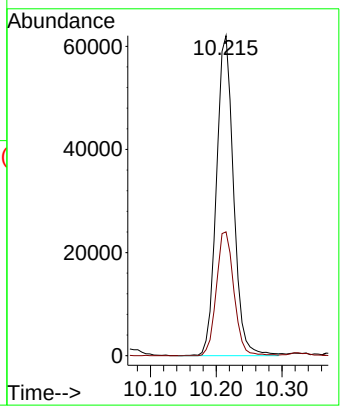
Tgt Ion: 43 Resp: 11249

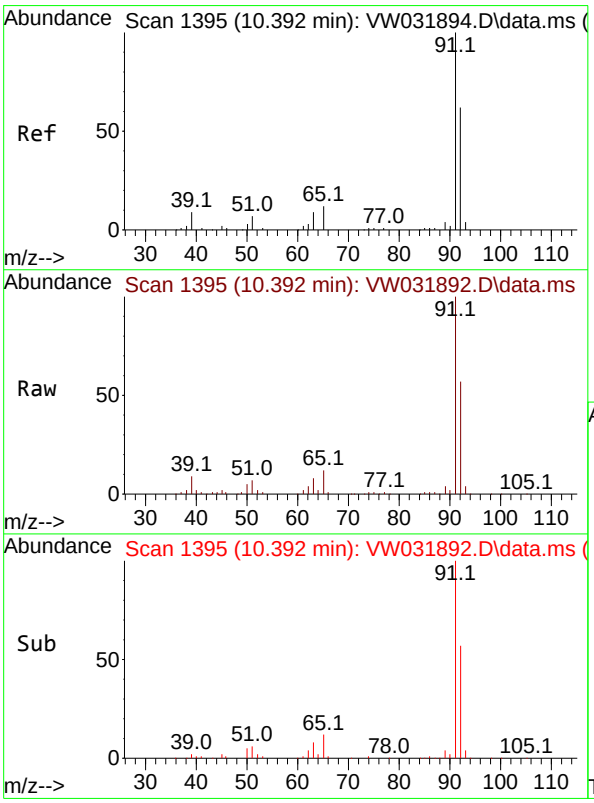
Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

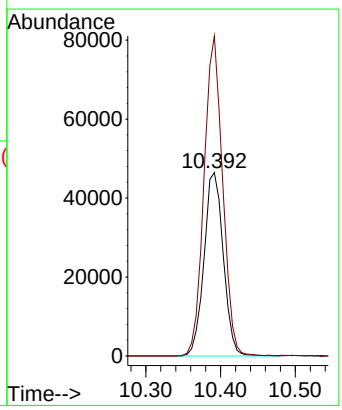


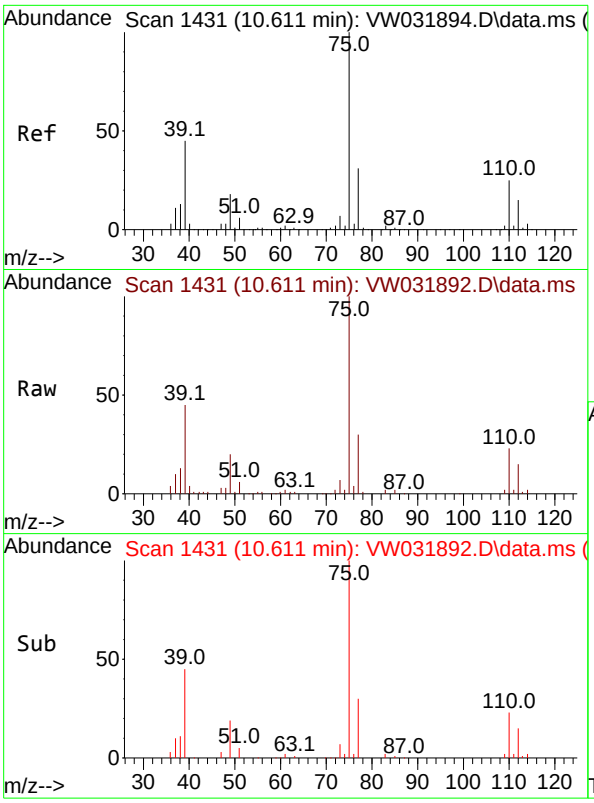


#52
Toluene
Concen: 10.054 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 92 Resp: 83069

Ion	Ratio	Lower	Upper
92	100		
91	168.9	133.7	200.5

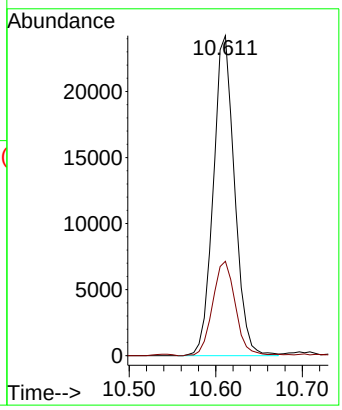




#53
t-1,3-Dichloropropene
Concen: 9.349 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 4126

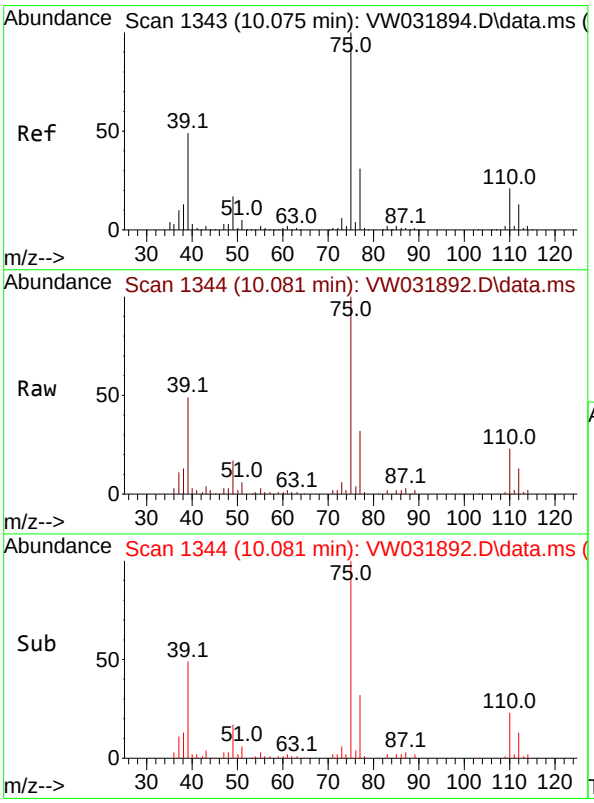
Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

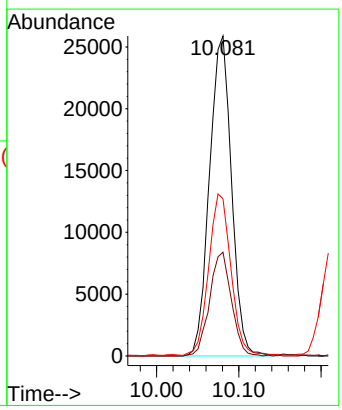
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

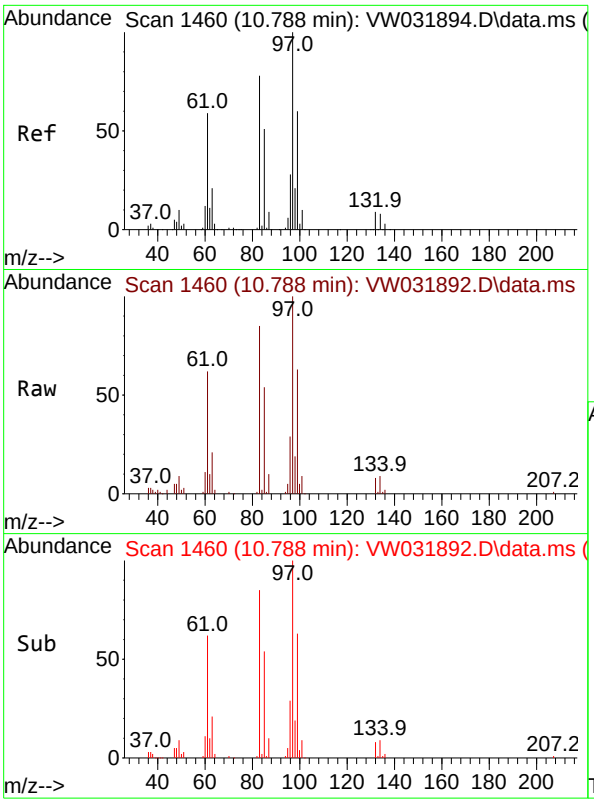


#54
cis-1,3-Dichloropropene
Concen: 9.550 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 48135

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7
39	48.8	39.3	58.9

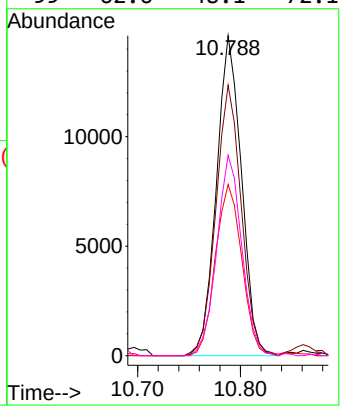




#55
1,1,2-Trichloroethane
Concen: 9.682 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 97 Resp: 2467

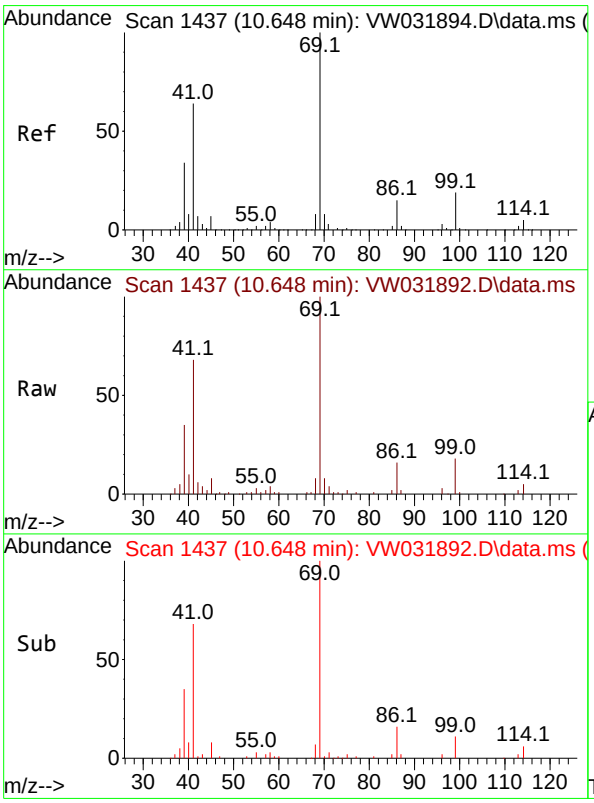
Ion	Ratio	Lower	Upper
97	100		
83	84.5	62.4	93.6
85	53.5	41.0	61.6
99	62.6	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

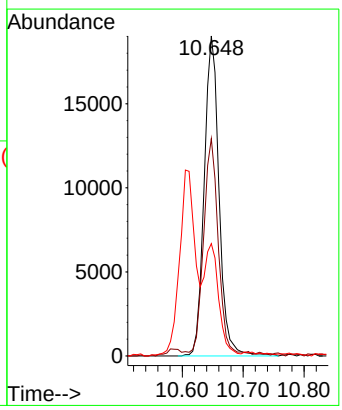
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

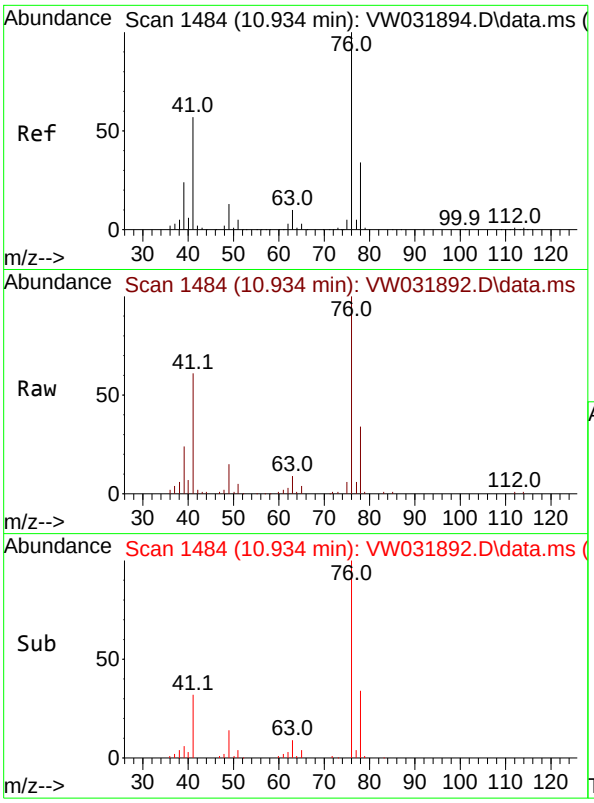


#56
Ethyl methacrylate
Concen: 8.978 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 69 Resp: 32317

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.0	78.0
39	33.1	26.6	40.0





#57
1,3-Dichloropropane
Concen: 9.723 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

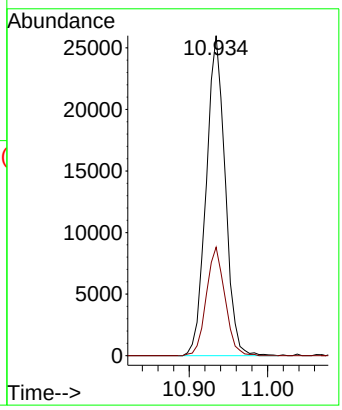
Tgt Ion: 76 Resp: 4365

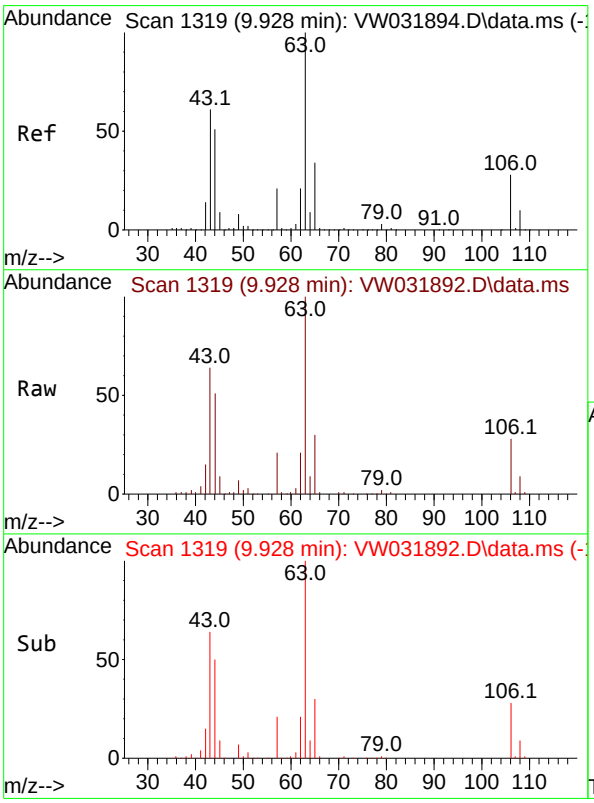
Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

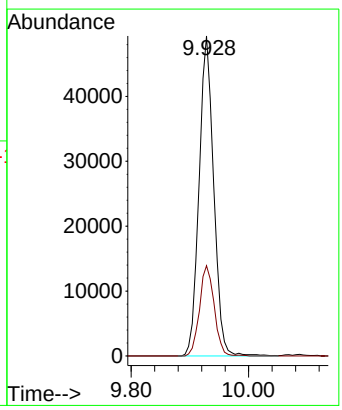


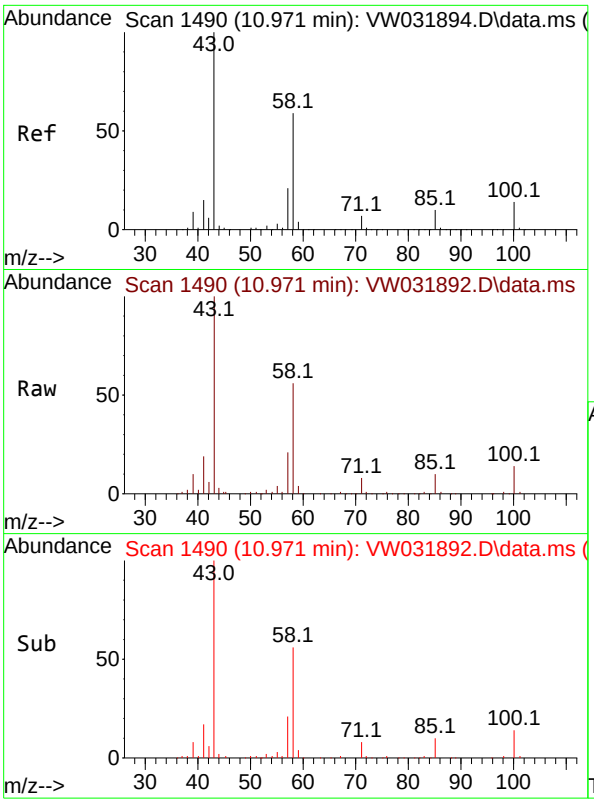


#58
2-Chloroethyl Vinyl ether
Concen: 46.194 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 63 Resp: 85410

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





#59
2-Hexanone
Concen: 45.837 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

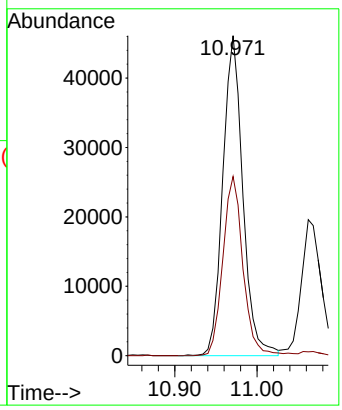
Tgt Ion: 43 Resp: 7818

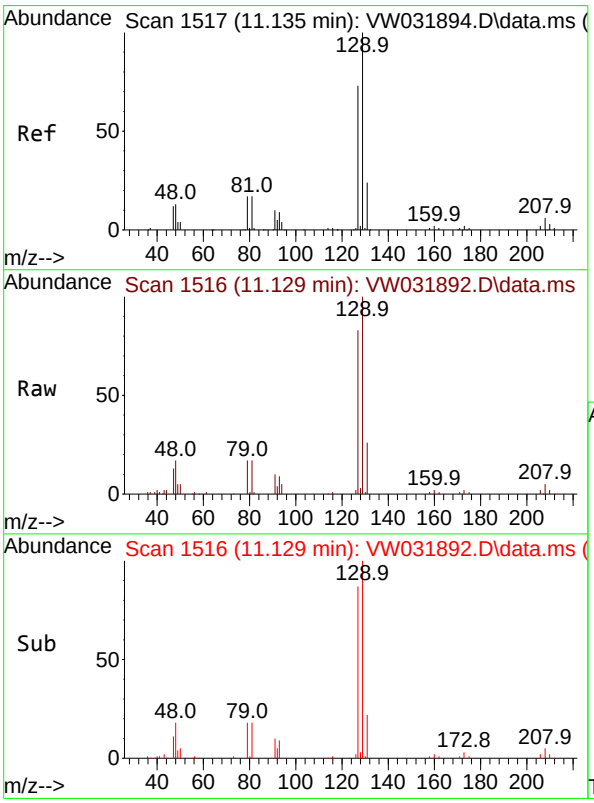
Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

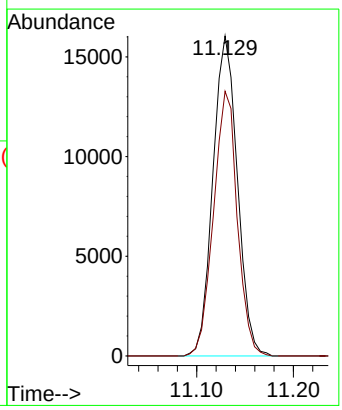


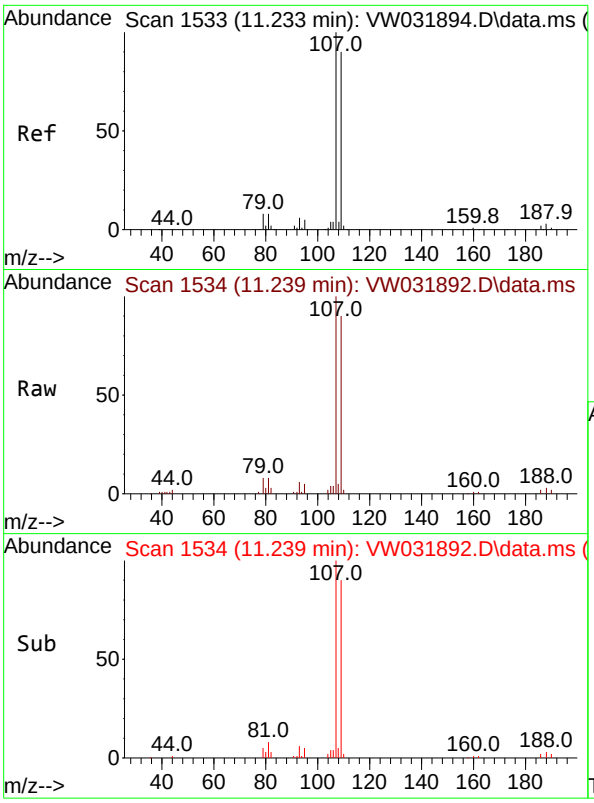


#60
Dibromochloromethane
Concen: 9.486 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:129 Resp: 28189

Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.6	118.8

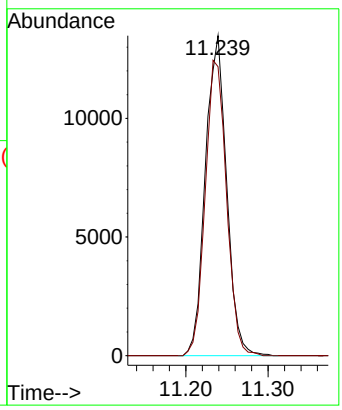




#61
1,2-Dibromoethane
Concen: 9.617 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:107 Resp: 2421

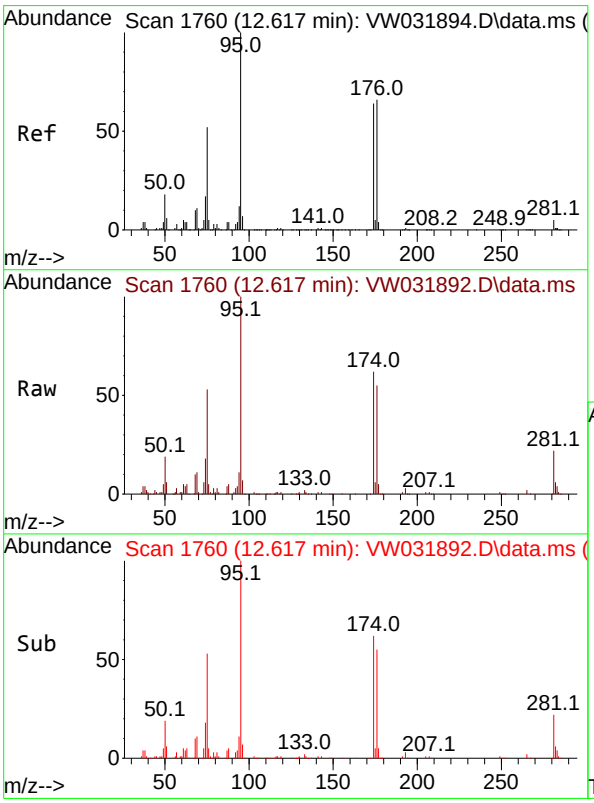
Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

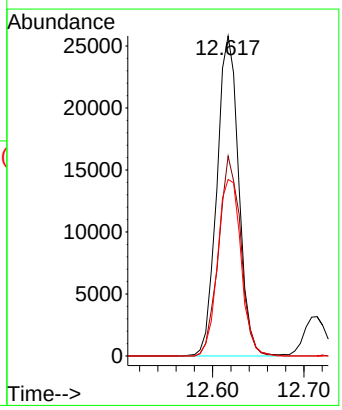
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

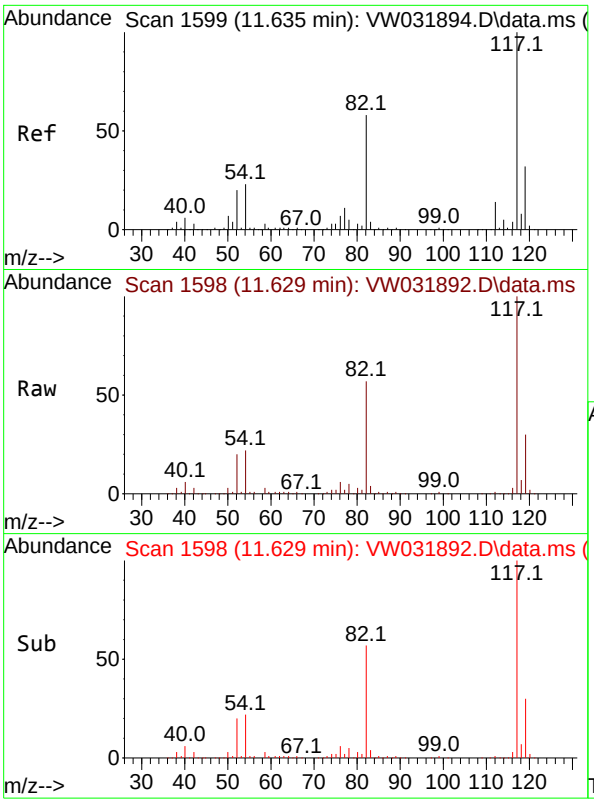


#62
4-Bromofluorobenzene
Concen: 10.434 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 95 Resp: 42871

Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	129.8
176	59.4	0.0	130.4

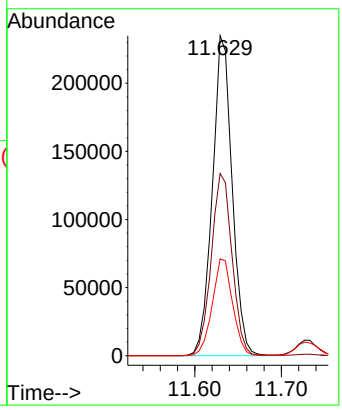




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:117 Resp: 37278

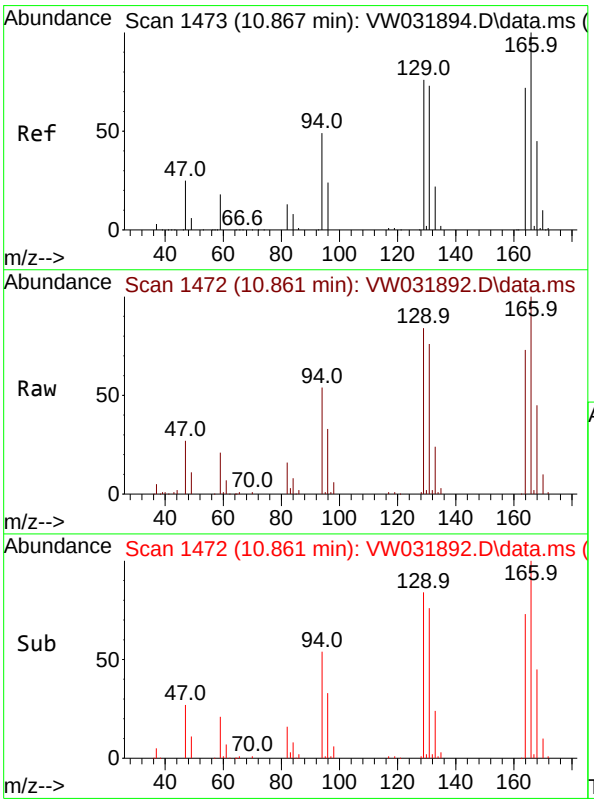
Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	30.2	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

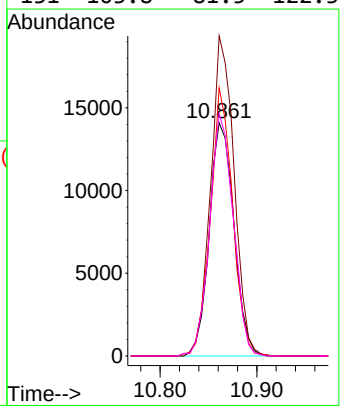
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

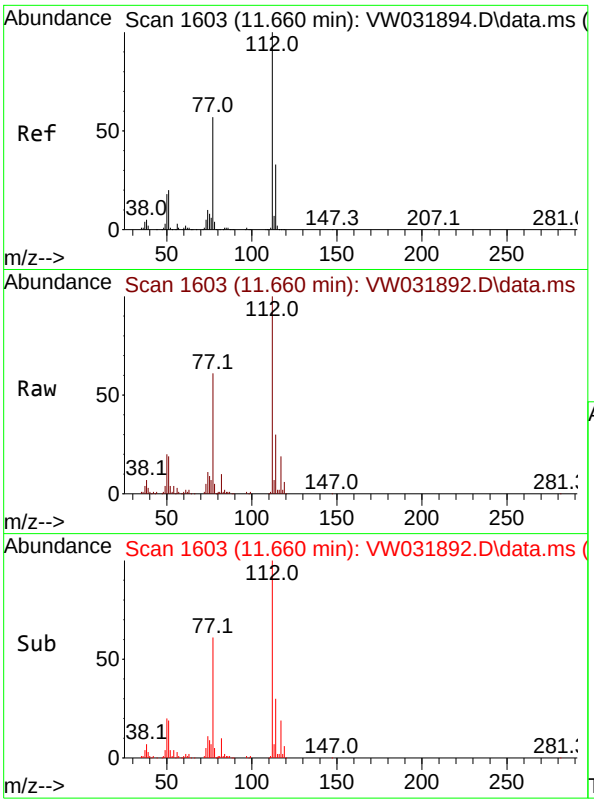


#64
Tetrachloroethene
Concen: 10.138 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:164 Resp: 24918

Ion	Ratio	Lower	Upper
164	100		
166	137.3	111.5	167.3
129	115.0	85.1	127.7
131	103.8	81.5	122.3

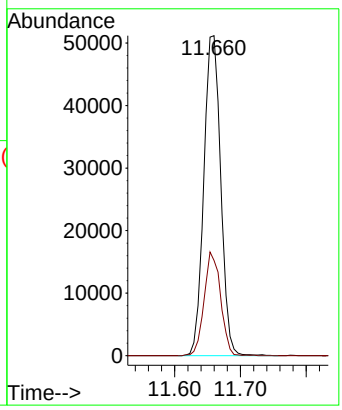




#65
Chlorobenzene
Concen: 10.024 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:112 Resp: 9146(

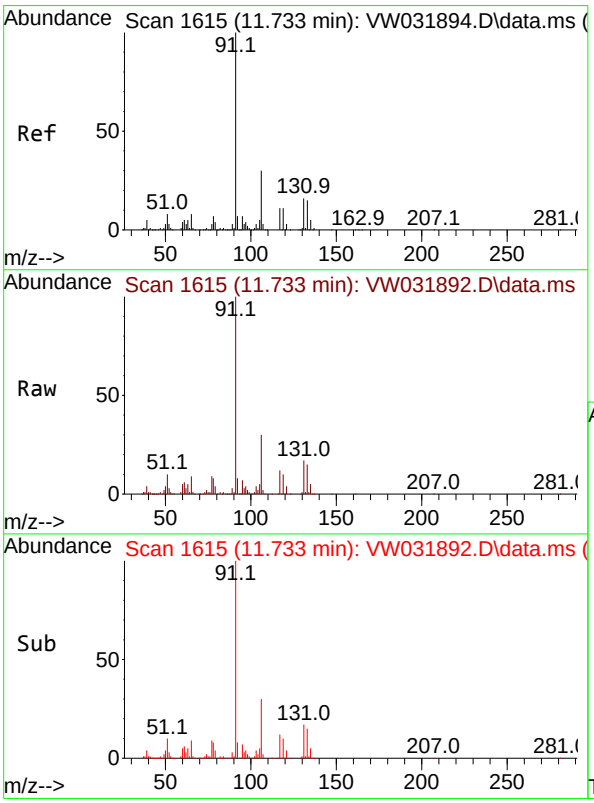
Ion	Ratio	Lower	Upper
112	100		
114	29.8	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

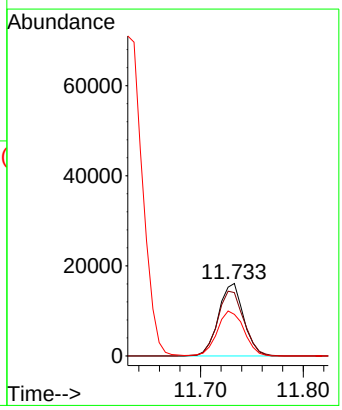
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

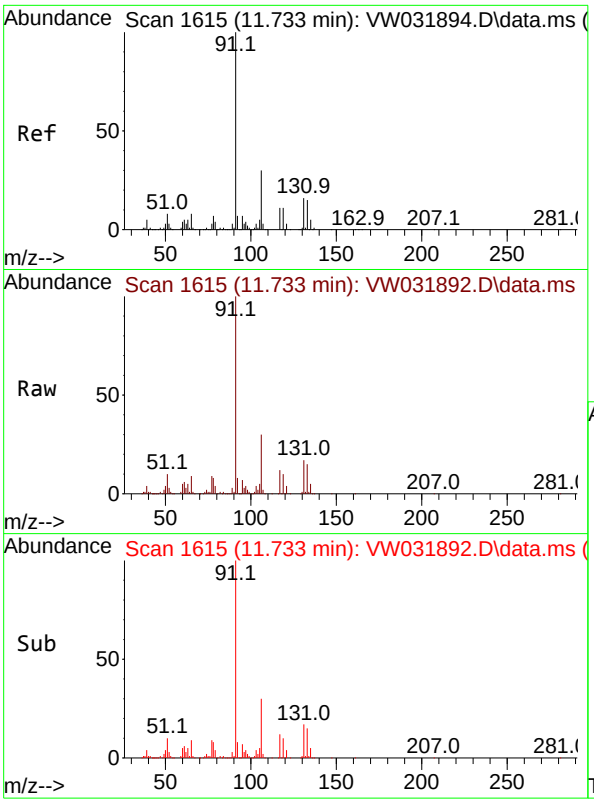


#66
1,1,1,2-Tetrachloroethane
Concen: 9.647 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:131 Resp: 27287

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.1	144.4
119	66.2	33.7	101.1

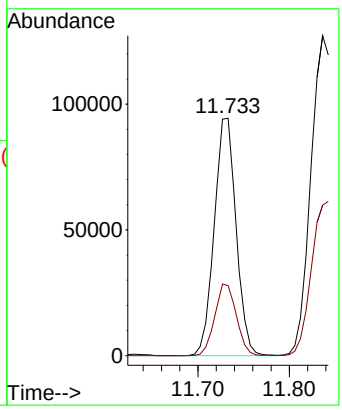




#67
Ethyl Benzene
Concen: 9.801 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 15710

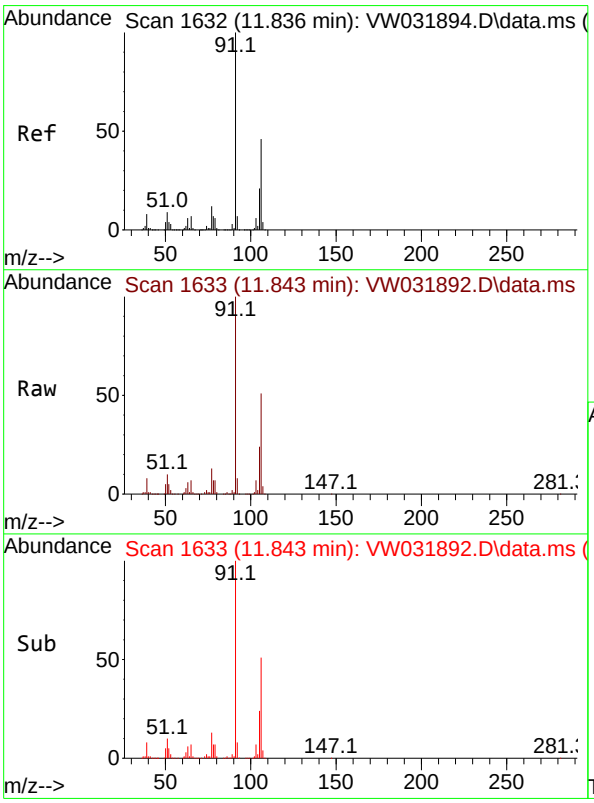
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

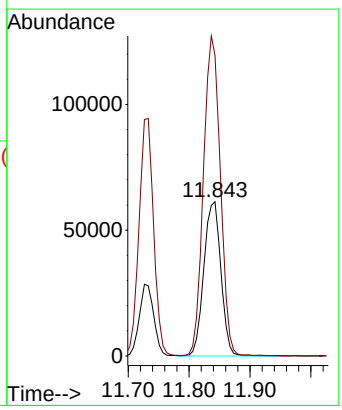
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

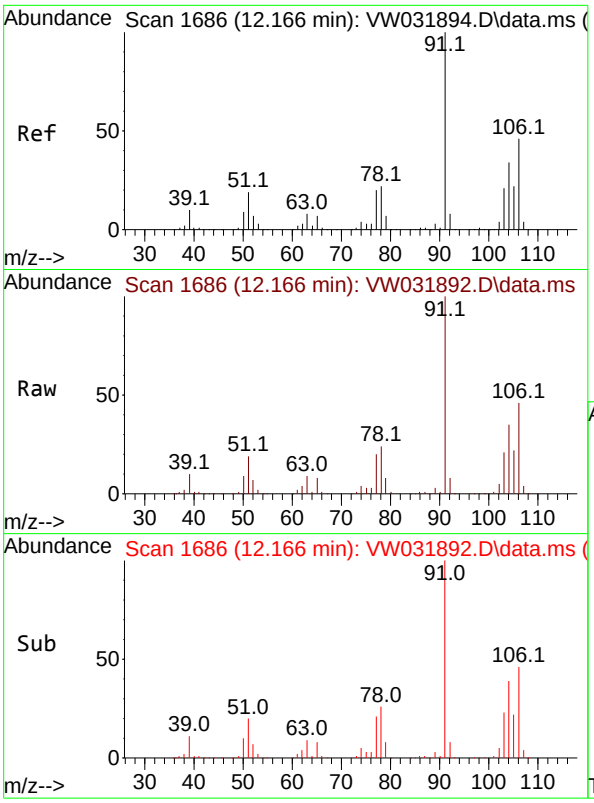


#68
m/p-Xylenes
Concen: 19.791 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:106 Resp: 119437

Ion	Ratio	Lower	Upper
106	100		
91	205.3	167.7	251.5

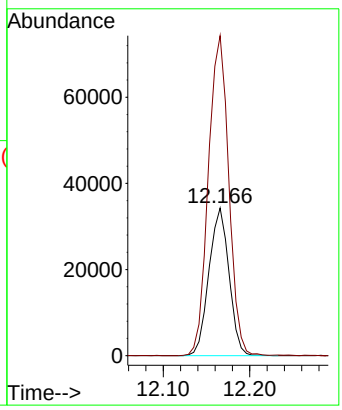




#69
o-Xylene
Concen: 9.684 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:106 Resp: 5530

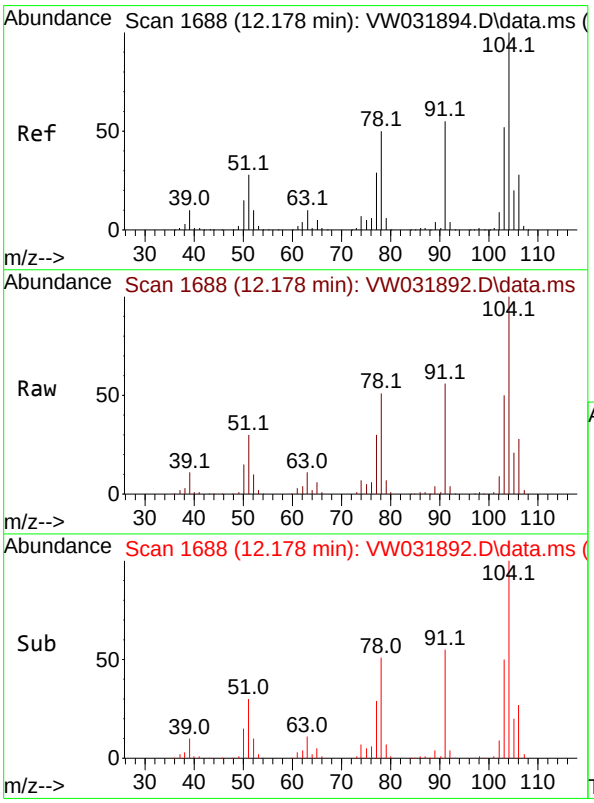
Ion	Ratio	Lower	Upper
106	100		
91	220.2	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

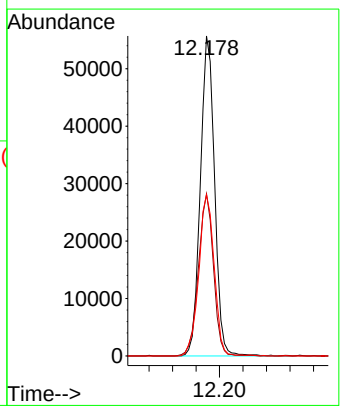
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

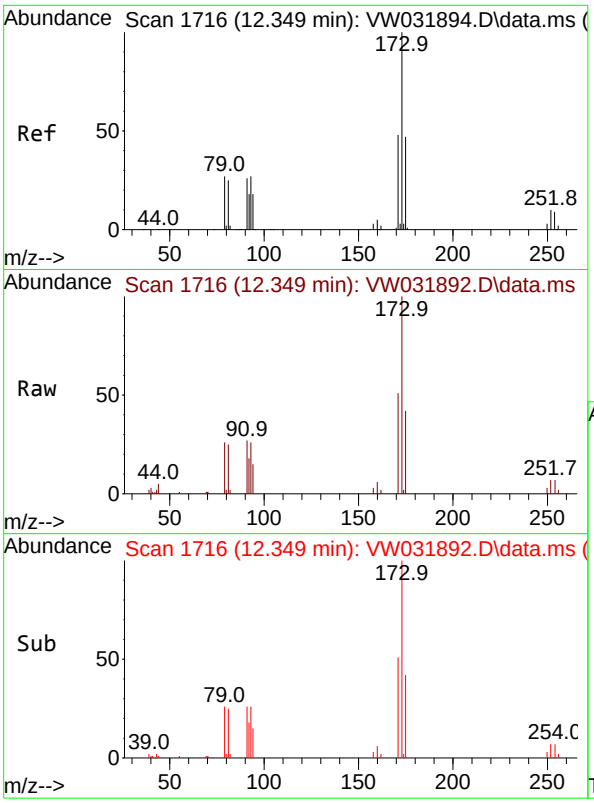


#70
Styrene
Concen: 9.660 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:104 Resp: 93933

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.5	42.8	64.2

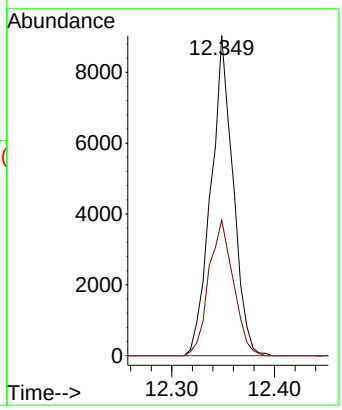




#71
Bromoform
Concen: 8.759 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:173 Resp: 1354

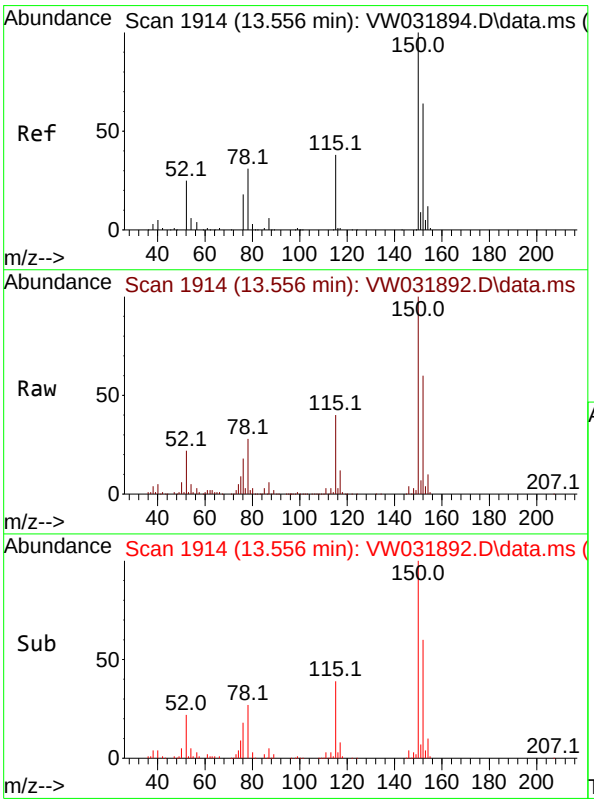
Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.5	73.5
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

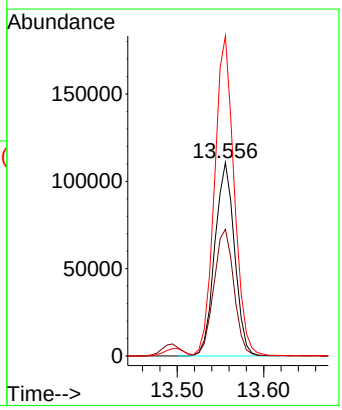
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

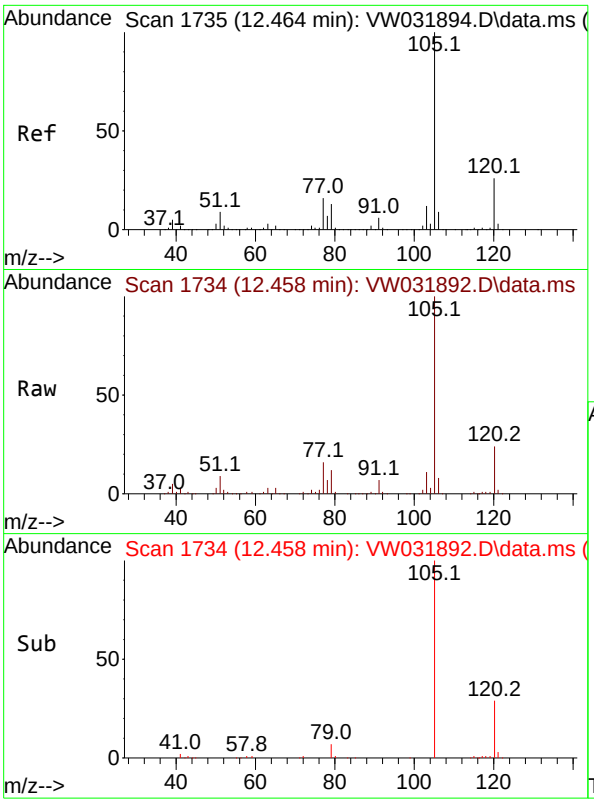


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:152 Resp: 174884

Ion	Ratio	Lower	Upper
152	100		
115	66.8	33.4	100.1
150	165.0	0.0	352.2

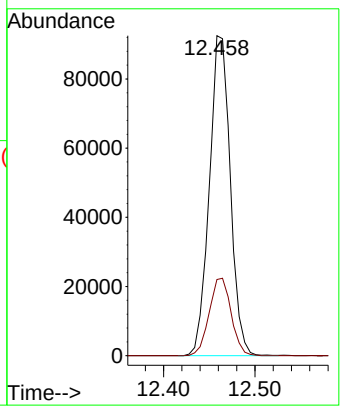




#73
Isopropylbenzene
Concen: 9.698 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 14715

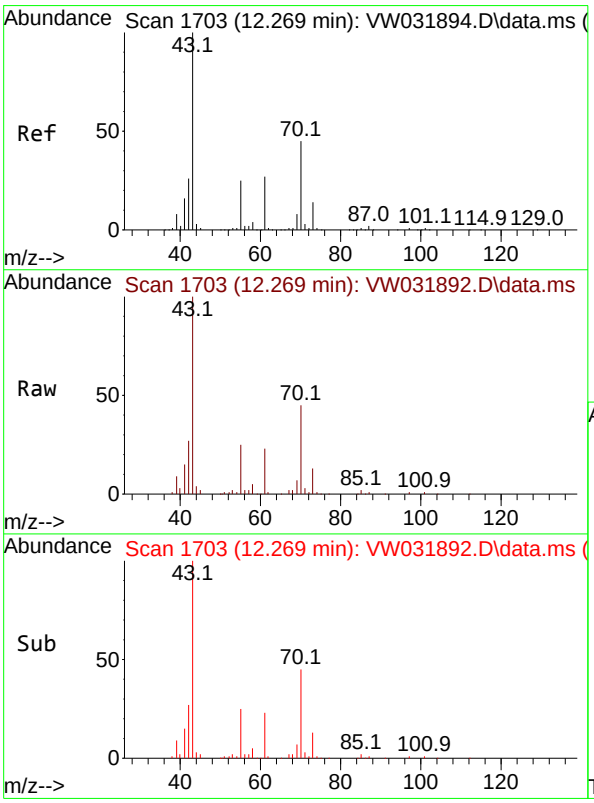
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

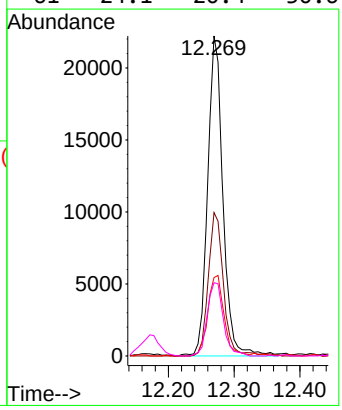
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

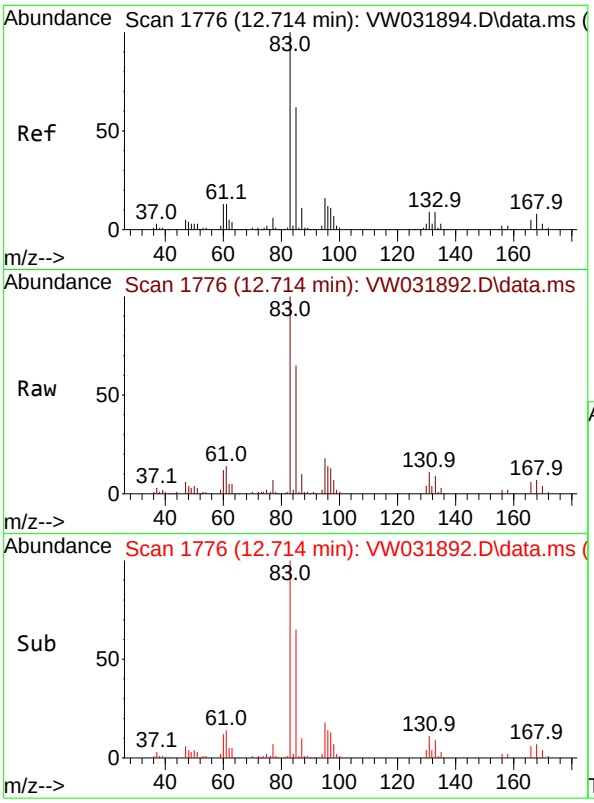


#74
N-amyl acetate
Concen: 8.774 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 35992

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.6	55.0
55	26.5	20.7	31.1
61	24.1	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 9.245 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

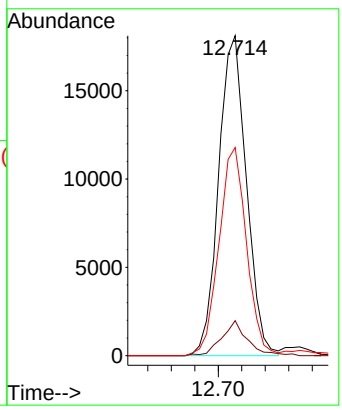
Tgt Ion: 83 Resp: 2977

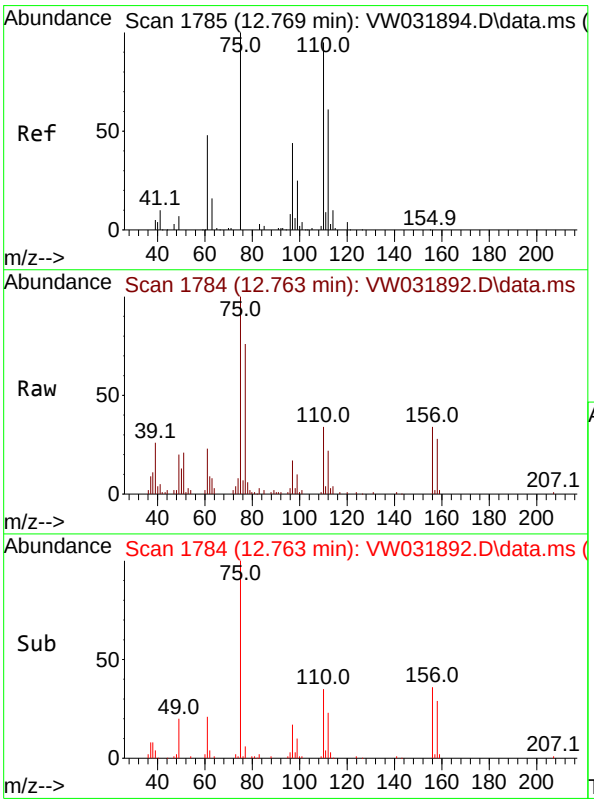
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.4	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

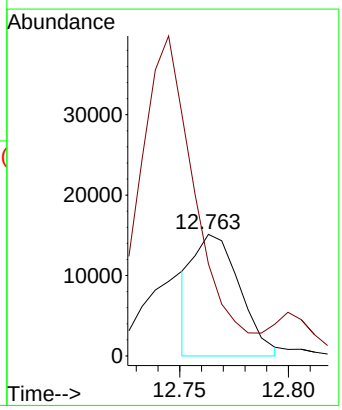


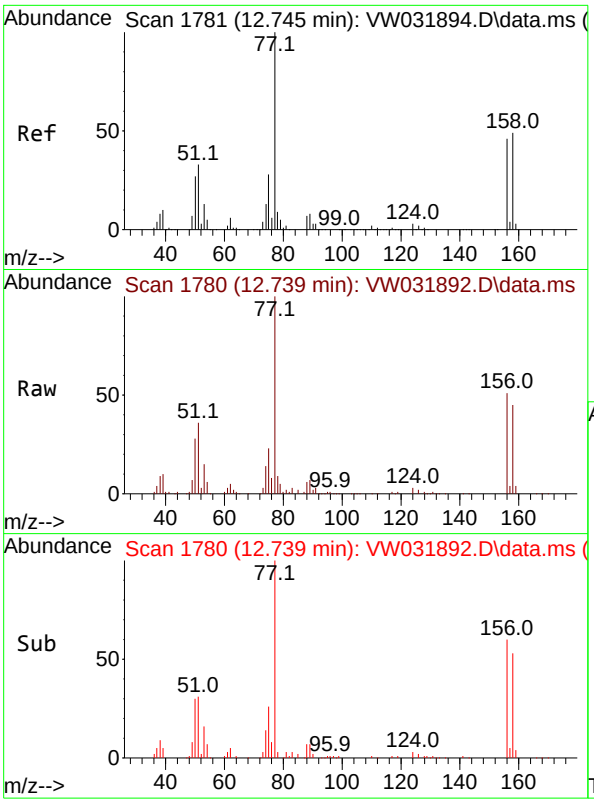


#76
1,2,3-Trichloropropane
Concen: 9.362 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 22414

Ion	Ratio	Lower	Upper
75	100		
77	320.2	0.0	0.0#

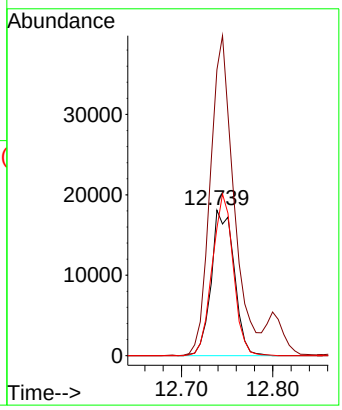




#77
Bromobenzene
Concen: 9.650 ug/l
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:156 Resp: 3168

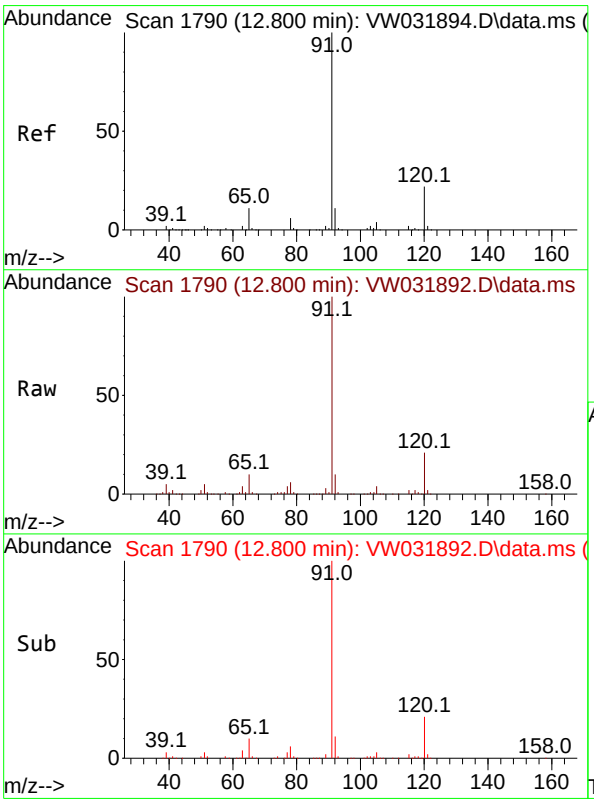
Ion	Ratio	Lower	Upper
156	100		
77	226.5	115.3	345.8
158	101.8	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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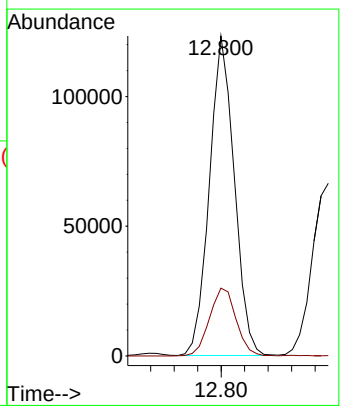
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

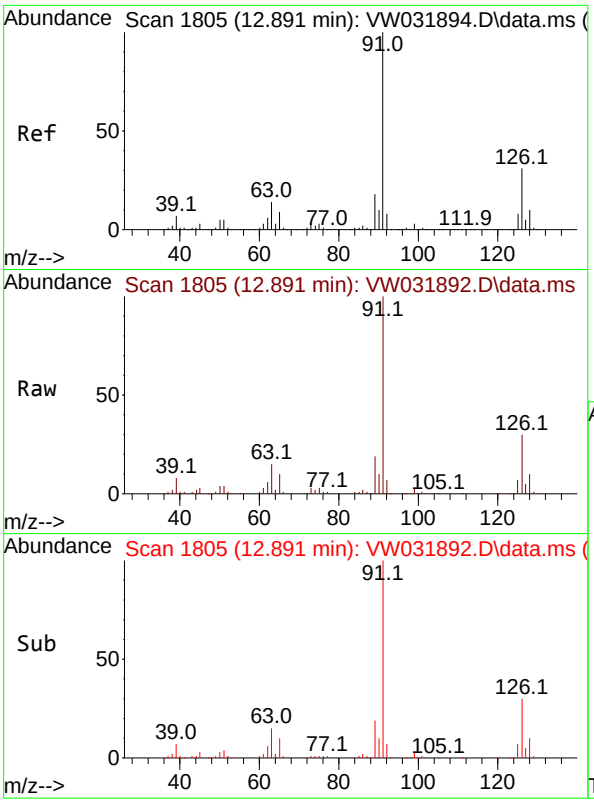


#78
n-propylbenzene
Concen: 9.709 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 180937

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 9.716 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

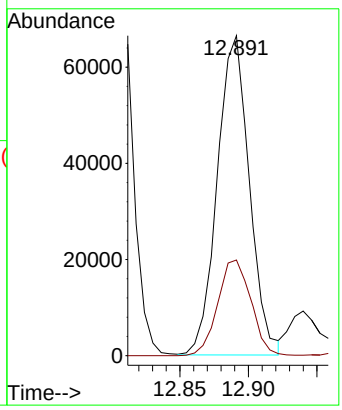
Tgt Ion: 91 Resp: 10810

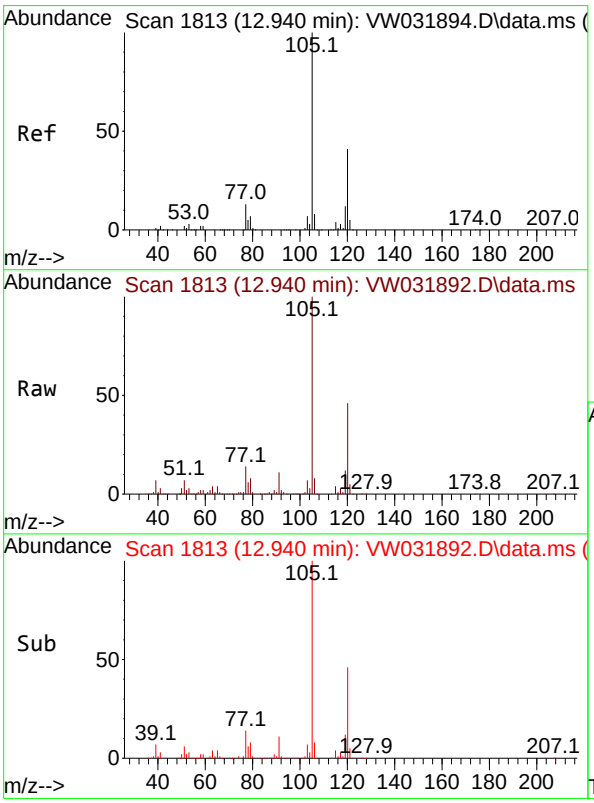
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

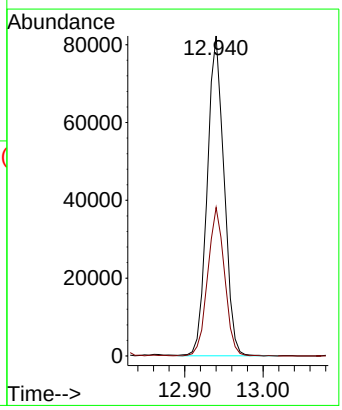


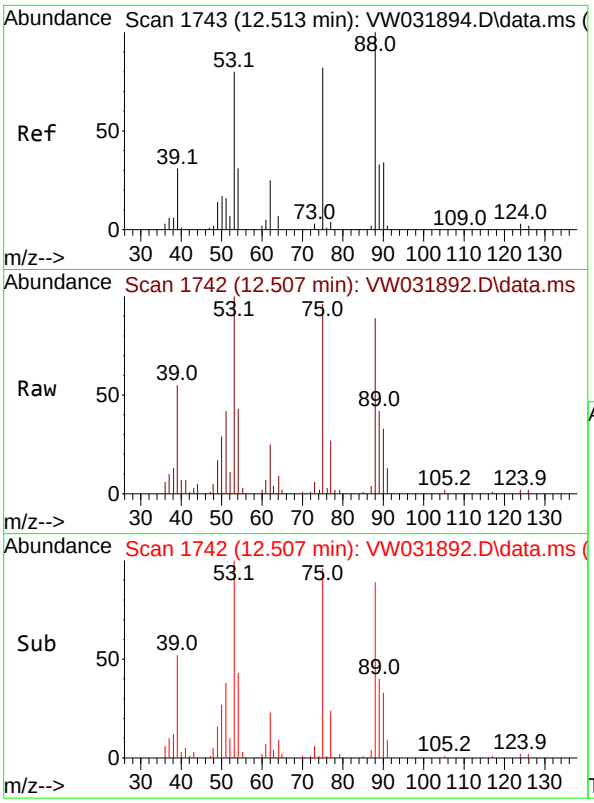


#80
1,3,5-Trimethylbenzene
Concen: 9.626 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 122504

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 8.558 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

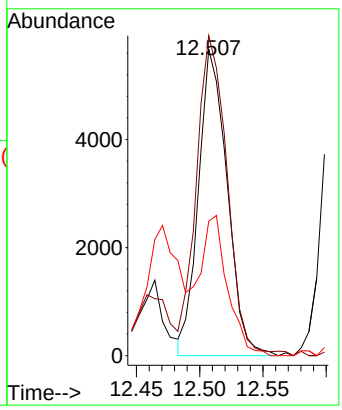
Tgt Ion: 75 Resp: 895

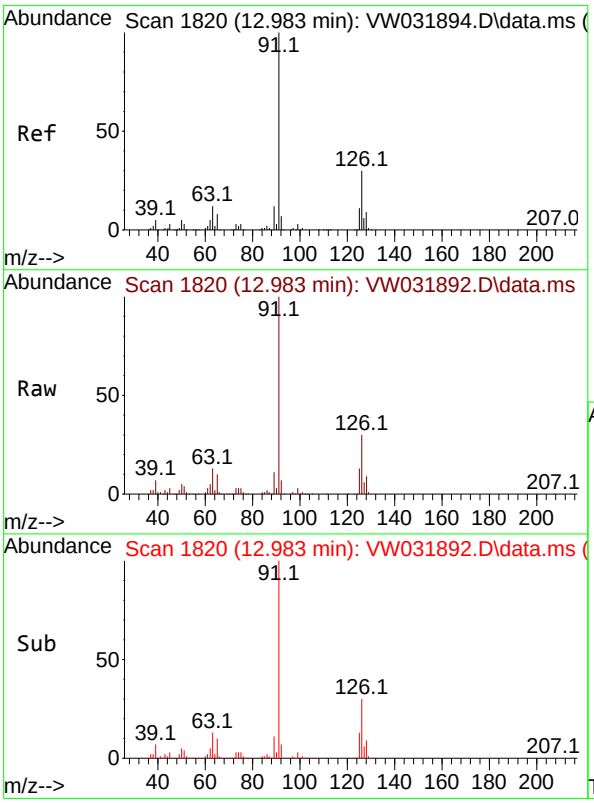
Ion	Ratio	Lower	Upper
75	100		
53	112.4	83.7	125.5
89	46.0	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

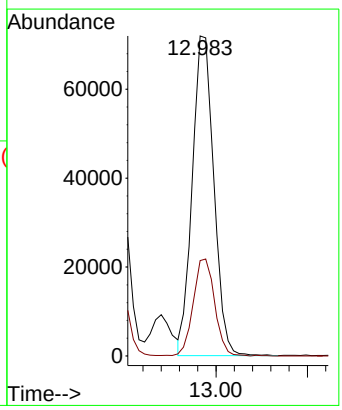


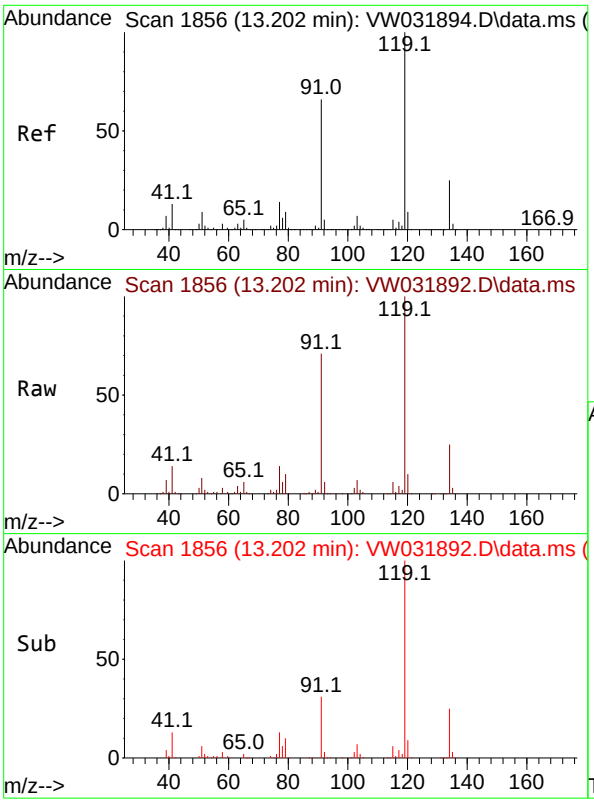


#82
4-Chlorotoluene
Concen: 10.068 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 117523

Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.8	47.3

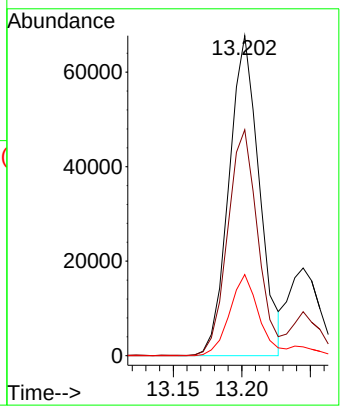




#83
tert-Butylbenzene
Concen: 9.630 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:119 Resp: 10439

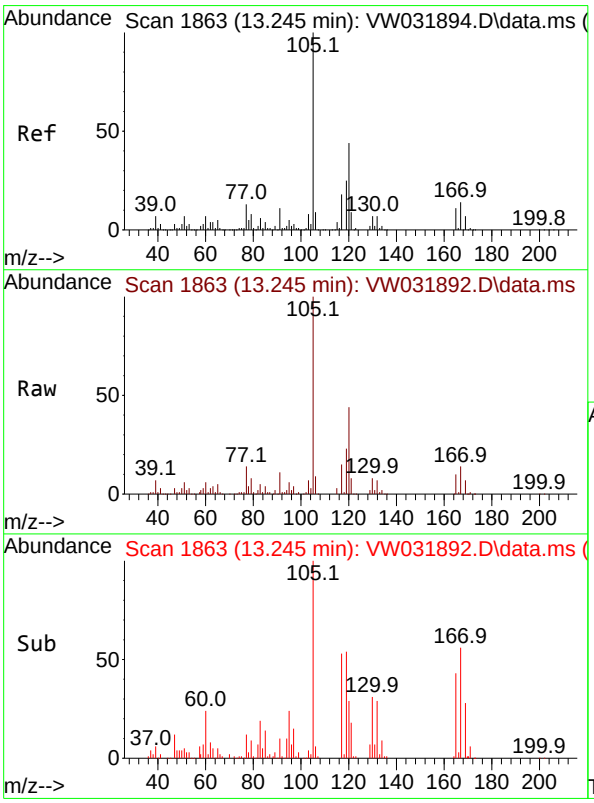
Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.5	106.5
134	24.5	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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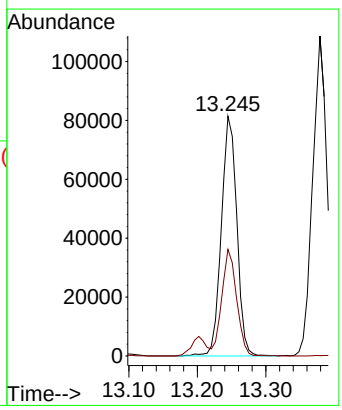
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

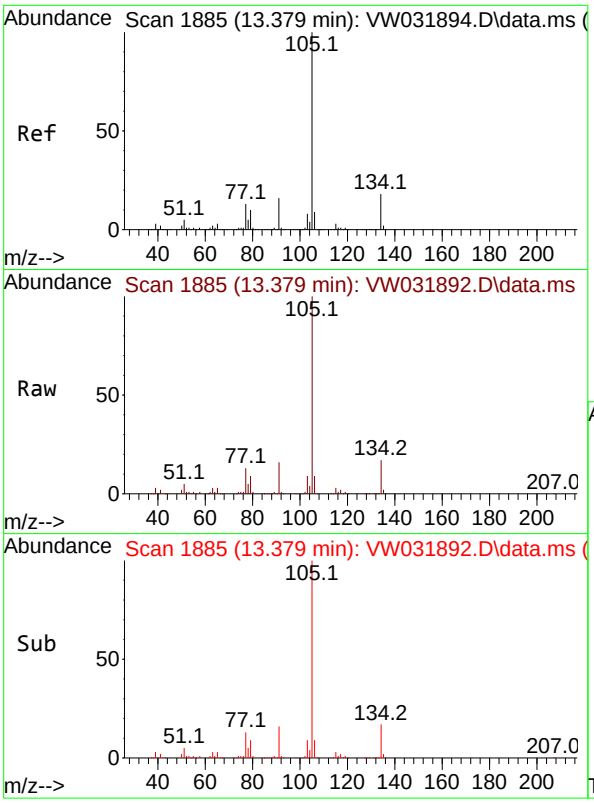


#84
1,2,4-Trimethylbenzene
Concen: 9.883 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 127309

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.3	63.9

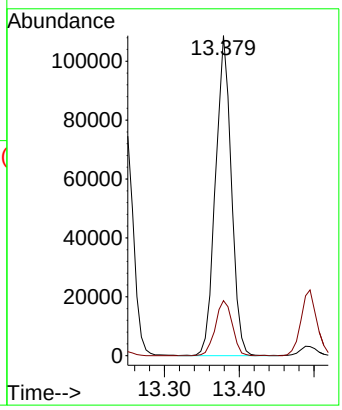




#85
sec-Butylbenzene
Concen: 9.861 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 16053

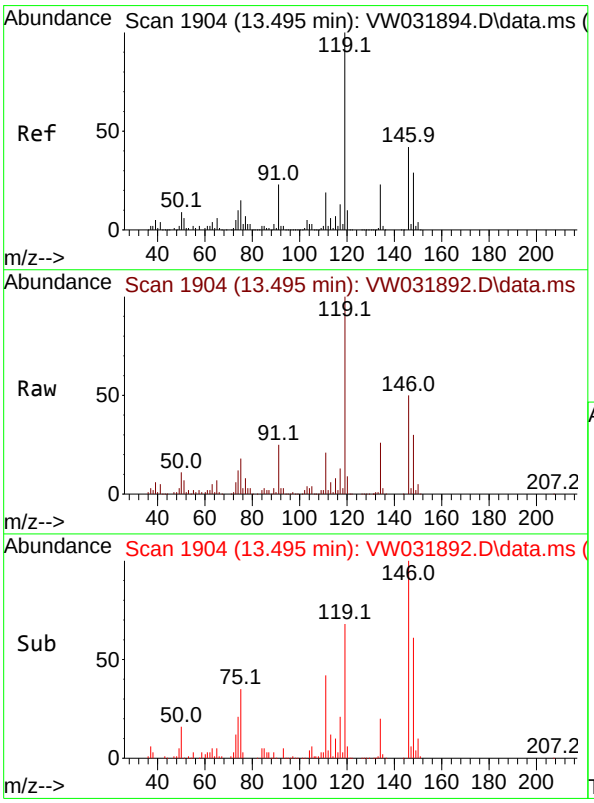
Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

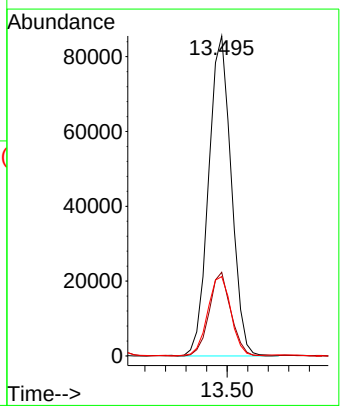
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

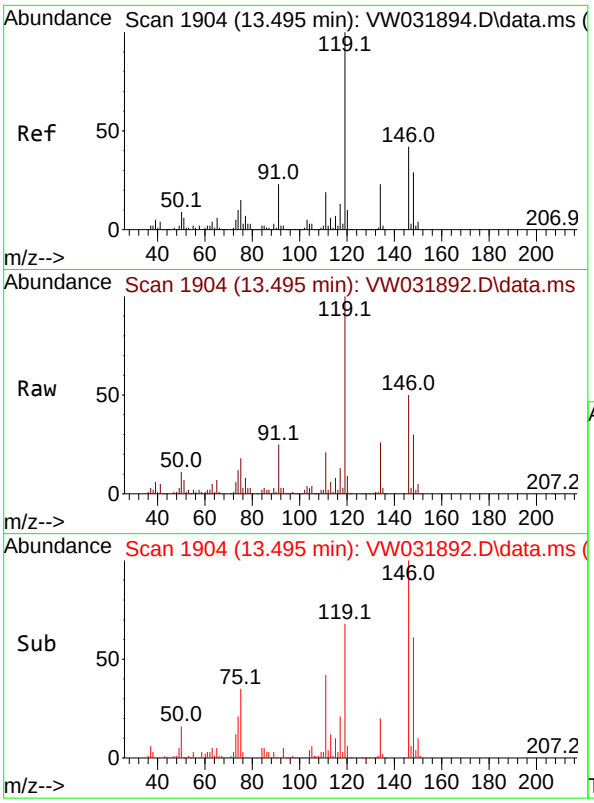


#86
p-Isopropyltoluene
Concen: 9.737 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:119 Resp: 131018

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	25.3	12.7	38.1

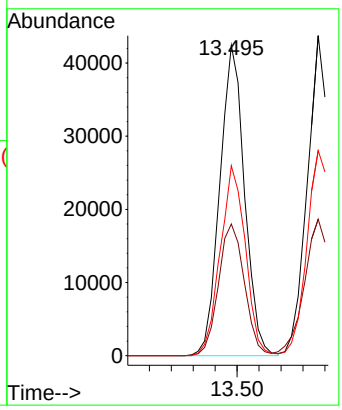




#87
1,3-Dichlorobenzene
Concen: 9.727 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:146 Resp: 6647

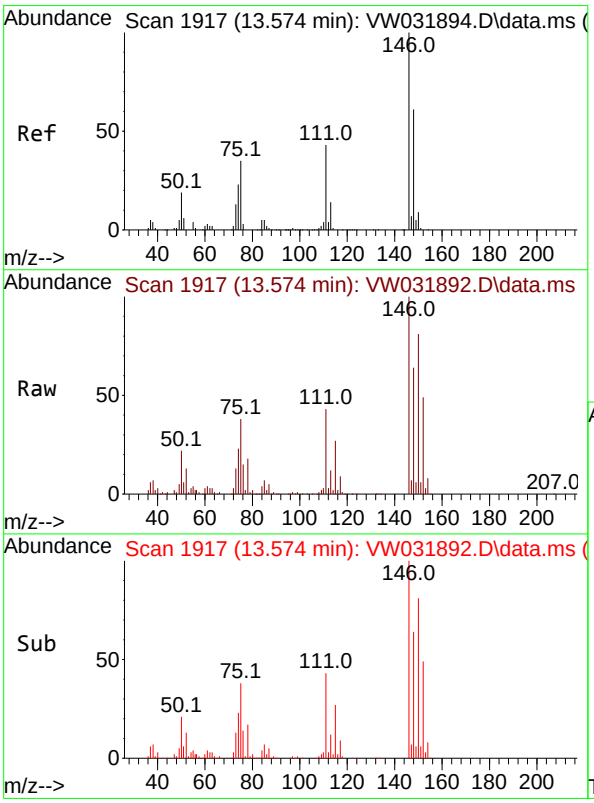
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.7
148	62.3	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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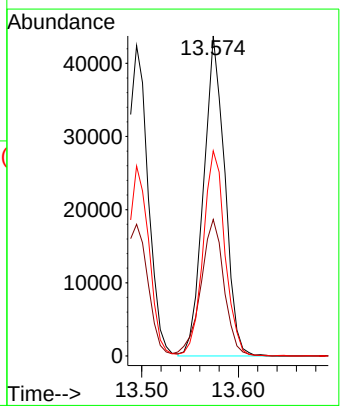
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

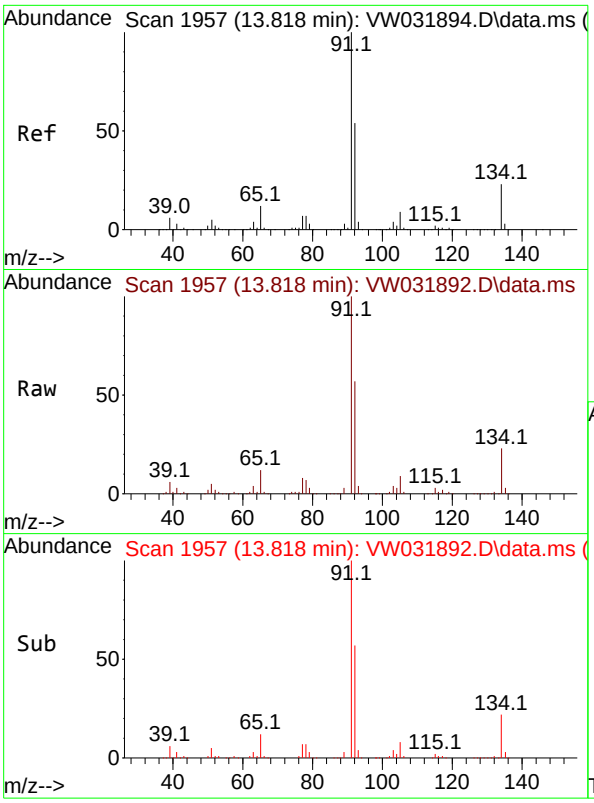


#88
1,4-Dichlorobenzene
Concen: 9.961 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:146 Resp: 66689

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.1	66.3
148	66.1	31.8	95.3

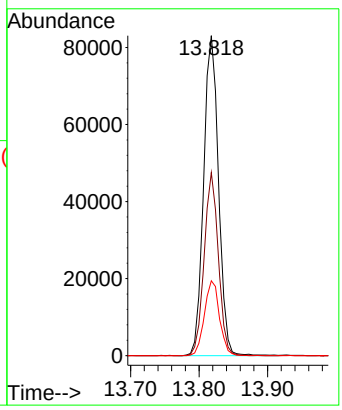




#89
n-Butylbenzene
Concen: 9.534 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 12584

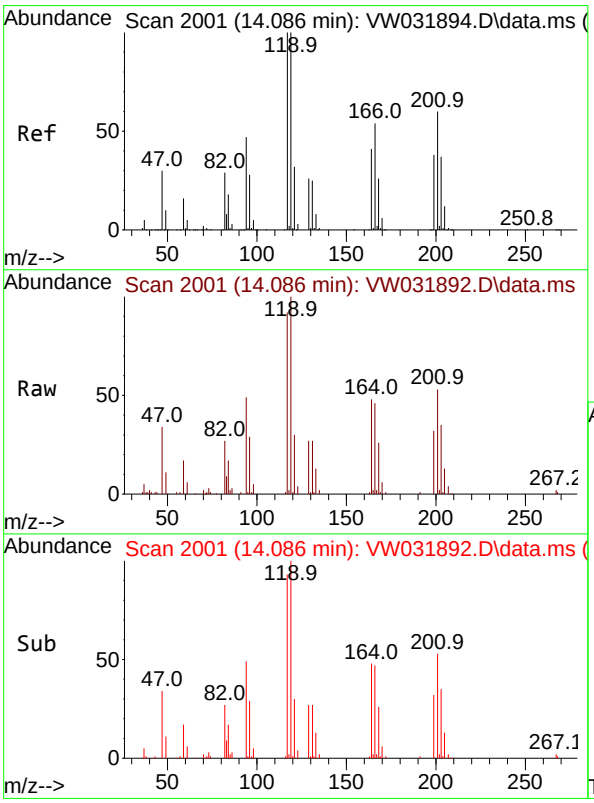
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	23.7	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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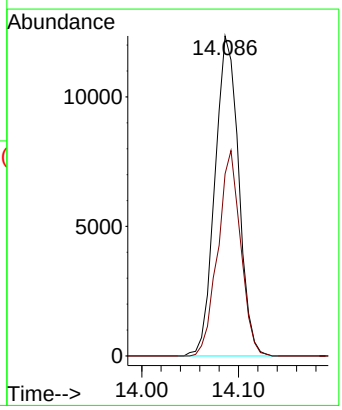
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

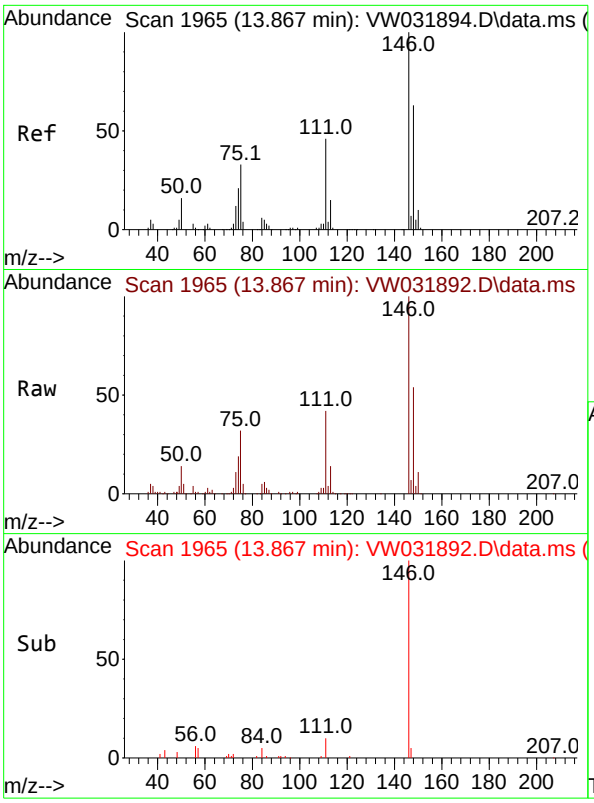


#90
Hexachloroethane
Concen: 9.026 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:117 Resp: 21002

Ion	Ratio	Lower	Upper
117	100		
201	61.7	28.4	85.2

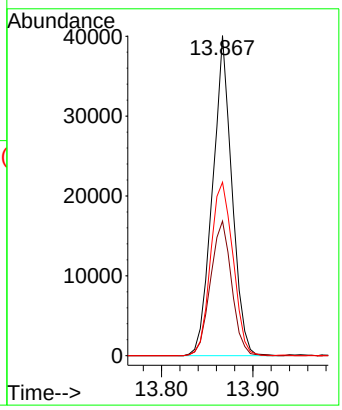




#91
1,2-Dichlorobenzene
Concen: 9.785 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:146 Resp: 5926

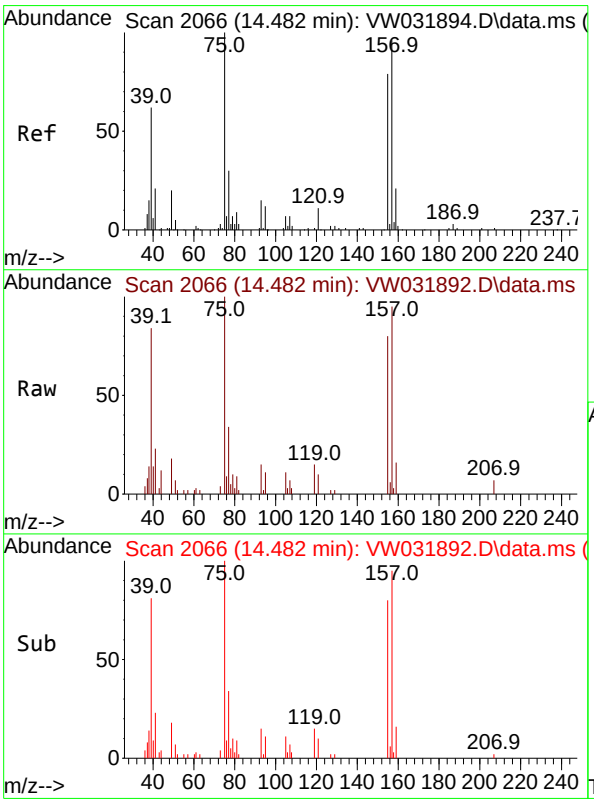
Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.6	71.0
148	62.5	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

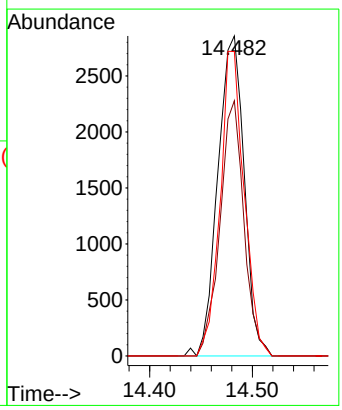
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

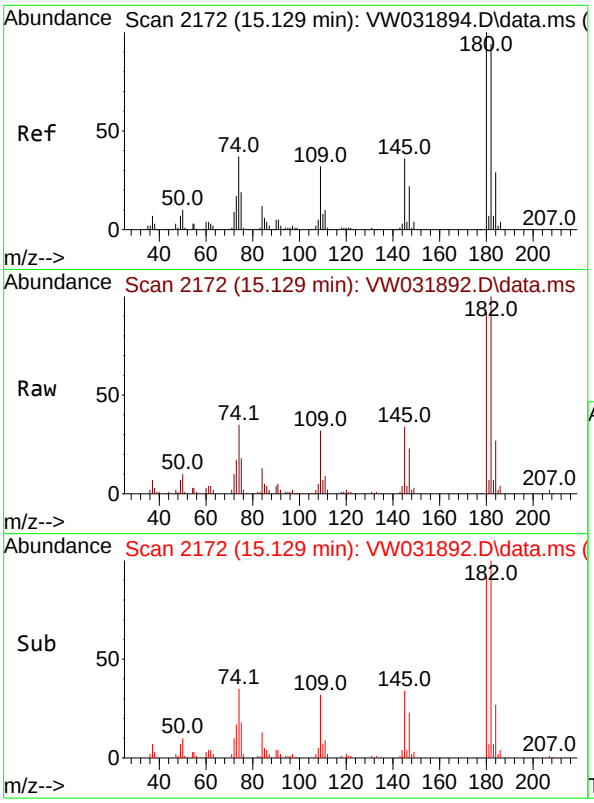


#92
1,2-Dibromo-3-Chloropropane
Concen: 8.716 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 5072

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	87.2	47.4	142.2





#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

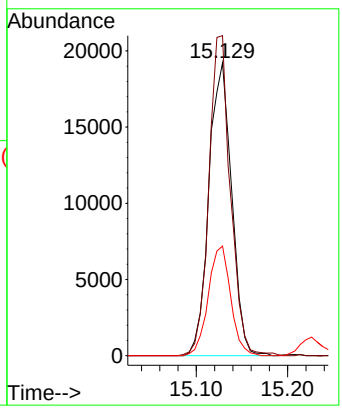
Tgt Ion:180 Resp: 3329

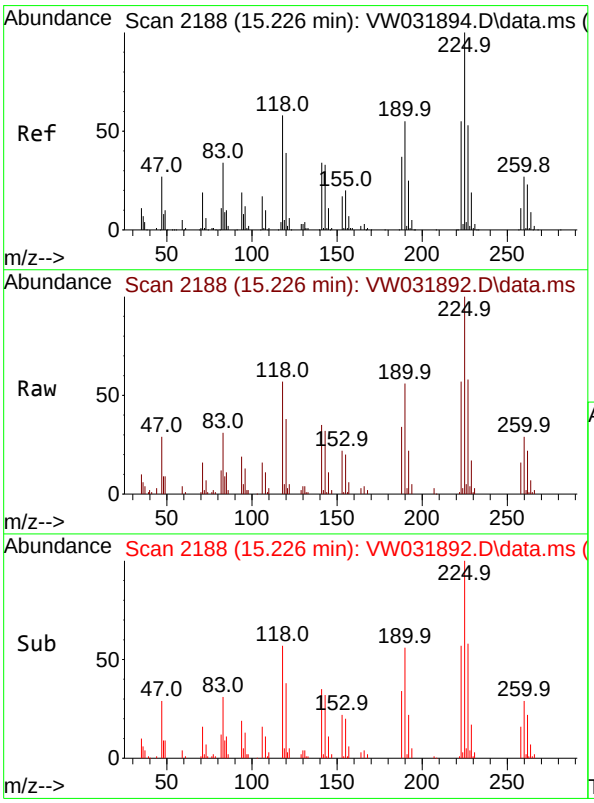
Ion	Ratio	Lower	Upper
180	100		
182	103.4	51.0	153.1
145	36.8	18.4	55.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

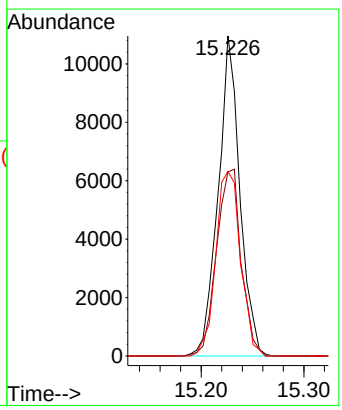


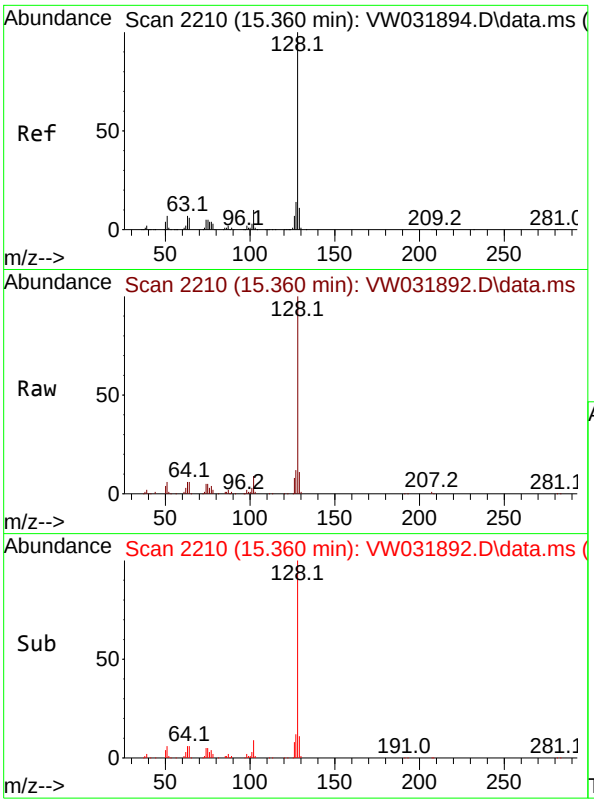


#94
Hexachlorobutadiene
Concen: 9.281 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:225 Resp: 16064

Ion	Ratio	Lower	Upper
225	100		
223	66.2	30.9	92.7
227	65.6	30.0	90.1

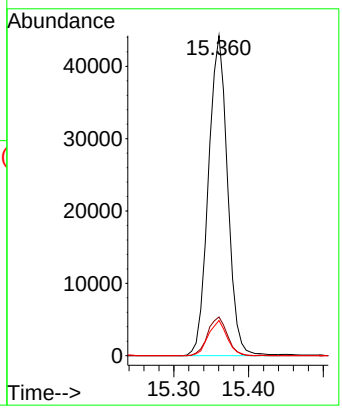




#95
Naphthalene
Concen: 8.792 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:128 Resp: 7895

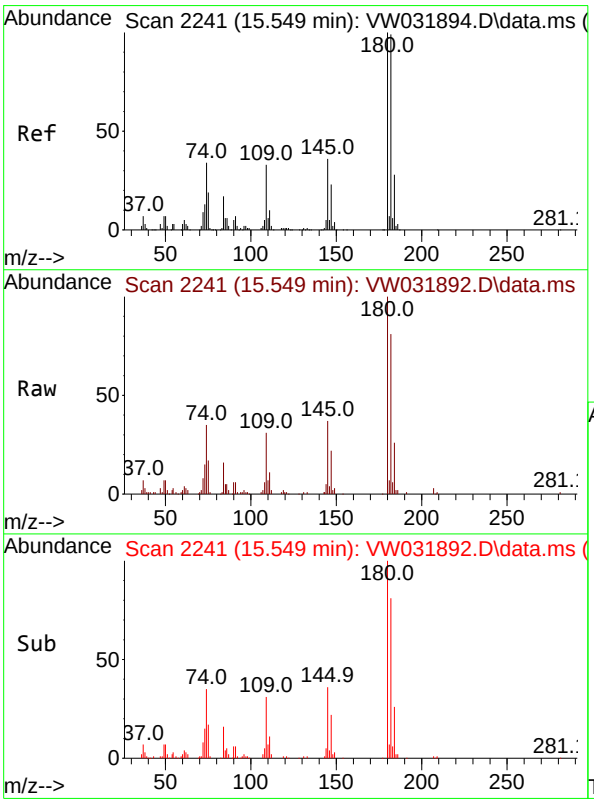
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.7	16.1
129	10.8	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

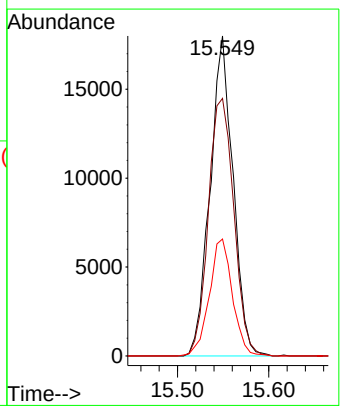
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.486 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:180 Resp: 31394

Ion	Ratio	Lower	Upper
180	100		
182	89.3	50.4	151.2
145	36.9	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	229449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	369653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71753	20.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.340%#		
35) Dibromofluoromethane	7.892	113	57971	20.372	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.740%#		
50) Toluene-d8	10.325	98	222244	20.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.617	95	86515	20.921	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	32547	19.086	ug/l	91
3) Chloromethane	2.253	50	42396	19.370	ug/l	99
4) Vinyl Chloride	2.405	62	56162	19.752	ug/l	95
5) Bromomethane	2.826	94	40732	19.454	ug/l	94
6) Chloroethane	2.972	64	36178	19.279	ug/l	98
7) Trichlorofluoromethane	3.302	101	52674	18.291	ug/l	97
8) Diethyl Ether	3.716	74	39501	20.534	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	53456	19.298	ug/l	98
10) Methyl Iodide	4.301	142	82715	19.972	ug/l	99
11) Tert butyl alcohol	5.222	59	21622	105.975	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59622	19.488	ug/l	97
13) Acrolein	3.930	56	34117	115.420	ug/l	99
14) Allyl chloride	4.704	41	94691	19.882	ug/l	99
15) Acrylonitrile	5.399	53	89035	103.525	ug/l	99
16) Acetone	4.161	43	85144	103.374	ug/l	96
17) Carbon Disulfide	4.417	76	156802	19.761	ug/l	100
18) Methyl Acetate	4.710	43	48524	21.384	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	110536	20.910	ug/l	94
20) Methylene Chloride	4.948	84	83480	20.998	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	63984	19.711	ug/l	97
22) Diisopropyl ether	6.332	45	193706	20.325	ug/l	94
23) Vinyl Acetate	6.283	43	629578	101.117	ug/l	98
24) 1,1-Dichloroethane	6.246	63	116889	19.699	ug/l	98
25) 2-Butanone	7.191	43	121949	108.213	ug/l	98
26) 2,2-Dichloropropane	7.185	77	63903	19.023	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	75384	19.753	ug/l	98
28) Bromochloromethane	7.526	49	50074	20.156	ug/l #	15
29) Tetrahydrofuran	7.551	42	78147	105.769	ug/l	99
30) Chloroform	7.691	83	125023	20.096	ug/l	97
31) Cyclohexane	7.965	56	98980	18.594	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	92496	19.538	ug/l	98
36) 1,1-Dichloropropene	8.093	75	87130	19.938	ug/l	100
37) Ethyl Acetate	7.277	43	50830	20.390	ug/l	100
38) Carbon Tetrachloride	8.081	117	84031	20.036	ug/l	99
39) Methylcyclohexane	9.337	83	106658	19.394	ug/l	97
40) Benzene	8.331	78	262100	20.261	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	29705	20.230	ug/l		92
42) 1,2-Dichloroethane	8.410	62	86447	20.880	ug/l		99
43) Isopropyl Acetate	8.435	43	93094	20.628	ug/l		99
44) Trichloroethene	9.099	130	59670	19.406	ug/l		91
45) 1,2-Dichloropropane	9.374	63	63028	20.231	ug/l		99
46) Dibromomethane	9.465	93	40434	20.937	ug/l		98
47) Bromodichloromethane	9.648	83	93907	20.278	ug/l		98
48) Methyl methacrylate	9.441	41	45551	21.215	ug/l		99
49) 1,4-Dioxane	9.465	88	7579	393.293	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.209	43	265574	107.527	ug/l		100
52) Toluene	10.392	92	168089	20.213	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	89603	20.170	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	100637	19.838	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	52531	20.477	ug/l		91
56) Ethyl methacrylate	10.648	69	74127	20.460	ug/l		99
57) 1,3-Dichloropropane	10.934	76	94430	20.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	191363	102.829	ug/l		100
59) 2-Hexanone	10.971	43	184643	107.552	ug/l		98
60) Dibromochloromethane	11.129	129	60033	20.071	ug/l		99
61) 1,2-Dibromoethane	11.233	107	53321	21.035	ug/l		96
64) Tetrachloroethene	10.867	164	49304	20.230	ug/l		93
65) Chlorobenzene	11.654	112	185932	20.552	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	58246	20.767	ug/l		97
67) Ethyl Benzene	11.727	91	320050	20.134	ug/l		100
68) m/p-Xylenes	11.837	106	245015	40.945	ug/l		97
69) o-Xylene	12.166	106	114484	20.216	ug/l		97
70) Styrene	12.178	104	198720	20.610	ug/l		99
71) Bromoform	12.349	173	30762	20.055	ug/l	#	97
73) Isopropylbenzene	12.459	105	294447	19.474	ug/l		100
74) N-amyl acetate	12.270	43	82784	20.253	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	67200	20.939	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	49056m	20.562	ug/l		
77) Bromobenzene	12.745	156	68424	20.916	ug/l		91
78) n-propylbenzene	12.800	91	367105	19.769	ug/l		100
79) 2-Chlorotoluene	12.891	91	221355	19.964	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	252317	19.898	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	20950	20.104	ug/l		96
82) 4-Chlorotoluene	12.983	91	230806	19.843	ug/l		100
83) tert-Butylbenzene	13.202	119	211034	19.537	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	254520	19.830	ug/l		98
85) sec-Butylbenzene	13.379	105	320882	19.782	ug/l		100
86) p-Isopropyltoluene	13.495	119	262000	19.541	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	140624	20.650	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	138374	20.743	ug/l		97
89) n-Butylbenzene	13.818	91	255308	19.411	ug/l		99
90) Hexachloroethane	14.086	117	45174	19.485	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	123056	20.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11802	20.355	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	72217	19.842	ug/l		93
94) Hexachlorobutadiene	15.226	225	33880	19.644	ug/l		98
95) Naphthalene	15.360	128	176597	19.736	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	63227	19.173	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

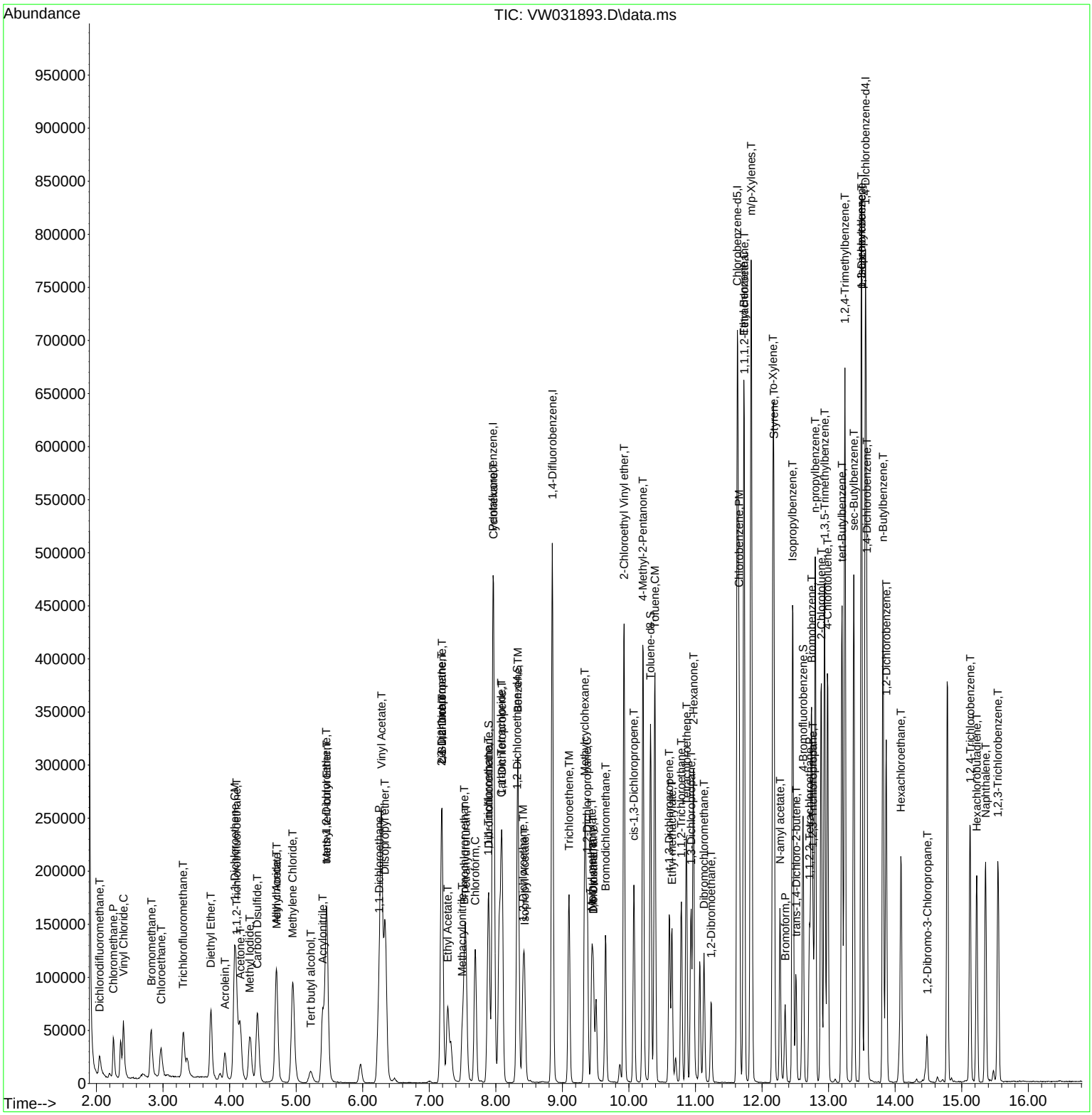
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

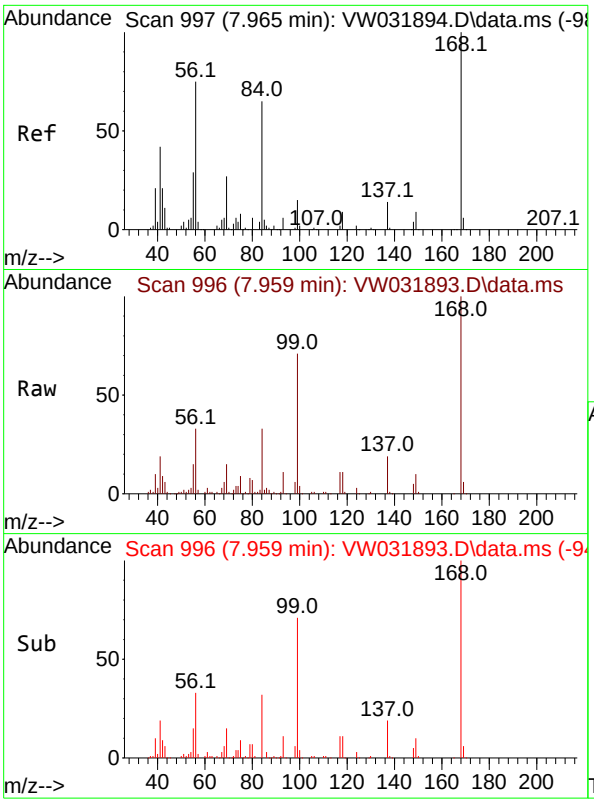
Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

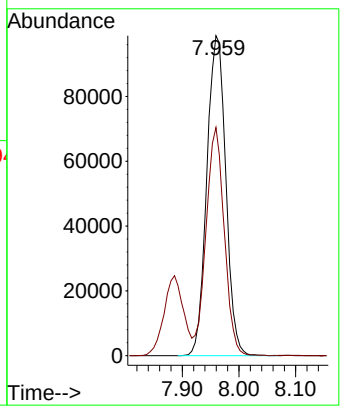




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:168 Resp: 22944

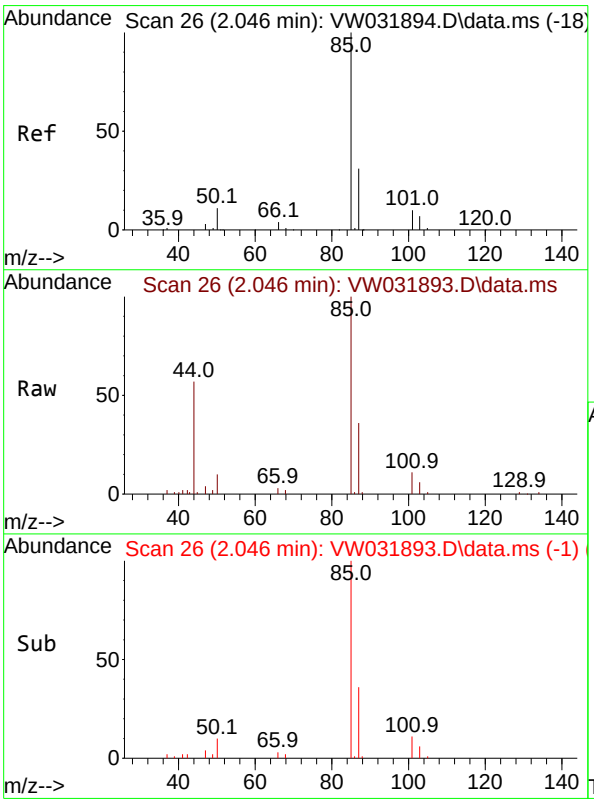
Ion	Ratio	Lower	Upper
168	100		
99	71.2	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

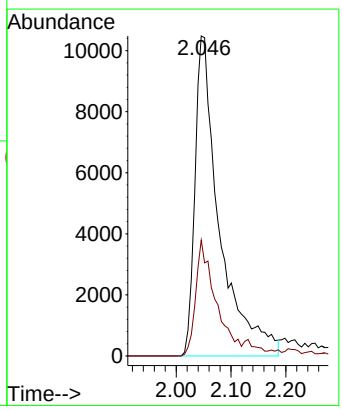
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

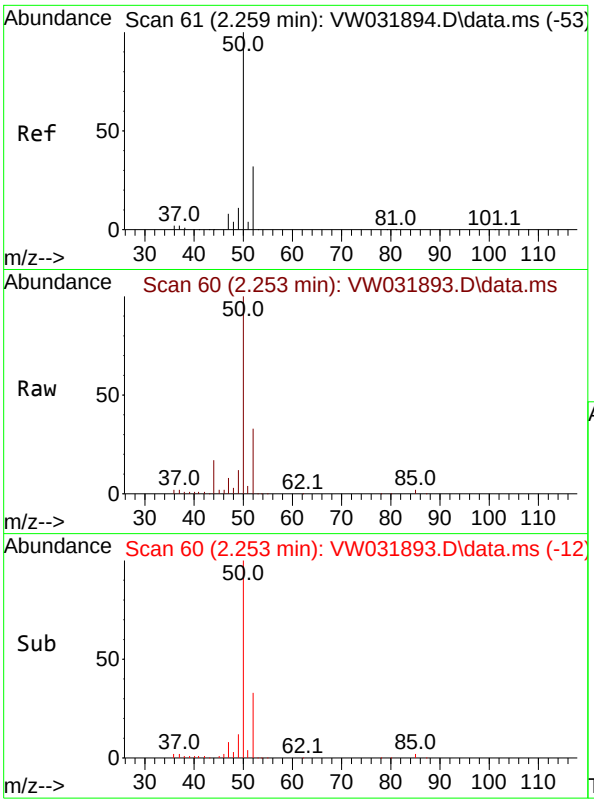


#2
Dichlorodifluoromethane
Concen: 19.086 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 85 Resp: 32547

Ion	Ratio	Lower	Upper
85	100		
87	36.2	15.5	46.5

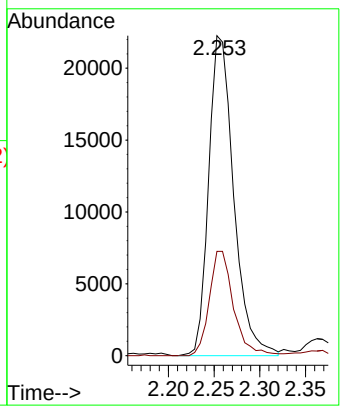




#3
Chloromethane
Concen: 19.370 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 50 Resp: 4239

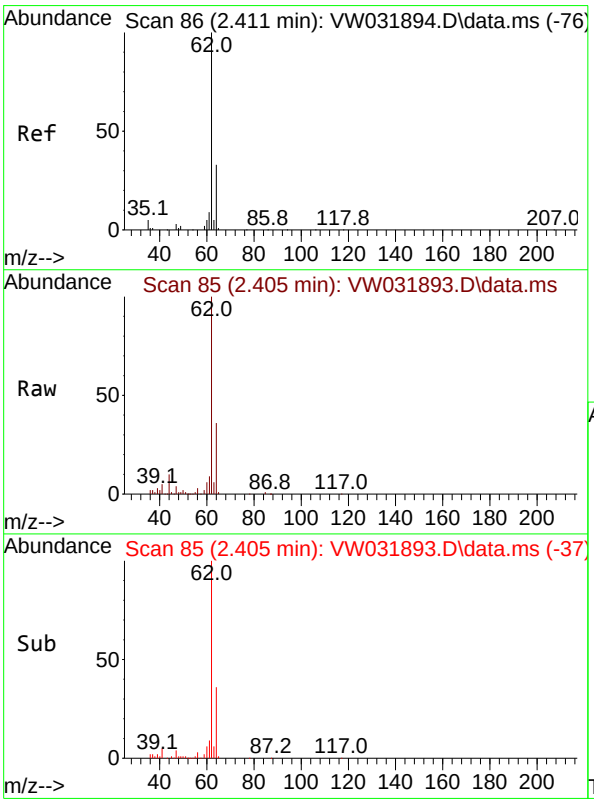
Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

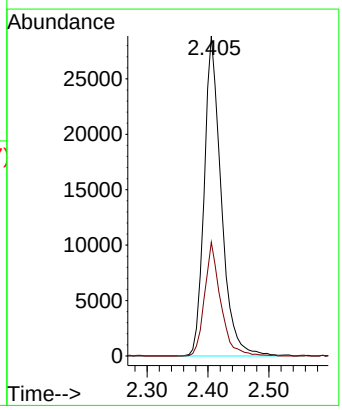
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

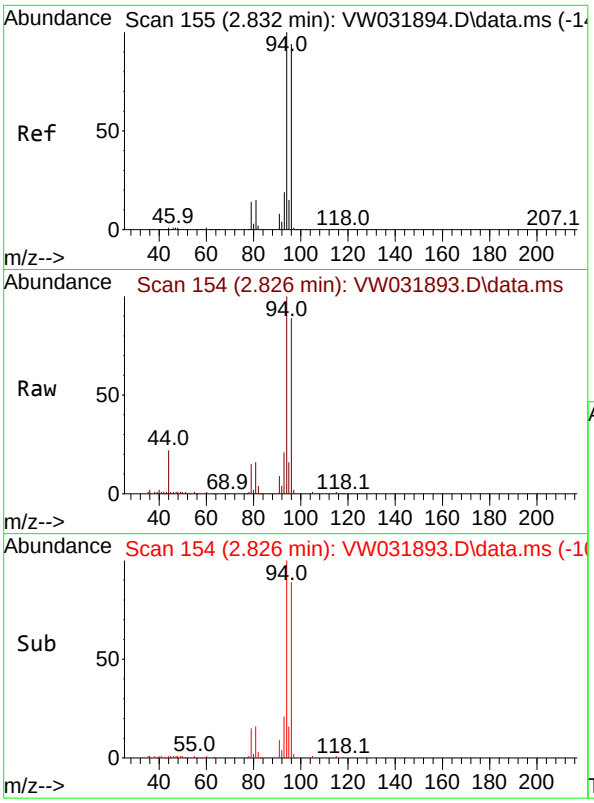


#4
Vinyl Chloride
Concen: 19.752 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 56162

Ion	Ratio	Lower	Upper
62	100		
64	35.5	26.2	39.2

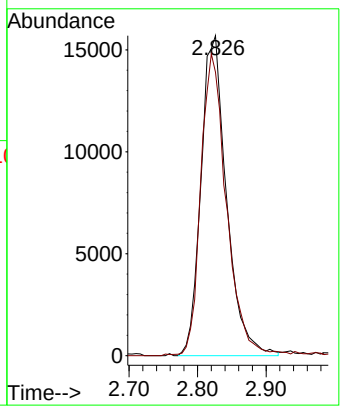




#5
Bromomethane
Concen: 19.454 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 94 Resp: 4073

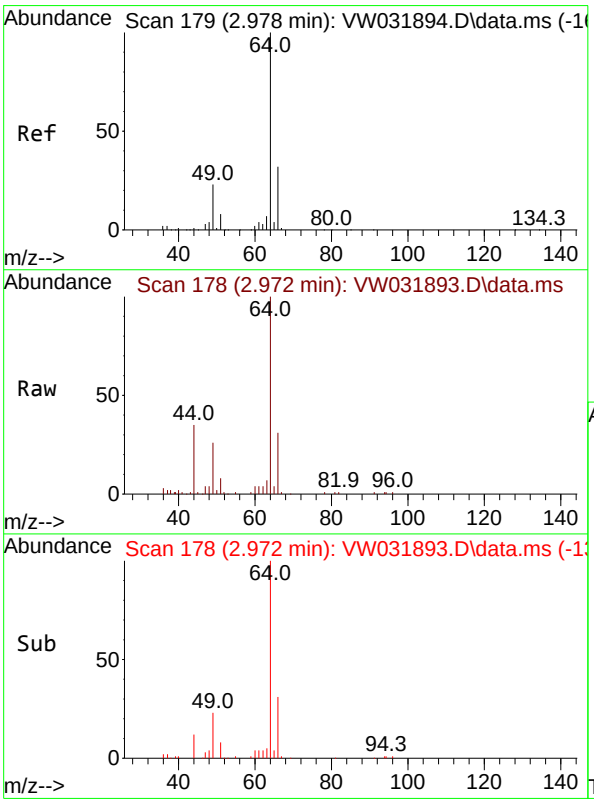
Ion	Ratio	Lower	Upper
94	100		
96	88.1	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

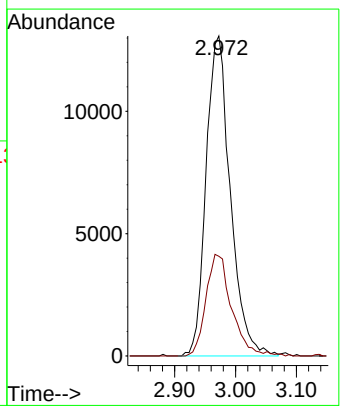
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

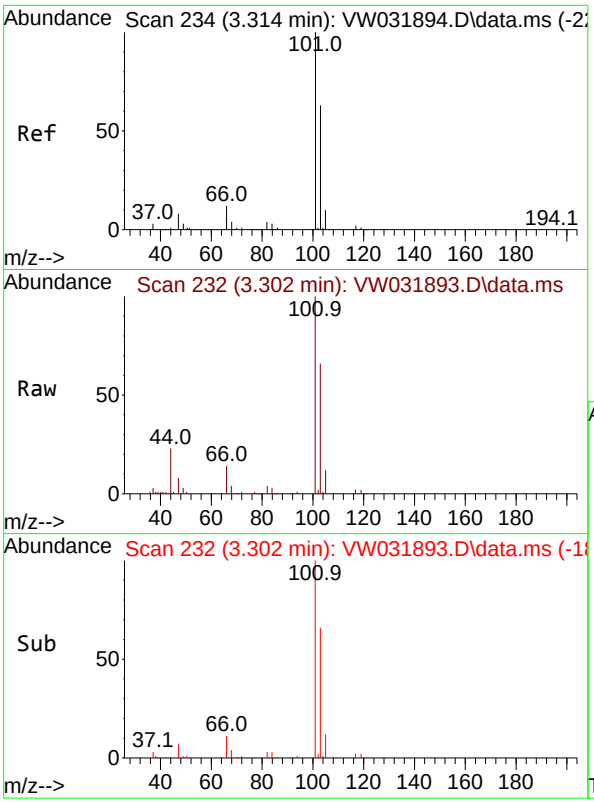


#6
Chloroethane
Concen: 19.279 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 64 Resp: 36178

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.6	38.4

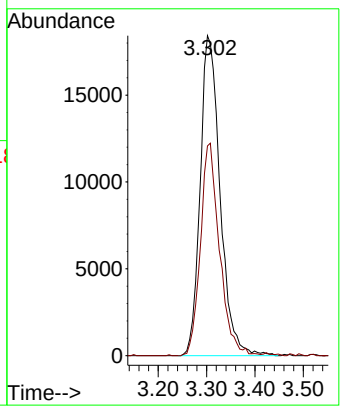




#7
Trichlorofluoromethane
Concen: 18.291 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:101 Resp: 5267

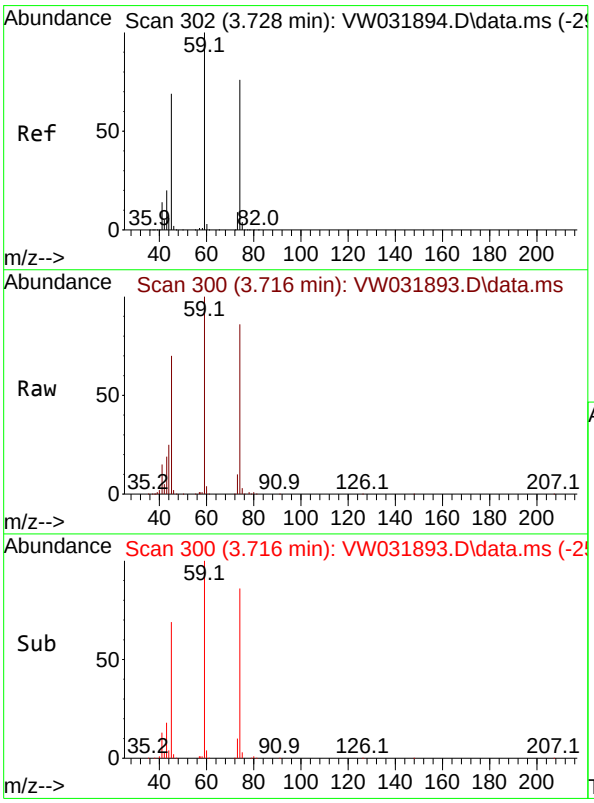
Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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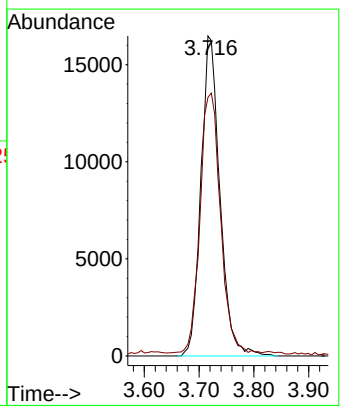
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

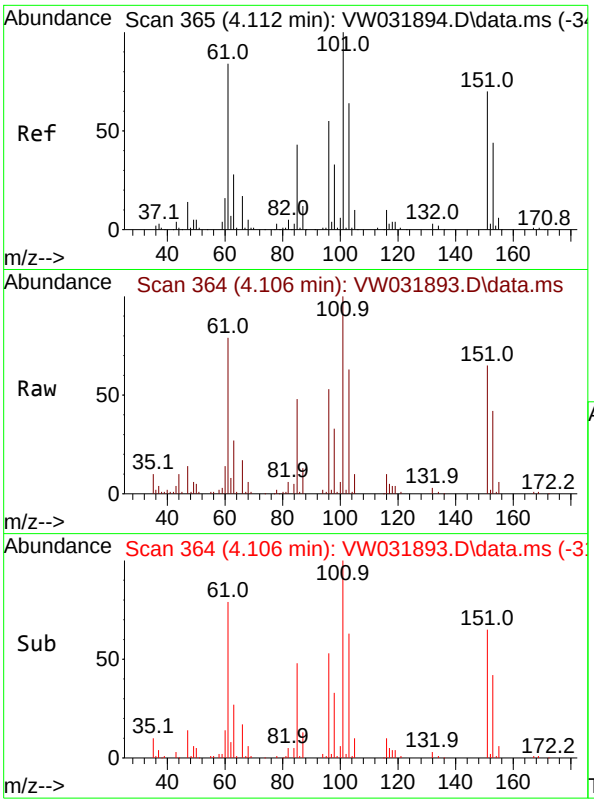


#8
Diethyl Ether
Concen: 20.534 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 74 Resp: 39501

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.5	136.5

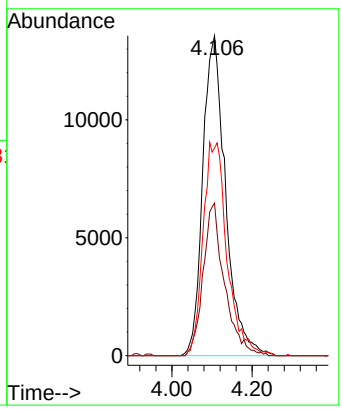




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.298 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:101 Resp: 5345

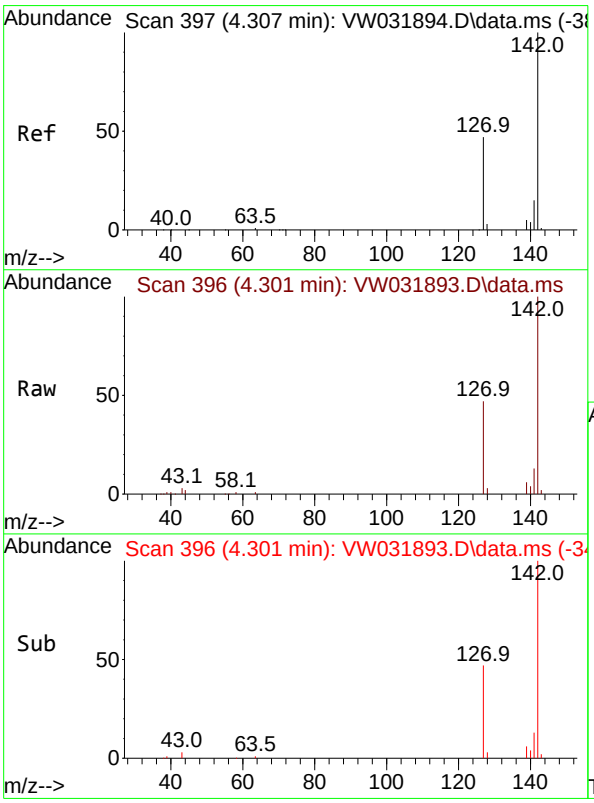
Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	70.2	54.6	81.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

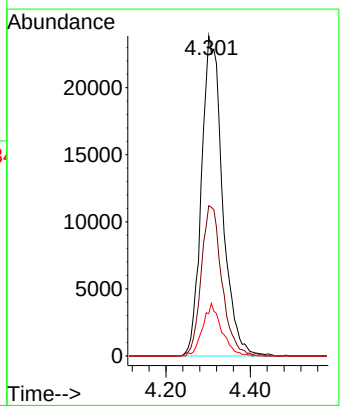
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

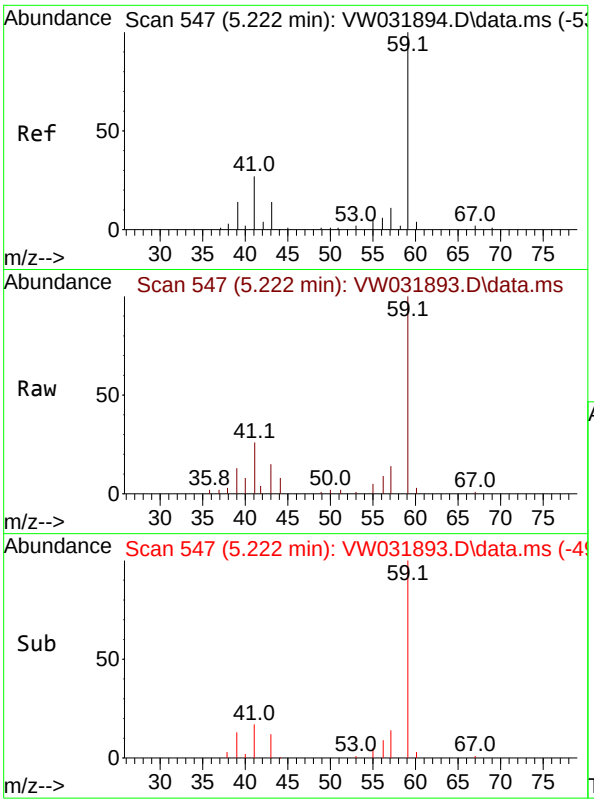


#10
Methyl Iodide
Concen: 19.972 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:142 Resp: 82715

Ion	Ratio	Lower	Upper
142	100		
127	46.2	37.4	56.2
141	14.8	11.9	17.9

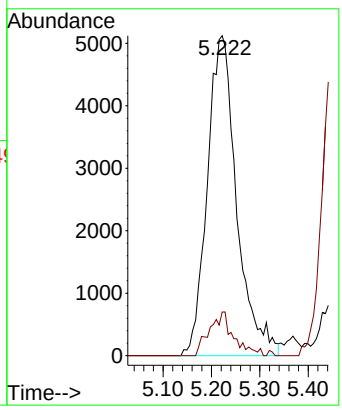




#11
Tert butyl alcohol
Concen: 105.975 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 59 Resp: 2162

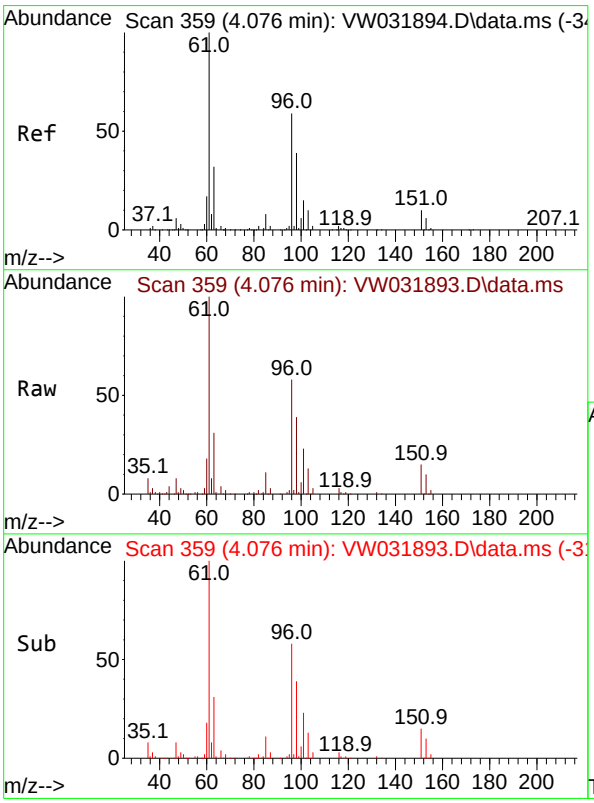
Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

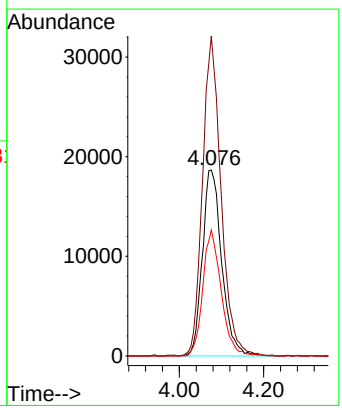
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

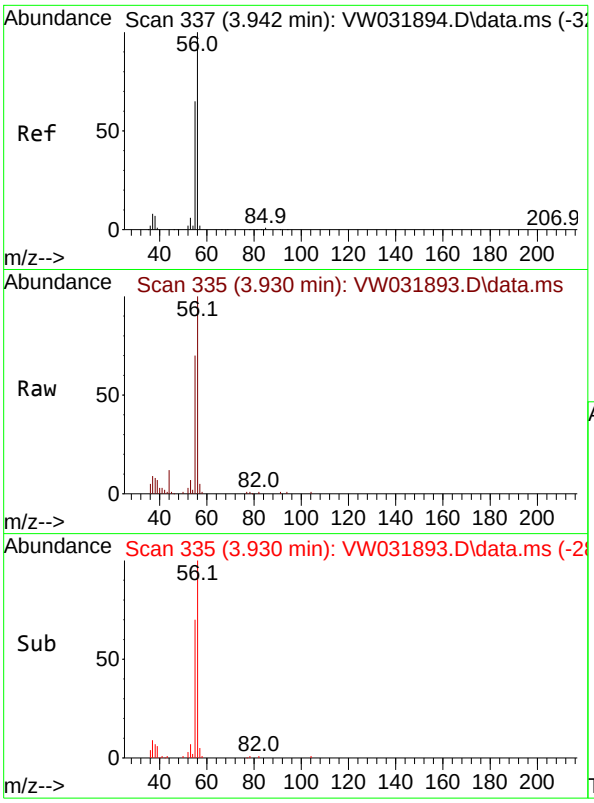


#12
1,1-Dichloroethene
Concen: 19.488 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 96 Resp: 59622

Ion	Ratio	Lower	Upper
96	100		
61	172.2	135.0	202.6
98	67.7	52.3	78.5

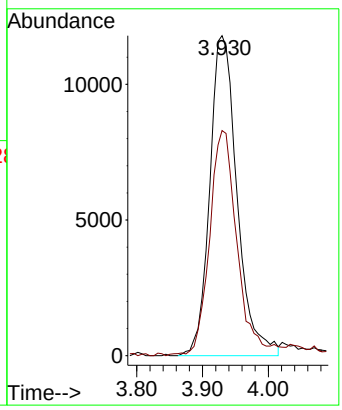




#13
Acrolein
Concen: 115.420 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 56 Resp: 3411

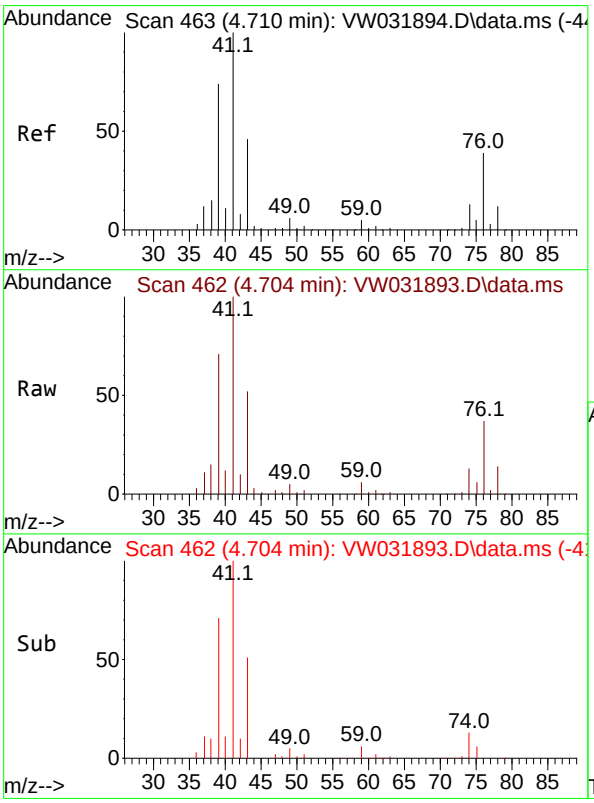
Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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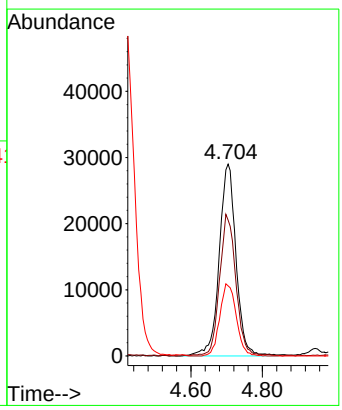
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

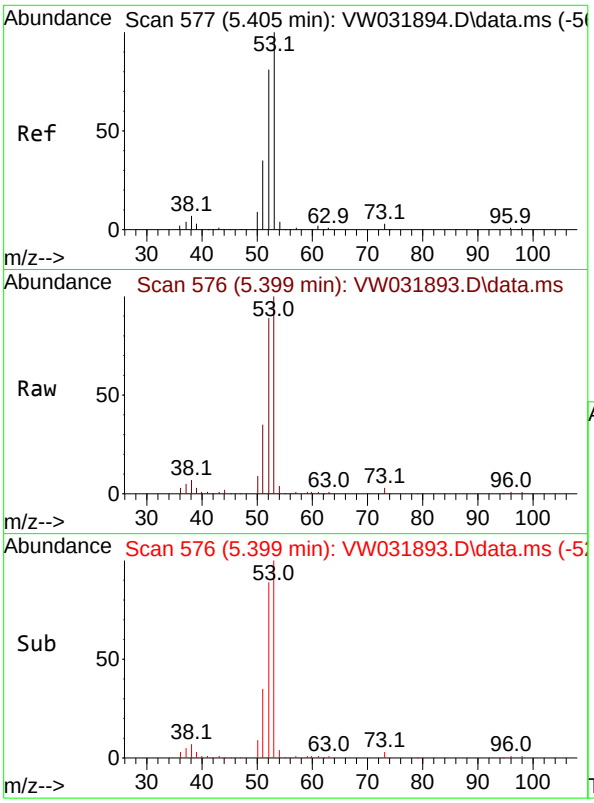


#14
Allyl chloride
Concen: 19.882 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 94691

Ion	Ratio	Lower	Upper
41	100		
39	71.5	56.6	85.0
76	36.8	30.1	45.1





#15
Acrylonitrile
Concen: 103.525 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

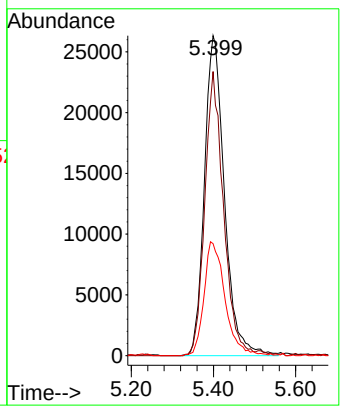
Tgt Ion: 53 Resp: 8903

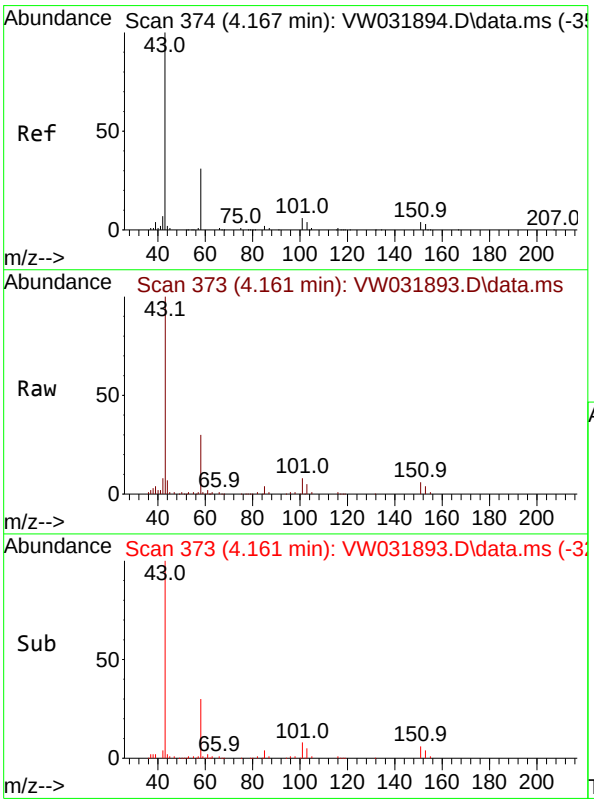
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.0	100.4
51	37.5	29.9	44.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

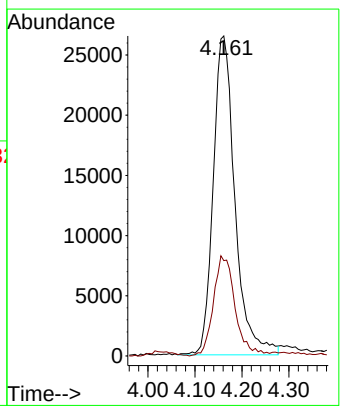


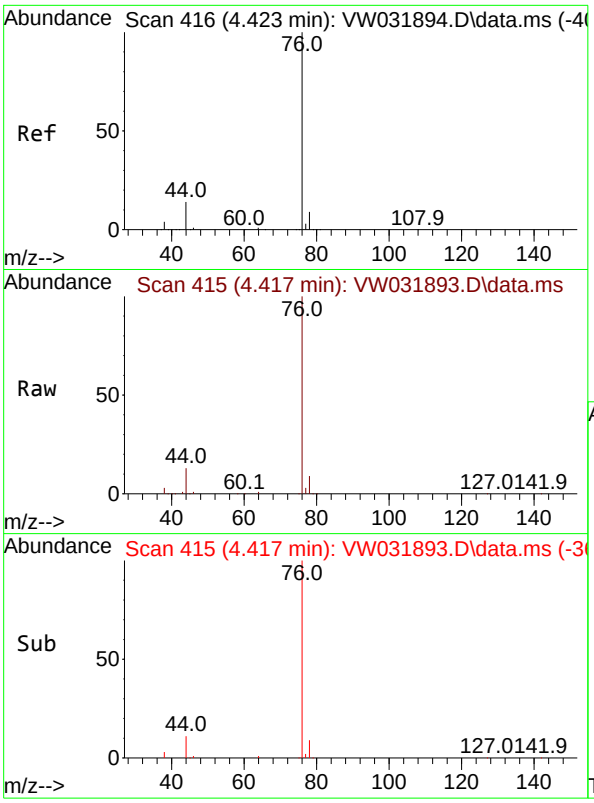


#16
Acetone
Concen: 103.374 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 85144

Ion	Ratio	Lower	Upper
43	100		
58	29.4	25.5	38.3





#17
Carbon Disulfide
Concen: 19.761 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

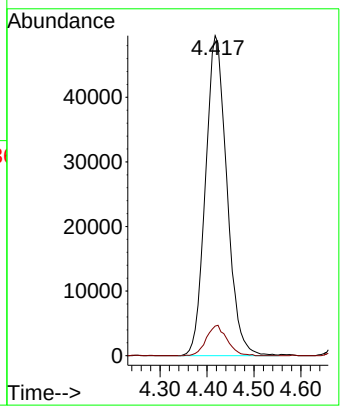
Tgt Ion: 76 Resp: 15680

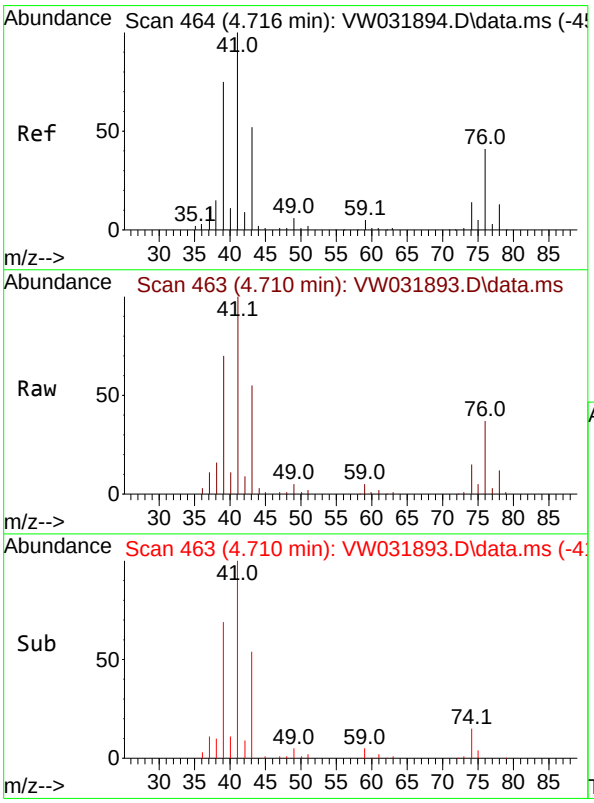
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

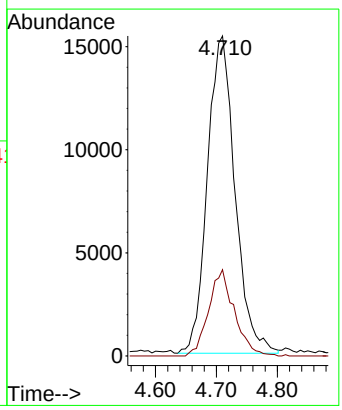


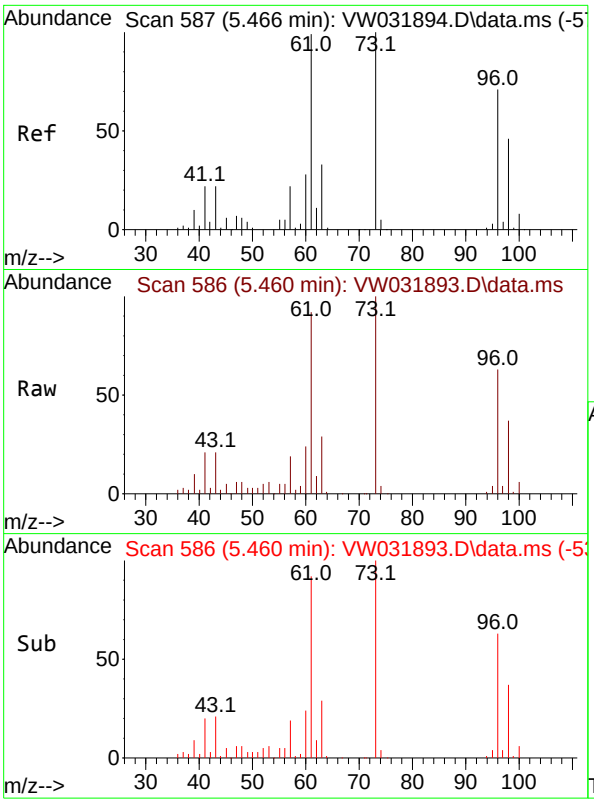


#18
Methyl Acetate
Concen: 21.384 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 48524

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.6	31.0

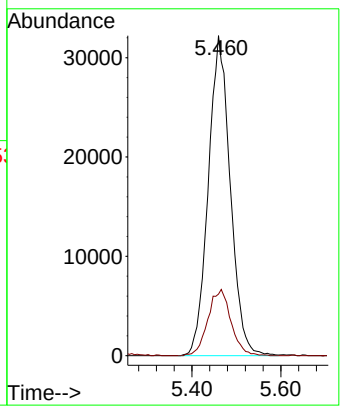




#19
Methyl tert-butyl Ether
Concen: 20.910 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 73 Resp: 11053

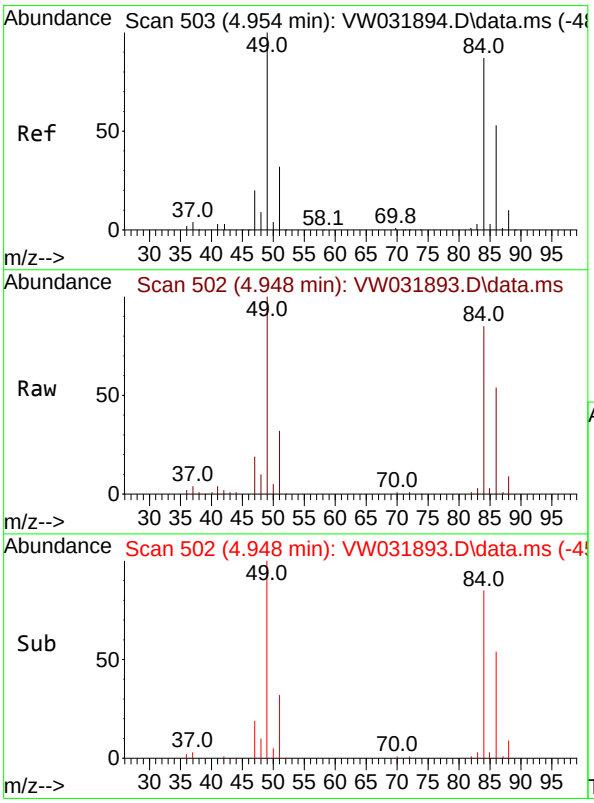
Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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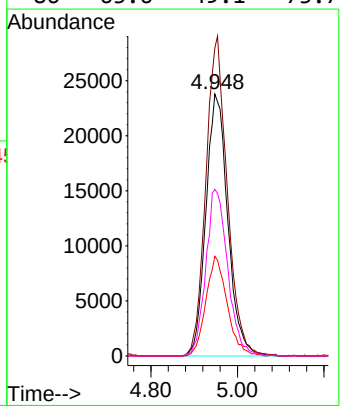
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

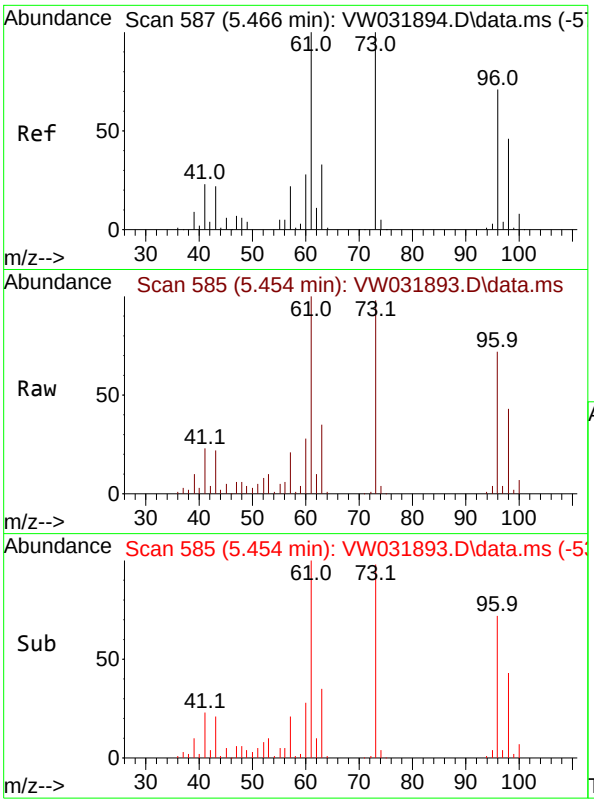


#20
Methylene Chloride
Concen: 20.998 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 84 Resp: 83480

Ion	Ratio	Lower	Upper
84	100		
49	117.6	91.9	137.9
51	38.1	29.0	43.6
86	63.6	49.1	73.7

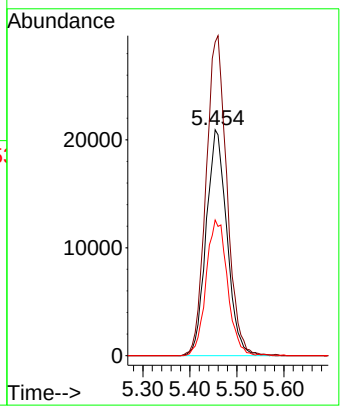




#21
trans-1,2-Dichloroethene
Concen: 19.711 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 96 Resp: 6398

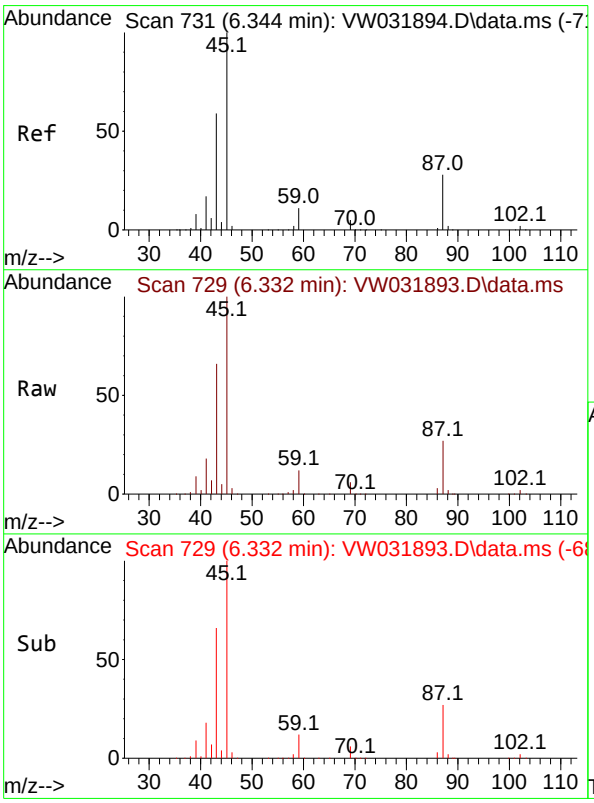
Ion	Ratio	Lower	Upper
96	100		
61	138.8	112.8	169.2
98	60.1	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

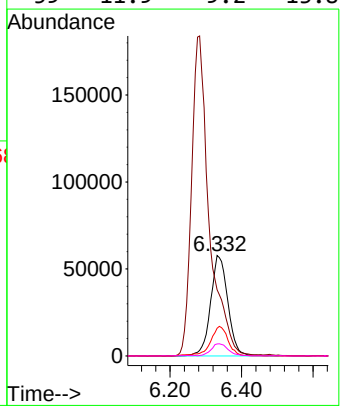
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

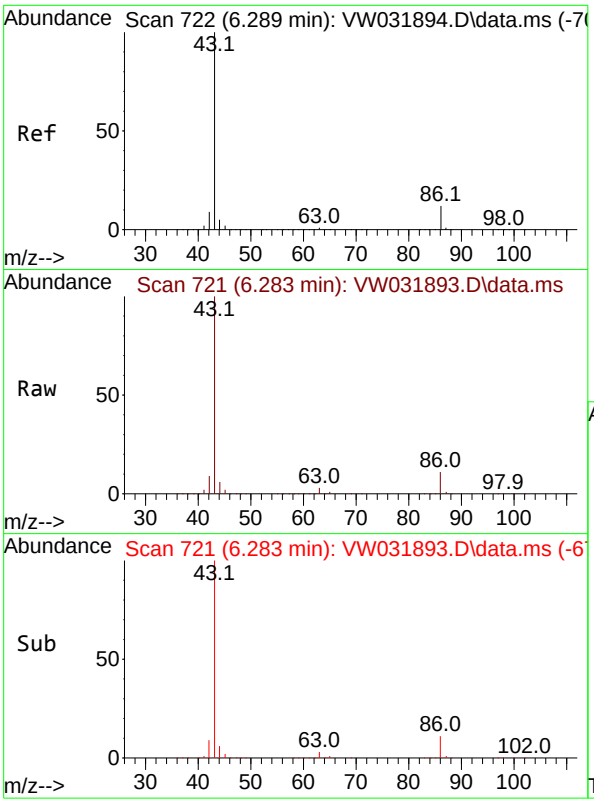


#22
Diisopropyl ether
Concen: 20.325 ug/l
RT: 6.332 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 45 Resp: 193706

Ion	Ratio	Lower	Upper
45	100		
43	65.1	47.0	70.6
87	27.5	22.8	34.2
59	11.9	9.2	13.8





#23
Vinyl Acetate
Concen: 101.117 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

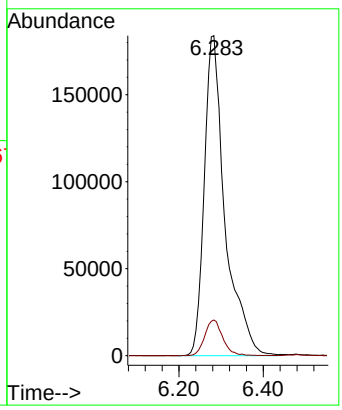
Tgt Ion: 43 Resp: 62957

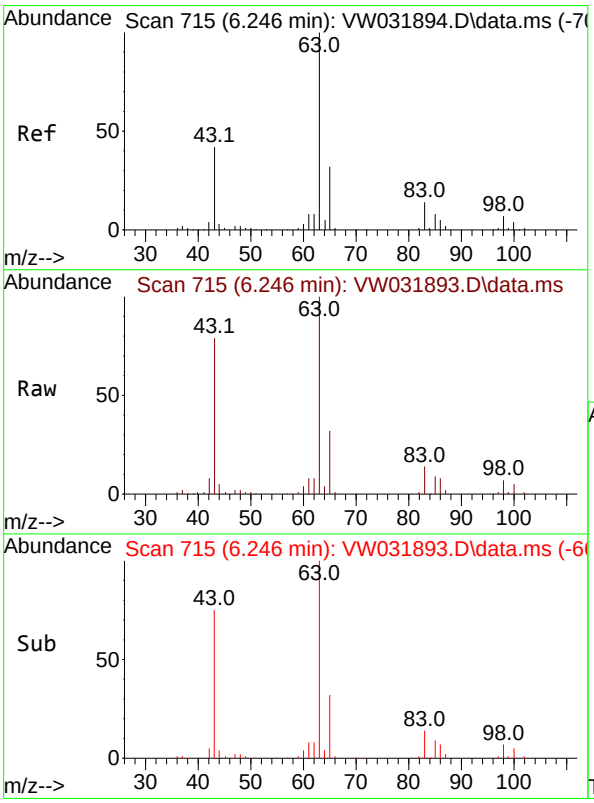
Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

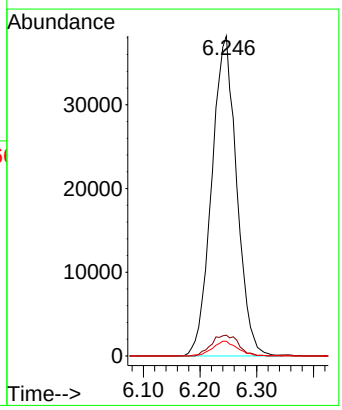


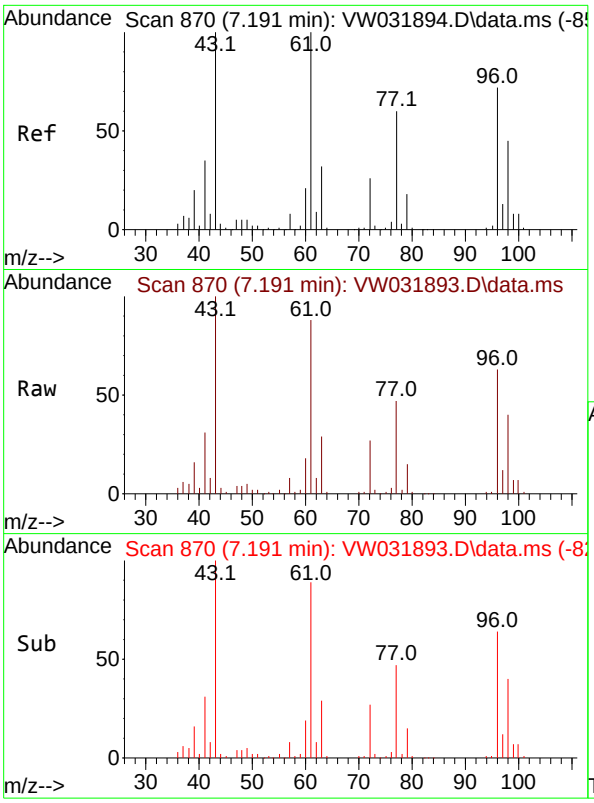


#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 63 Resp: 116889

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.9
100	4.6	2.2	6.6

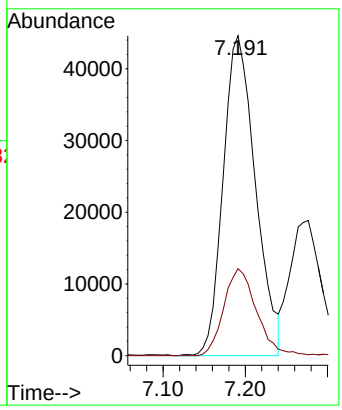




#25
2-Butanone
Concen: 108.213 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 12194

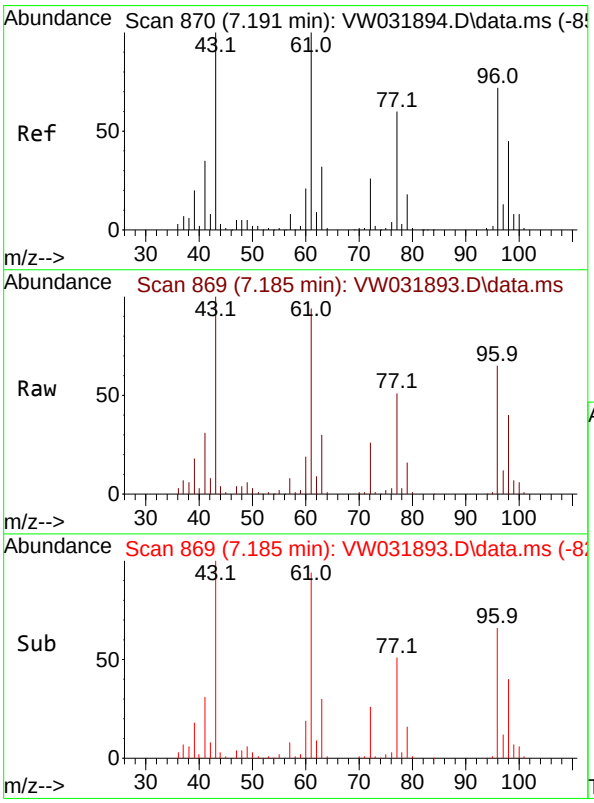
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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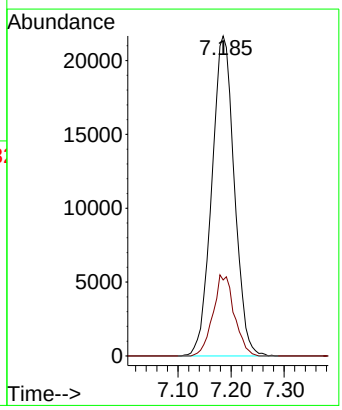
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

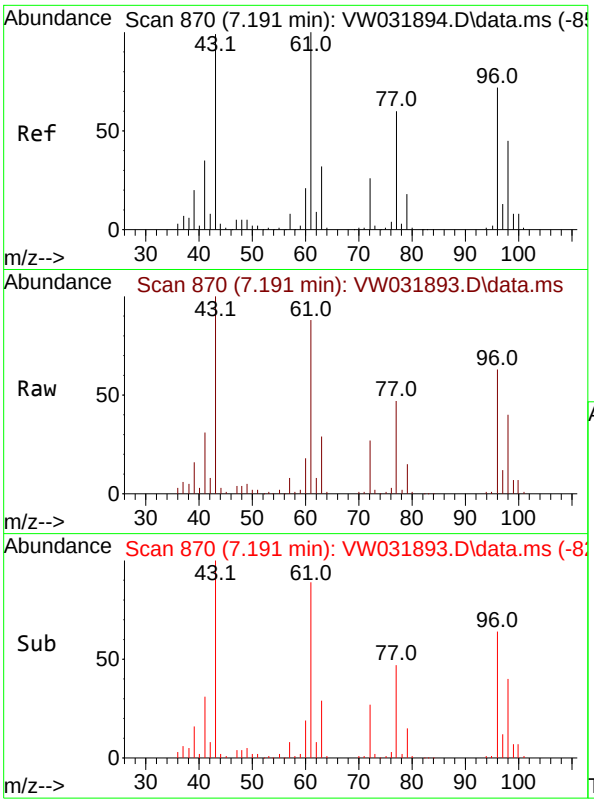


#26
2,2-Dichloropropane
Concen: 19.023 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 77 Resp: 63903

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

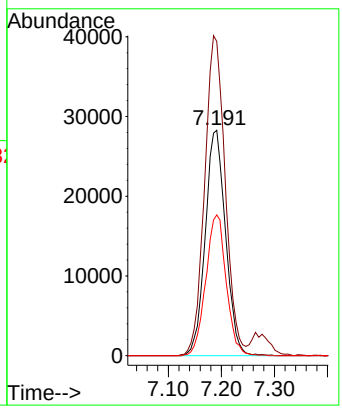
Tgt Ion: 96 Resp: 7538

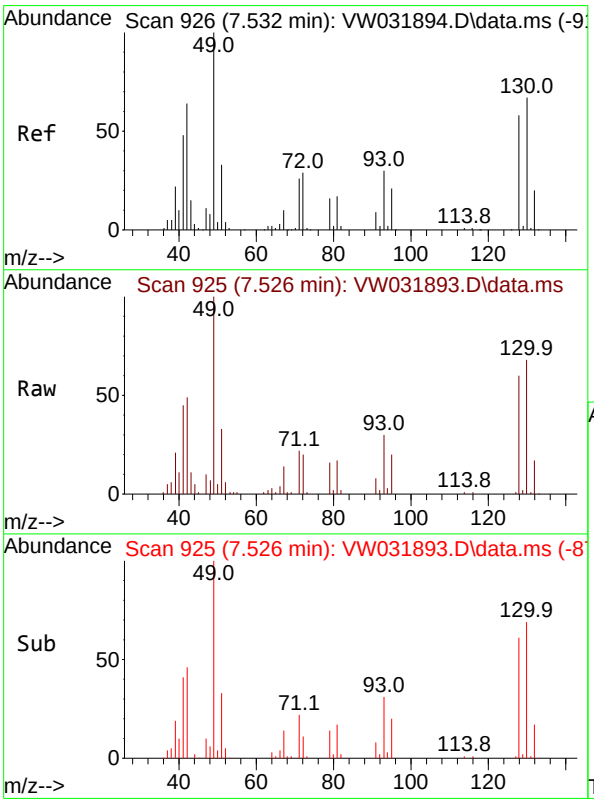
Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	280.2
98	62.8	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

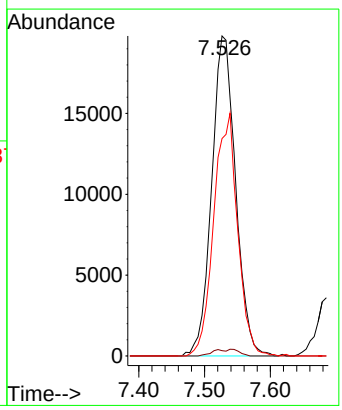


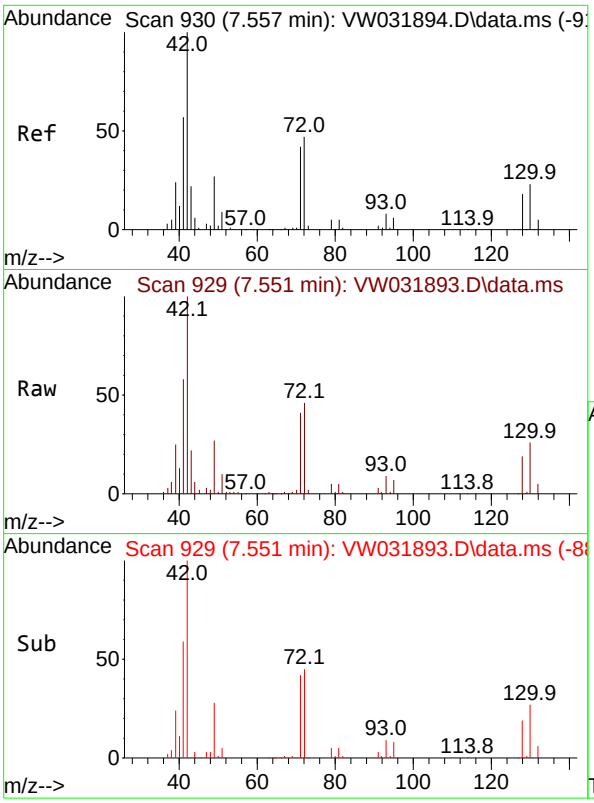


#28
Bromochloromethane
Concen: 20.156 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 49 Resp: 50074

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	0.0	59.0	88.4#

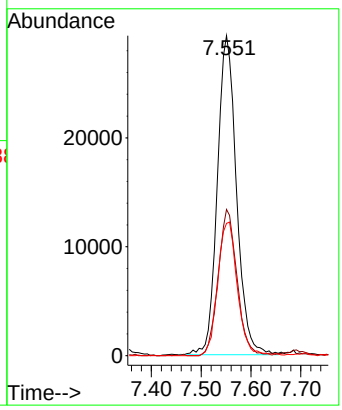




#29
Tetrahydrofuran
Concen: 105.769 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 42 Resp: 7814

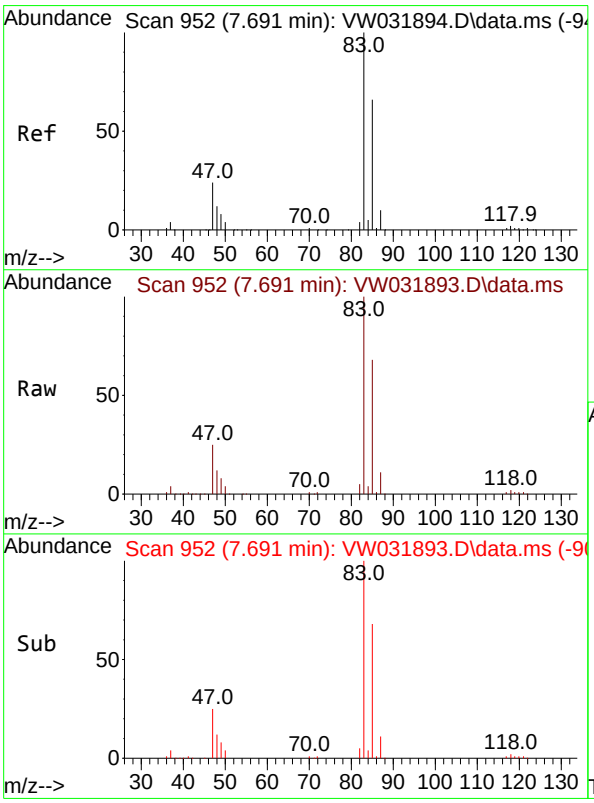
Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.0	55.6
71	42.9	34.5	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

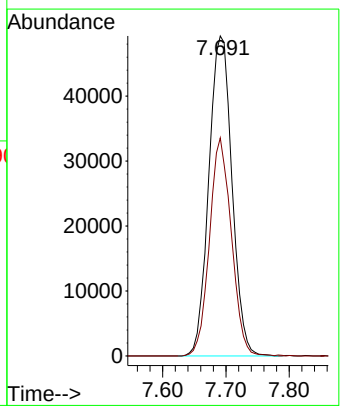
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

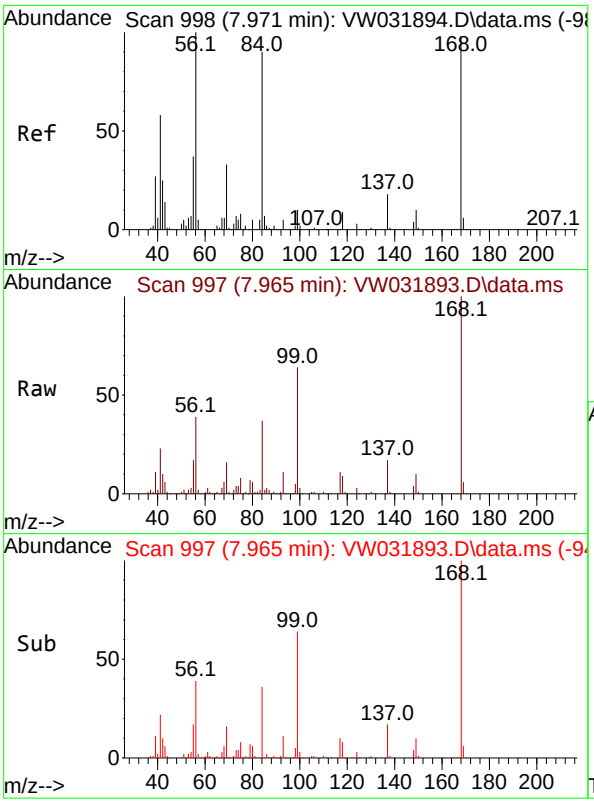


#30
Chloroform
Concen: 20.096 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 83 Resp: 125023

Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.6	78.8

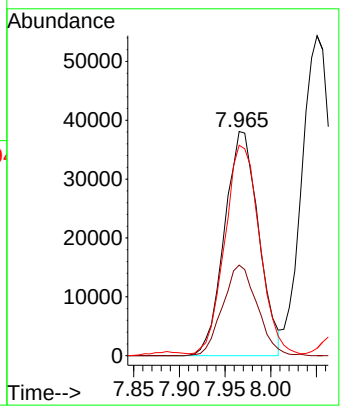




#31
Cyclohexane
Concen: 18.594 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 56 Resp: 9898

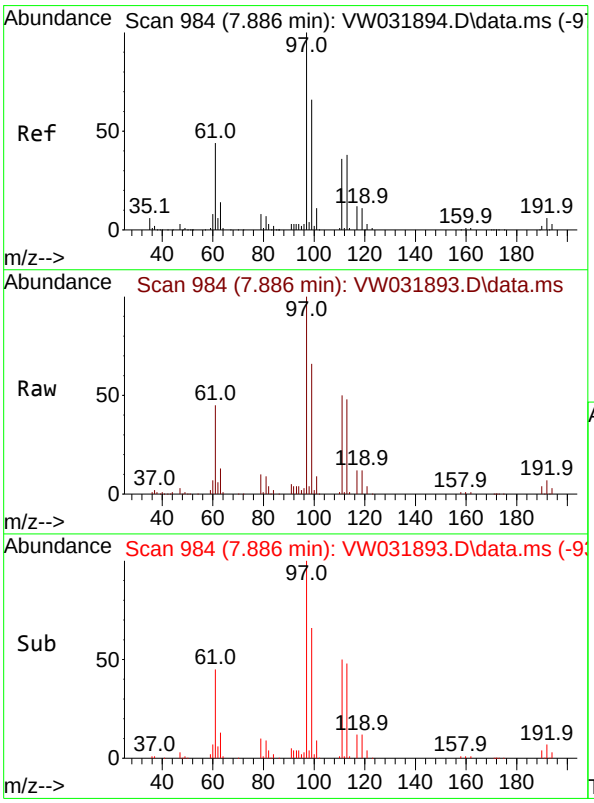
Ion	Ratio	Lower	Upper
56	100		
69	40.4	26.7	40.1
84	92.6	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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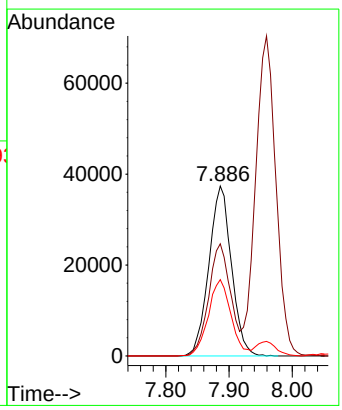
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

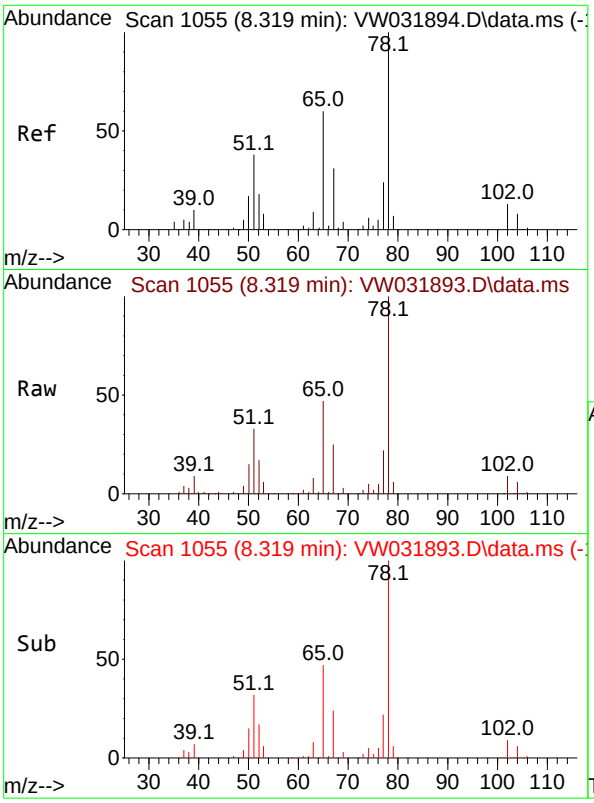


#32
1,1,1-Trichloroethane
Concen: 19.538 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 97 Resp: 92496

Ion	Ratio	Lower	Upper
97	100		
99	63.9	53.0	79.4
61	45.4	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 20.672 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

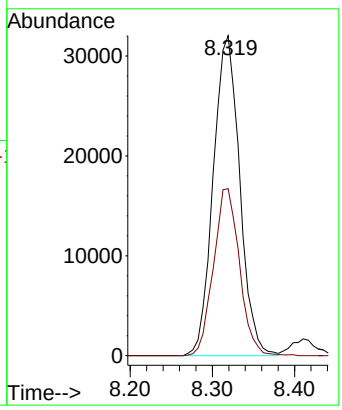
Tgt Ion: 65 Resp: 7175

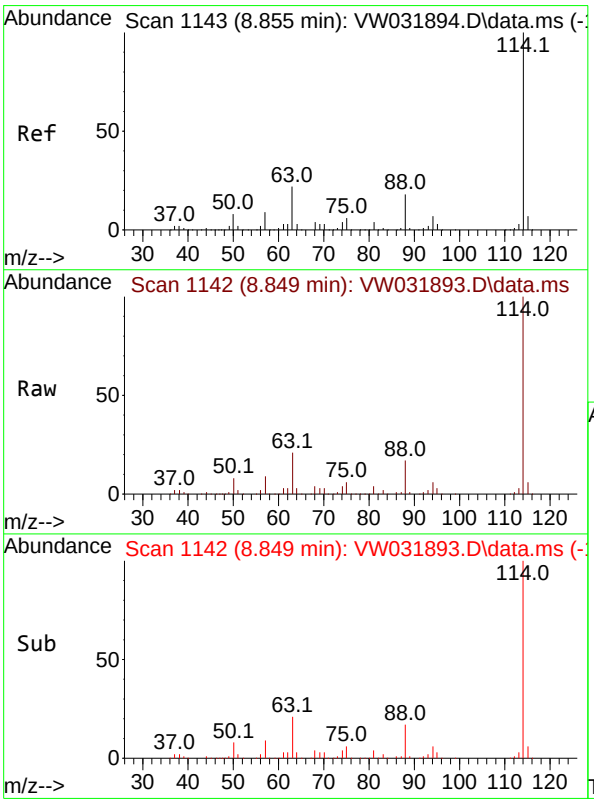
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

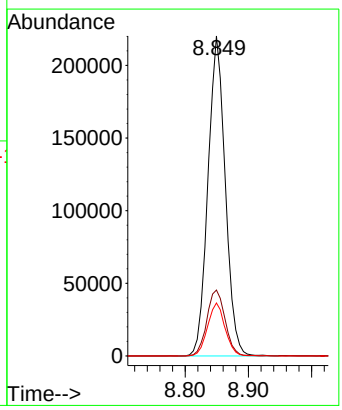


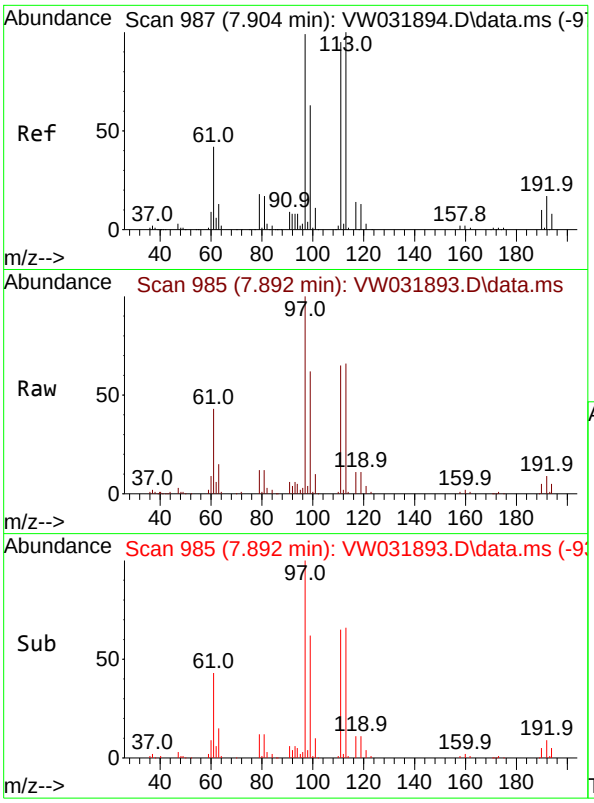


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:114 Resp: 418770

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.2
88	16.6	0.0	35.6

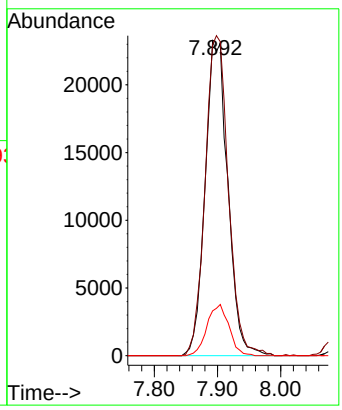




#35
Dibromofluoromethane
Concen: 20.372 ug/l
RT: 7.892 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:113 Resp: 5797

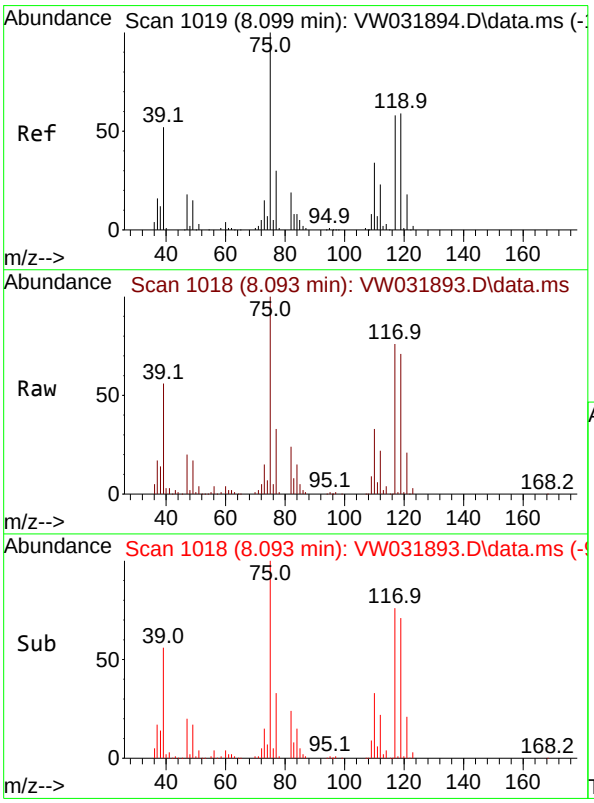
Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.9	119.9
192	15.7	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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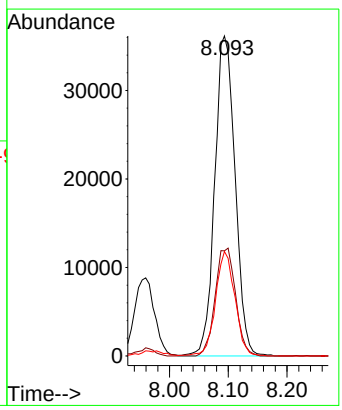
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

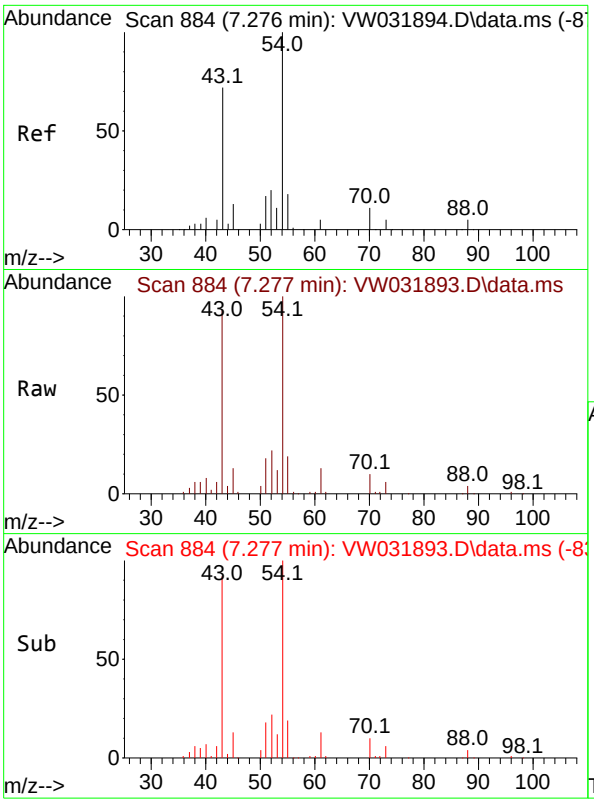


#36
1,1-Dichloropropene
Concen: 19.938 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 87130

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.2	25.1	37.7





#37
Ethyl Acetate
Concen: 20.390 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

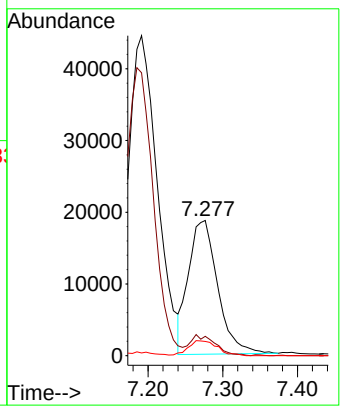
Tgt Ion: 43 Resp: 5083

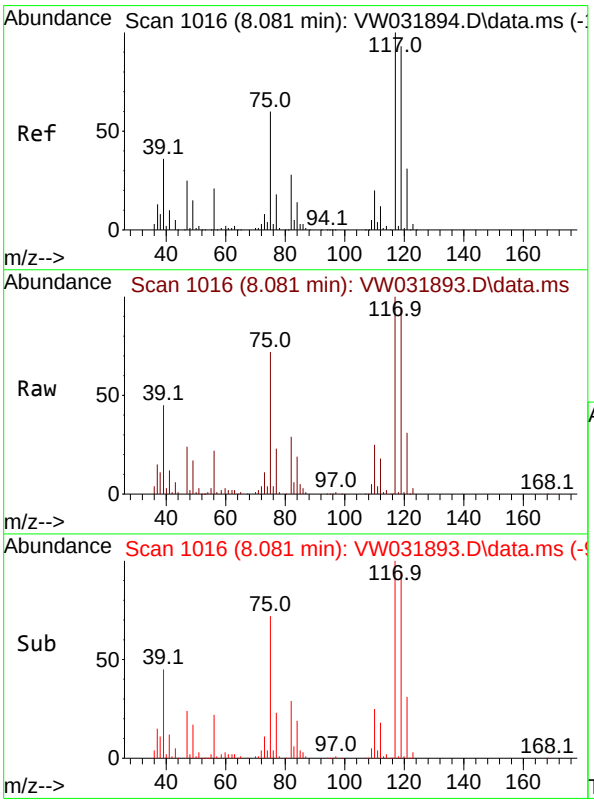
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	11.1	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

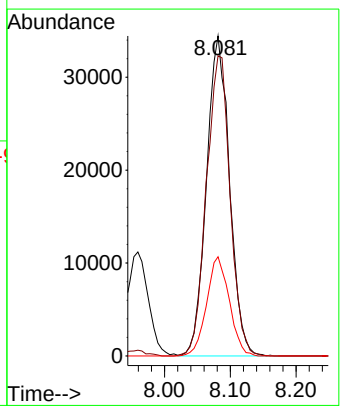


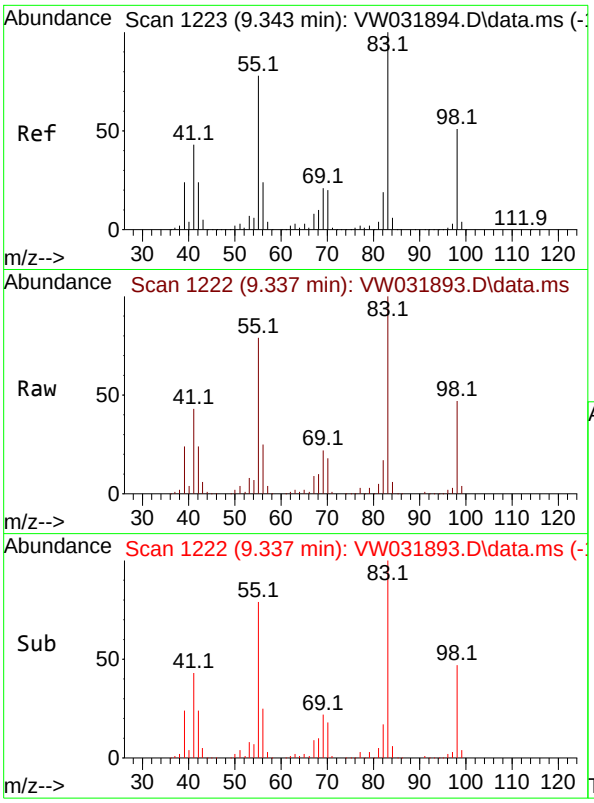


#38
Carbon Tetrachloride
Concen: 20.036 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:117 Resp: 84031

Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.3	111.5
121	31.0	24.6	37.0

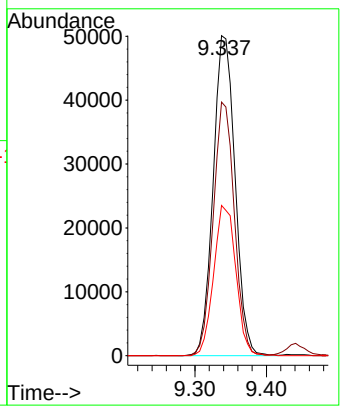




#39
Methylcyclohexane
Concen: 19.394 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 83 Resp: 10665

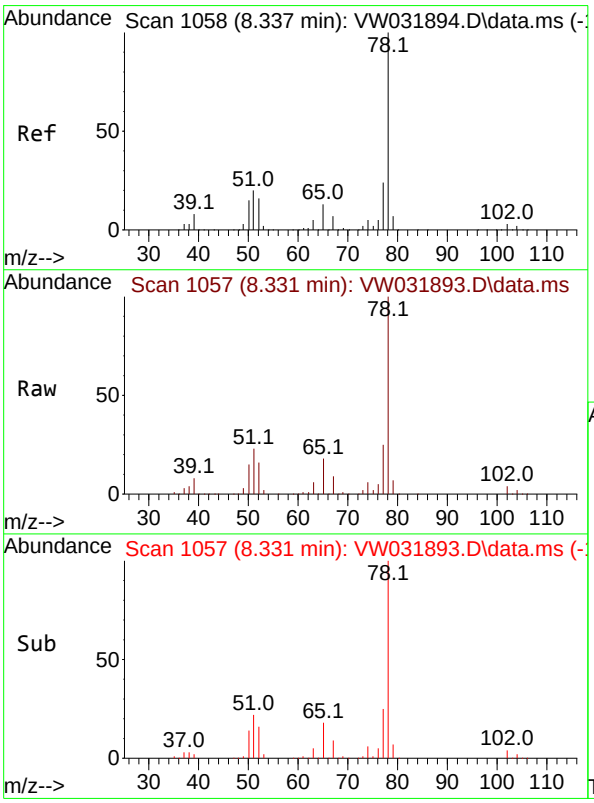
Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.5	93.7
98	46.9	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

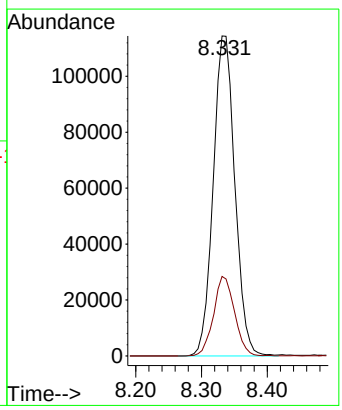
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

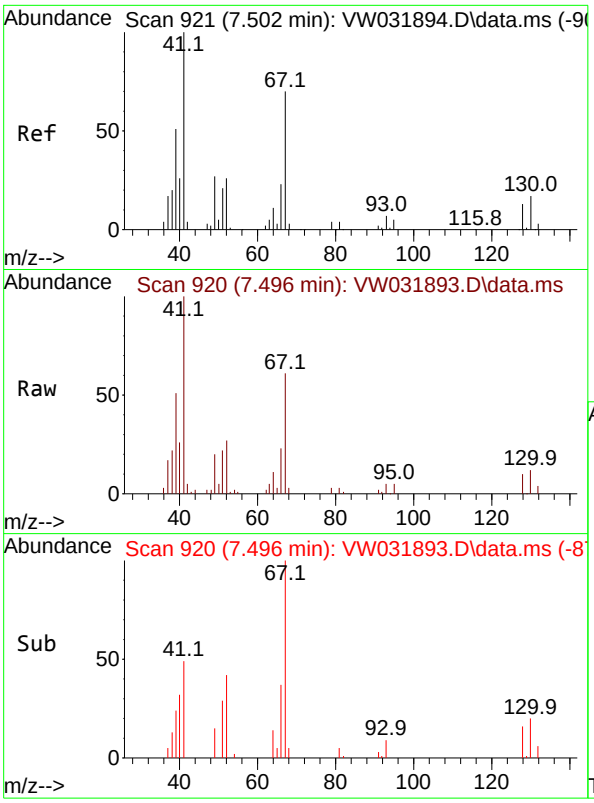


#40
Benzene
Concen: 20.261 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 78 Resp: 262100

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9

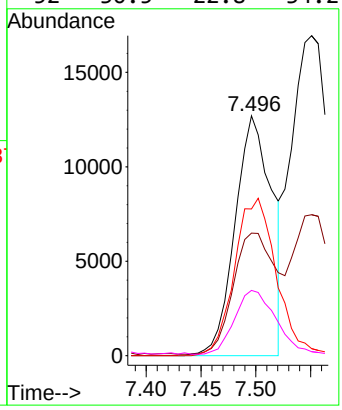




#41
Methacrylonitrile
Concen: 20.230 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 2970

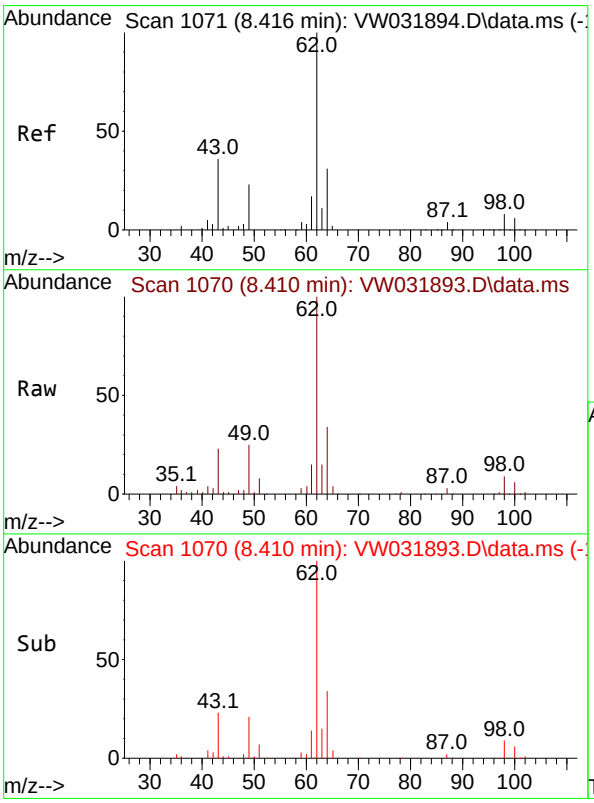
Ion	Ratio	Lower	Upper
41	100		
39	60.1	41.1	61.7
67	75.3	56.2	84.4
52	30.5	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

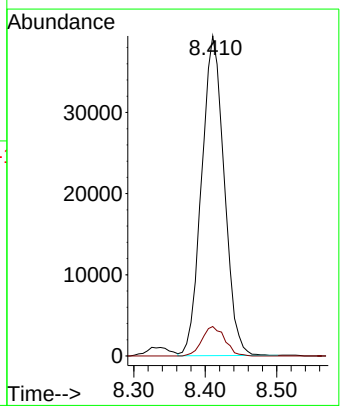
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

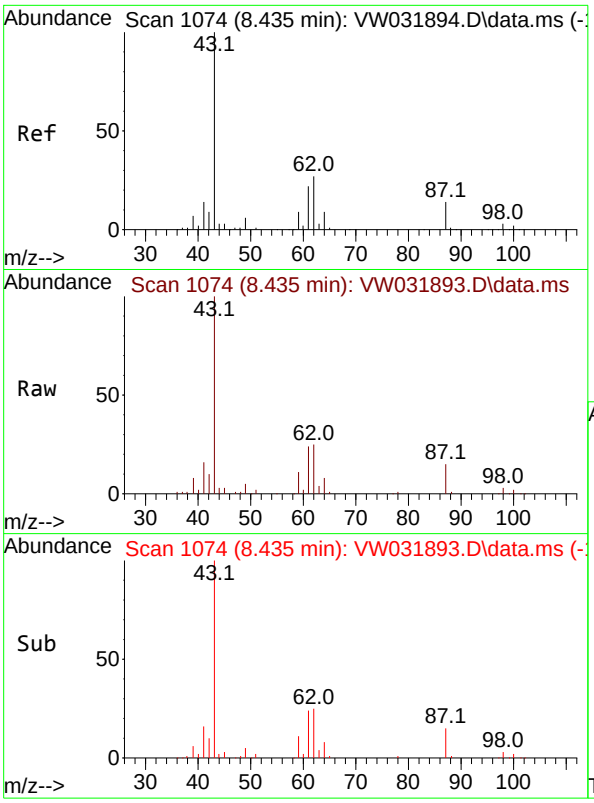


#42
1,2-Dichloroethane
Concen: 20.880 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 86447

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

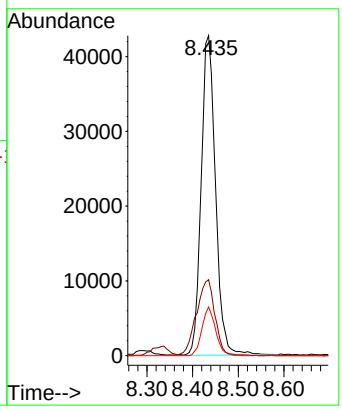




#43
Isopropyl Acetate
Concen: 20.628 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 9309

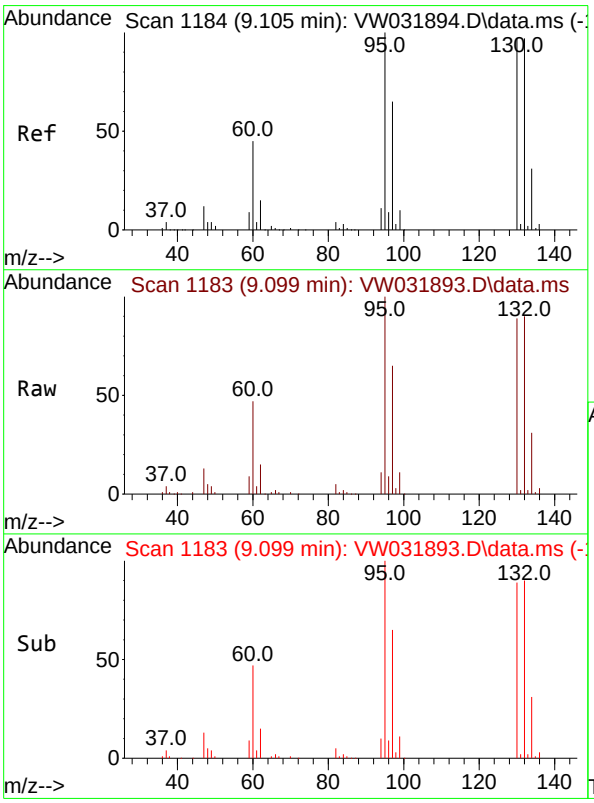
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	14.5	11.1	16.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

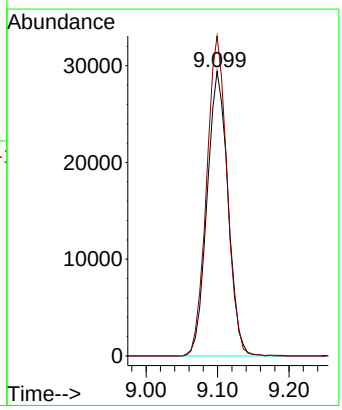
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

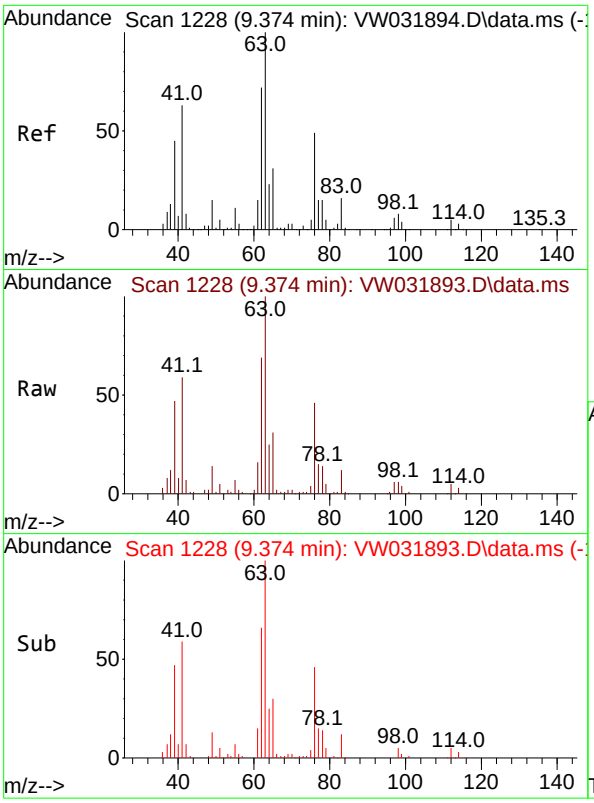


#44
Trichloroethene
Concen: 19.406 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:130 Resp: 59670

Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	206.4





#45
1,2-Dichloropropane
Concen: 20.231 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

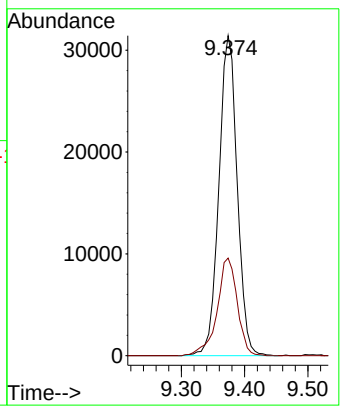
Tgt Ion: 63 Resp: 6302

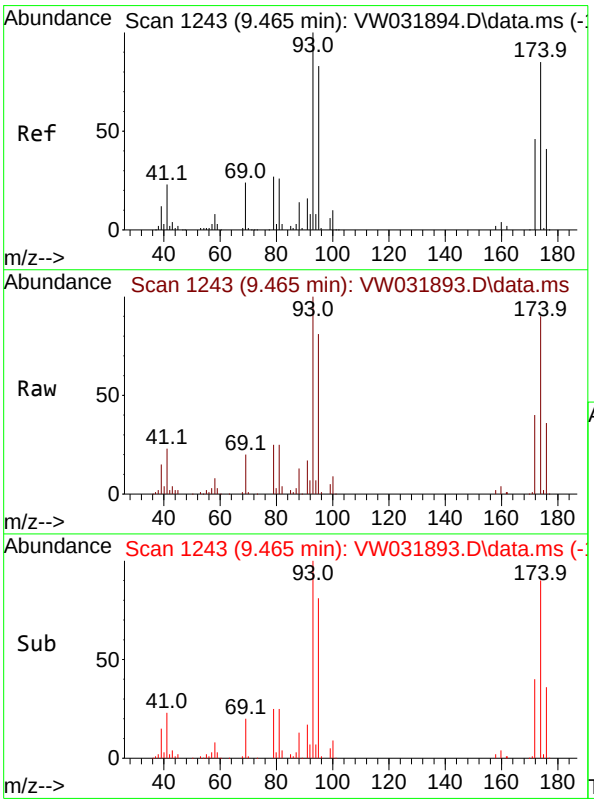
Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

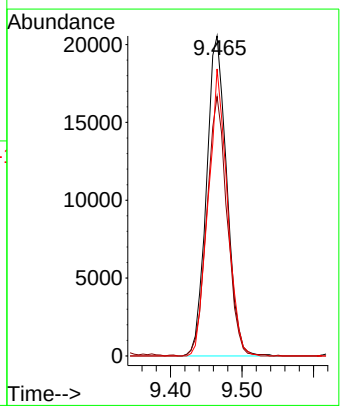


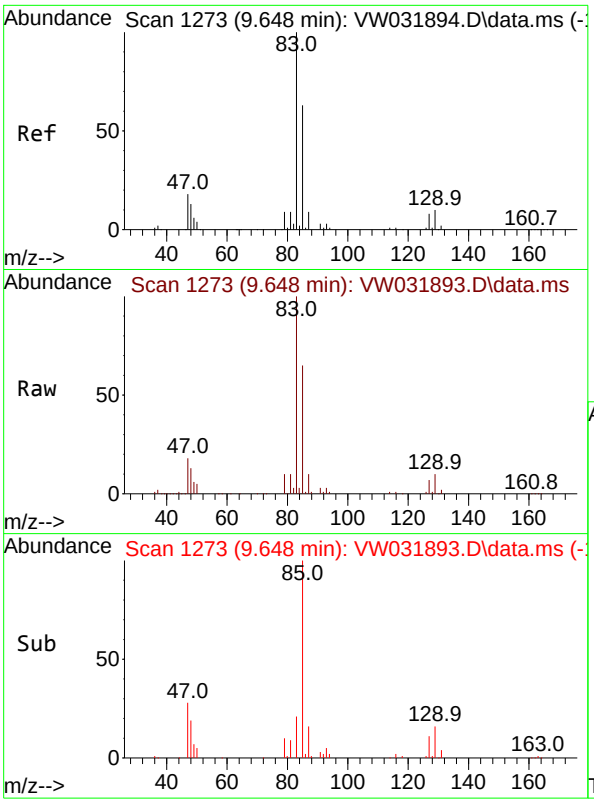


#46
Dibromomethane
Concen: 20.937 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 93 Resp: 40434

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.8	98.6
174	84.4	70.2	105.2

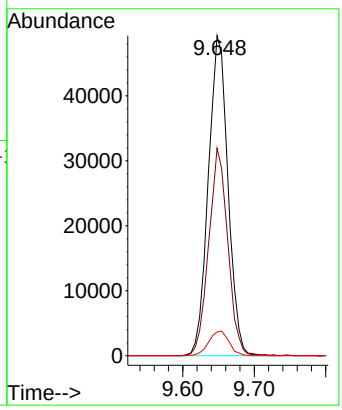




#47
Bromodichloromethane
Concen: 20.278 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 83 Resp: 9390

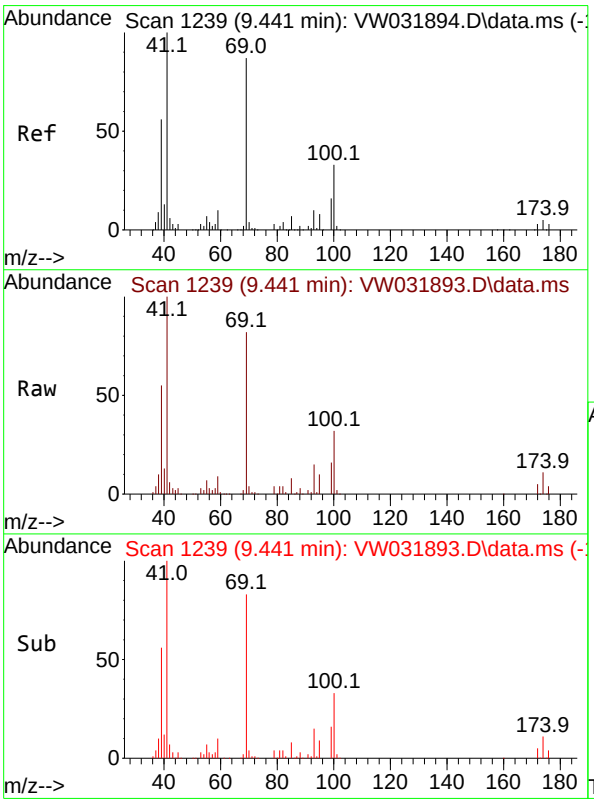
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0
127	7.4	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

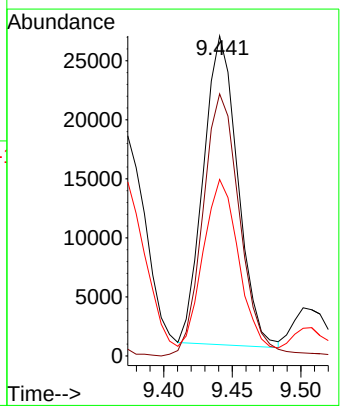
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

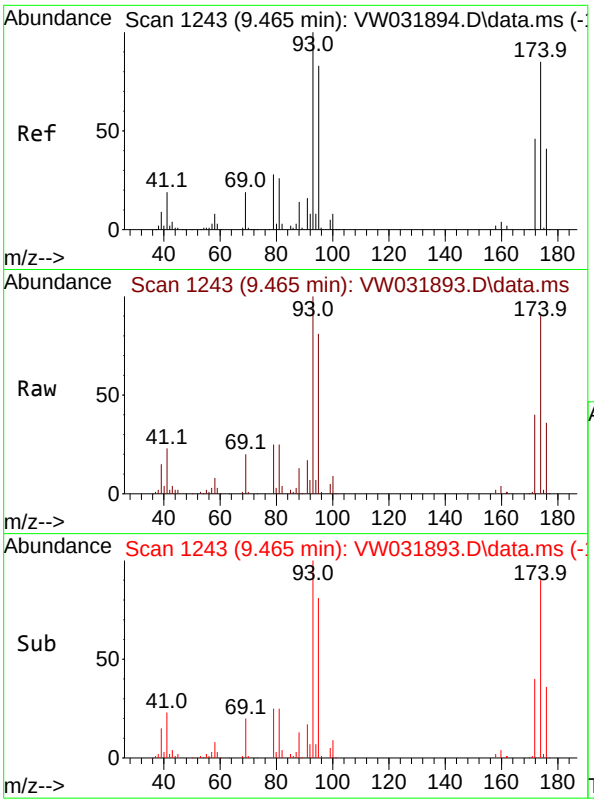


#48
Methyl methacrylate
Concen: 21.215 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 45551

Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.6	110.4
39	55.8	45.5	68.3

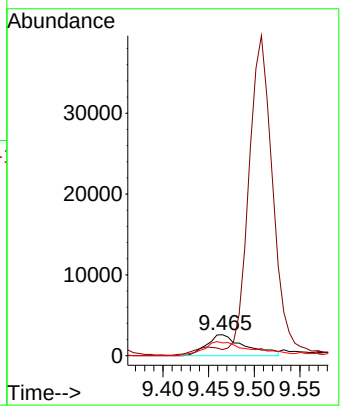




#49
1,4-Dioxane
Concen: 393.293 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 88 Resp: 757

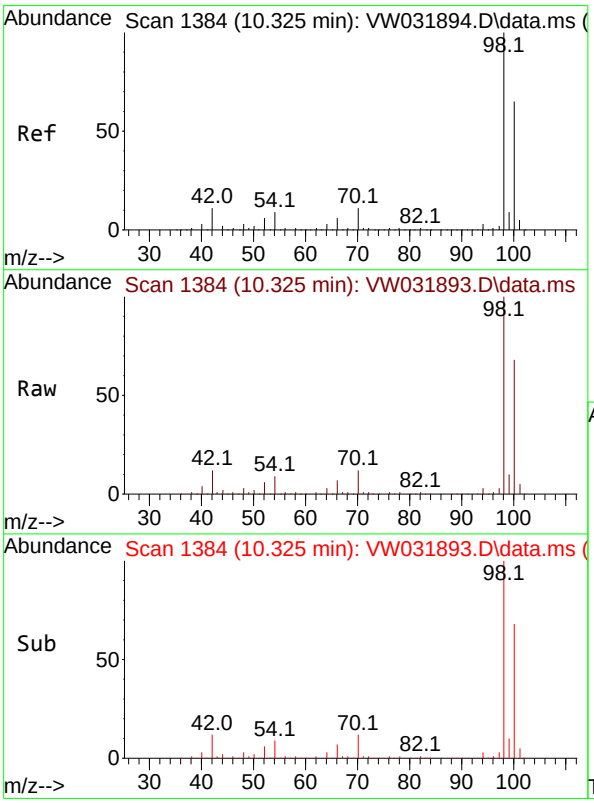
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	82.9	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

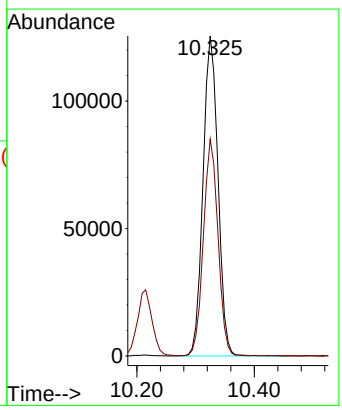
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

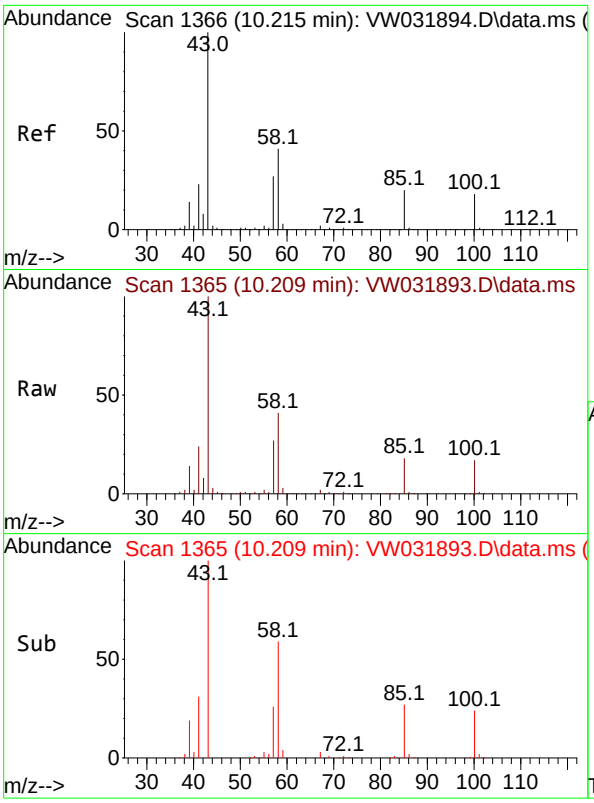


#50
Toluene-d8
Concen: 20.636 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 98 Resp: 222244

Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 107.527 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

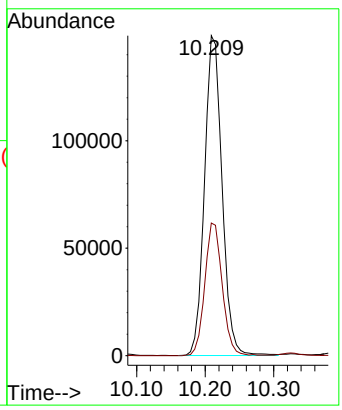
Tgt Ion: 43 Resp: 26557

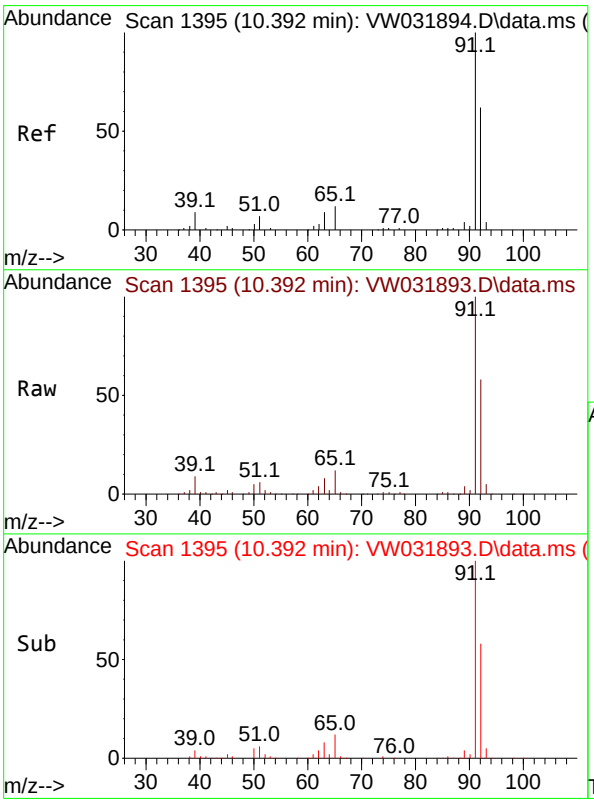
Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

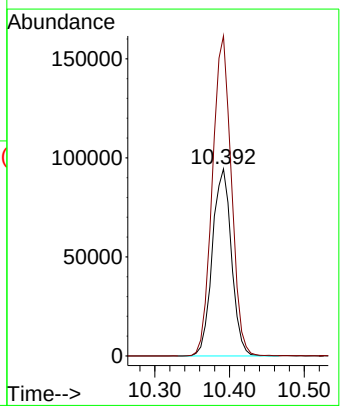


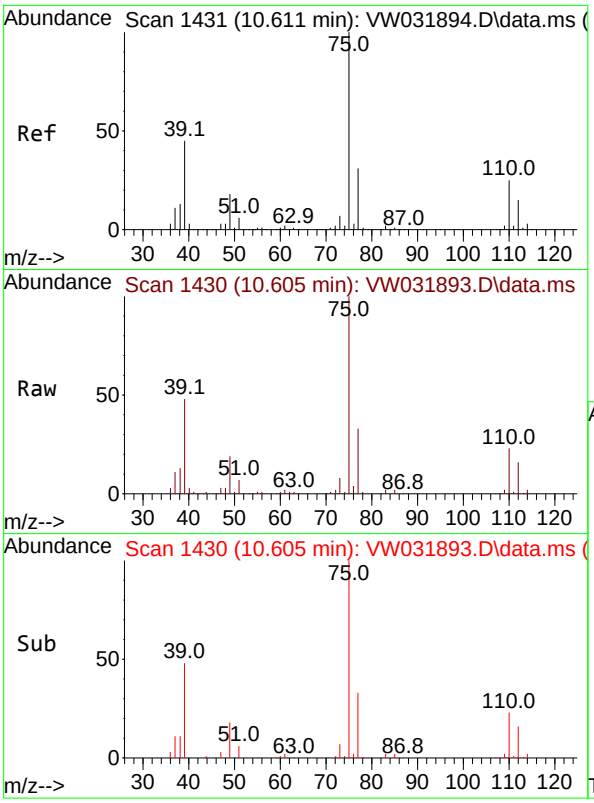


#52
Toluene
Concen: 20.213 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 92 Resp: 168089

Ion	Ratio	Lower	Upper
92	100		
91	169.8	133.7	200.5

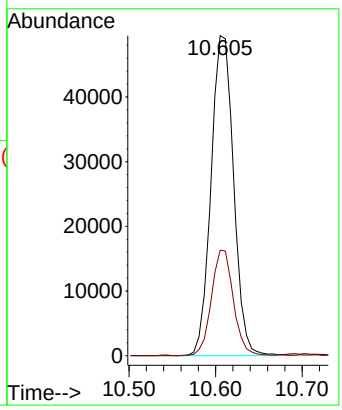




#53
t-1,3-Dichloropropene
Concen: 20.170 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 8960

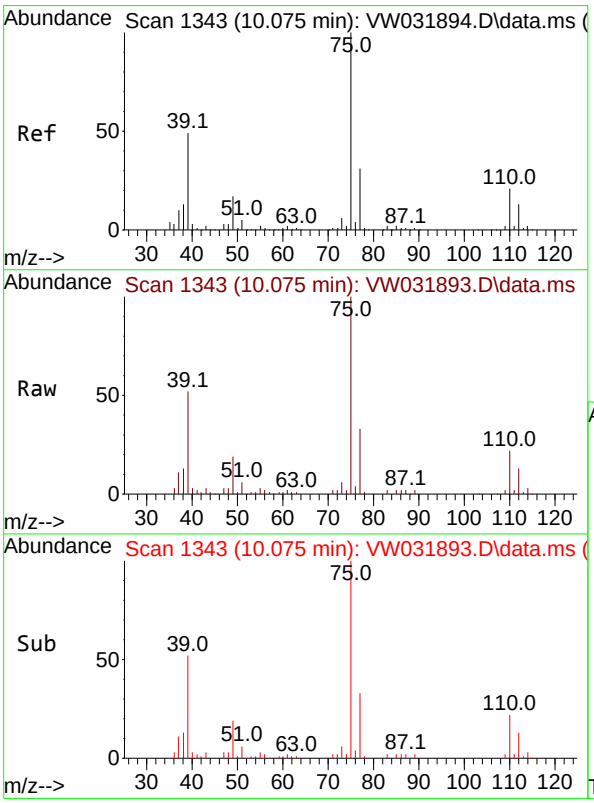
Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

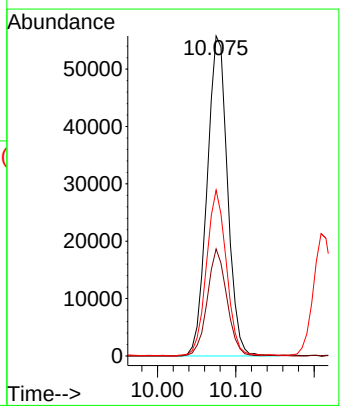
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

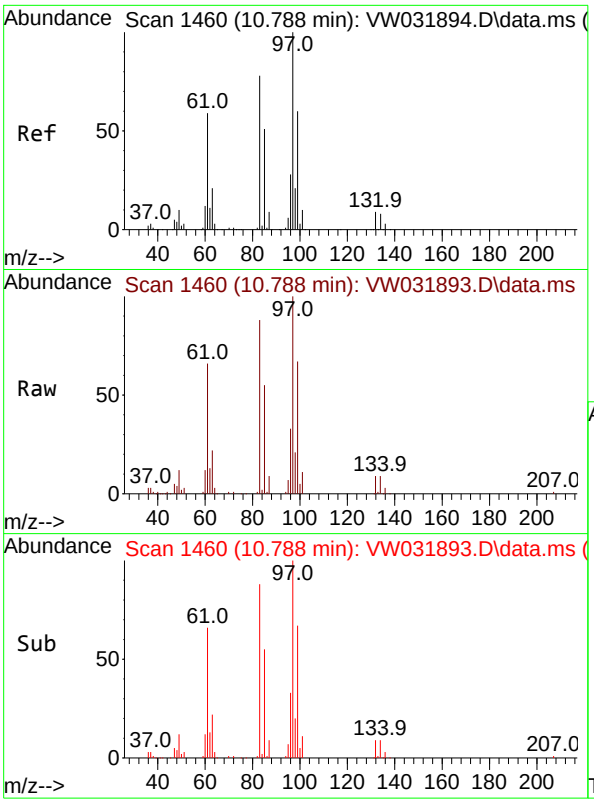


#54
cis-1,3-Dichloropropene
Concen: 19.838 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 100637

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.5	36.7
39	51.7	39.3	58.9

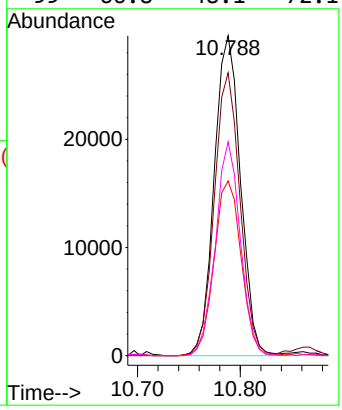




#55
1,1,2-Trichloroethane
Concen: 20.477 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 97 Resp: 5253

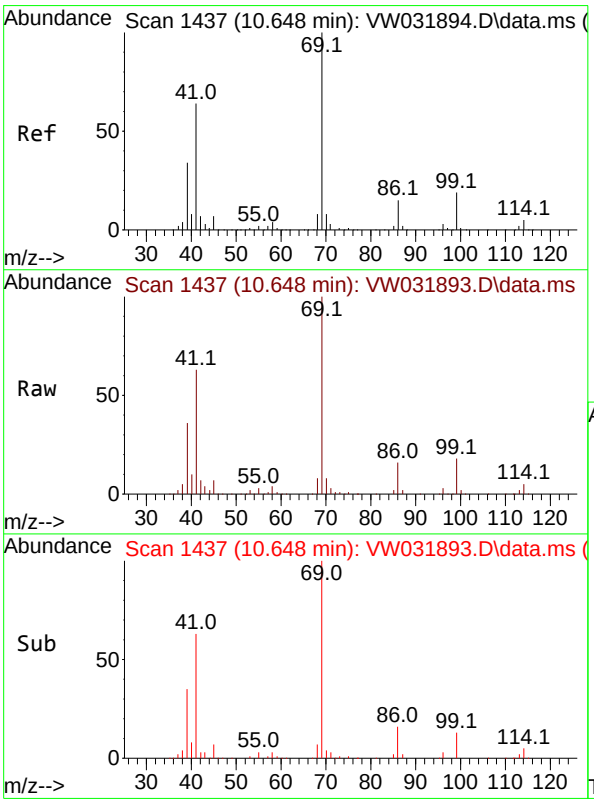
Ion	Ratio	Lower	Upper
97	100		
83	88.4	62.4	93.6
85	54.6	41.0	61.6
99	66.8	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

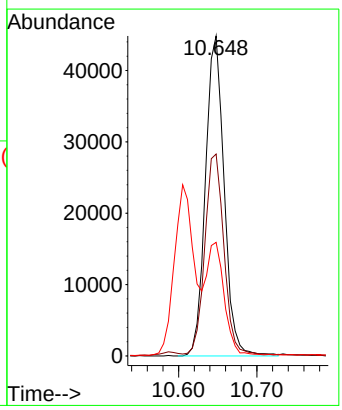
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

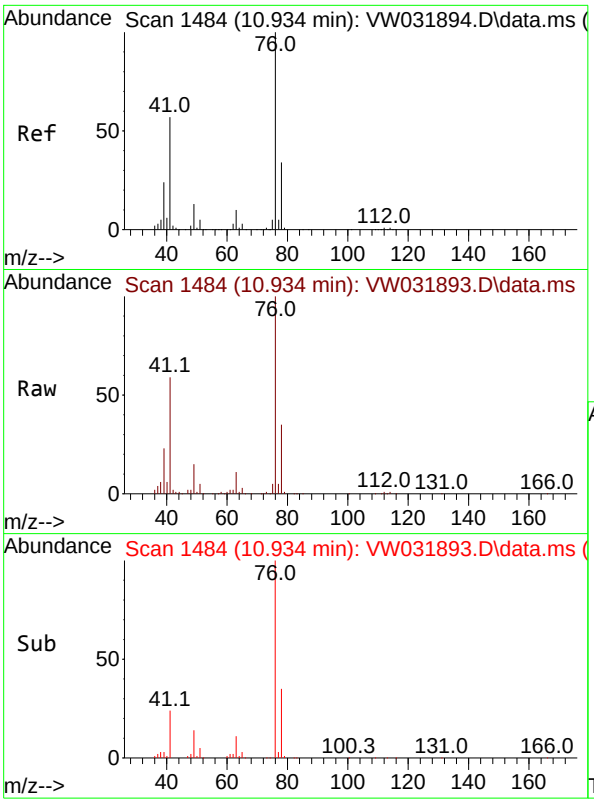


#56
Ethyl methacrylate
Concen: 20.460 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 69 Resp: 74127

Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.0	78.0
39	32.8	26.6	40.0

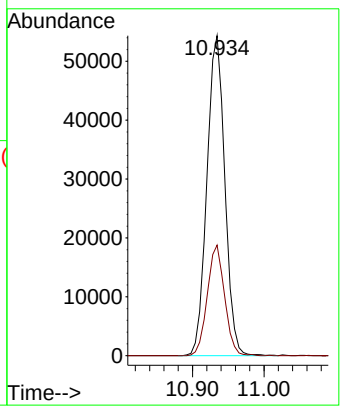




#57
1,3-Dichloropropane
Concen: 20.894 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 76 Resp: 9443

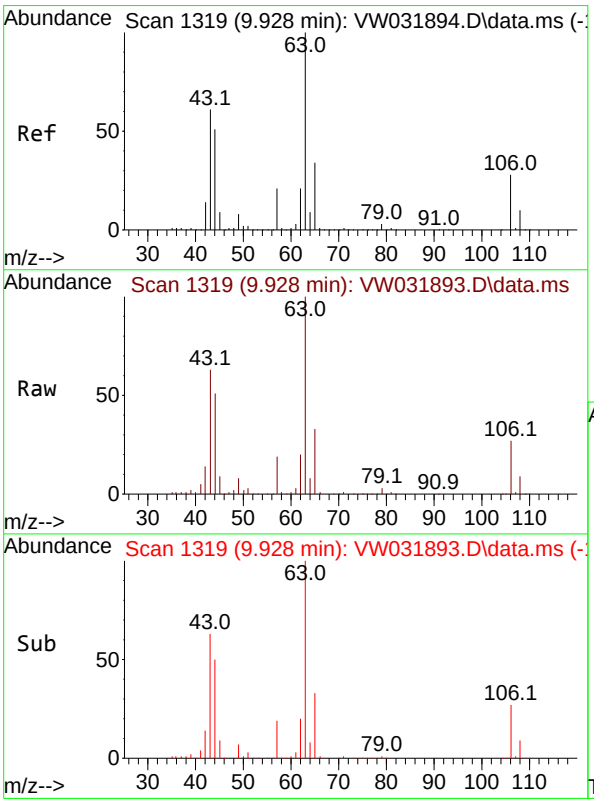
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

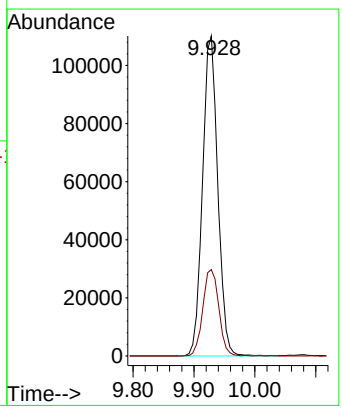
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

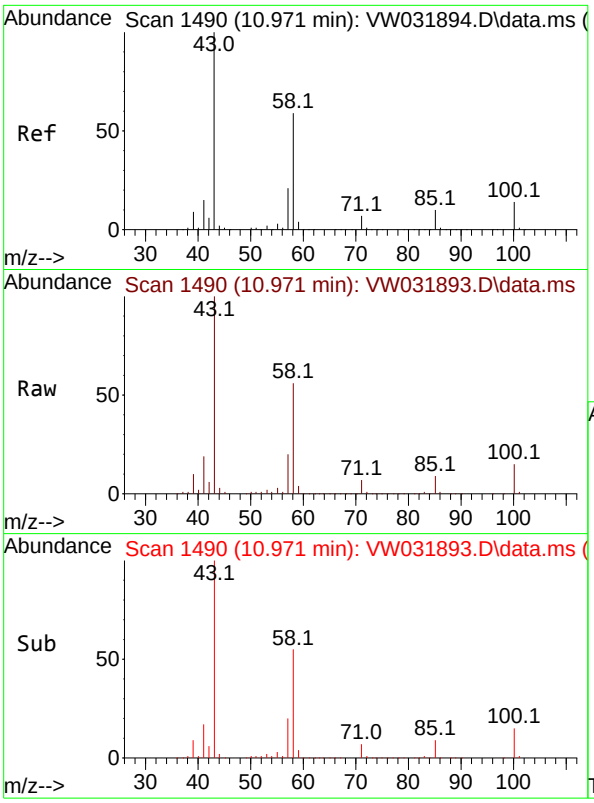


#58
2-Chloroethyl Vinyl ether
Concen: 102.829 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 63 Resp: 191363

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1





#59
2-Hexanone
Concen: 107.552 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

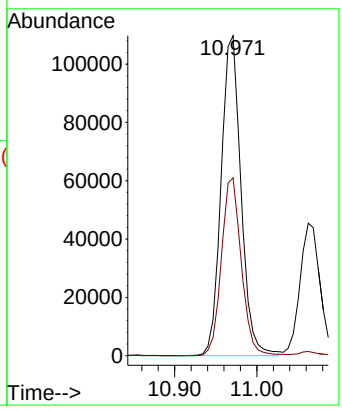
Tgt Ion: 43 Resp: 18464

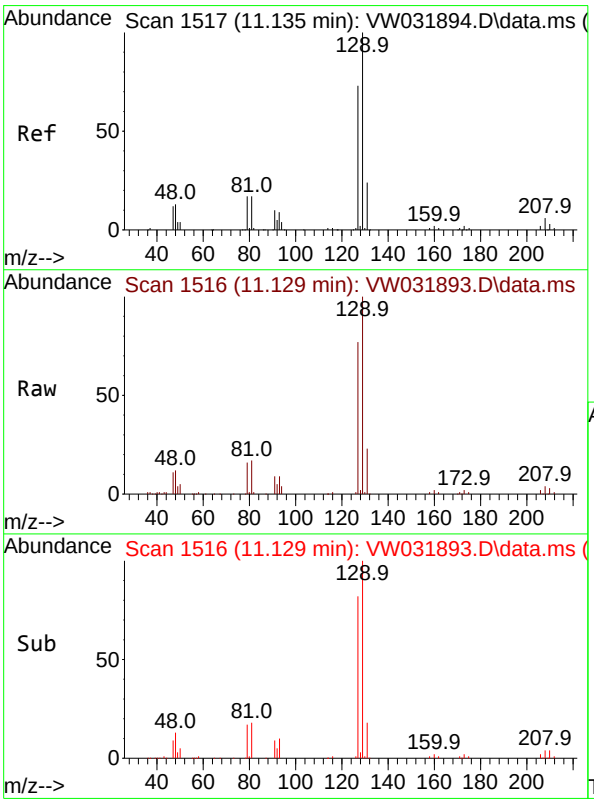
Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

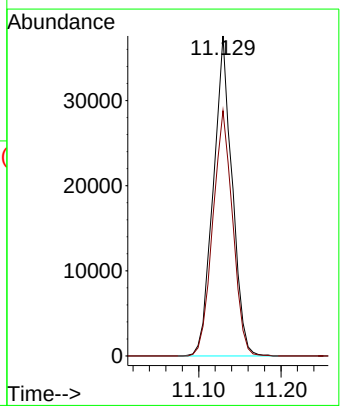


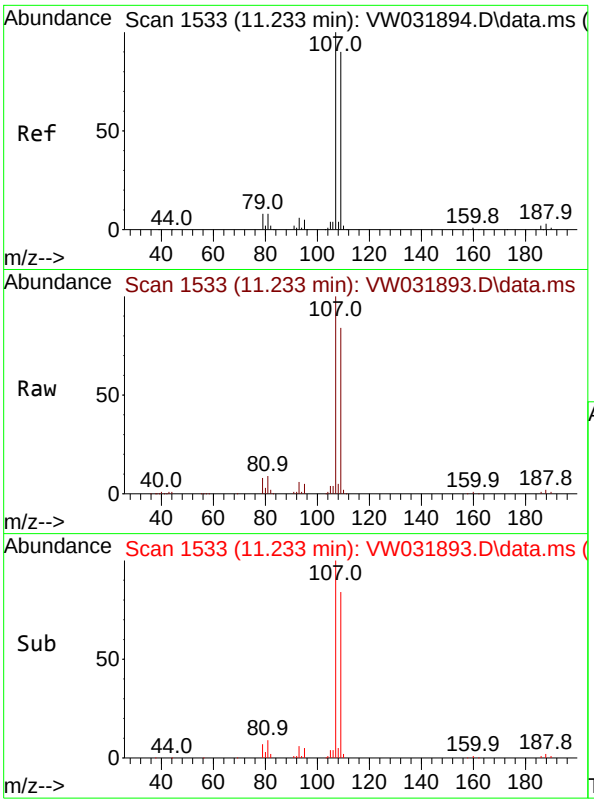


#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:129 Resp: 60033

Ion	Ratio	Lower	Upper
129	100		
127	80.5	39.6	118.8

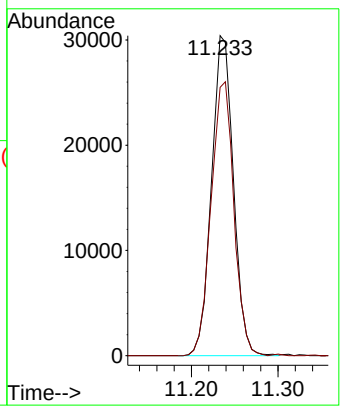




#61
1,2-Dibromoethane
Concen: 21.035 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:107 Resp: 5332

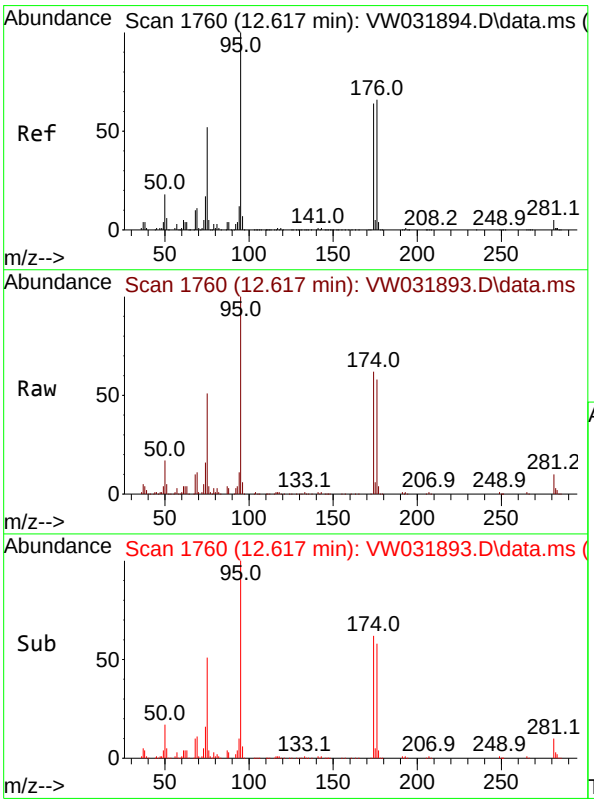
Ion	Ratio	Lower	Upper
107	100		
109	89.2	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

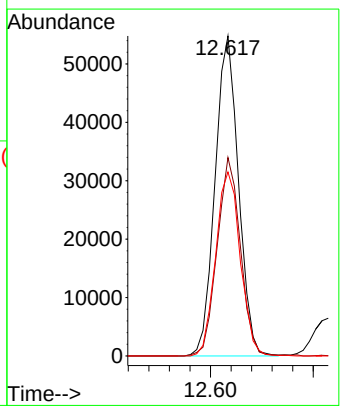
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

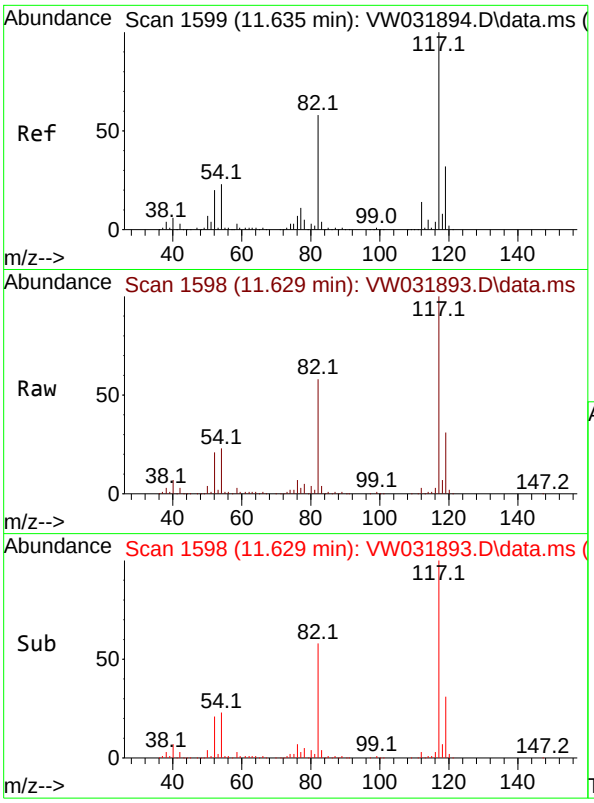


#62
4-Bromofluorobenzene
Concen: 20.921 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 95 Resp: 86515

Ion	Ratio	Lower	Upper
95	100		
174	61.5	0.0	129.8
176	60.4	0.0	130.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

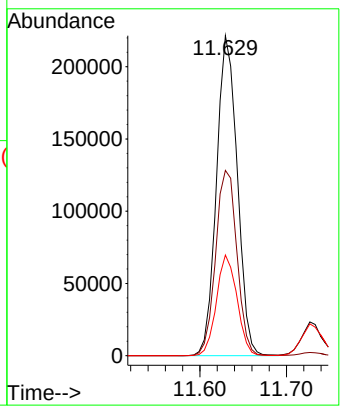
Tgt Ion:117 Resp: 36965

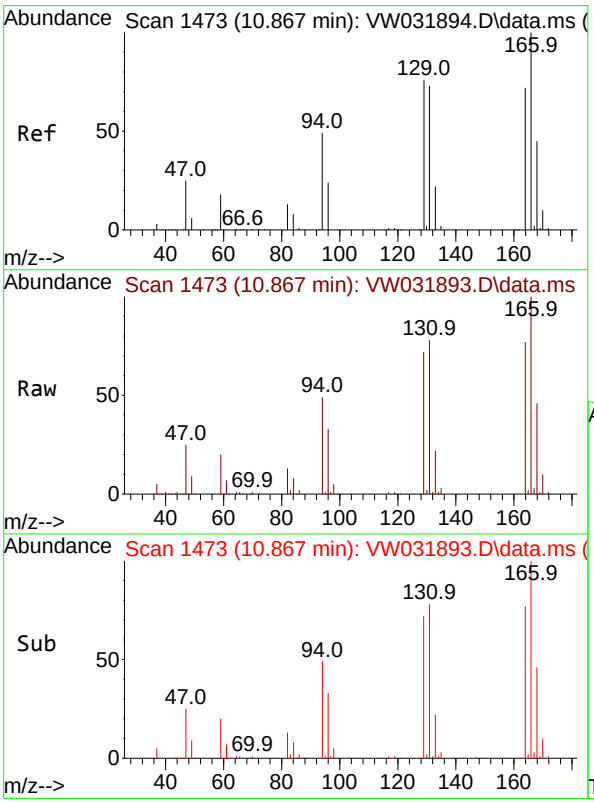
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.5	69.7
119	31.5	25.8	38.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

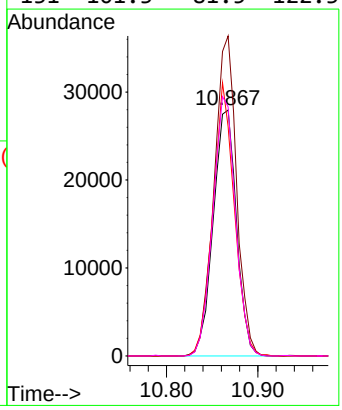


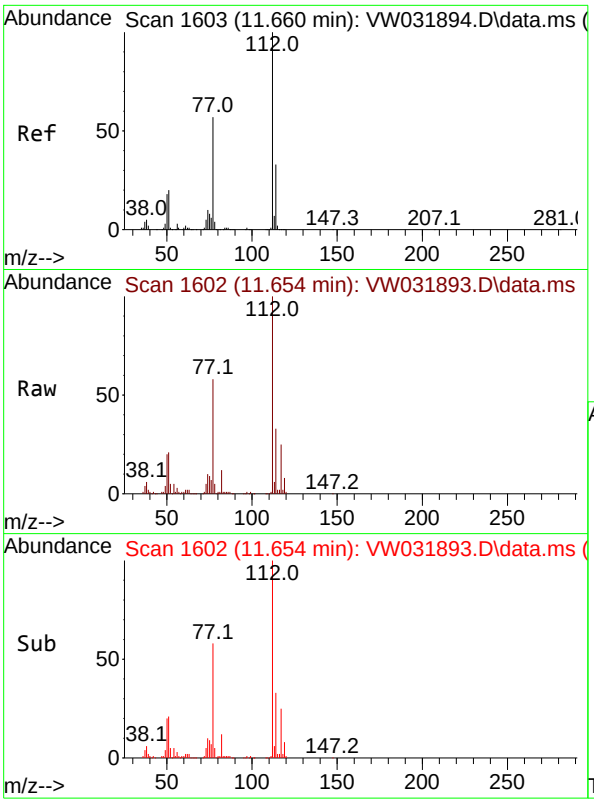


#64
Tetrachloroethene
Concen: 20.230 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:164 Resp: 49304

Ion	Ratio	Lower	Upper
164	100		
166	130.1	111.5	167.3
129	93.2	85.1	127.7
131	101.3	81.5	122.3





#65
Chlorobenzene
Concen: 20.552 ug/l
RT: 11.654 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

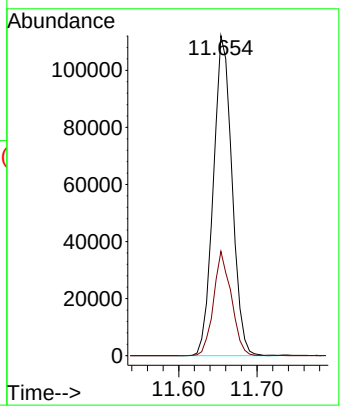
Tgt Ion:112 Resp: 18593

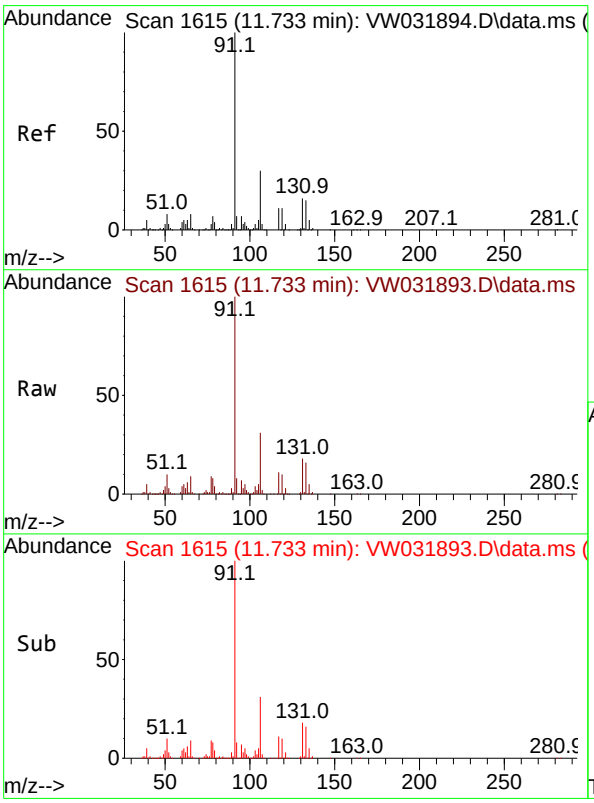
Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

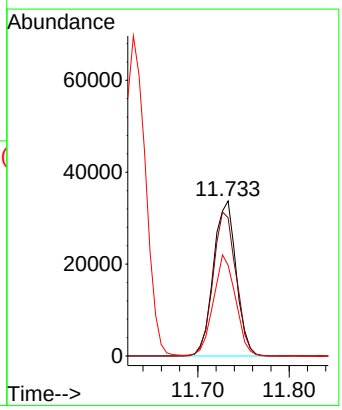


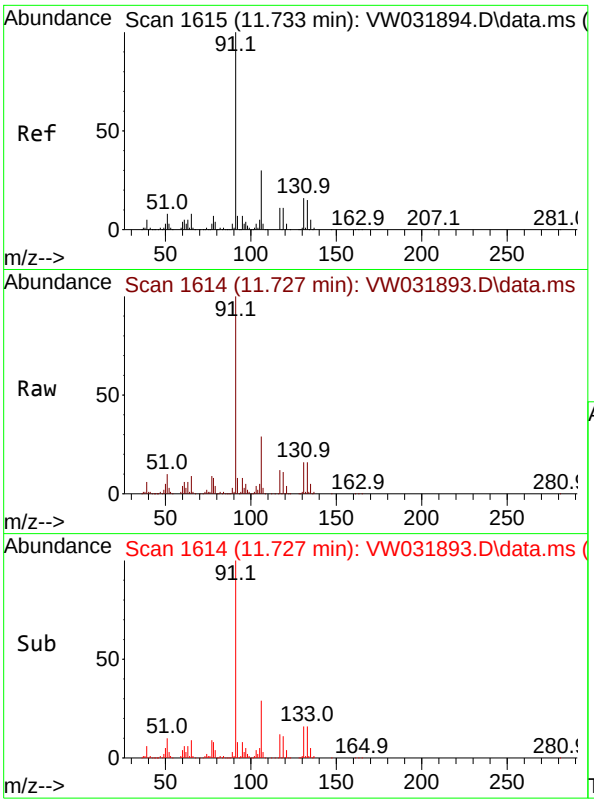


#66
1,1,1,2-Tetrachloroethane
Concen: 20.767 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:131 Resp: 58246

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.4
119	63.8	33.7	101.1





#67
Ethyl Benzene
Concen: 20.134 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

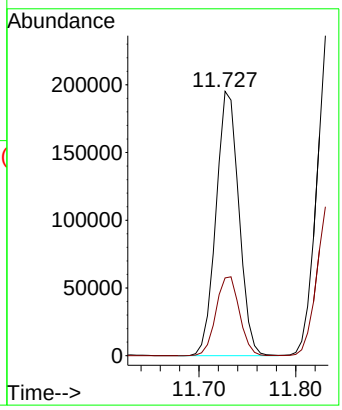
Tgt Ion: 91 Resp: 32005(

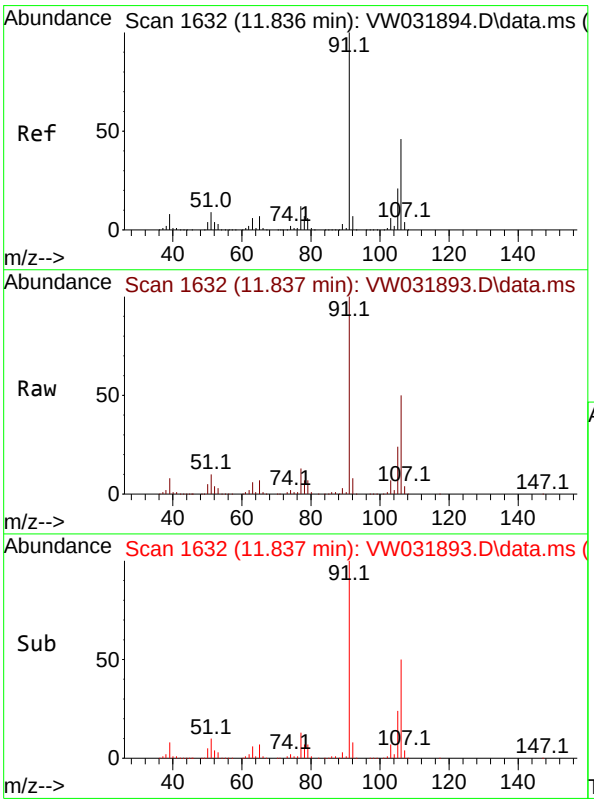
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

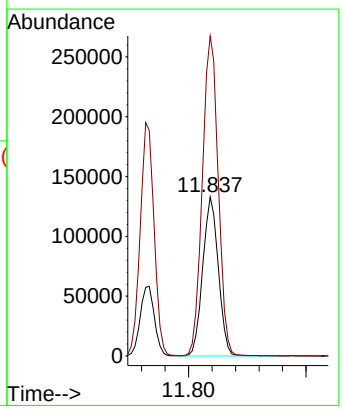


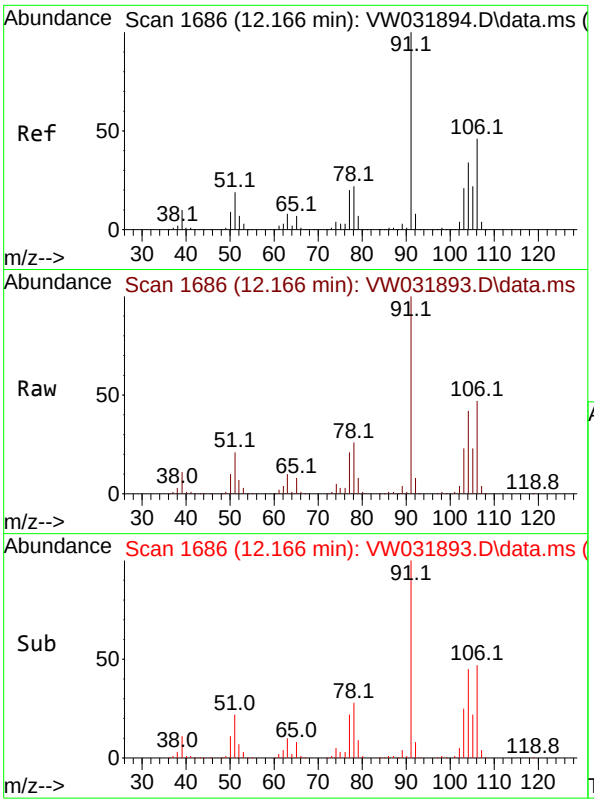


#68
m/p-Xylenes
Concen: 40.945 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:106 Resp: 245015

Ion	Ratio	Lower	Upper
106	100		
91	204.8	167.7	251.5

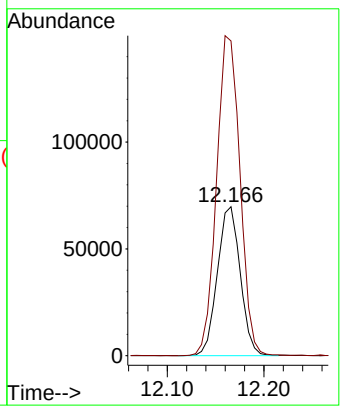




#69
o-Xylene
Concen: 20.216 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:106 Resp: 11448

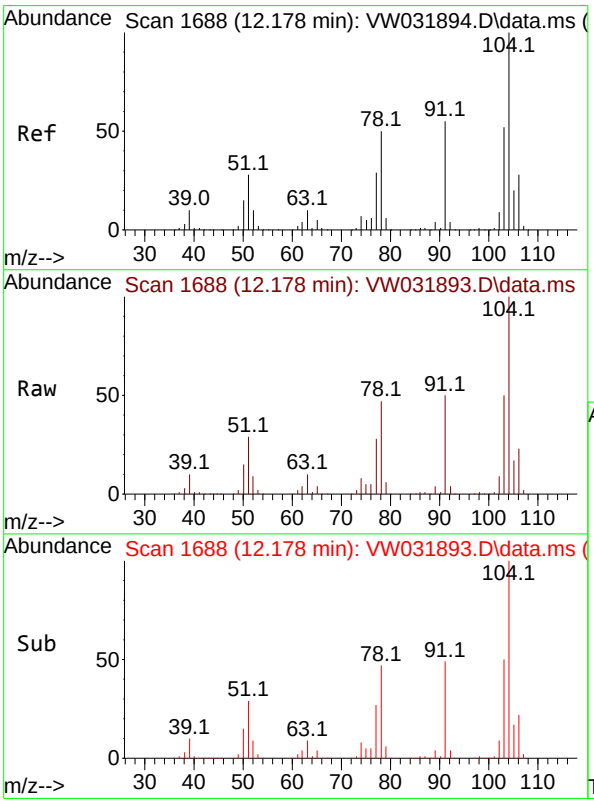
Ion	Ratio	Lower	Upper
106	100		
91	220.6	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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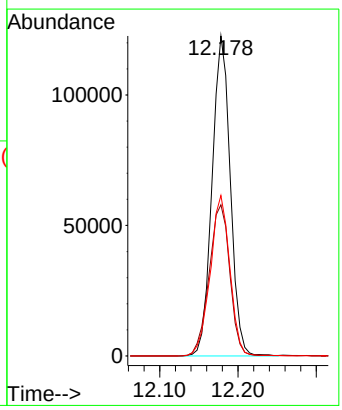
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

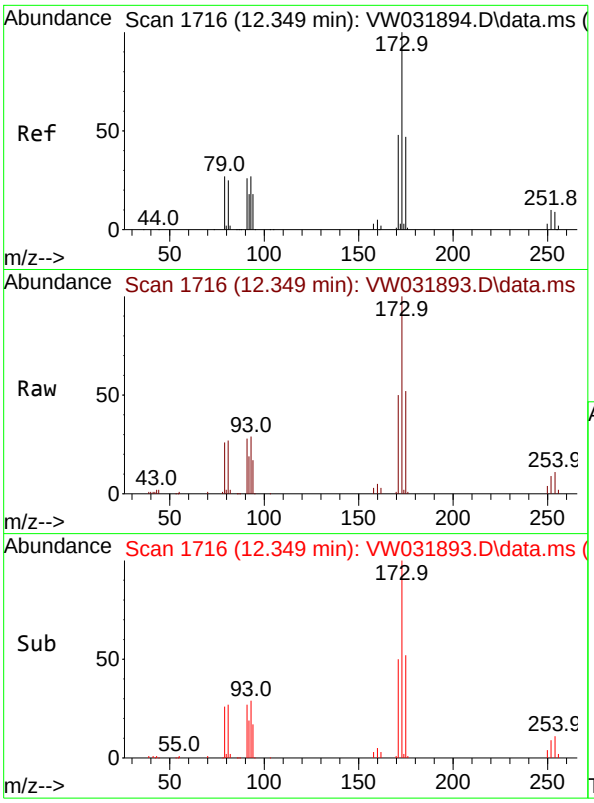


#70
Styrene
Concen: 20.610 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:104 Resp: 198720

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	53.9	42.8	64.2

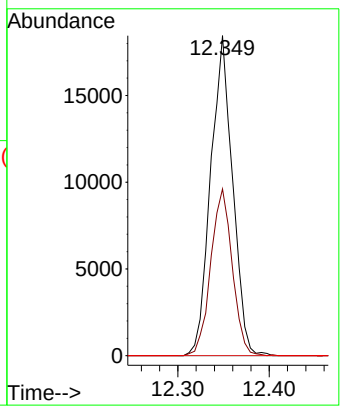




#71
Bromoform
Concen: 20.055 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:173 Resp: 3076

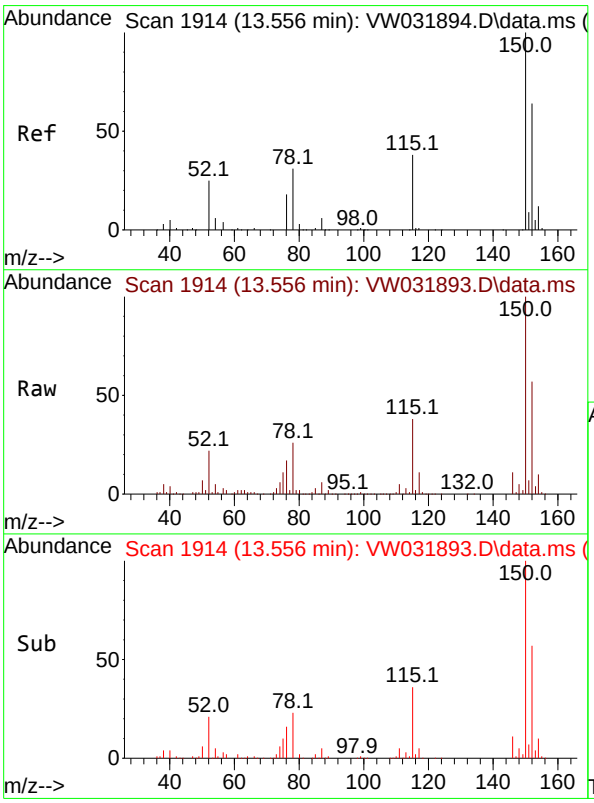
Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.5	73.5
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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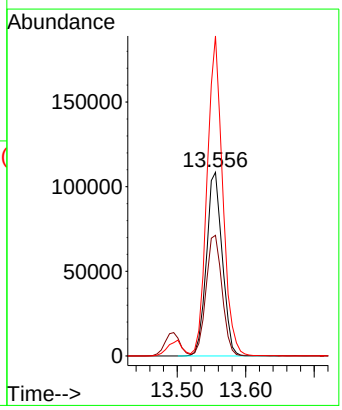
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

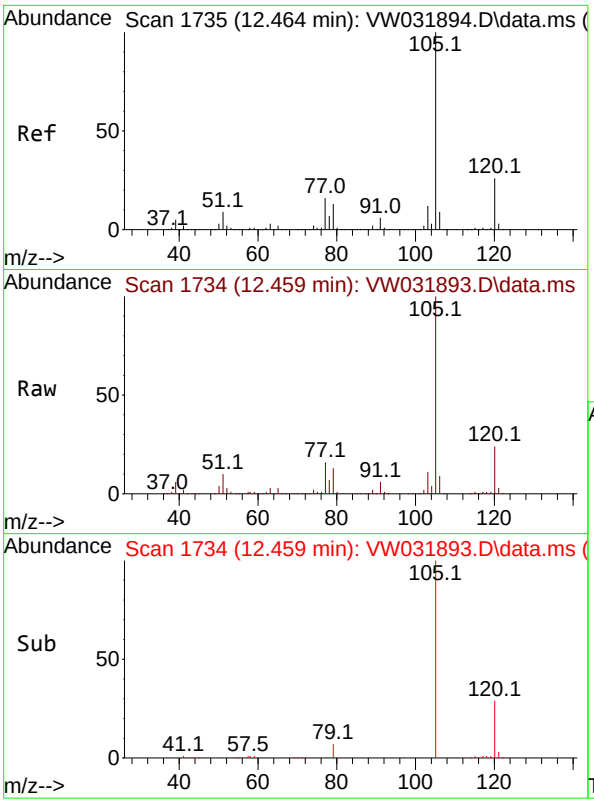


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:152 Resp: 174259

Ion	Ratio	Lower	Upper
152	100		
115	66.4	33.4	100.1
150	171.2	0.0	352.2

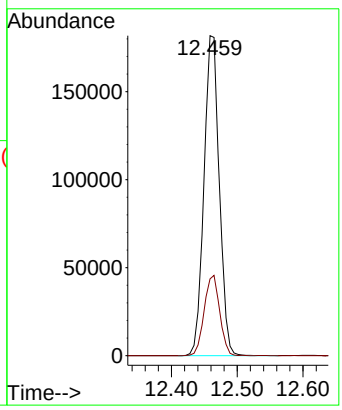




#73
Isopropylbenzene
Concen: 19.474 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 29444

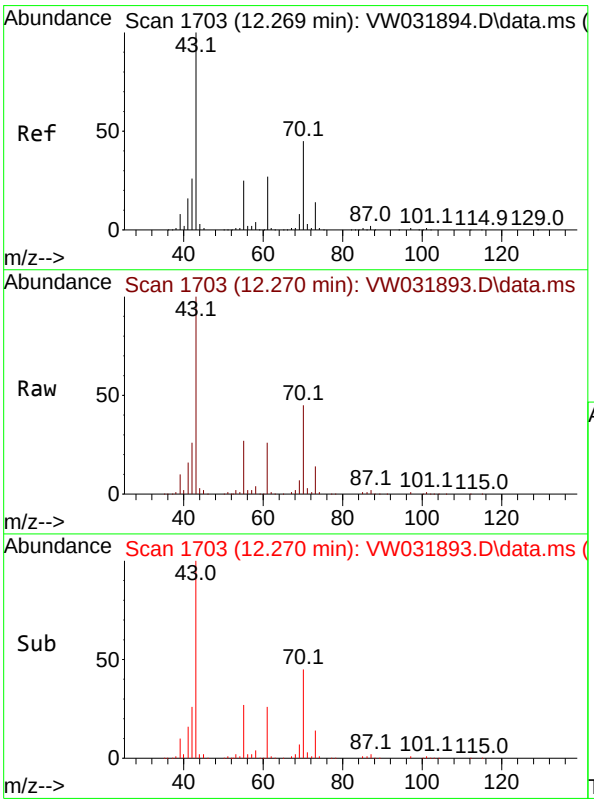
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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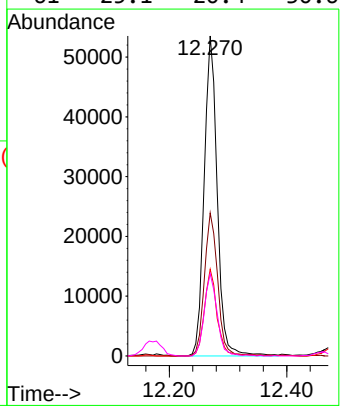
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

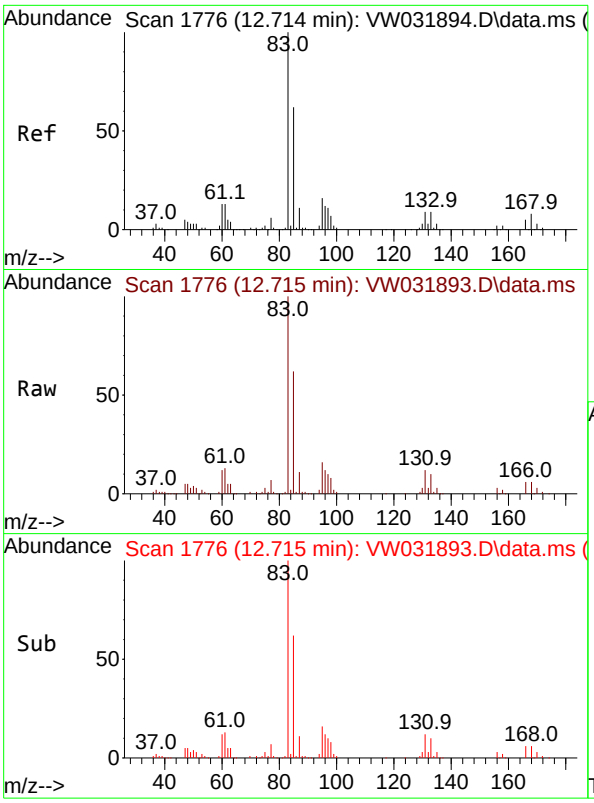


#74
N-amyl acetate
Concen: 20.253 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 82784

Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.6	55.0
55	26.5	20.7	31.1
61	25.1	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 20.939 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

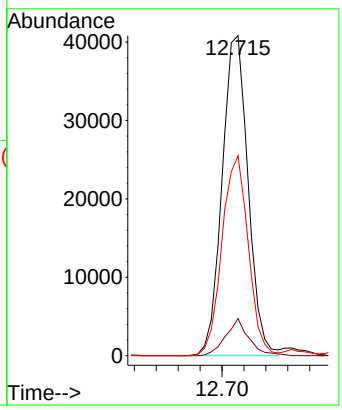
Tgt Ion: 83 Resp: 6720

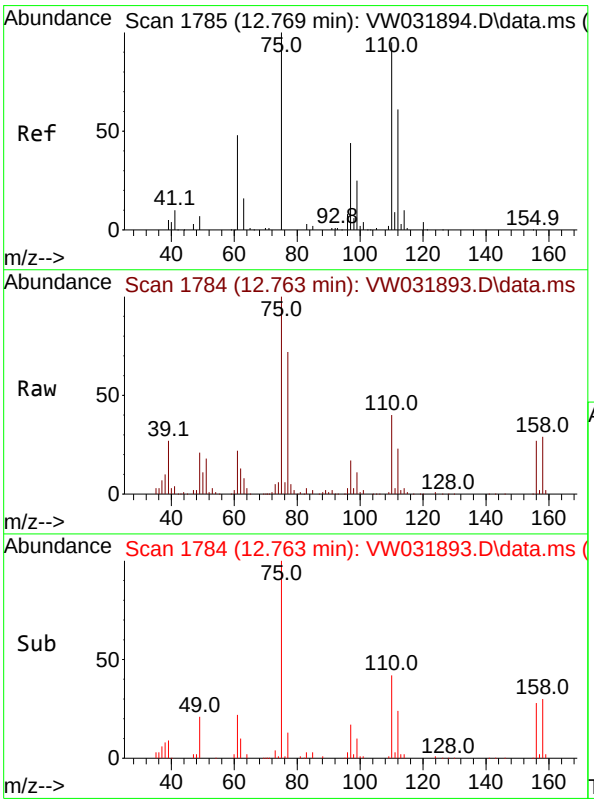
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	63.2	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

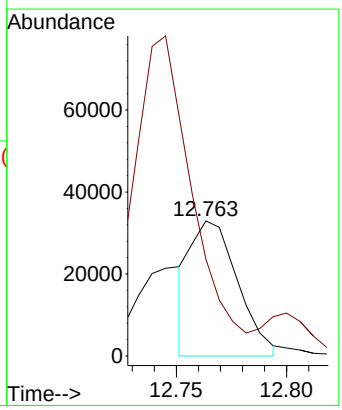


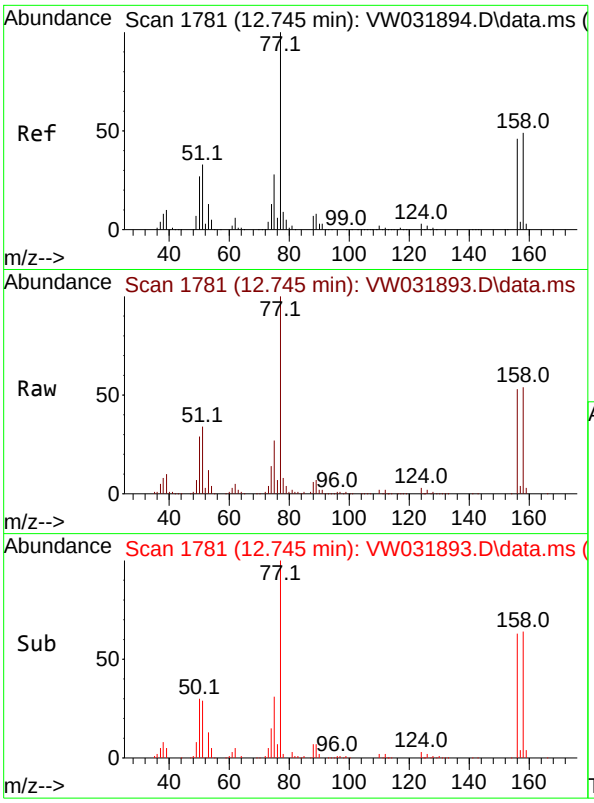


#76
1,2,3-Trichloropropane
Concen: 20.562 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 49056

Ion	Ratio	Lower	Upper
75	100		
77	296.7	0.0	0.0#

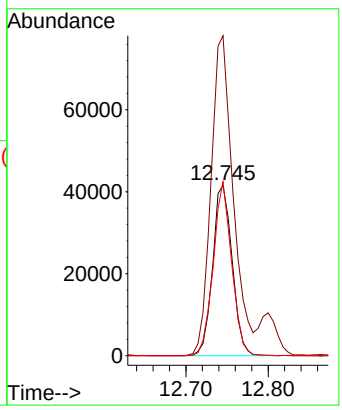




#77
Bromobenzene
Concen: 20.916 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:156 Resp: 6842

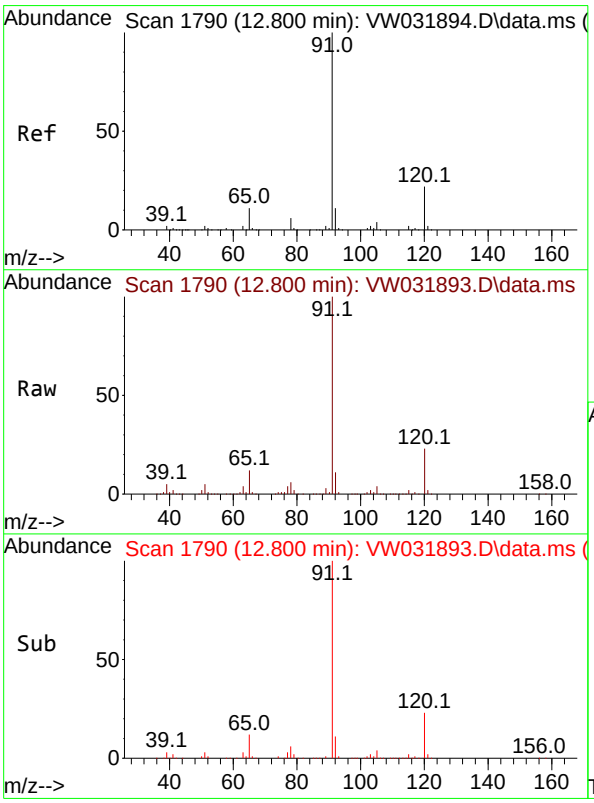
Ion	Ratio	Lower	Upper
156	100		
77	212.7	115.3	345.8
158	96.4	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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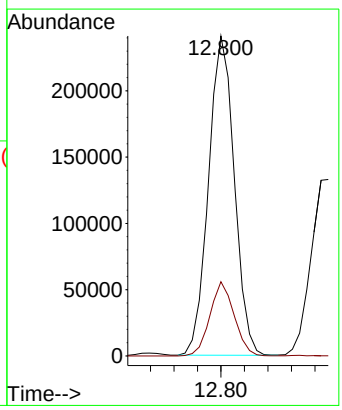
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

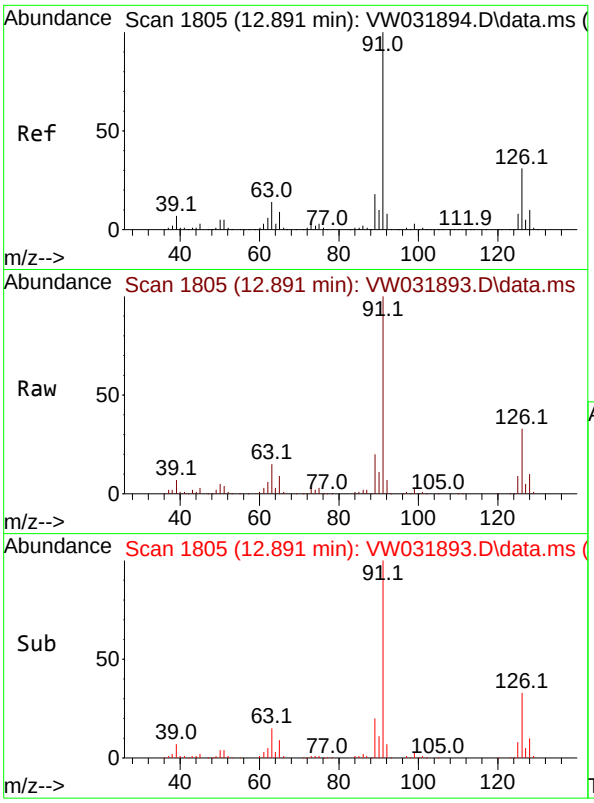


#78
n-propylbenzene
Concen: 19.769 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 367105

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6

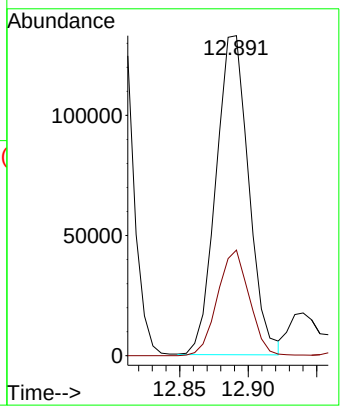




#79
2-Chlorotoluene
Concen: 19.964 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 22135

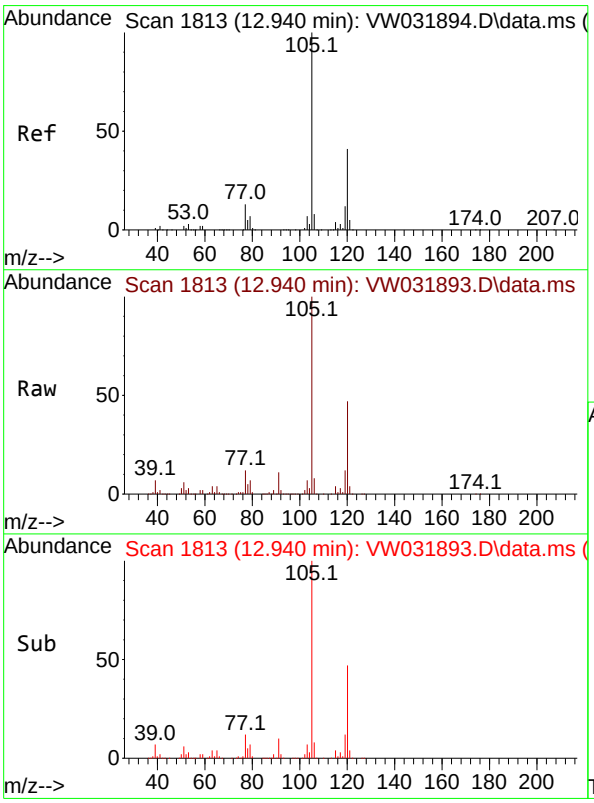
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.6	46.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

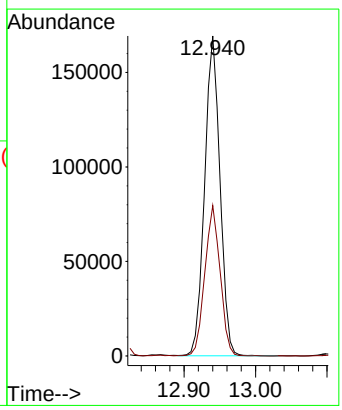
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

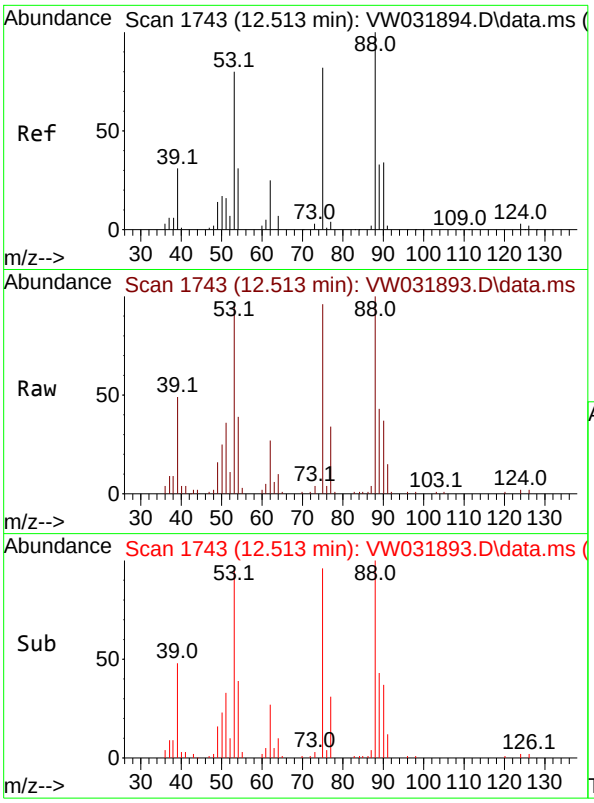


#80
1,3,5-Trimethylbenzene
Concen: 19.898 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 252317

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 20.104 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

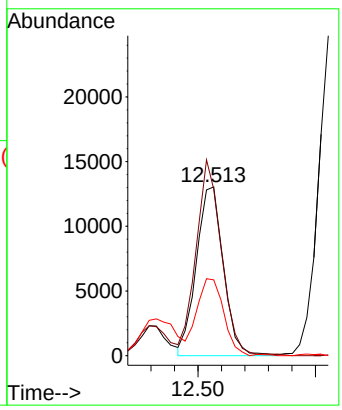
Tgt Ion: 75 Resp: 2095

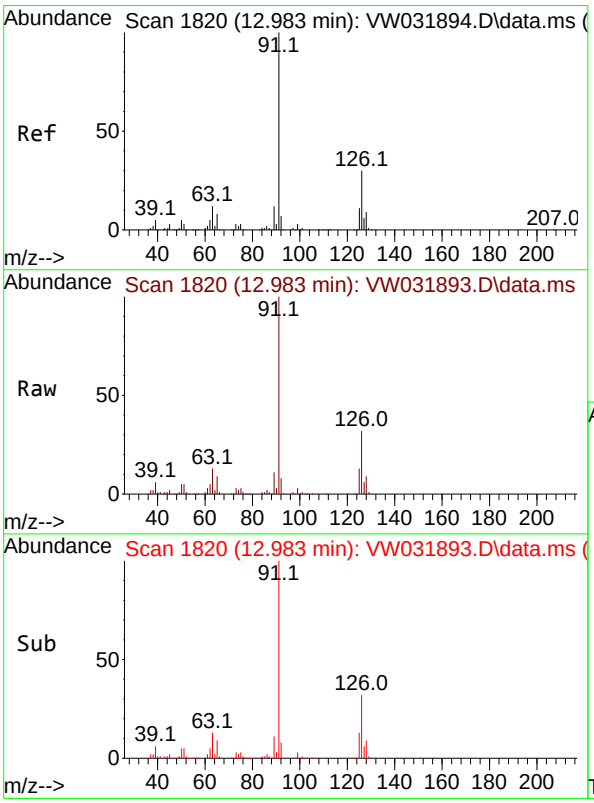
Ion	Ratio	Lower	Upper
75	100		
53	108.4	83.7	125.5
89	45.1	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

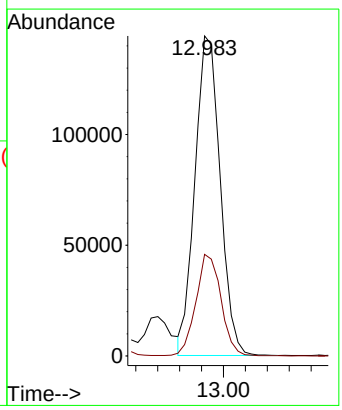


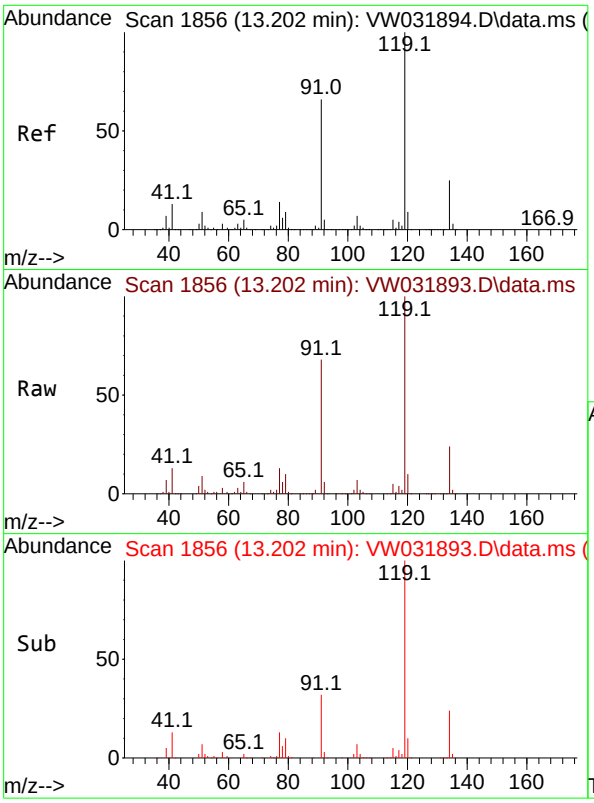


#82
4-Chlorotoluene
Concen: 19.843 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 230806

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

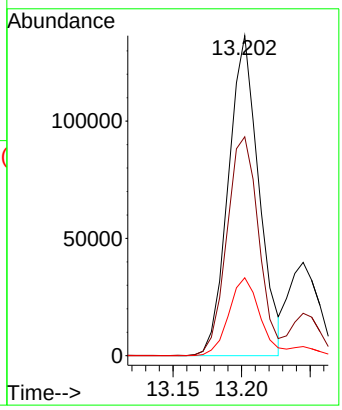




#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:119 Resp: 21103

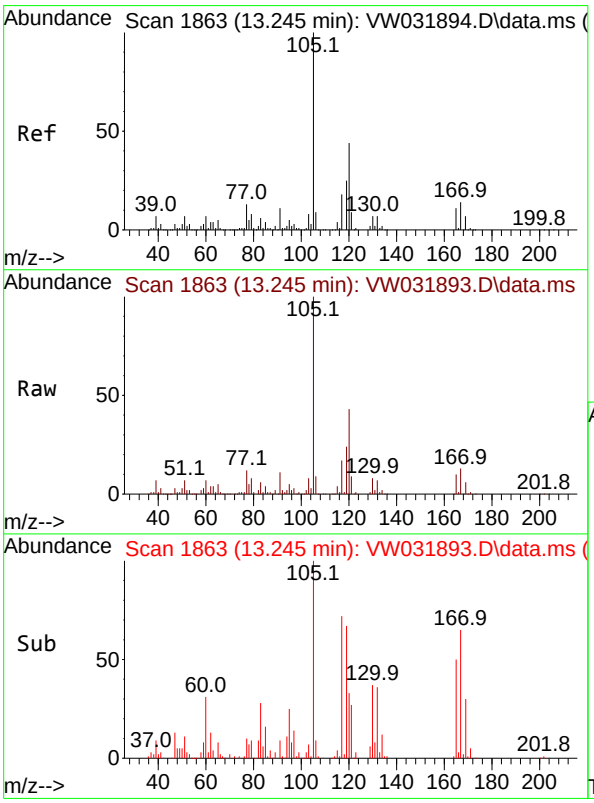
Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.5	106.5
134	24.9	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

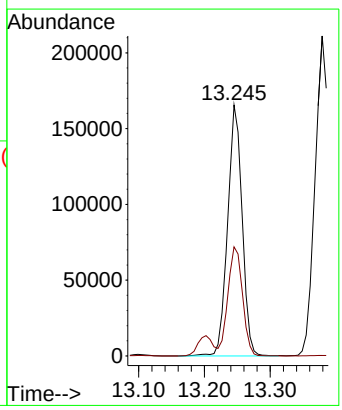
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

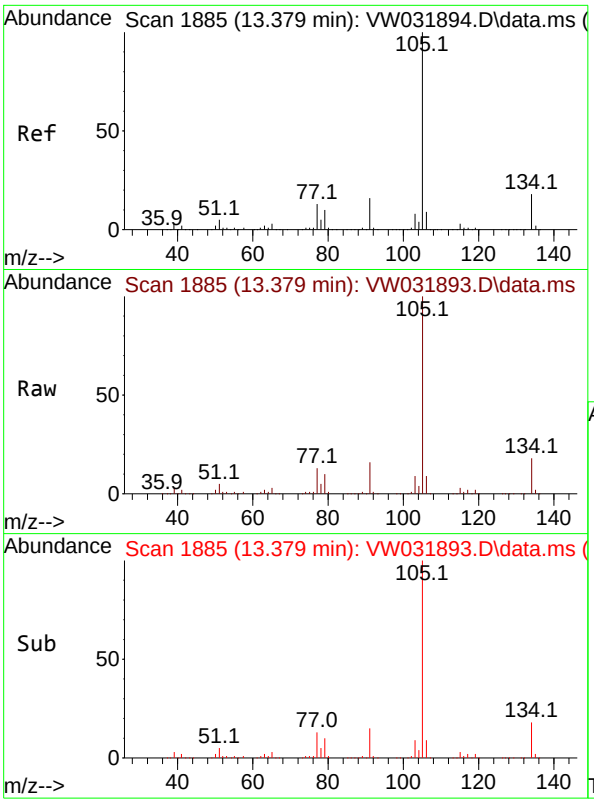


#84
1,2,4-Trimethylbenzene
Concen: 19.830 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 254520

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.3	63.9





#85
sec-Butylbenzene
Concen: 19.782 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

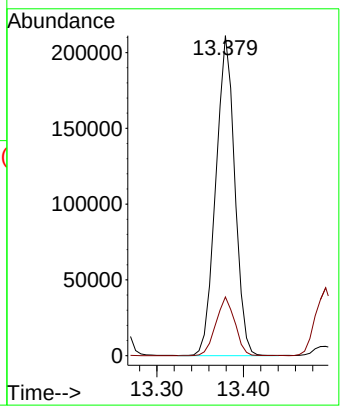
Tgt Ion:105 Resp: 32088

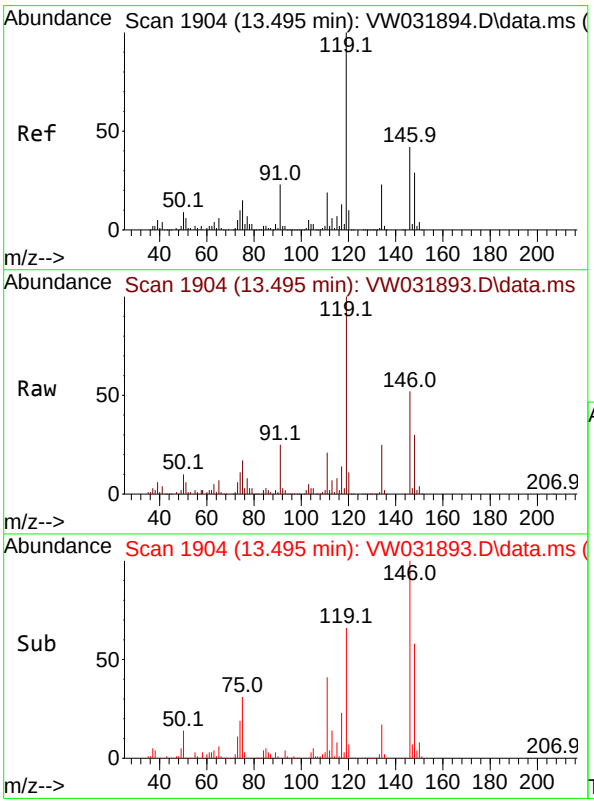
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

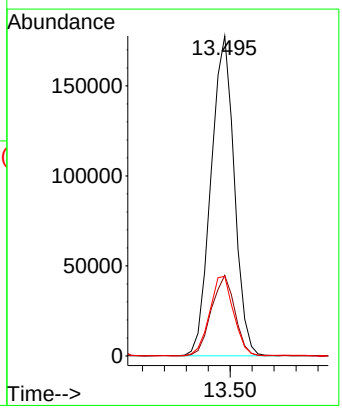


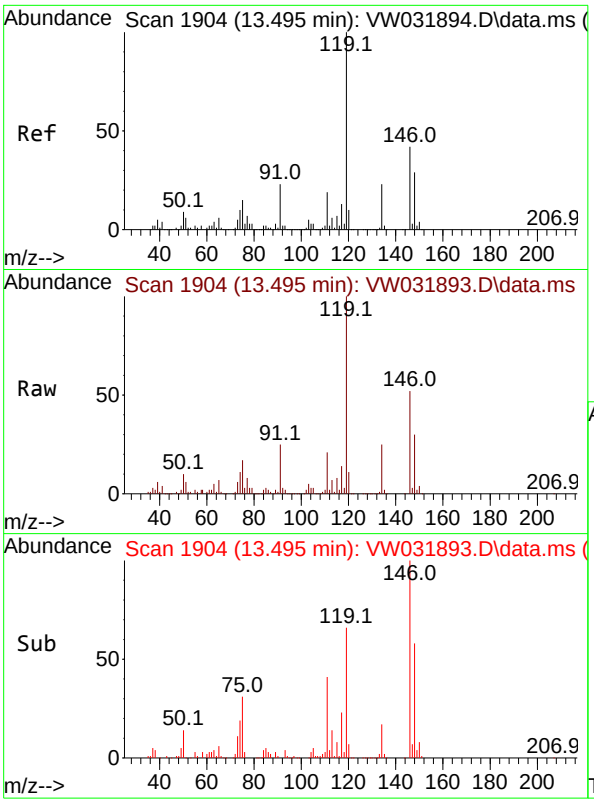


#86
p-Isopropyltoluene
Concen: 19.541 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:119 Resp: 262000

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	25.7	12.7	38.1

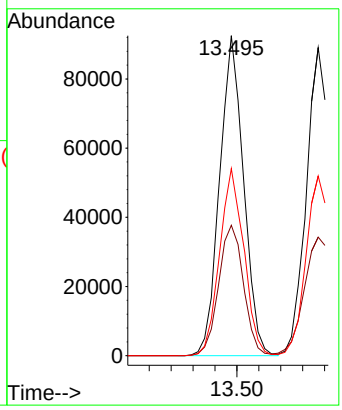




#87
1,3-Dichlorobenzene
Concen: 20.650 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:146 Resp: 14062

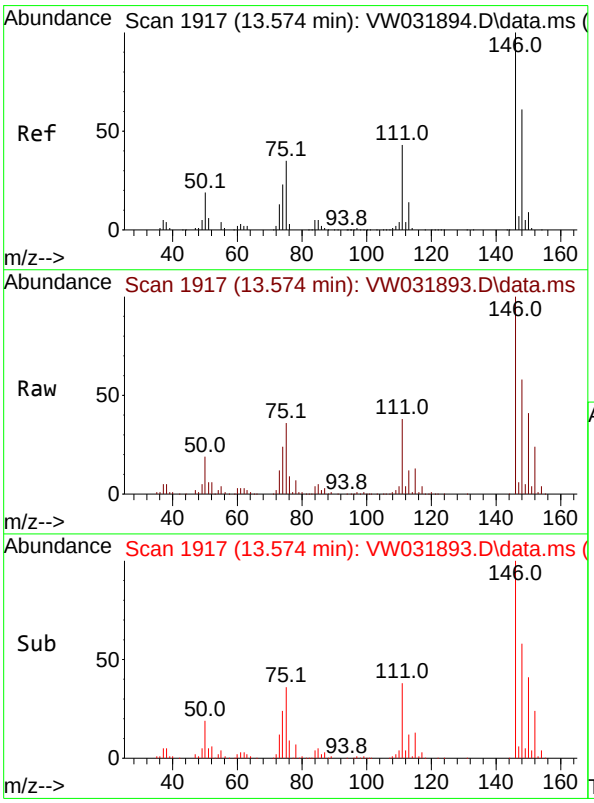
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.7
148	59.1	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

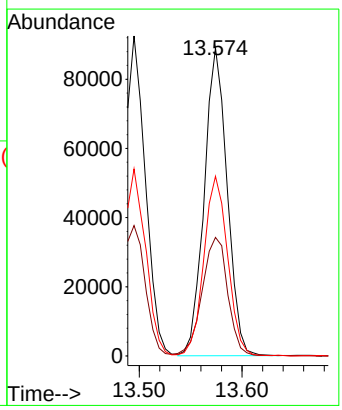
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

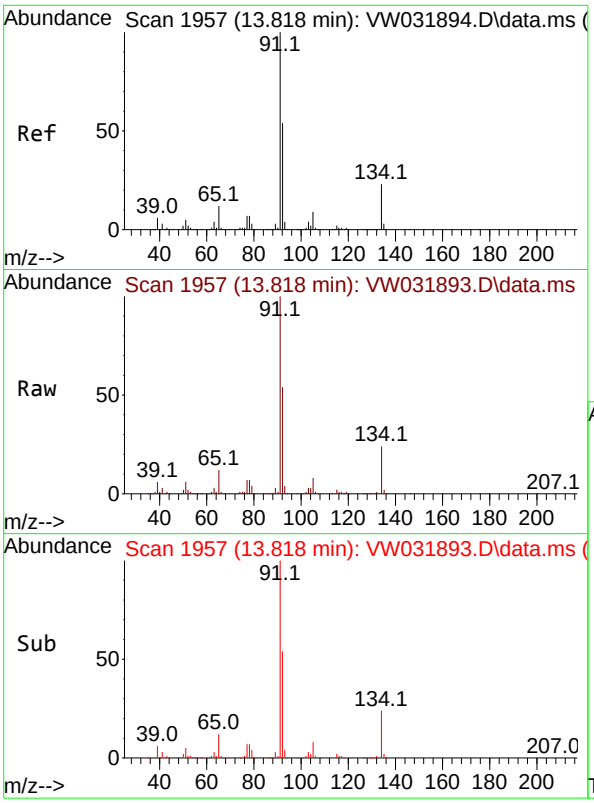


#88
1,4-Dichlorobenzene
Concen: 20.743 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:146 Resp: 138374

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	60.7	31.8	95.3

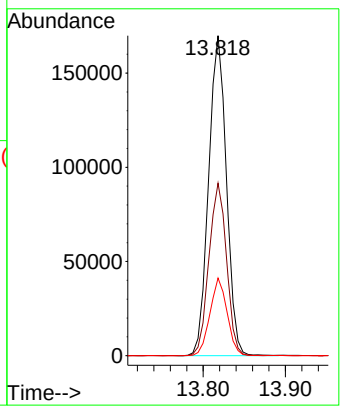




#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 25530

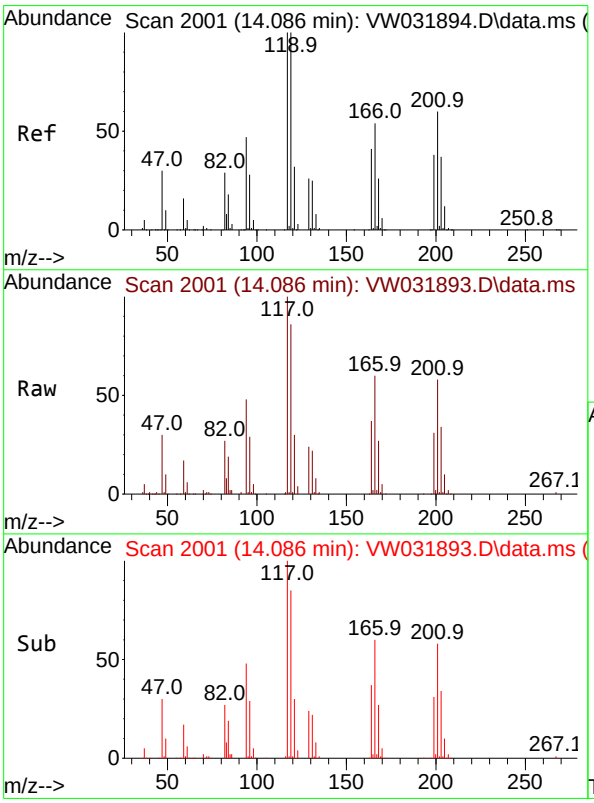
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.5
134	23.4	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

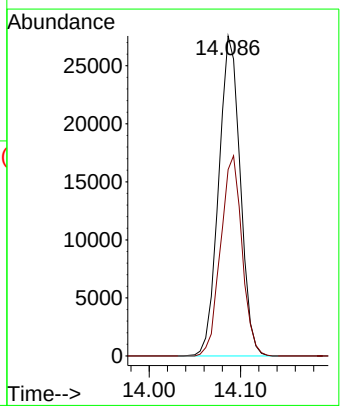
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

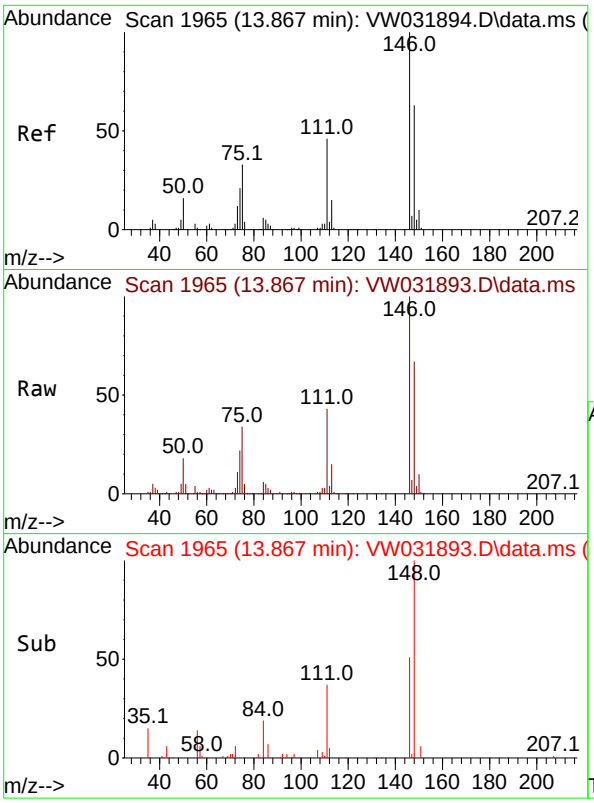


#90
Hexachloroethane
Concen: 19.485 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:117 Resp: 45174

Ion	Ratio	Lower	Upper
117	100		
201	62.3	28.4	85.2

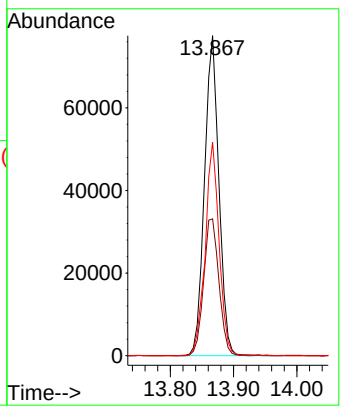




#91
1,2-Dichlorobenzene
Concen: 20.390 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:146 Resp: 12305

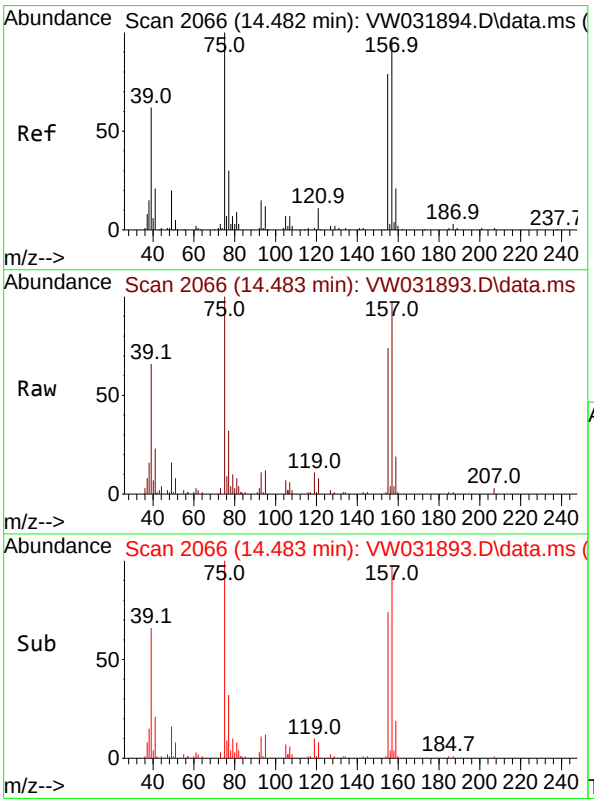
Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.6	71.0
148	64.2	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

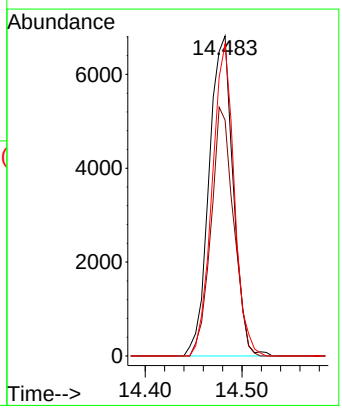
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

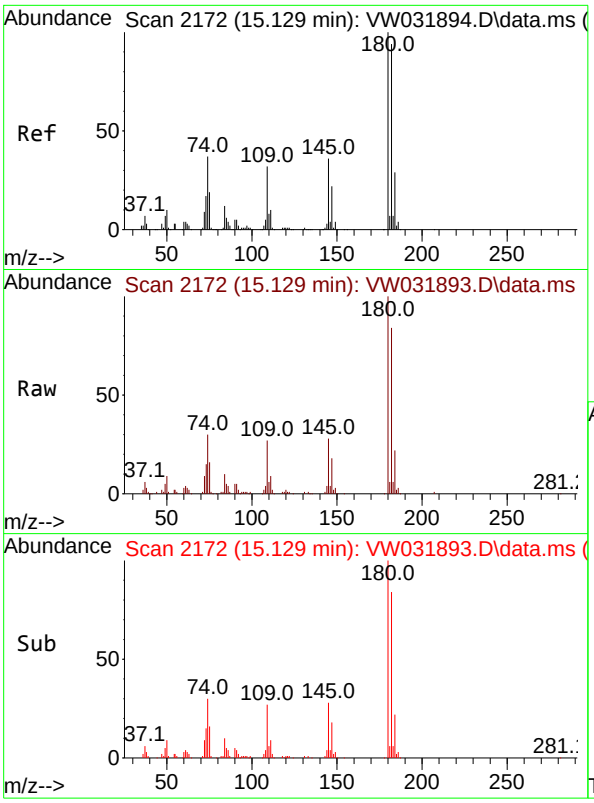


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.355 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 11802

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	89.3	47.4	142.2

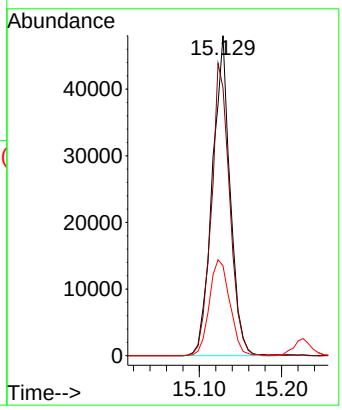




#93
1,2,4-Trichlorobenzene
Concen: 19.842 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:180 Resp: 7221

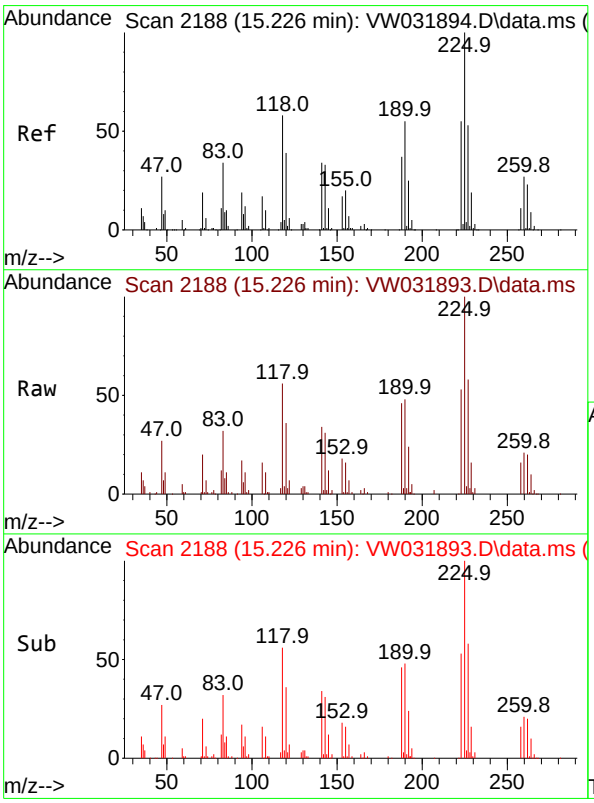
Ion	Ratio	Lower	Upper
180	100		
182	94.3	51.0	153.1
145	34.6	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

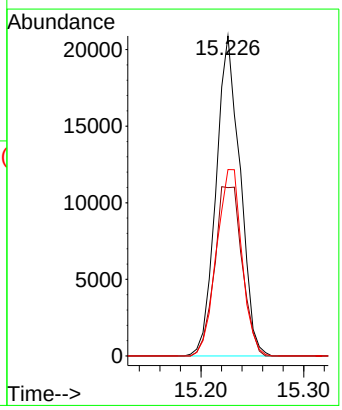
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

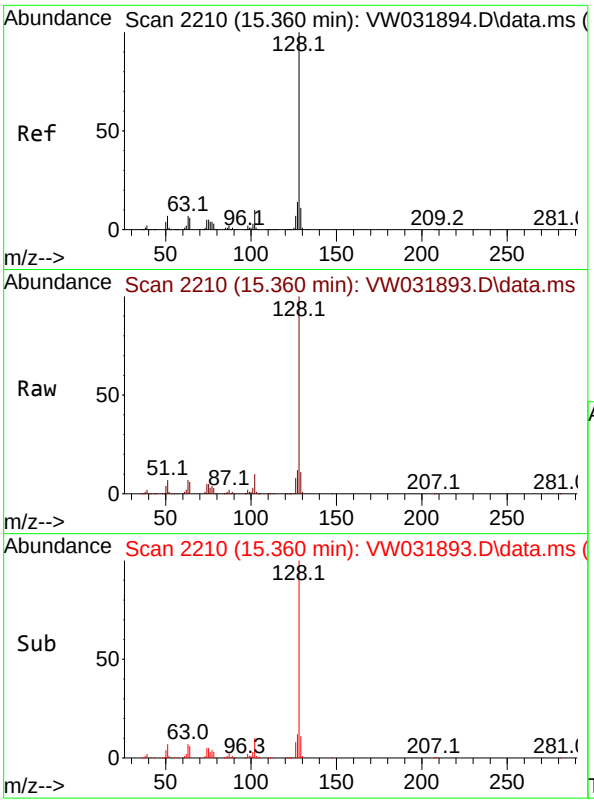


#94
Hexachlorobutadiene
Concen: 19.644 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:225 Resp: 33880

Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.7
227	61.7	30.0	90.1

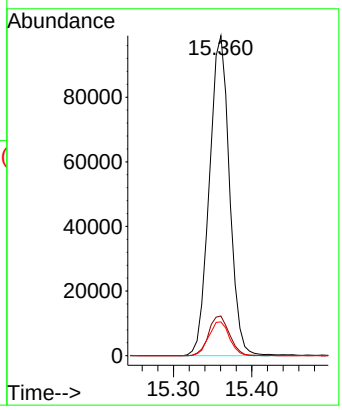




#95
Naphthalene
Concen: 19.736 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:128 Resp: 17659

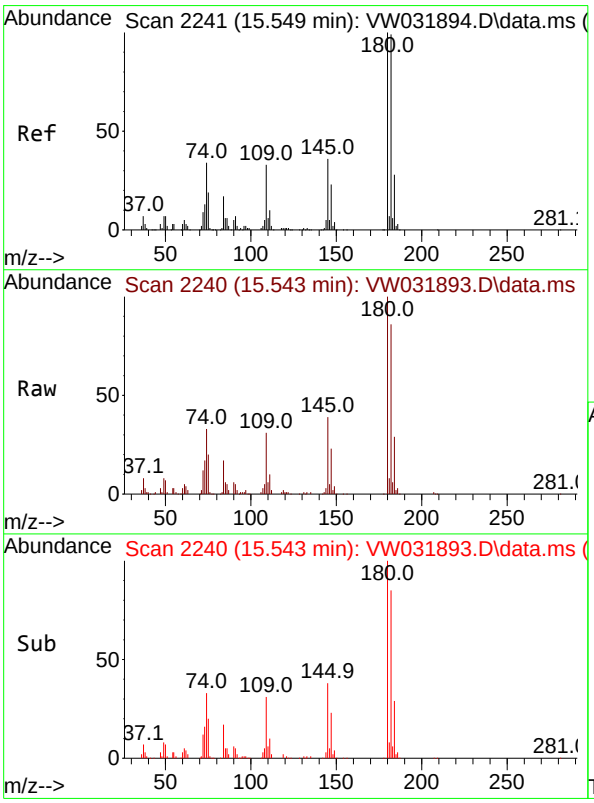
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.8	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

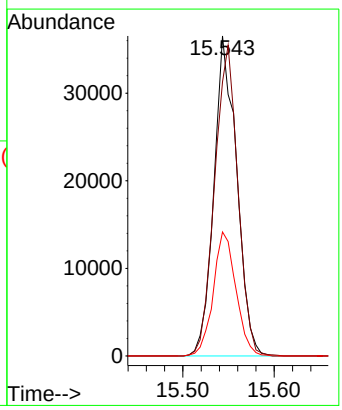
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.173 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:180 Resp: 63227

Ion	Ratio	Lower	Upper
180	100		
182	99.1	50.4	151.2
145	38.6	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	225122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159650	46.880	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 93.760%			
35) Dibromofluoromethane	7.904	113	136603	48.025	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.060%			
50) Toluene-d8	10.325	98	512311	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.617	95	192744	46.629	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	80644	48.198	ug/l	100
3) Chloromethane	2.259	50	97775	45.529	ug/l	100
4) Vinyl Chloride	2.411	62	138448	49.629	ug/l	100
5) Bromomethane	2.832	94	97813	47.615	ug/l	100
6) Chloroethane	2.978	64	88298	47.958	ug/l	100
7) Trichlorofluoromethane	3.314	101	152835	54.091	ug/l	100
8) Diethyl Ether	3.728	74	87596	46.411	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	132678	48.819	ug/l	100
10) Methyl Iodide	4.307	142	194830	47.947	ug/l	100
11) Tert butyl alcohol	5.222	59	48976	244.659	ug/l	100
12) 1,1-Dichloroethene	4.076	96	145251	48.388	ug/l	100
13) Acrolein	3.942	56	59249	217.217	ug/l	100
14) Allyl chloride	4.710	41	227564	48.698	ug/l	100
15) Acrylonitrile	5.405	53	205004	242.948	ug/l	100
16) Acetone	4.167	43	186627	230.941	ug/l	100
17) Carbon Disulfide	4.423	76	381111	48.954	ug/l	100
18) Methyl Acetate	4.716	43	106992	48.056	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	254734	49.114	ug/l	100
20) Methylene Chloride	4.954	84	170144	49.149	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	155488	48.820	ug/l	100
22) Diisopropyl ether	6.344	45	465380	49.771	ug/l	100
23) Vinyl Acetate	6.289	43	1525293	249.686	ug/l	100
24) 1,1-Dichloroethane	6.246	63	284373	48.847	ug/l	100
25) 2-Butanone	7.191	43	266059	240.629	ug/l	100
26) 2,2-Dichloropropane	7.191	77	166236	50.437	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	185527	49.549	ug/l	100
28) Bromochloromethane	7.532	49	118407	48.577	ug/l	100
29) Tetrahydrofuran	7.557	42	179179	247.172	ug/l	100
30) Chloroform	7.691	83	295801	48.459	ug/l	100
31) Cyclohexane	7.971	56	247509	47.389	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	227418	48.961	ug/l	100
36) 1,1-Dichloropropene	8.099	75	213142	48.794	ug/l	100
37) Ethyl Acetate	7.276	43	123663	49.627	ug/l	100
38) Carbon Tetrachloride	8.081	117	206216	49.190	ug/l	100
39) Methylcyclohexane	9.343	83	274858	50.000	ug/l	100
40) Benzene	8.337	78	636145	49.197	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	75019	51.112	ug/l		100
42) 1,2-Dichloroethane	8.416	62	200964	48.561	ug/l		100
43) Isopropyl Acetate	8.435	43	222170	49.250	ug/l		100
44) Trichloroethene	9.105	130	151736	49.368	ug/l		100
45) 1,2-Dichloropropane	9.374	63	150788	48.420	ug/l		100
46) Dibromomethane	9.465	93	94479	48.942	ug/l		100
47) Bromodichloromethane	9.648	83	223852	48.359	ug/l		100
48) Methyl methacrylate	9.441	41	107066	49.887	ug/l		100
49) 1,4-Dioxane	9.465	88	21855	1134.591	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	617526	250.133	ug/l		100
52) Toluene	10.392	92	409807	49.301	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	218411	49.187	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	251812	49.658	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	125532	48.955	ug/l		100
56) Ethyl methacrylate	10.648	69	184989	51.081	ug/l		100
57) 1,3-Dichloropropane	10.934	76	223219	49.412	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	466986	251.042	ug/l		100
59) 2-Hexanone	10.971	43	430358	250.784	ug/l		100
60) Dibromochloromethane	11.135	129	147041	49.183	ug/l		100
61) 1,2-Dibromoethane	11.233	107	124264	49.043	ug/l		100
64) Tetrachloroethene	10.867	164	116190	49.172	ug/l		100
65) Chlorobenzene	11.660	112	445905	50.836	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	135280	49.749	ug/l		100
67) Ethyl Benzene	11.733	91	797666	51.758	ug/l		100
68) m/p-Xylenes	11.836	106	590027	101.698	ug/l		100
69) o-Xylene	12.166	106	285328	51.967	ug/l		100
70) Styrene	12.178	104	487647	52.165	ug/l		100
71) Bromoform	12.349	173	78409	52.724	ug/l	#	100
73) Isopropylbenzene	12.464	105	743506	50.771	ug/l		100
74) N-amyl acetate	12.269	43	201296	50.845	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	154182	49.601	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	116529m	50.431	ug/l		
77) Bromobenzene	12.745	156	153362	48.402	ug/l		100
78) n-propylbenzene	12.800	91	899940	50.036	ug/l		100
79) 2-Chlorotoluene	12.891	91	528504	49.215	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	606401	49.373	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	50710	50.242	ug/l		100
82) 4-Chlorotoluene	12.983	91	553292	49.113	ug/l		100
83) tert-Butylbenzene	13.202	119	519792	49.685	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	621979	50.033	ug/l		100
85) sec-Butylbenzene	13.379	105	779564	49.619	ug/l		100
86) p-Isopropyltoluene	13.495	119	648382	49.930	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	322462	48.890	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	307895	47.653	ug/l		100
89) n-Butylbenzene	13.818	91	645926	50.705	ug/l		100
90) Hexachloroethane	14.086	117	108580	48.355	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	283107	48.433	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27088	48.235	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	166119	47.124	ug/l		100
94) Hexachlorobutadiene	15.226	225	82516	49.399	ug/l		100
95) Naphthalene	15.360	128	427849	49.367	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	157823	49.413	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

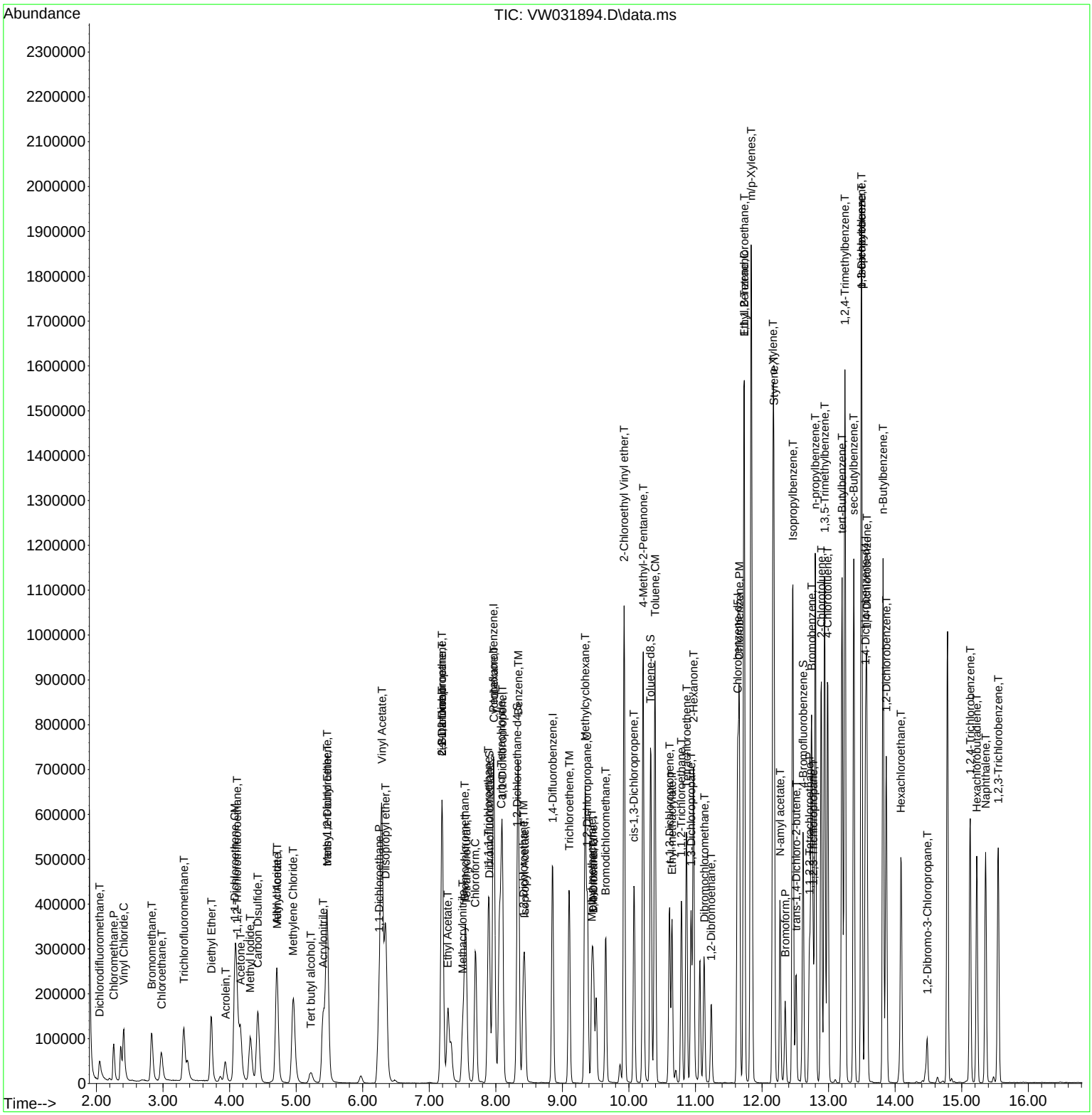
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Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

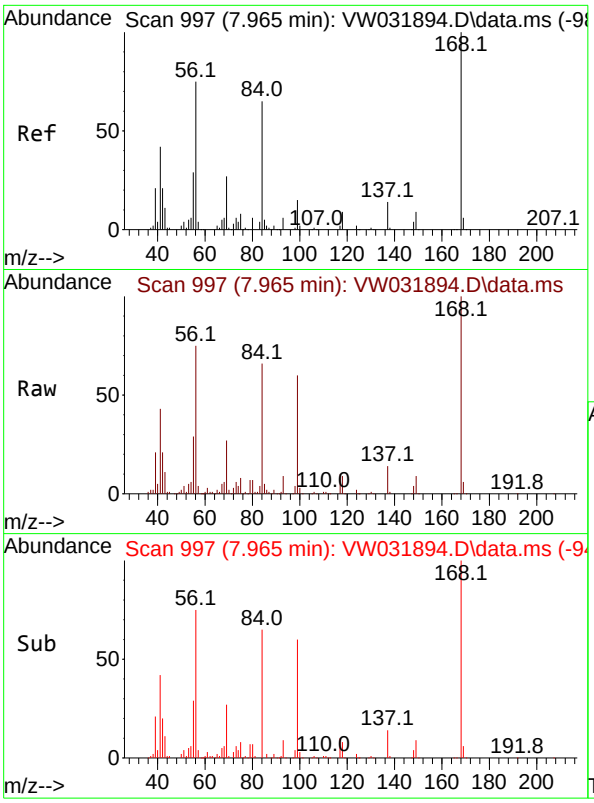
Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

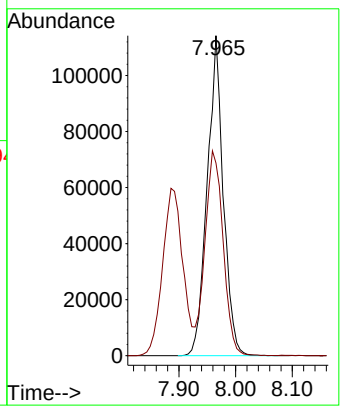




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:168 Resp: 22512

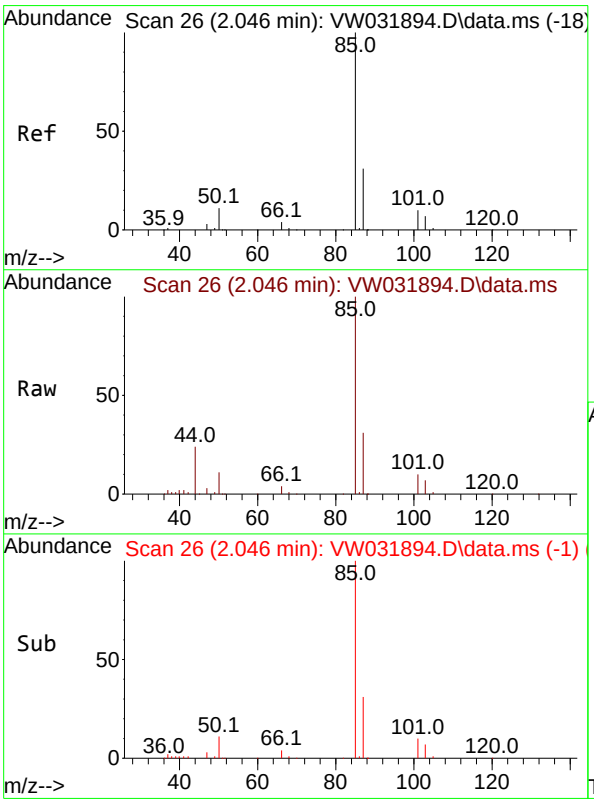
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

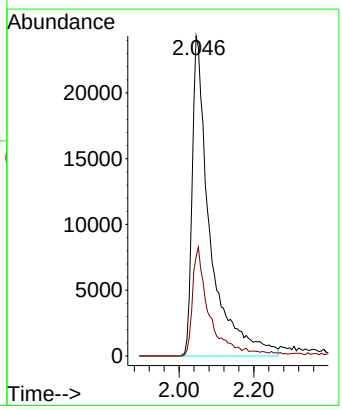
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

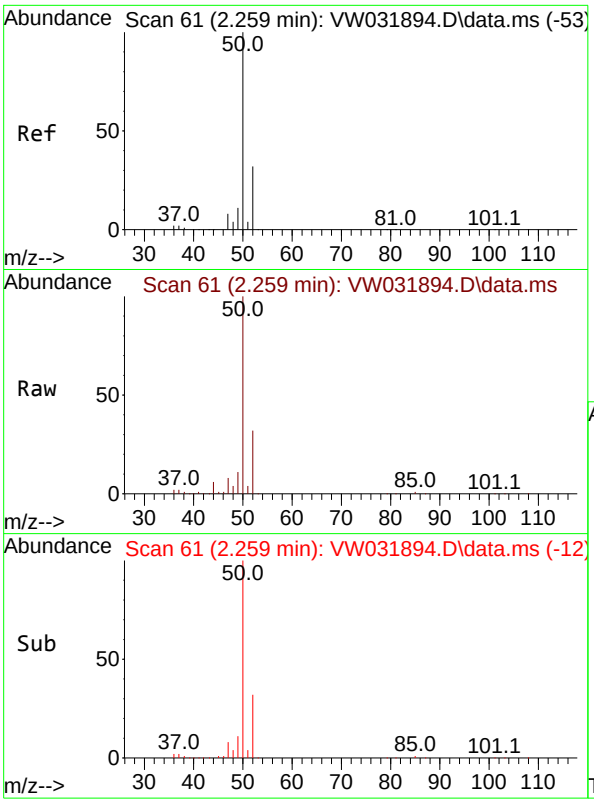


#2
Dichlorodifluoromethane
Concen: 48.198 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 85 Resp: 80644

Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.5	46.5

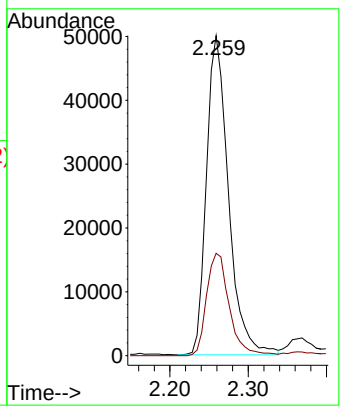




#3
Chloromethane
Concen: 45.529 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 50 Resp: 9777

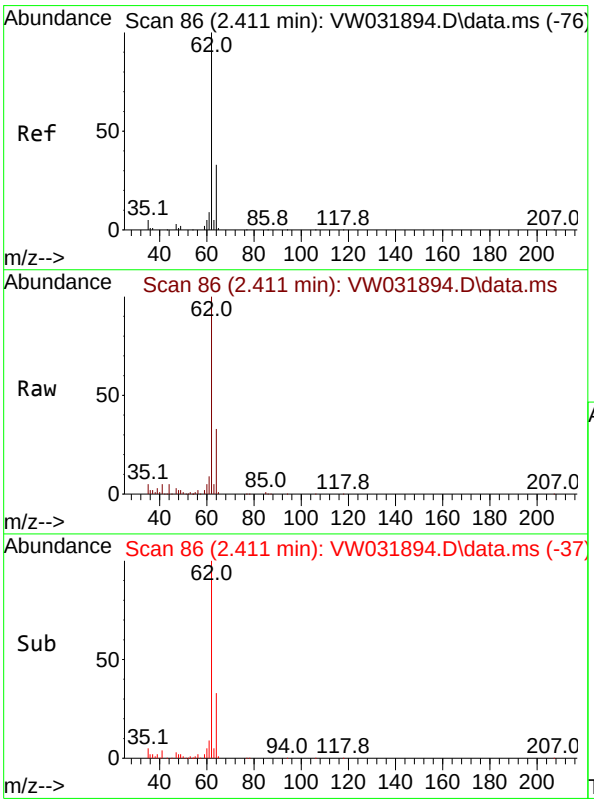
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

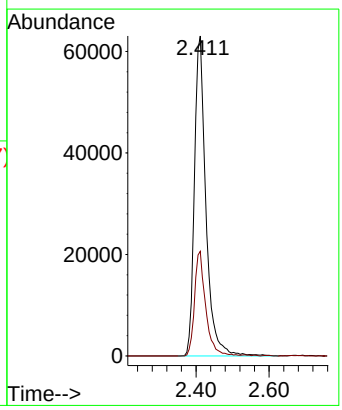
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

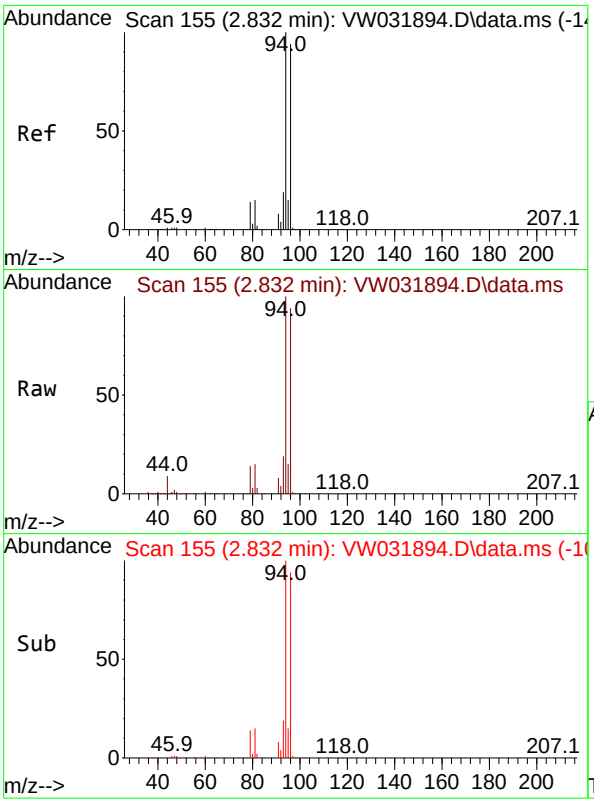


#4
Vinyl Chloride
Concen: 49.629 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 62 Resp: 138448

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.2

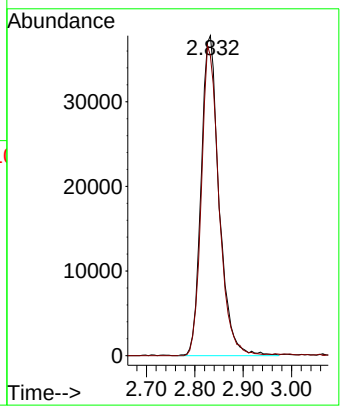




#5
Bromomethane
Concen: 47.615 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 94 Resp: 9781

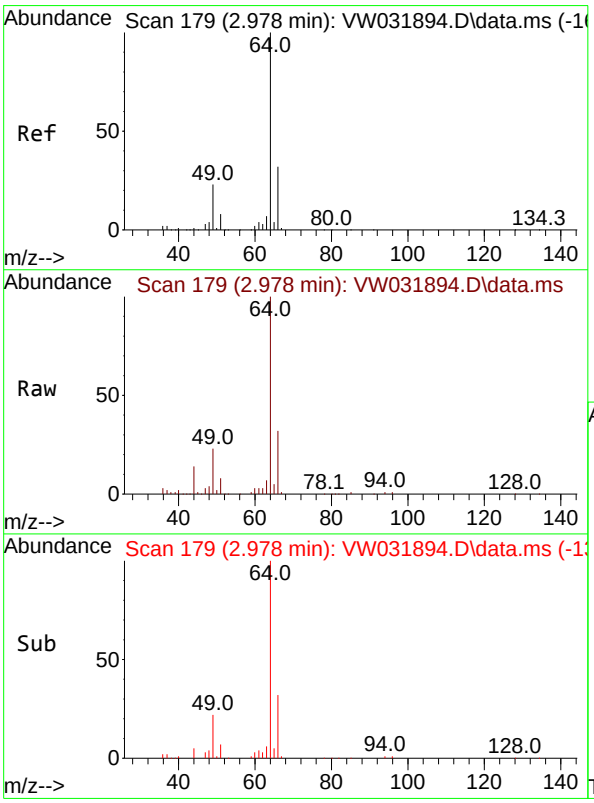
Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

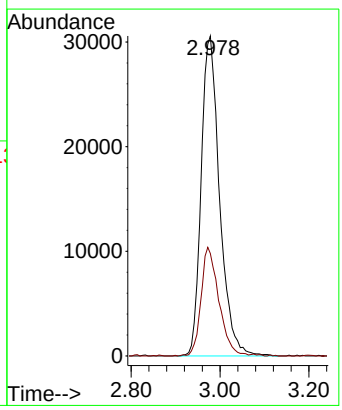
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

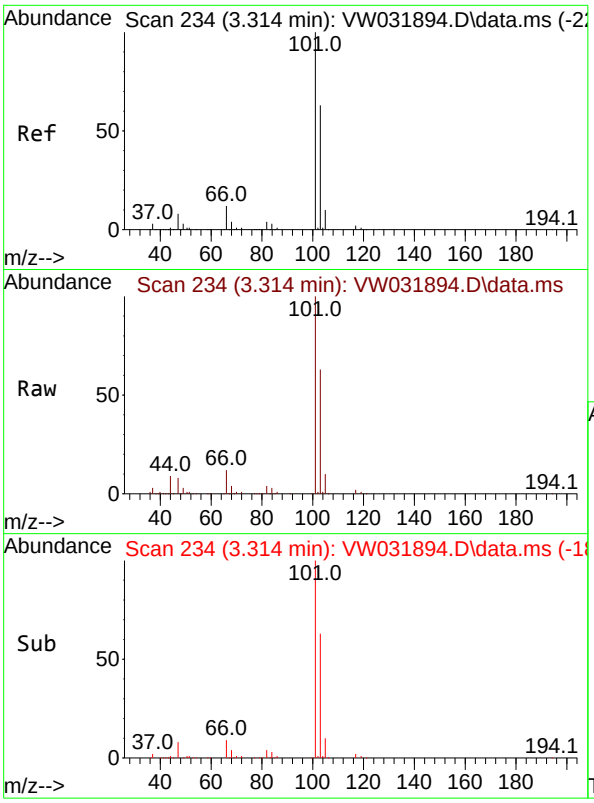


#6
Chloroethane
Concen: 47.958 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 64 Resp: 88298

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4

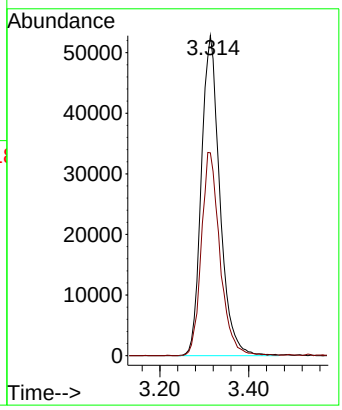




#7
Trichlorofluoromethane
Concen: 54.091 ug/l
RT: 3.314 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:101 Resp: 15283

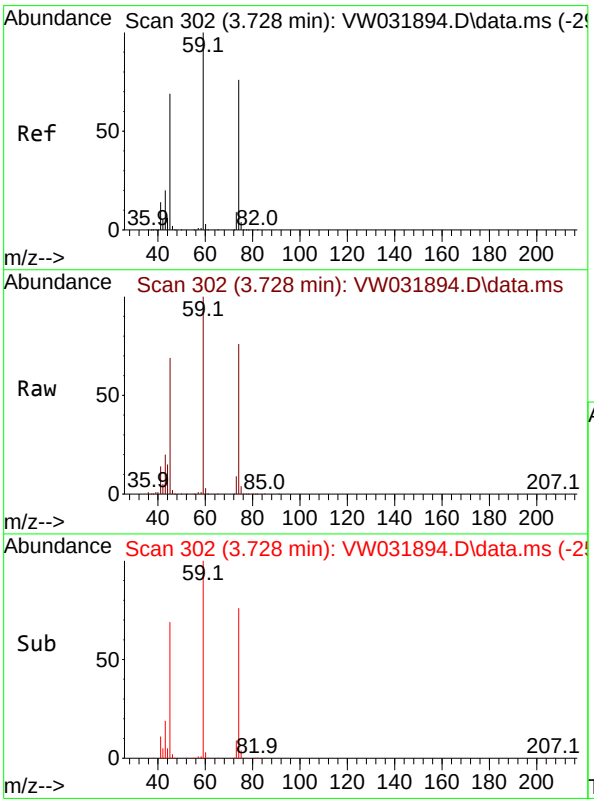
Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

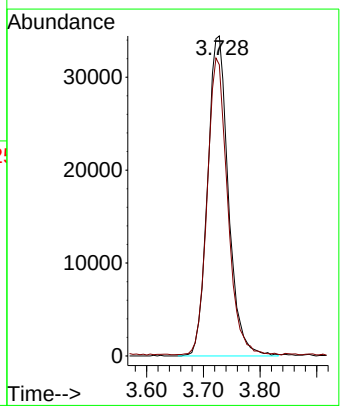
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

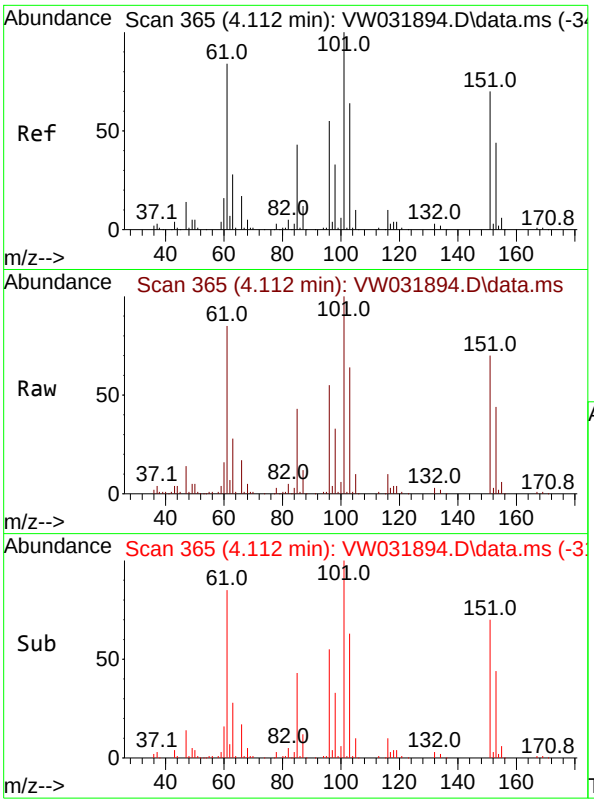


#8
Diethyl Ether
Concen: 46.411 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 74 Resp: 87596

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.819 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

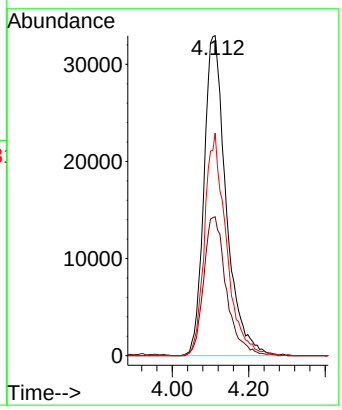
Tgt Ion:101 Resp: 13267

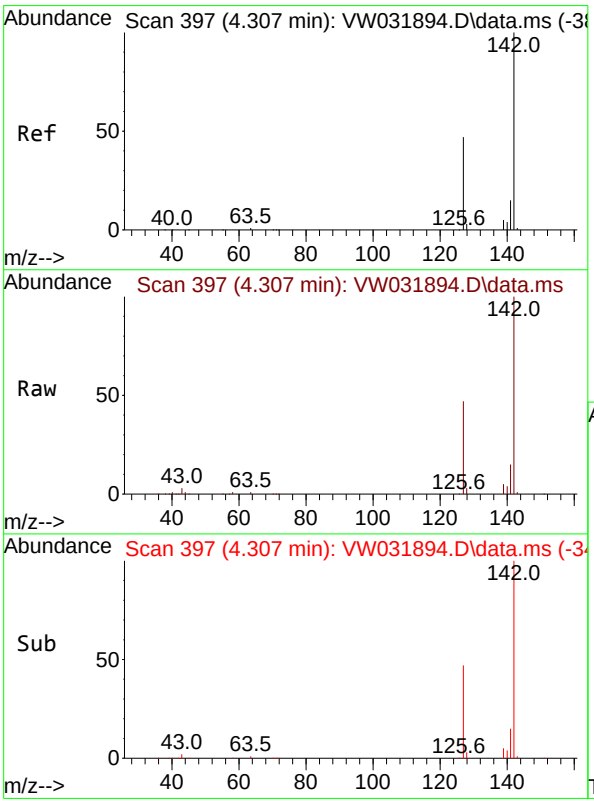
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	68.2	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

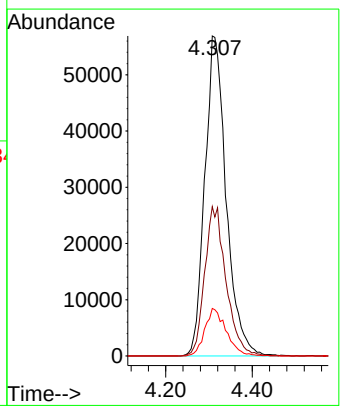


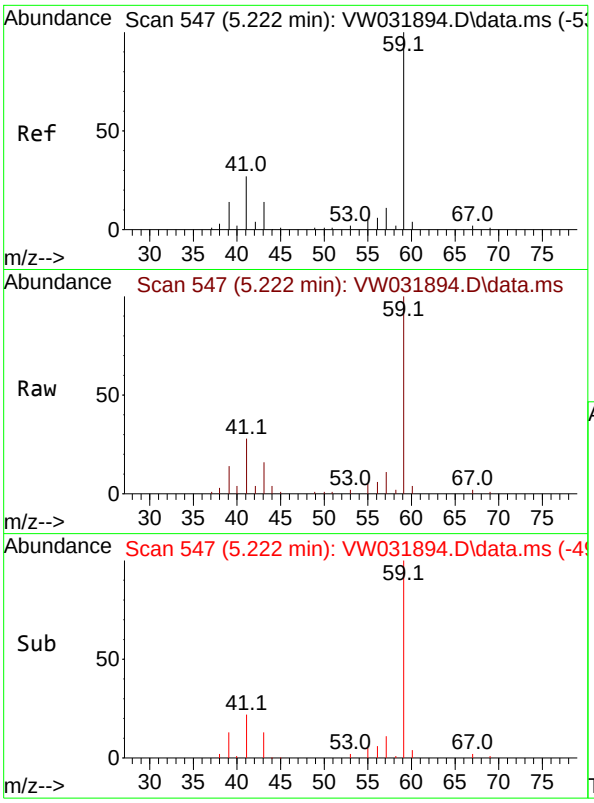


#10
Methyl Iodide
Concen: 47.947 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:142 Resp: 194830

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.4	56.2
141	14.9	11.9	17.9

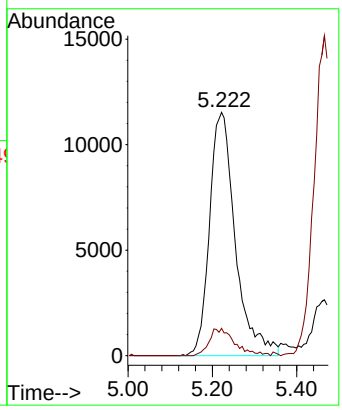




#11
Tert butyl alcohol
Concen: 244.659 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 59 Resp: 4897(

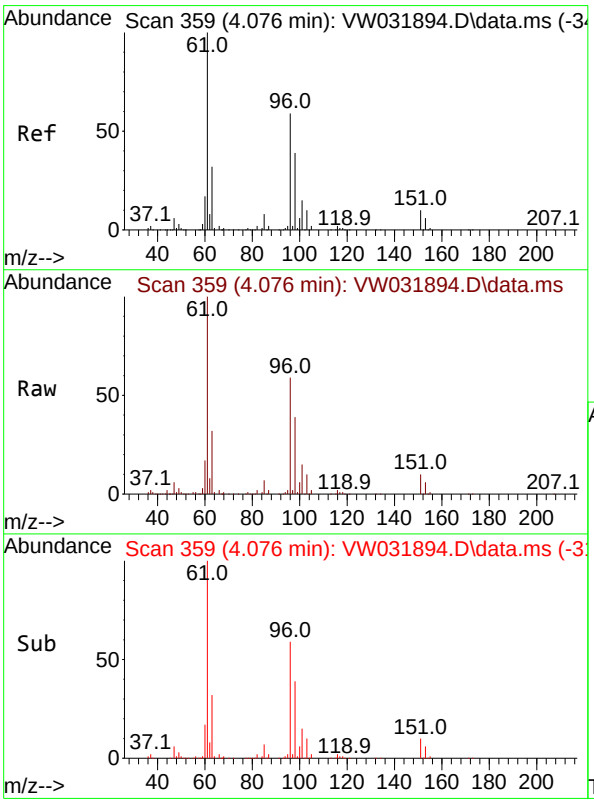
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

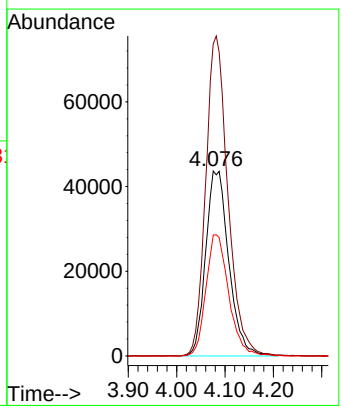
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

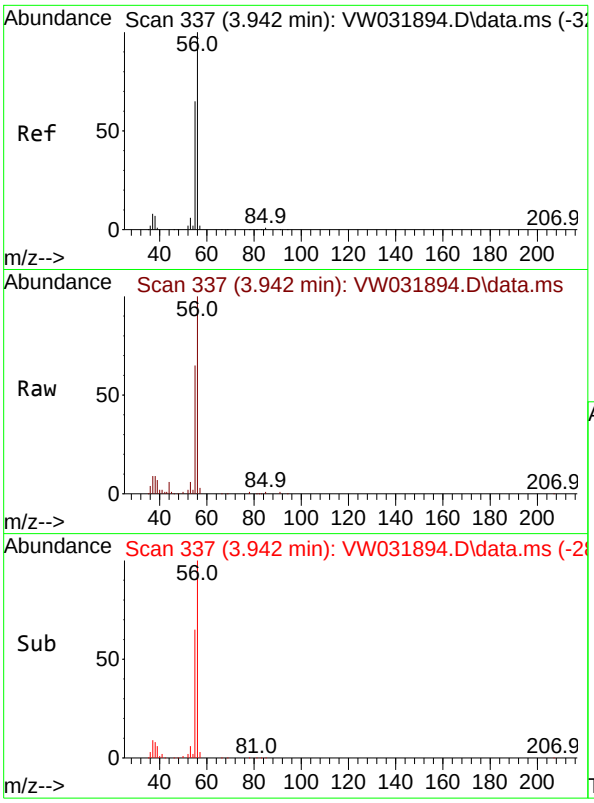


#12
1,1-Dichloroethene
Concen: 48.388 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 96 Resp: 145251

Ion	Ratio	Lower	Upper
96	100		
61	168.8	135.0	202.6
98	65.4	52.3	78.5

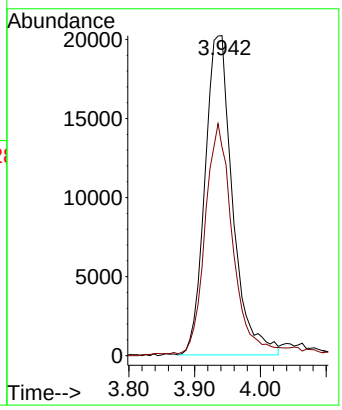




#13
Acrolein
Concen: 217.217 ug/l
RT: 3.942 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 56 Resp: 5924

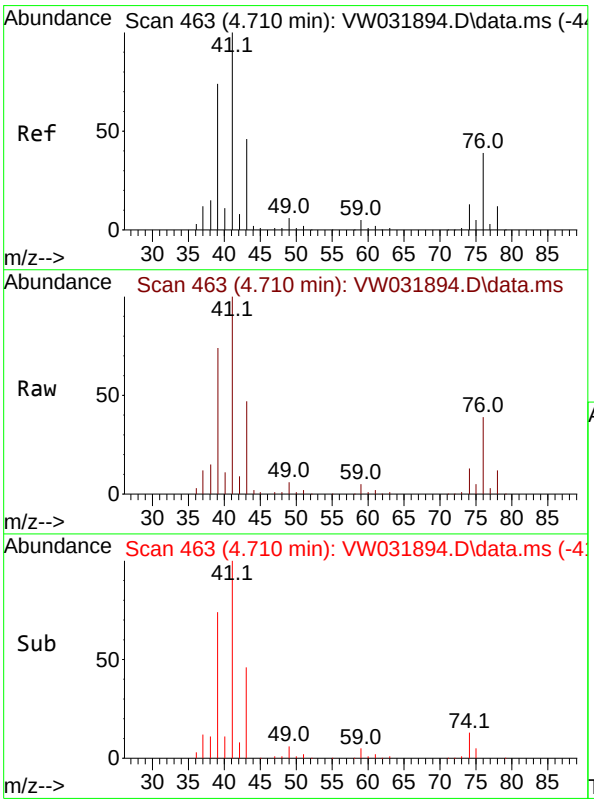
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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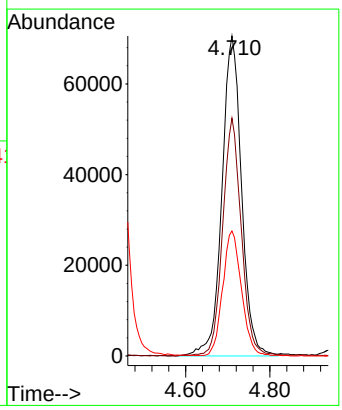
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

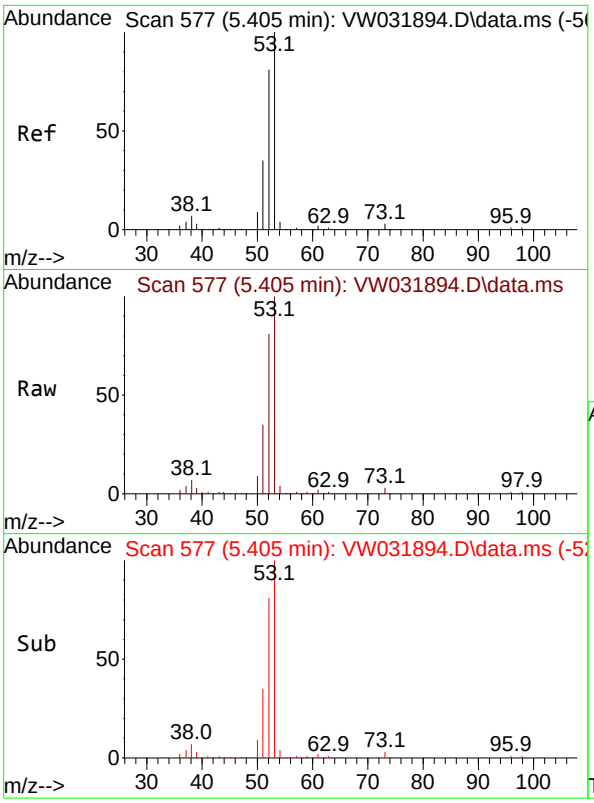


#14
Allyl chloride
Concen: 48.698 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 41 Resp: 227564

Ion	Ratio	Lower	Upper
41	100		
39	70.8	56.6	85.0
76	37.6	30.1	45.1

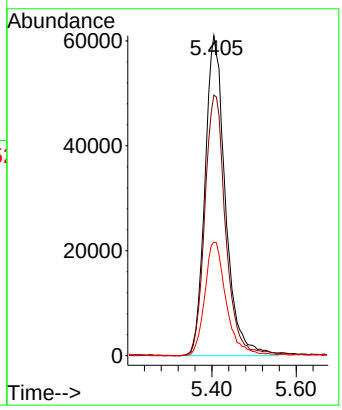




#15
Acrylonitrile
Concen: 242.948 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 53 Resp: 20500

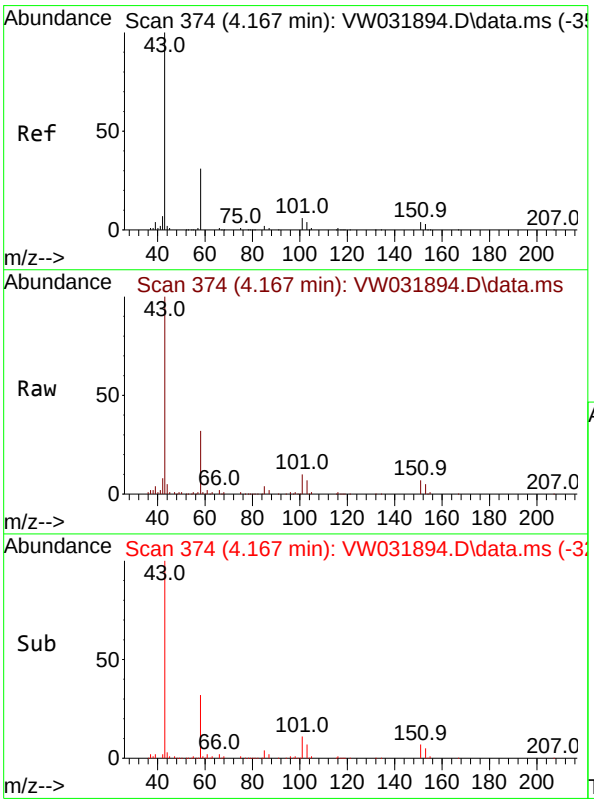
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.0	100.4
51	37.4	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

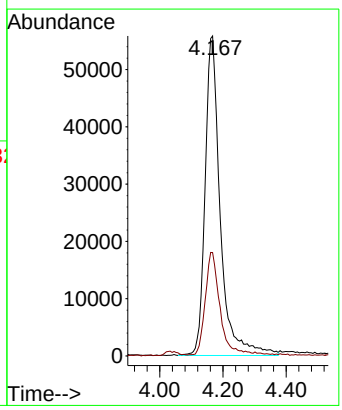
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

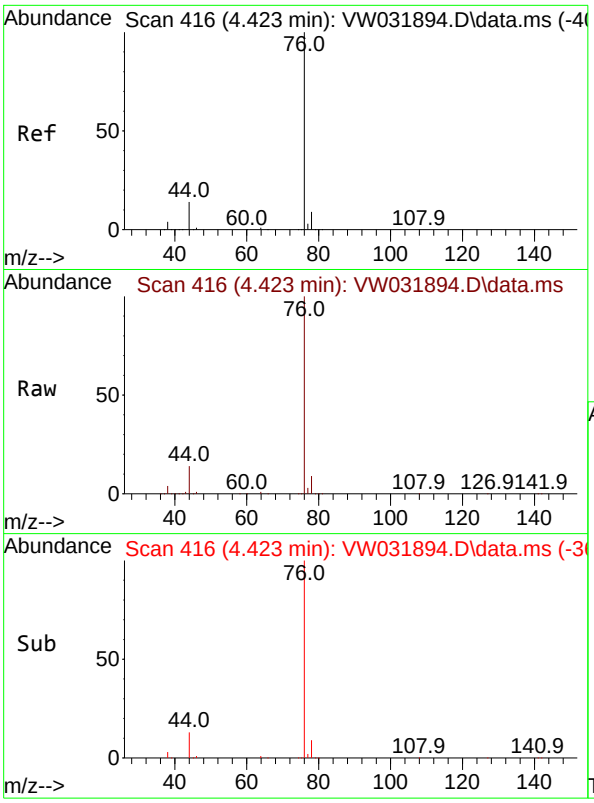


#16
Acetone
Concen: 230.941 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 186627

Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.5	38.3





#17
Carbon Disulfide
Concen: 48.954 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

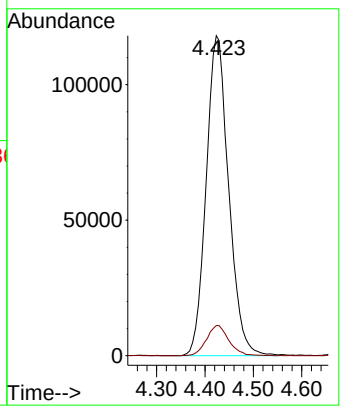
Tgt Ion: 76 Resp: 38111

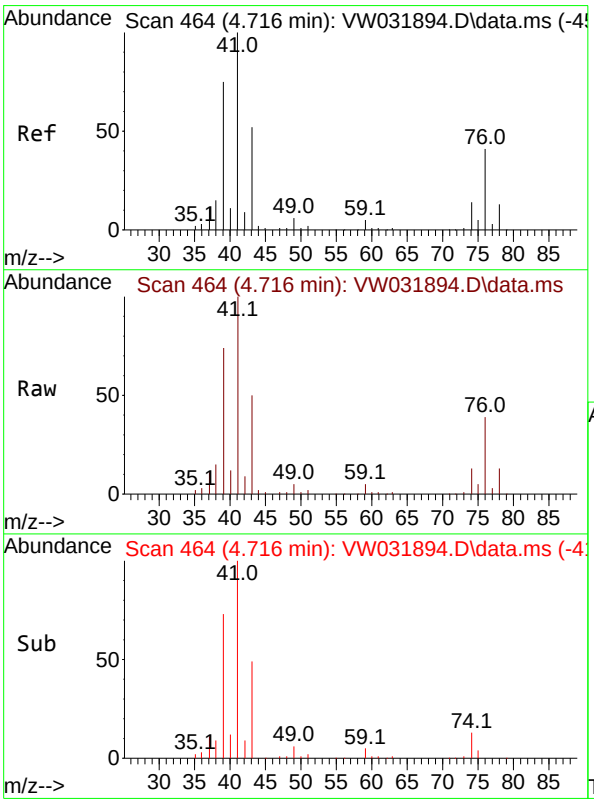
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

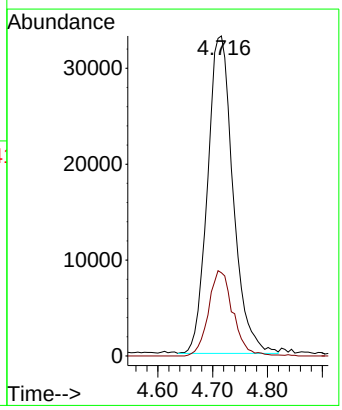


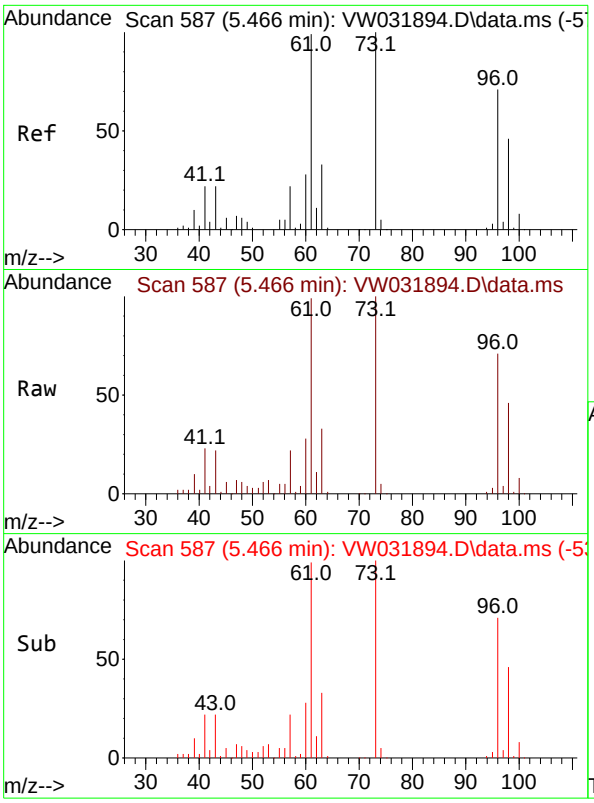


#18
Methyl Acetate
Concen: 48.056 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 106992

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.6	31.0

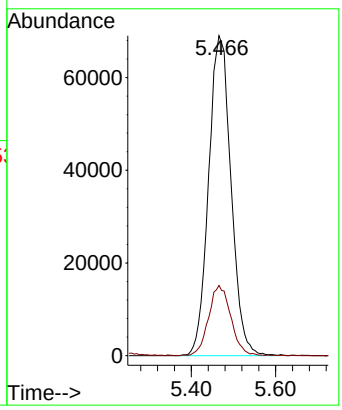




#19
Methyl tert-butyl Ether
Concen: 49.114 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 73 Resp: 25473

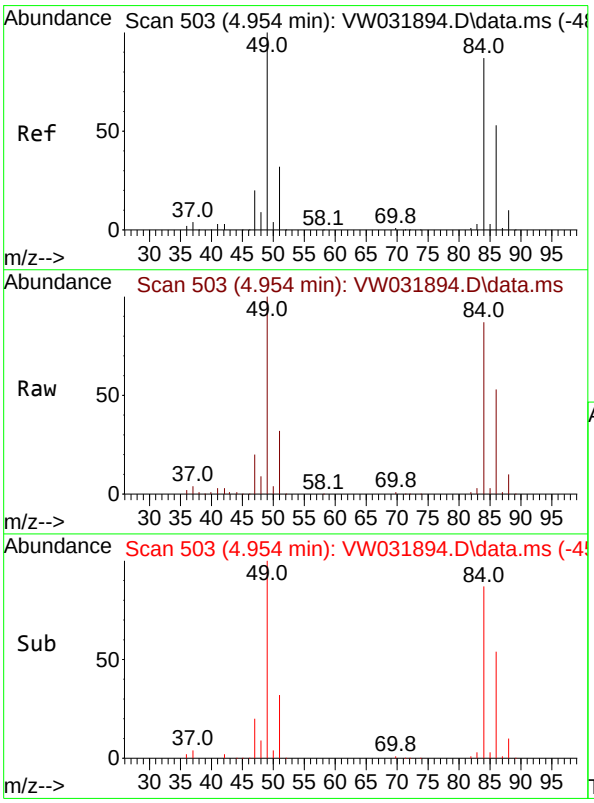
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

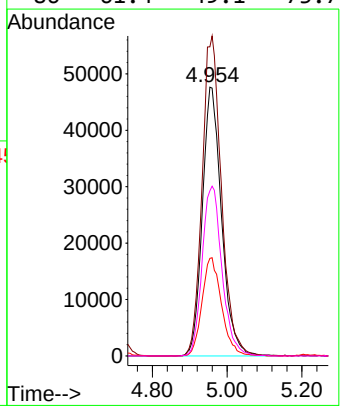
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

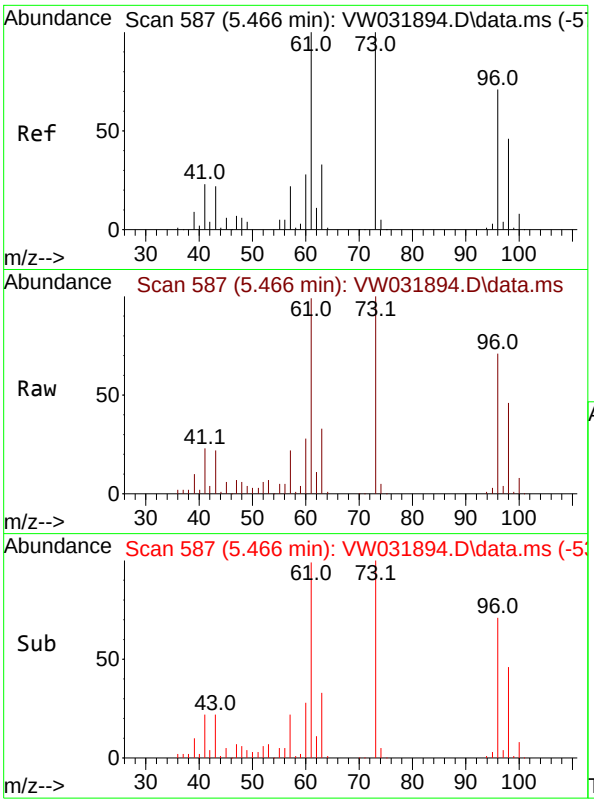


#20
Methylene Chloride
Concen: 49.149 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 84 Resp: 170144

Ion	Ratio	Lower	Upper
84	100		
49	114.9	91.9	137.9
51	36.3	29.0	43.6
86	61.4	49.1	73.7

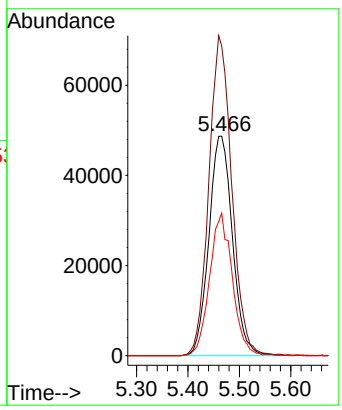




#21
trans-1,2-Dichloroethene
Concen: 48.820 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 96 Resp: 15548

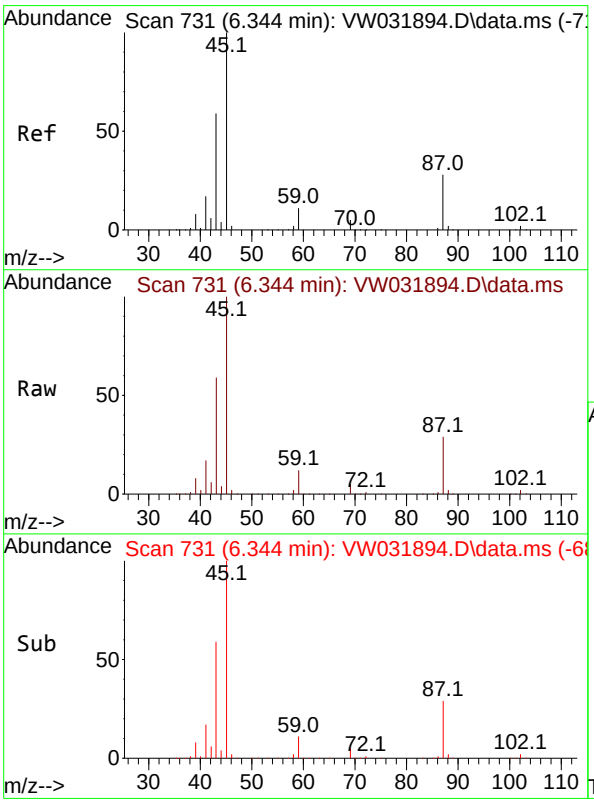
Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.8	169.2
98	64.9	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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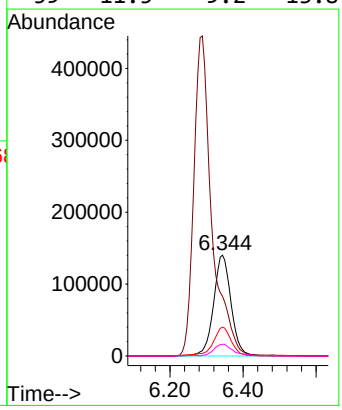
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

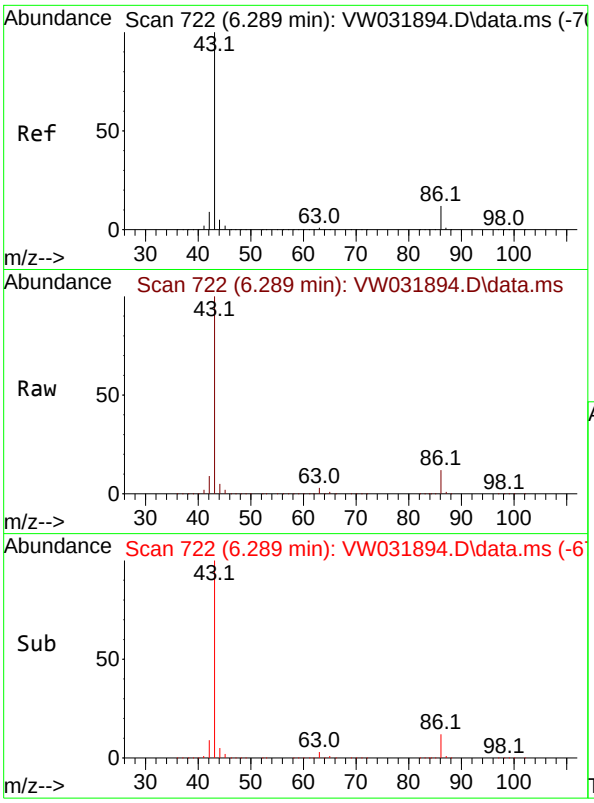


#22
Diisopropyl ether
Concen: 49.771 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 45 Resp: 465380

Ion	Ratio	Lower	Upper
45	100		
43	58.8	47.0	70.6
87	28.5	22.8	34.2
59	11.5	9.2	13.8





#23
Vinyl Acetate
Concen: 249.686 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

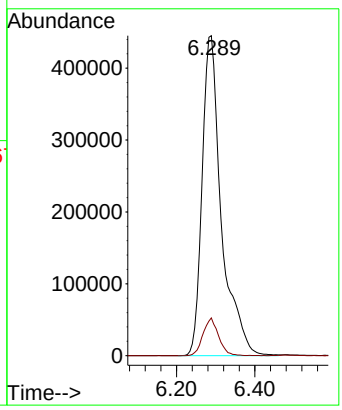
Tgt Ion: 43 Resp: 152529

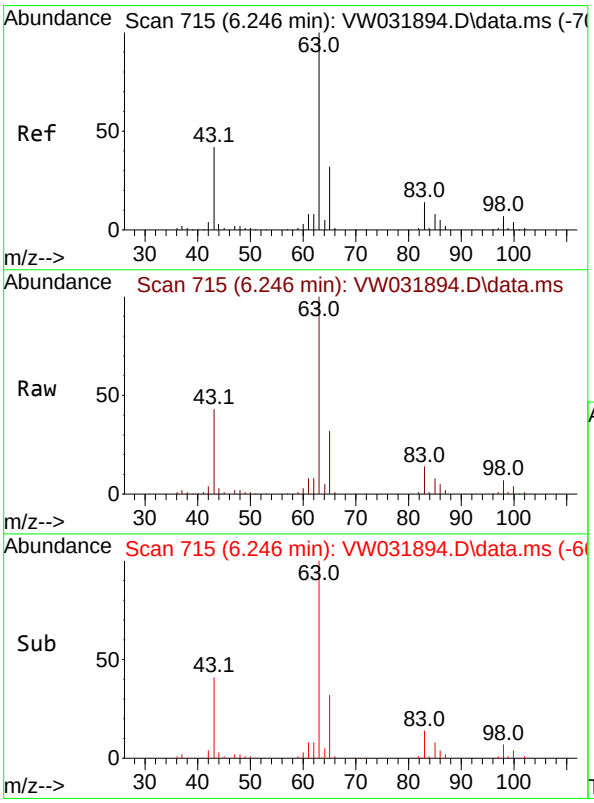
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

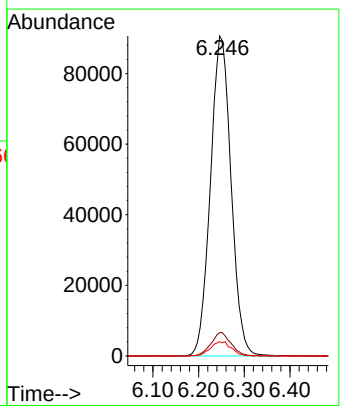


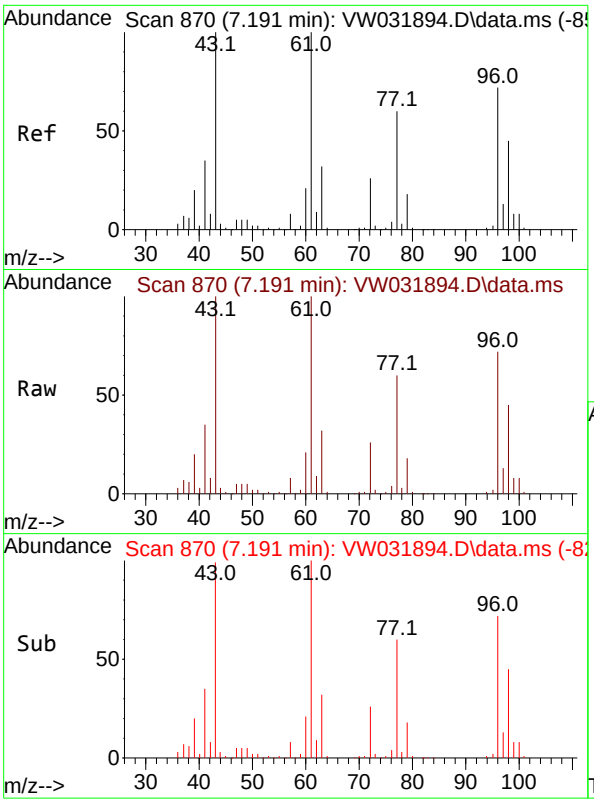


#24
1,1-Dichloroethane
Concen: 48.847 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 63 Resp: 284373

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	4.4	2.2	6.6

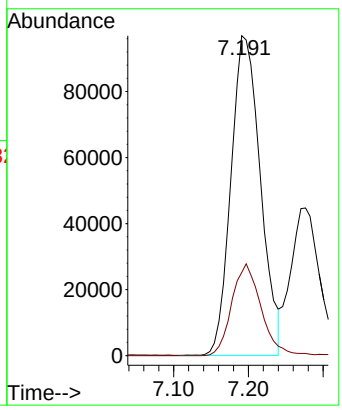




#25
2-Butanone
Concen: 240.629 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 26605

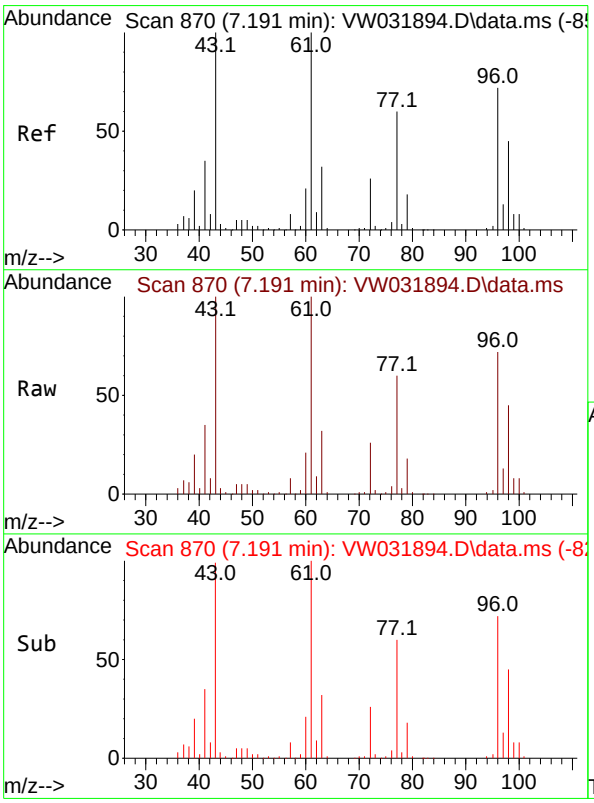
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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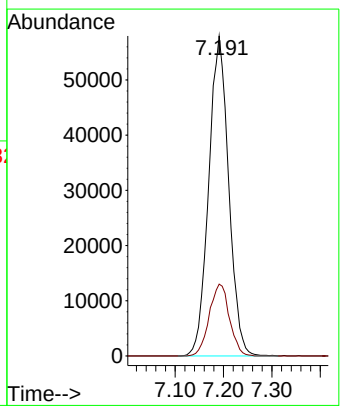
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

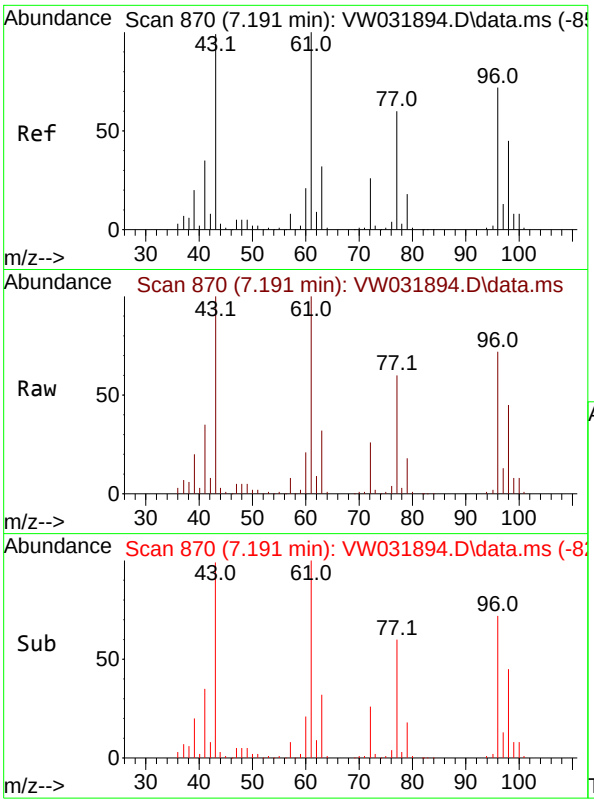


#26
2,2-Dichloropropane
Concen: 50.437 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 77 Resp: 166236

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 49.549 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

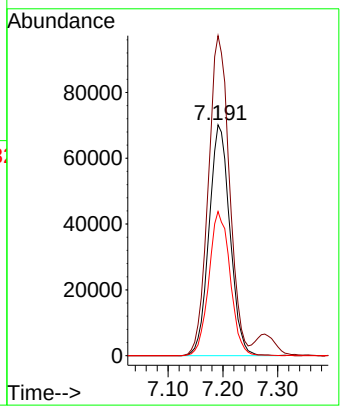
Tgt Ion: 96 Resp: 18552

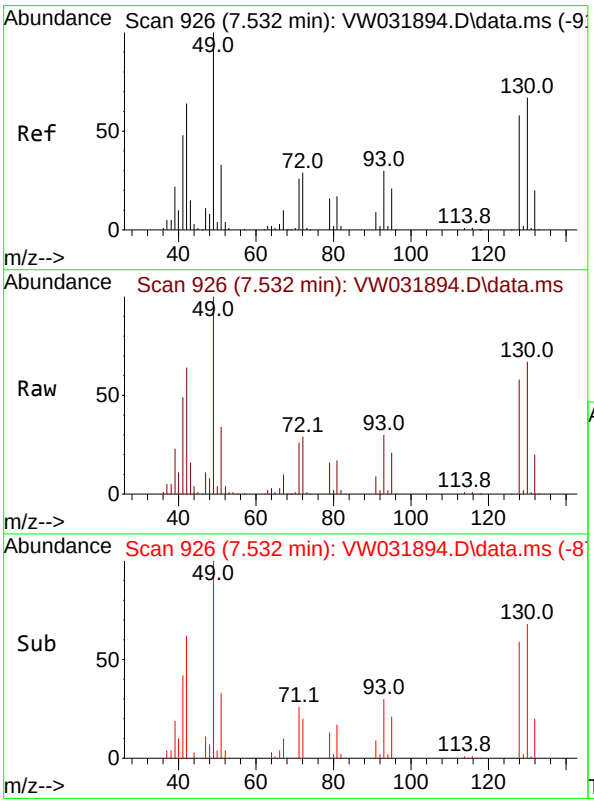
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	280.2
98	63.4	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

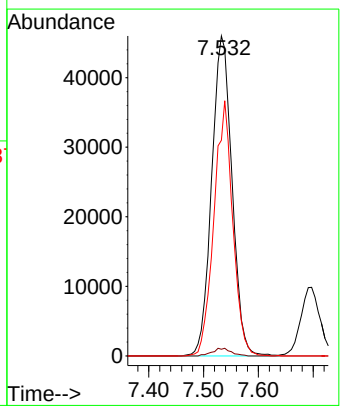


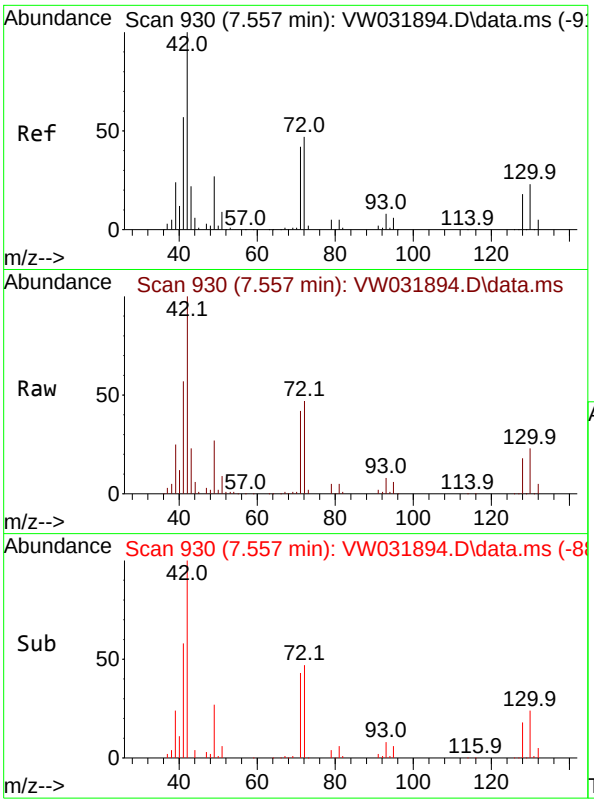


#28
Bromochloromethane
Concen: 48.577 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 49 Resp: 118407

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	73.7	59.0	88.4

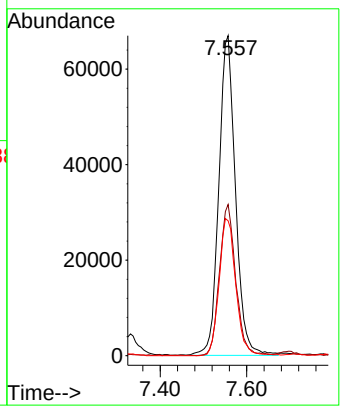




#29
Tetrahydrofuran
Concen: 247.172 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 42 Resp: 17917

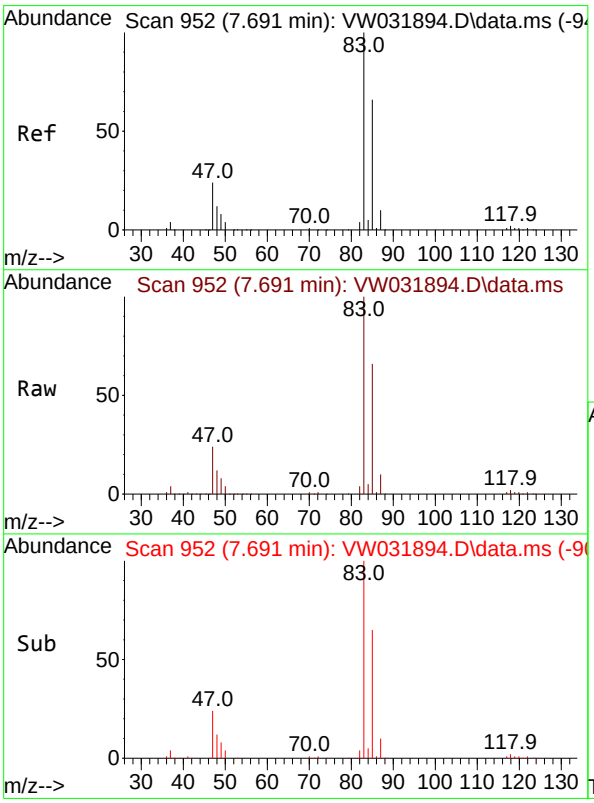
Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	43.1	34.5	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

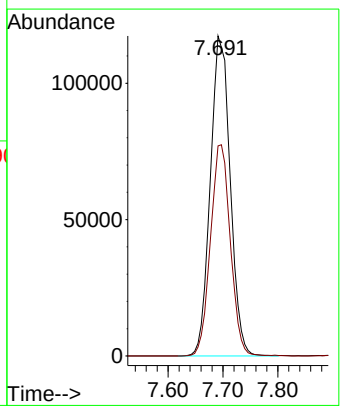
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

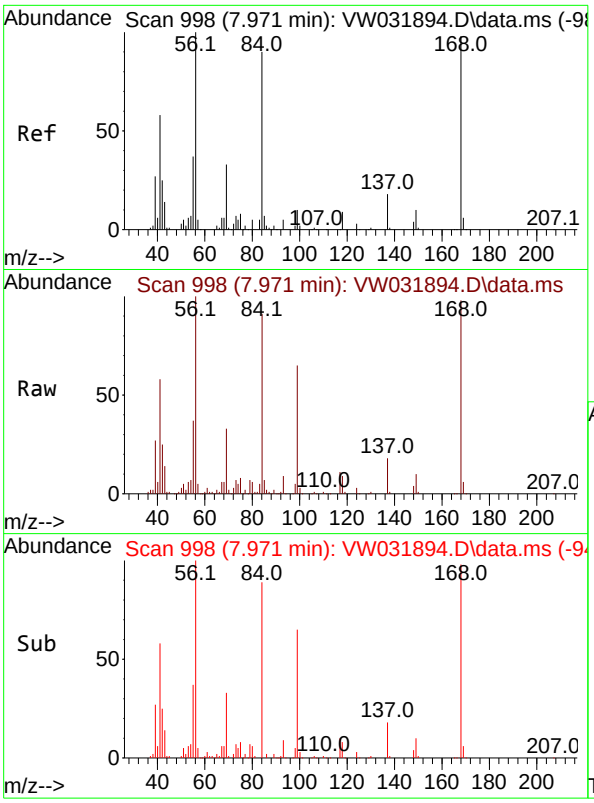


#30
Chloroform
Concen: 48.459 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 83 Resp: 295801

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8

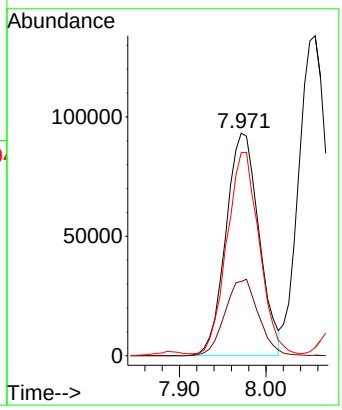




#31
Cyclohexane
Concen: 47.389 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 56 Resp: 24750

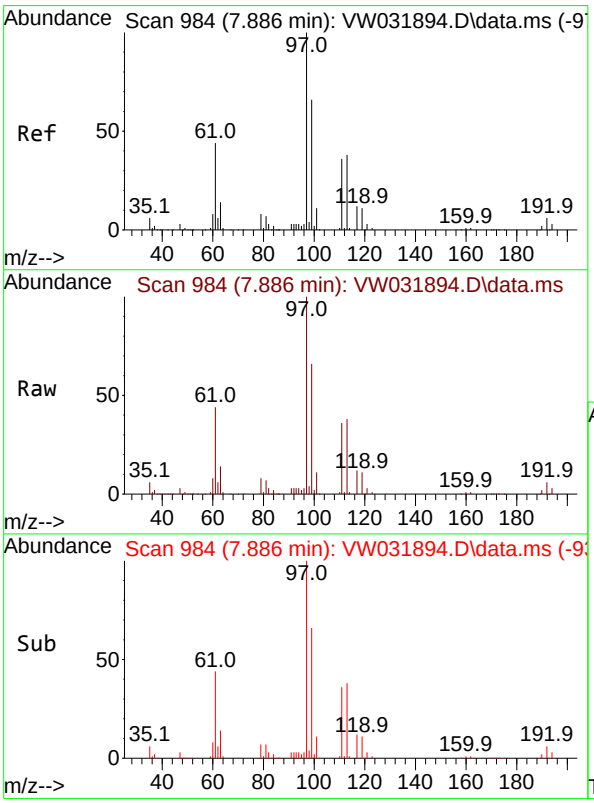
Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.7	40.1
84	89.7	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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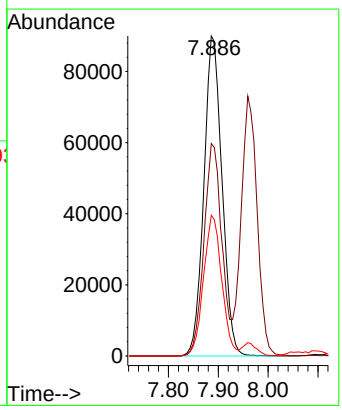
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

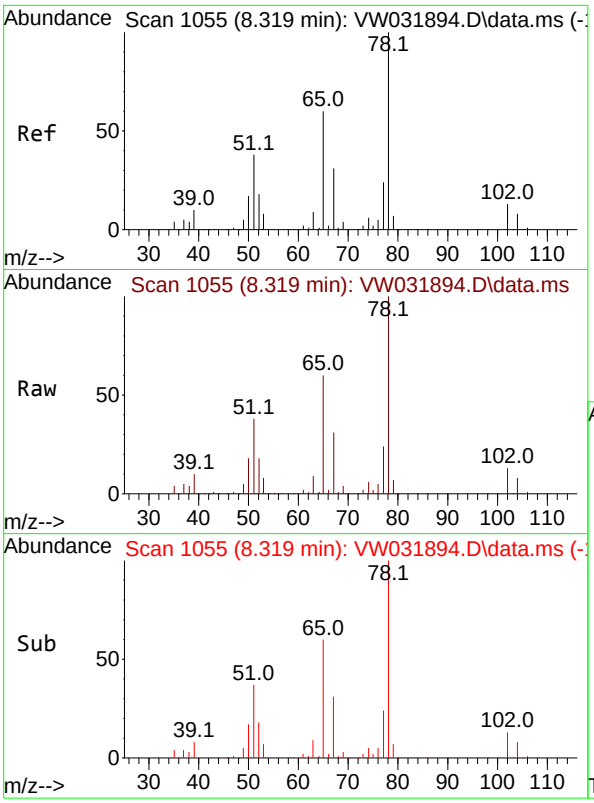


#32
1,1,1-Trichloroethane
Concen: 48.961 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 97 Resp: 227418

Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.0	79.4
61	44.2	35.4	53.0

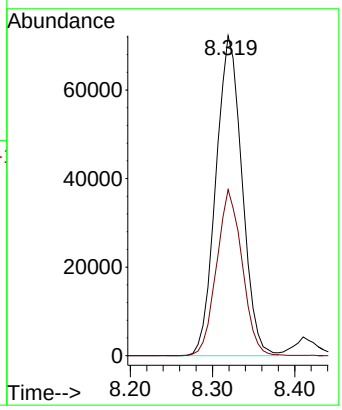




#33
1,2-Dichloroethane-d4
Concen: 46.880 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 65 Resp: 15965

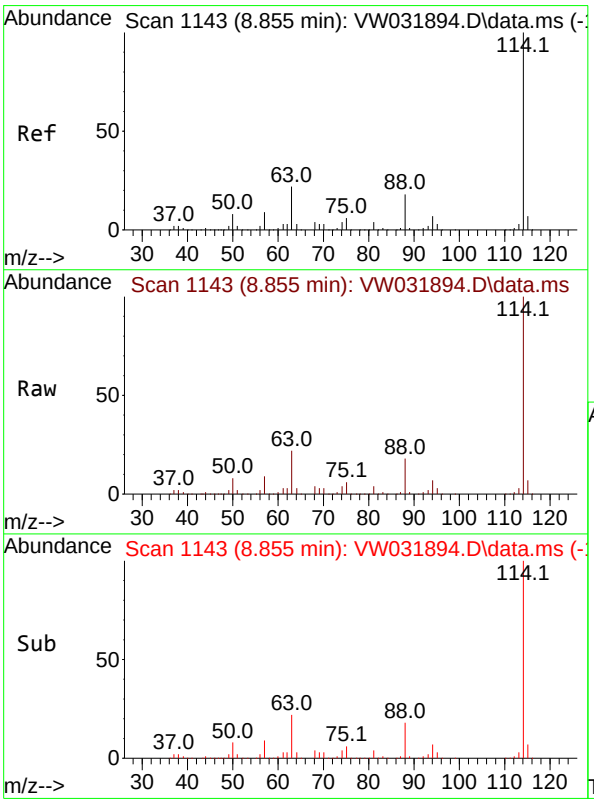
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

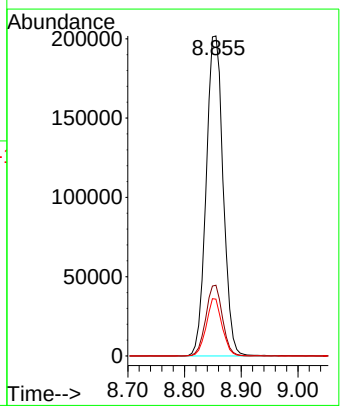
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

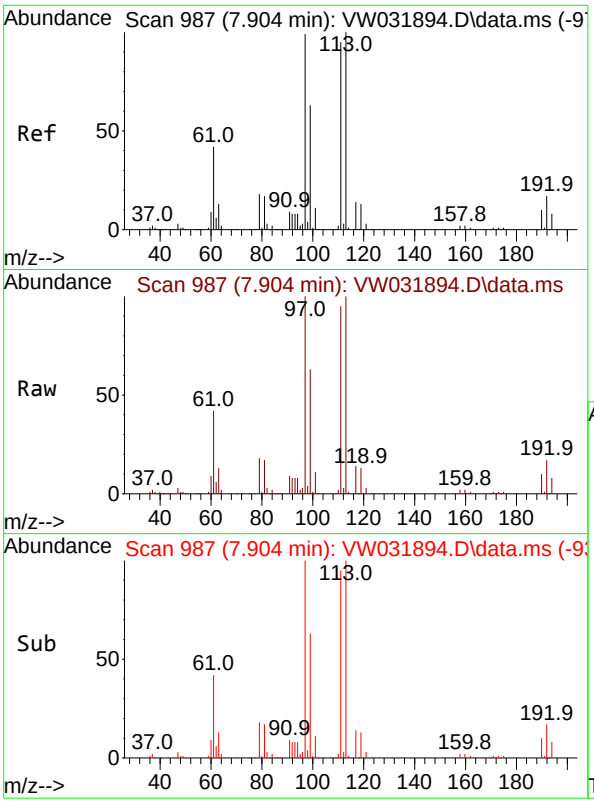


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:114 Resp: 418592

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.2
88	17.8	0.0	35.6

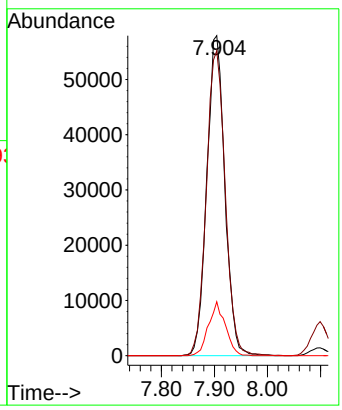




#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:113 Resp: 13660

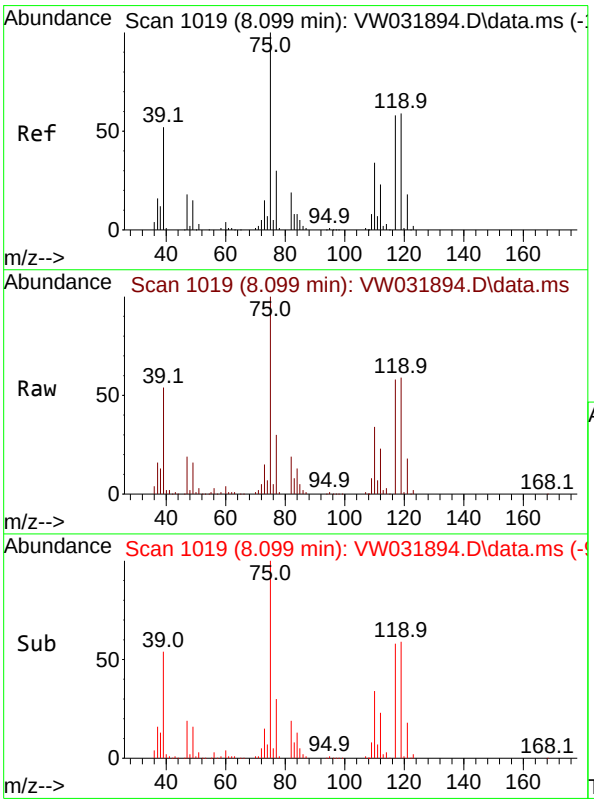
Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.9	119.9
192	15.8	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

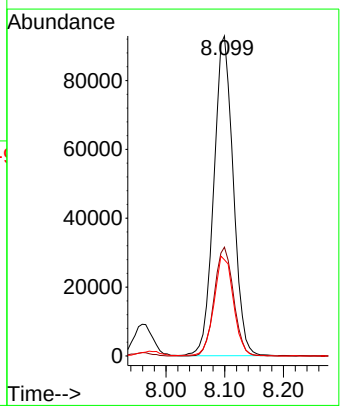
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

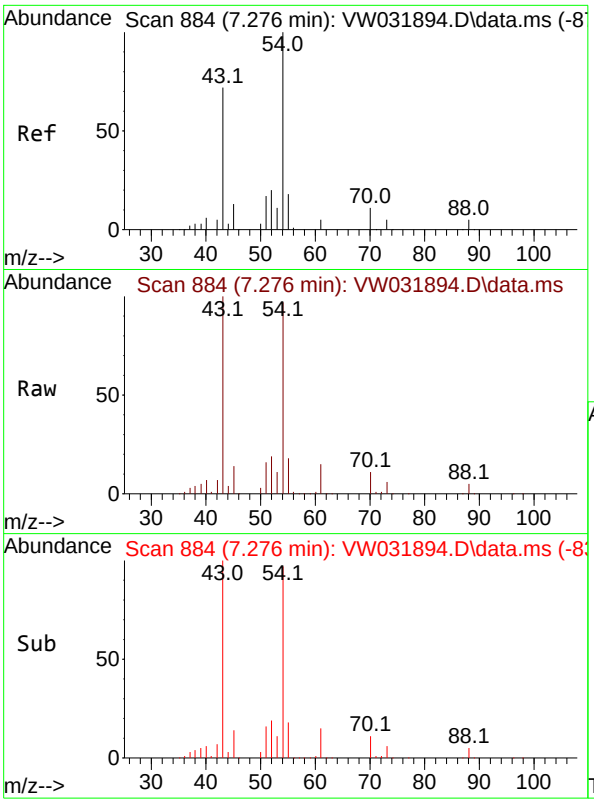


#36
1,1-Dichloropropene
Concen: 48.794 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 213142

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.4	25.1	37.7





#37
Ethyl Acetate
Concen: 49.627 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

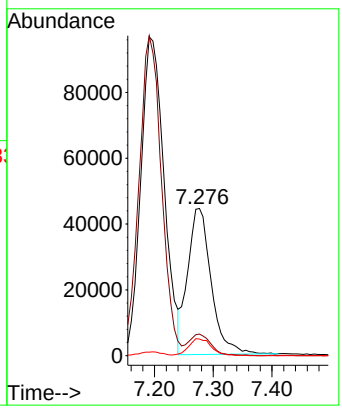
Tgt Ion: 43 Resp: 12366

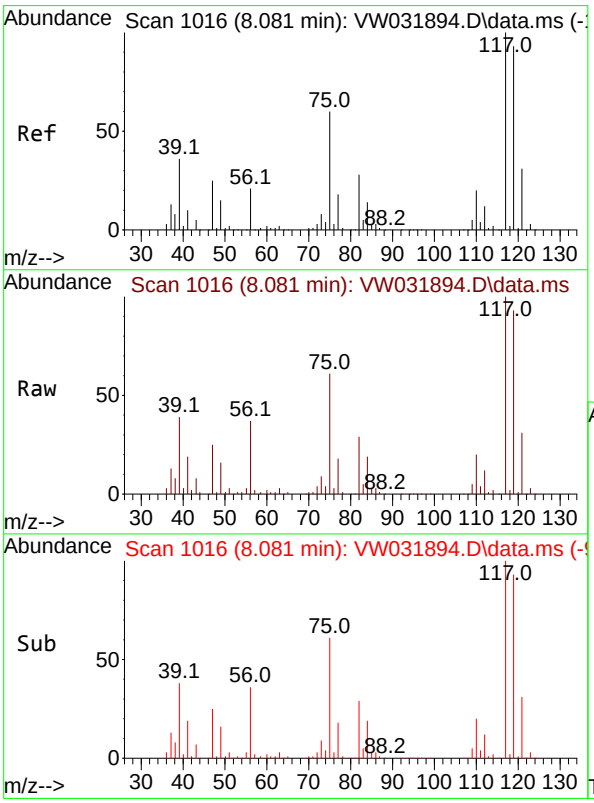
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.2	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

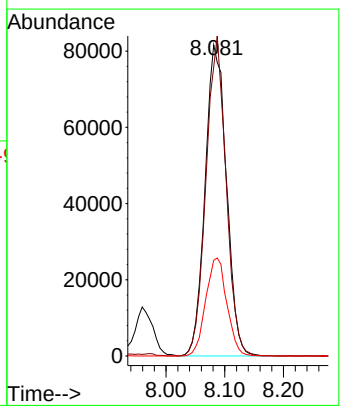


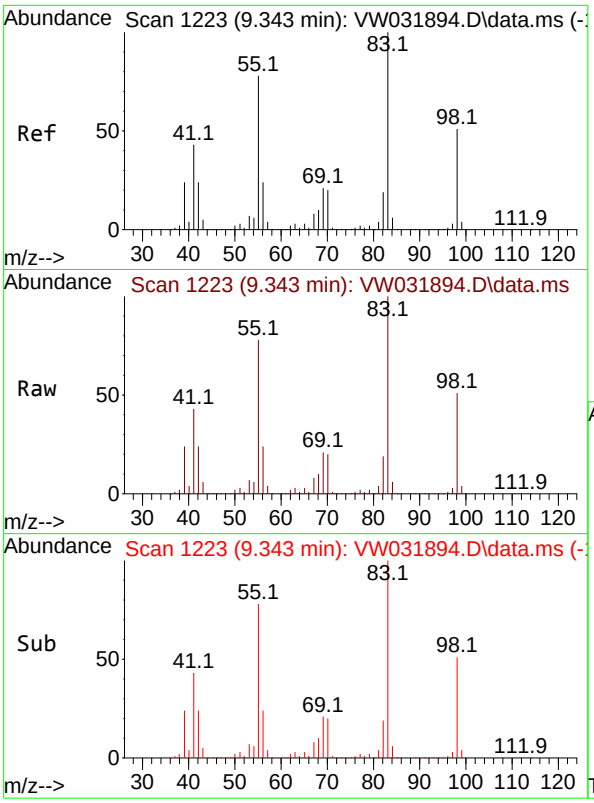


#38
Carbon Tetrachloride
Concen: 49.190 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:117 Resp: 206216

Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.3	111.5
121	30.8	24.6	37.0





#39
Methylcyclohexane
Concen: 50.000 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

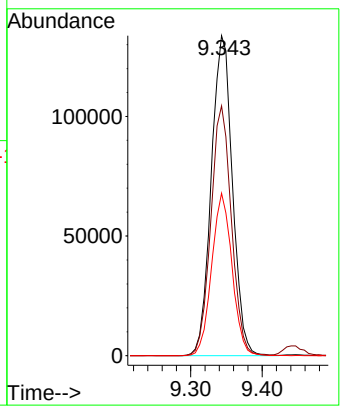
Tgt Ion: 83 Resp: 27485

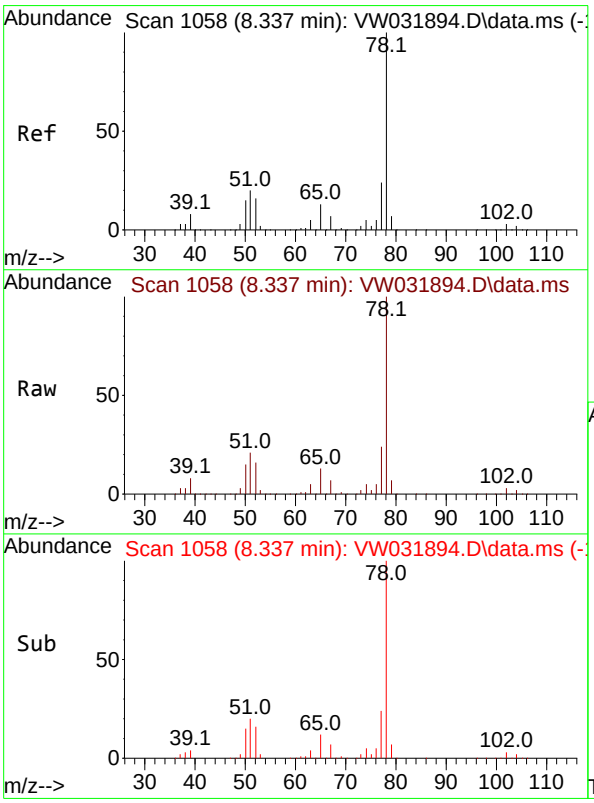
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.5	93.7
98	50.8	40.6	61.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

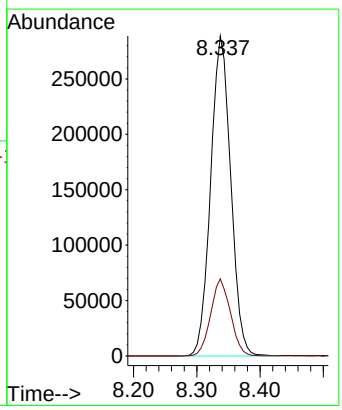


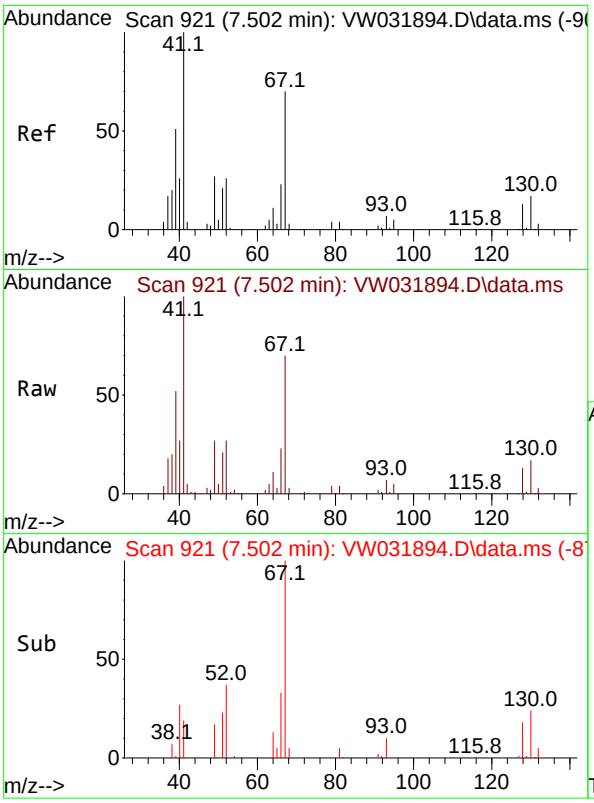


#40
Benzene
Concen: 49.197 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 78 Resp: 636145

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

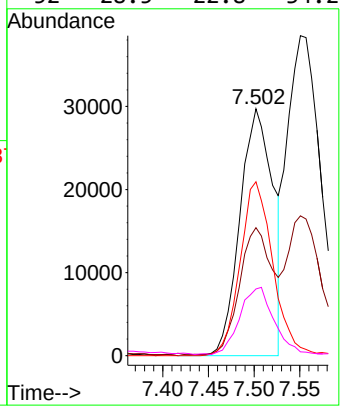




#41
Methacrylonitrile
Concen: 51.112 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 41 Resp: 7501

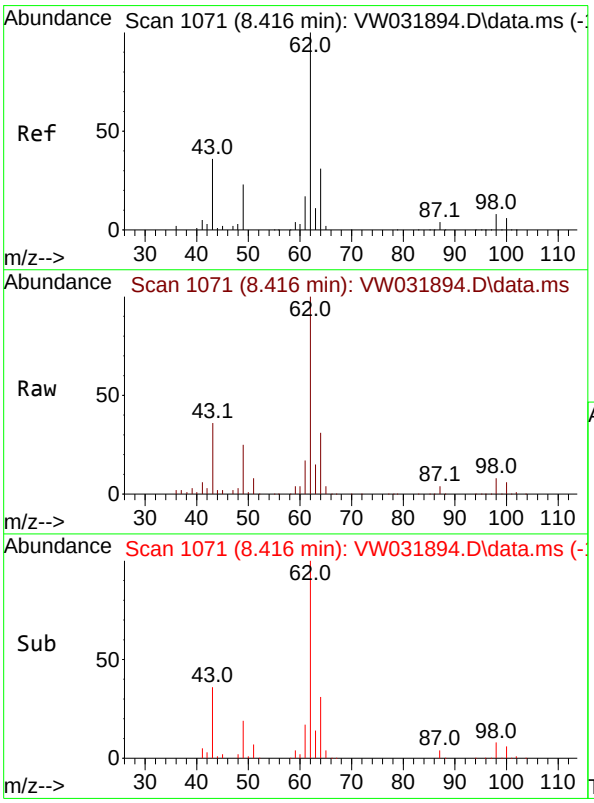
Ion	Ratio	Lower	Upper
41	100		
39	51.4	41.1	61.7
67	70.3	56.2	84.4
52	28.5	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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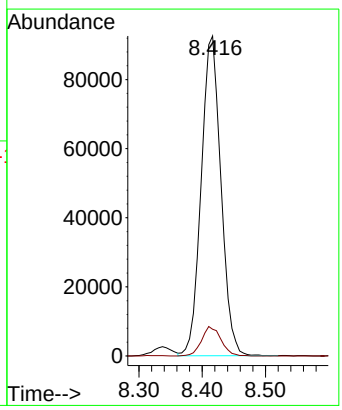
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

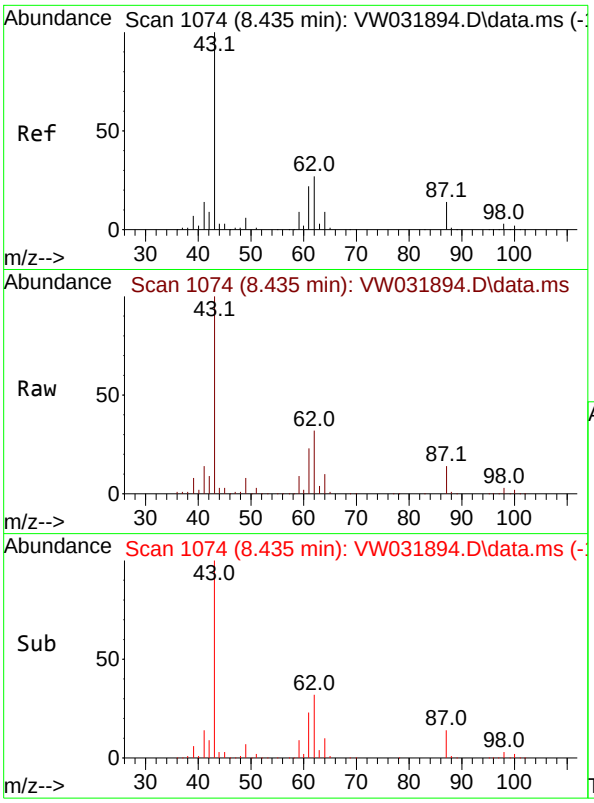


#42
1,2-Dichloroethane
Concen: 48.561 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 62 Resp: 200964

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
Isopropyl Acetate
Concen: 49.250 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

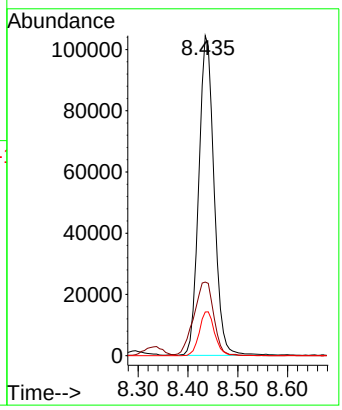
Tgt Ion: 43 Resp: 22217

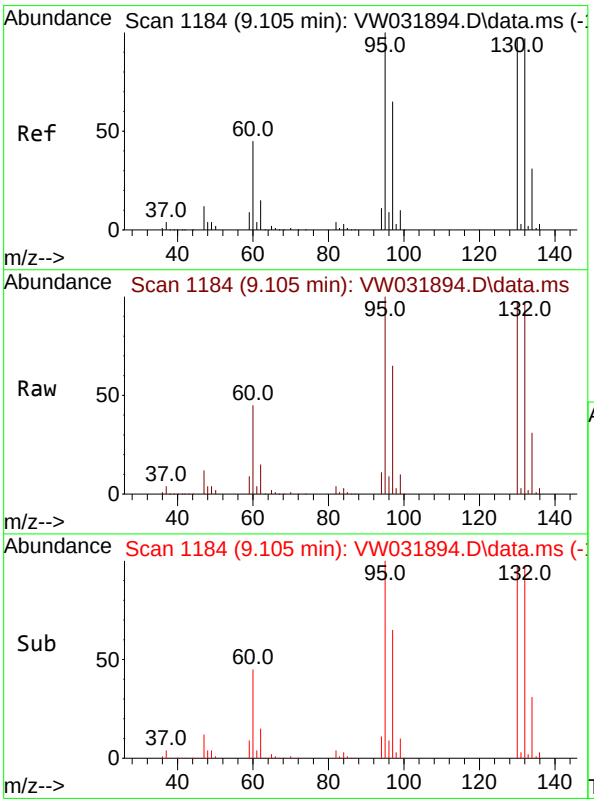
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	13.9	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

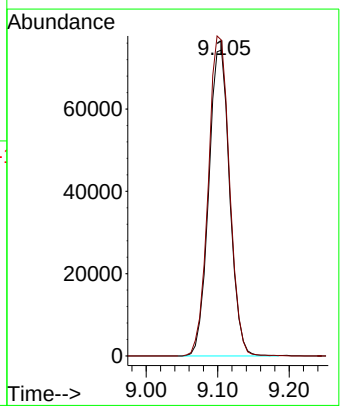


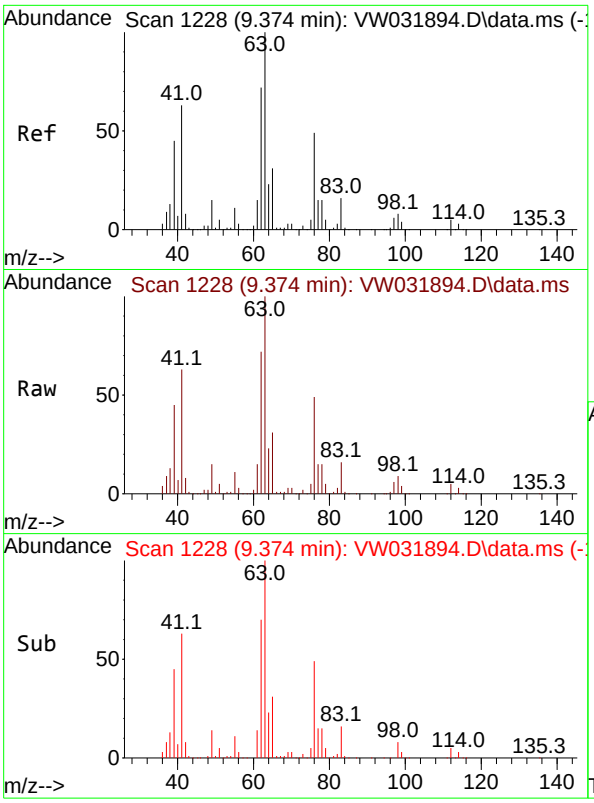


#44
Trichloroethene
Concen: 49.368 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:130 Resp: 151736

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	206.4

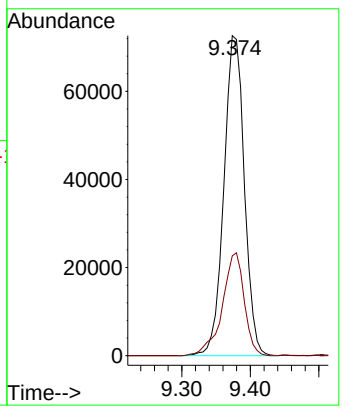




#45
1,2-Dichloropropane
Concen: 48.420 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 63 Resp: 15078

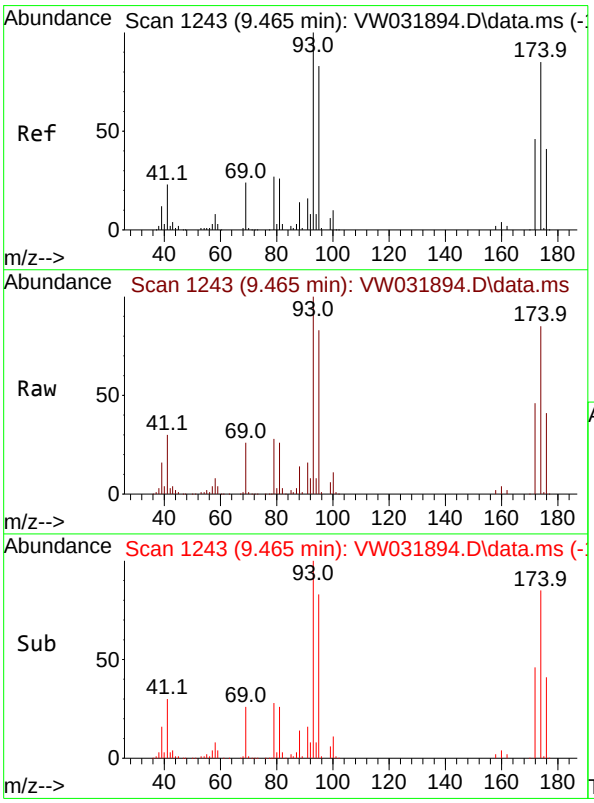
Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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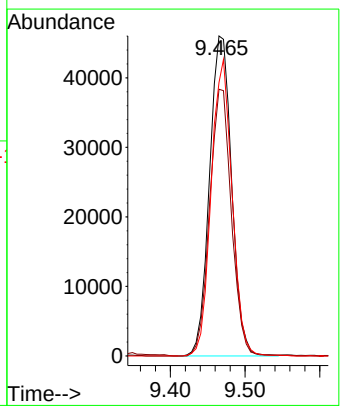
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

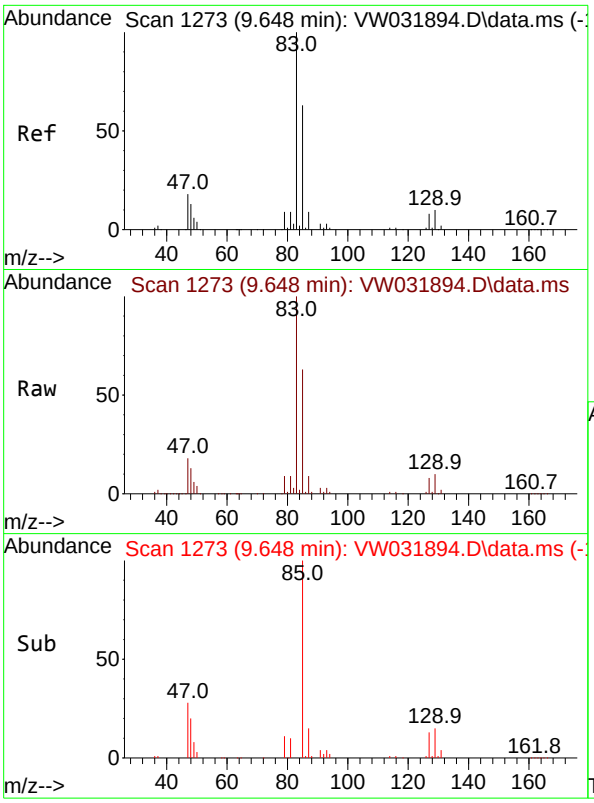


#46
Dibromomethane
Concen: 48.942 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 93 Resp: 94479

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.6
174	87.7	70.2	105.2





#47
Bromodichloromethane
Concen: 48.359 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

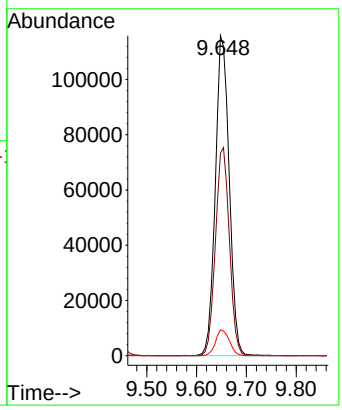
Tgt Ion: 83 Resp: 22385

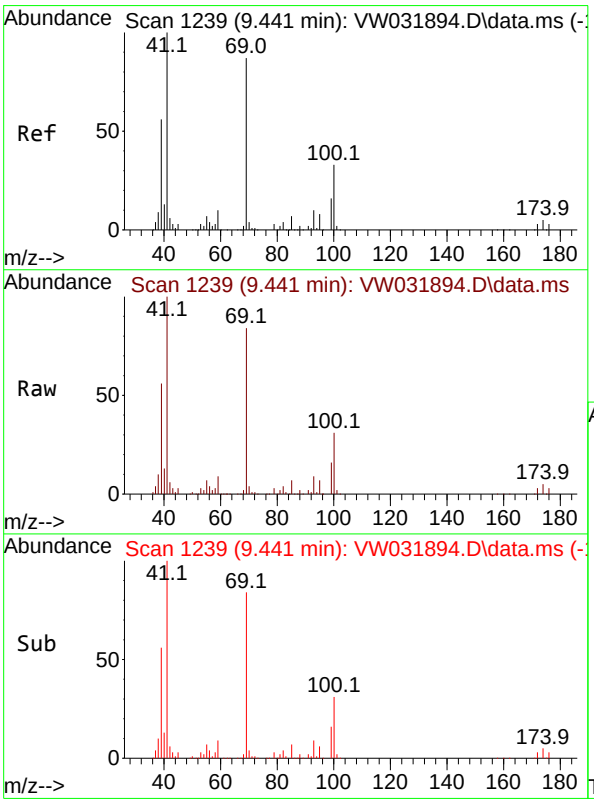
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	8.1	6.5	9.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

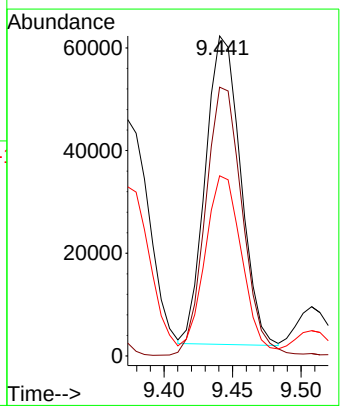


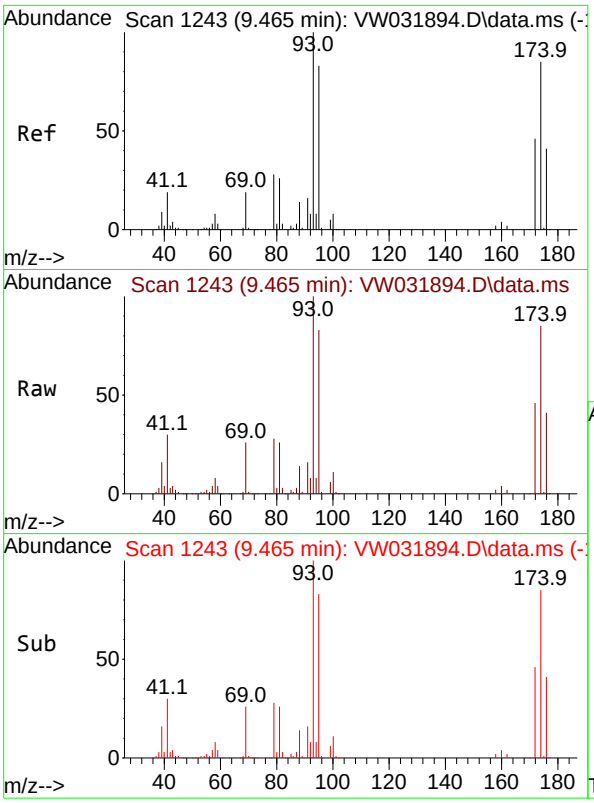


#48
Methyl methacrylate
Concen: 49.887 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 41 Resp: 107066

Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.6	110.4
39	56.9	45.5	68.3





#49
1,4-Dioxane
Concen: 1134.591 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

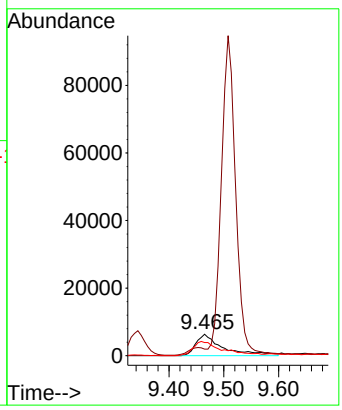
Tgt Ion: 88 Resp: 2185

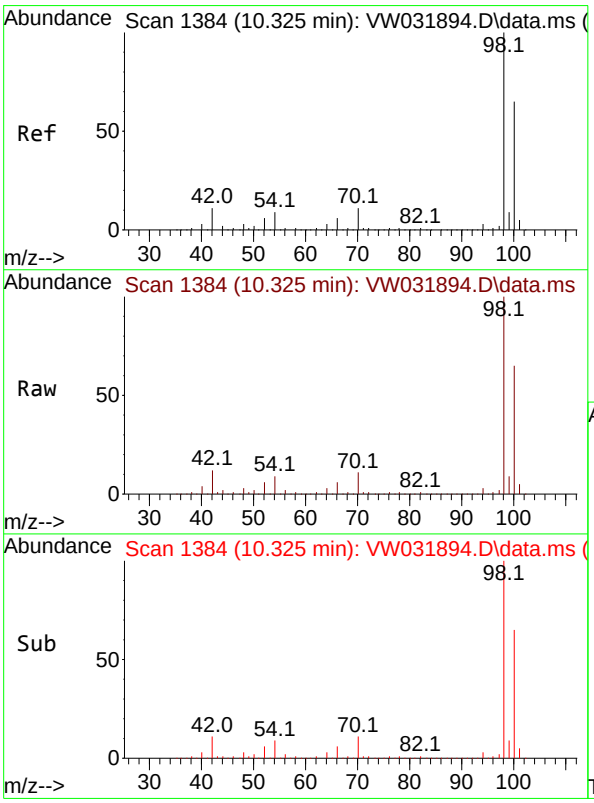
Ion	Ratio	Lower	Upper
88	100		
43	23.7	19.0	28.4
58	72.7	58.2	87.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

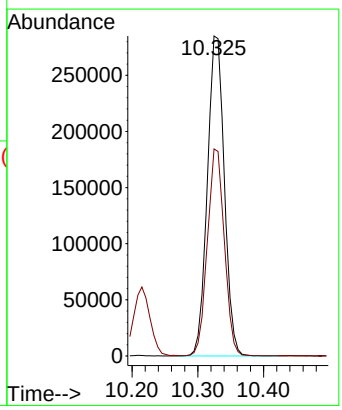


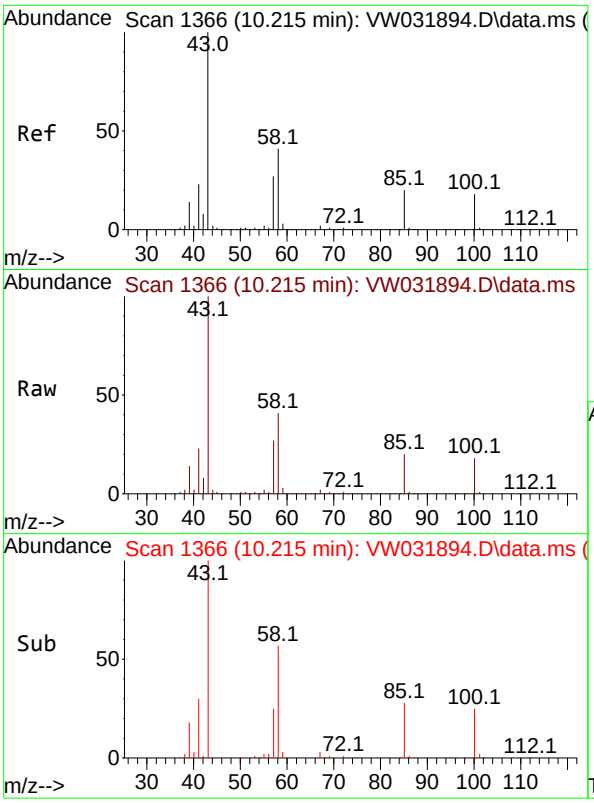


#50
Toluene-d8
Concen: 47.590 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 98 Resp: 512311

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 250.133 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

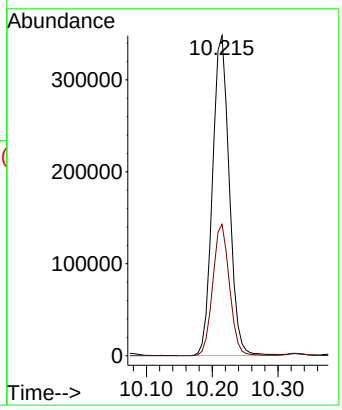
Tgt Ion: 43 Resp: 61752

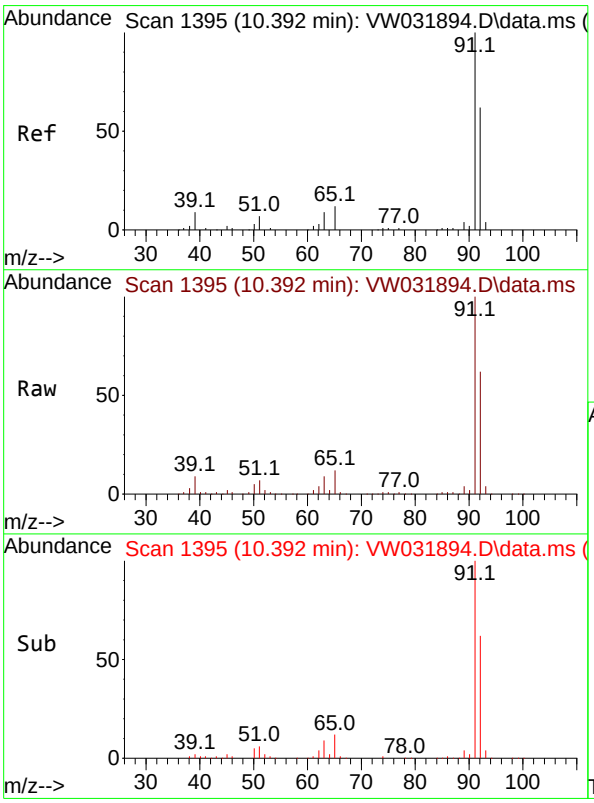
Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

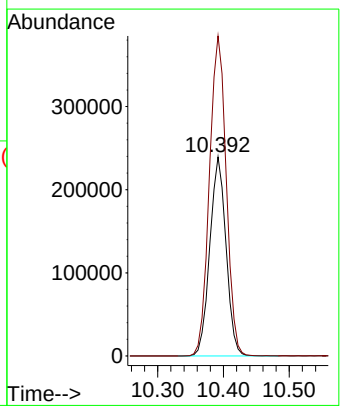


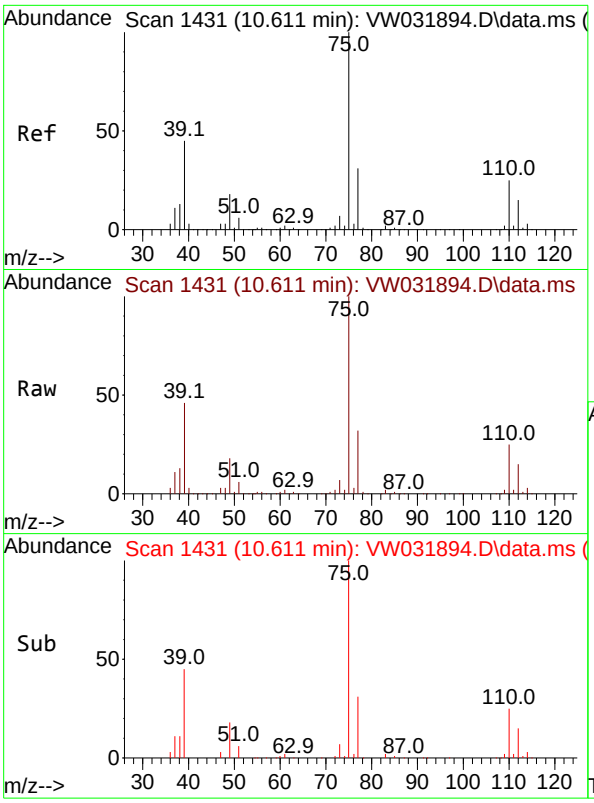


#52
Toluene
Concen: 49.301 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 92 Resp: 409807

Ion	Ratio	Lower	Upper
92	100		
91	167.1	133.7	200.5

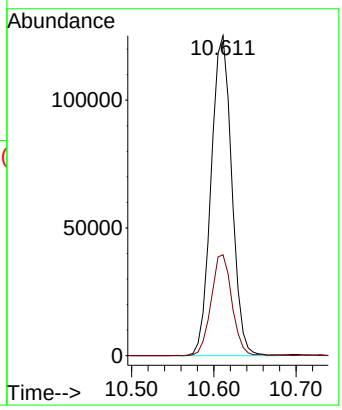




#53
t-1,3-Dichloropropene
Concen: 49.187 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 21841

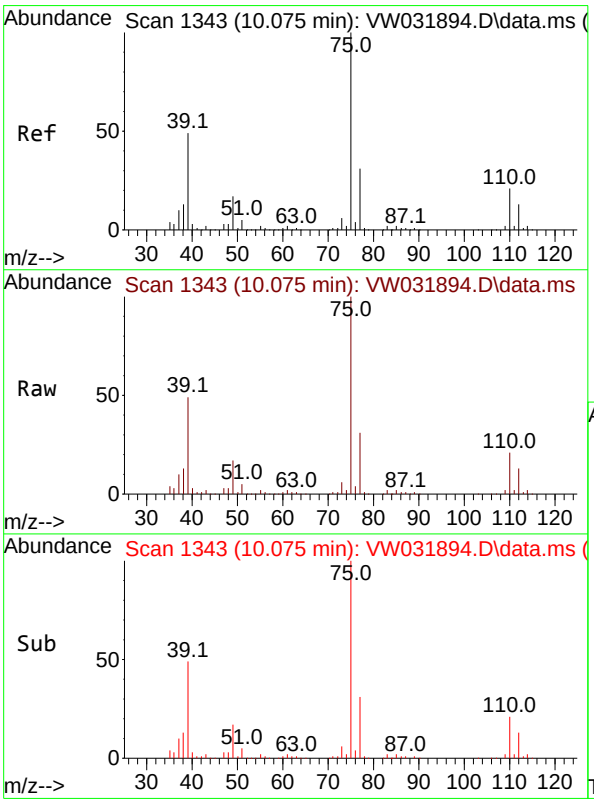
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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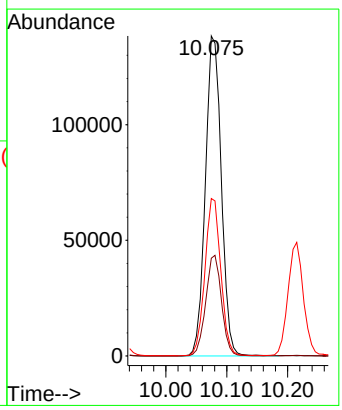
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

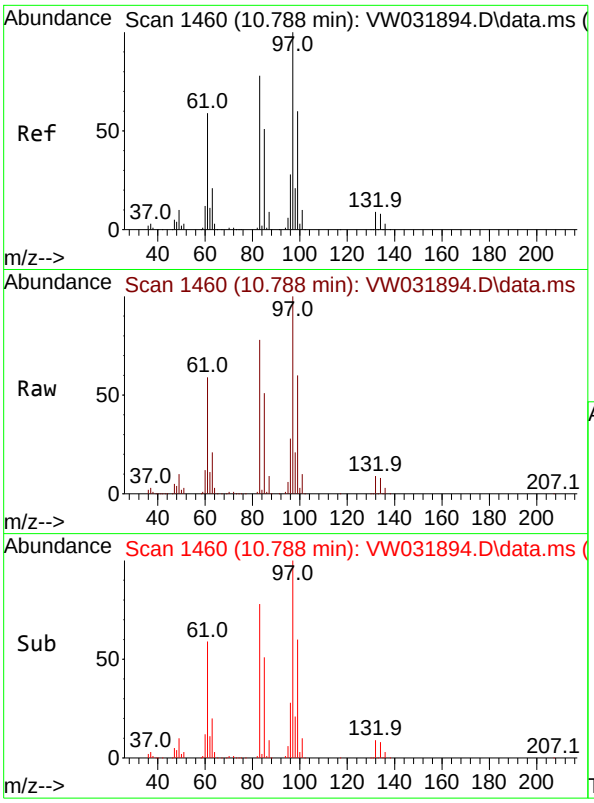


#54
cis-1,3-Dichloropropene
Concen: 49.658 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 251812

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	49.1	39.3	58.9

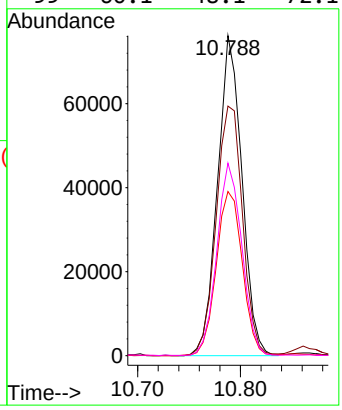




#55
1,1,2-Trichloroethane
Concen: 48.955 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 97 Resp: 12553

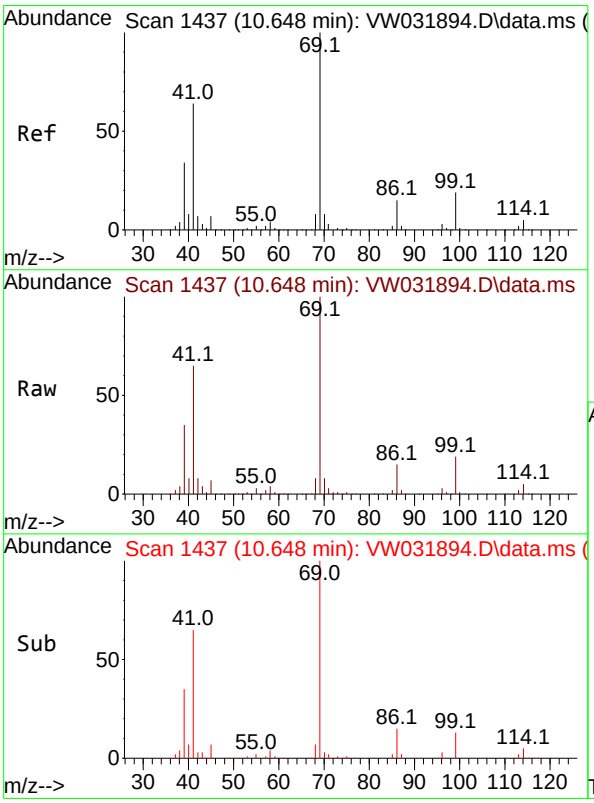
Ion	Ratio	Lower	Upper
97	100		
83	78.0	62.4	93.6
85	51.3	41.0	61.6
99	60.1	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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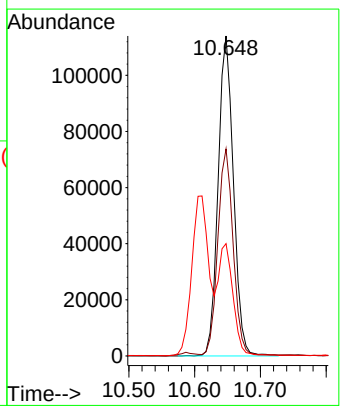
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

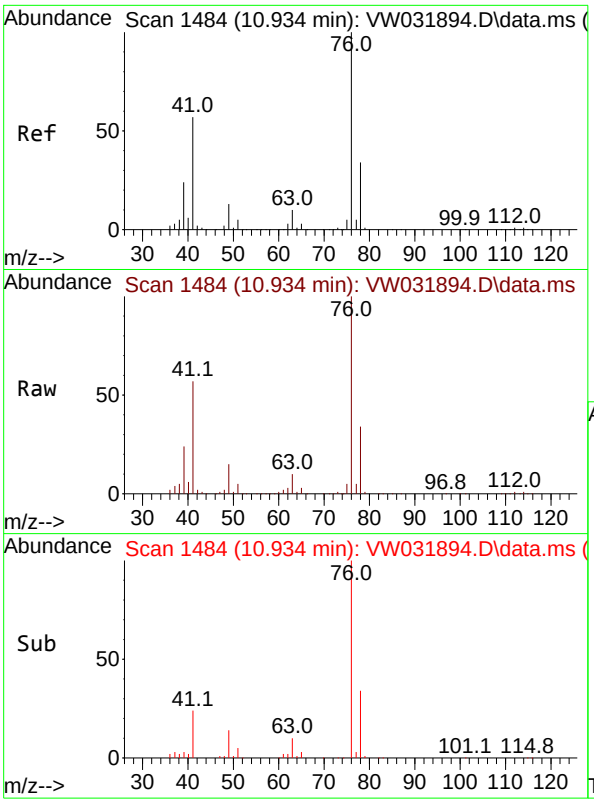


#56
Ethyl methacrylate
Concen: 51.081 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 69 Resp: 184989

Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.0	78.0
39	33.3	26.6	40.0





#57
1,3-Dichloropropane
Concen: 49.412 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

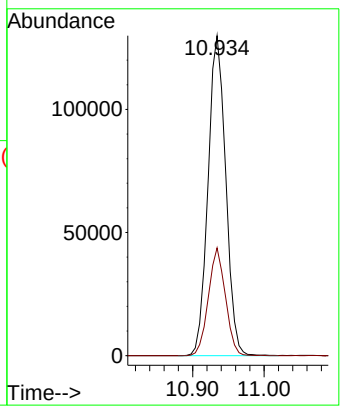
Tgt Ion: 76 Resp: 22321

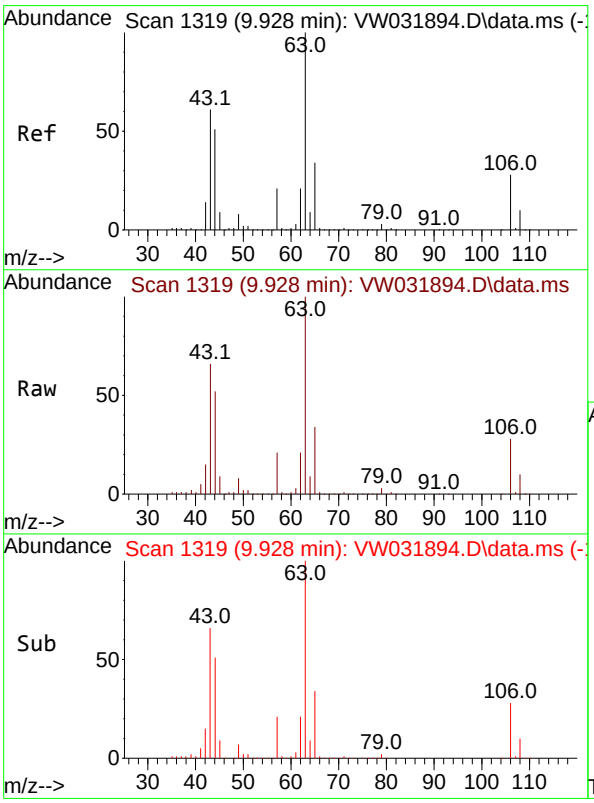
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

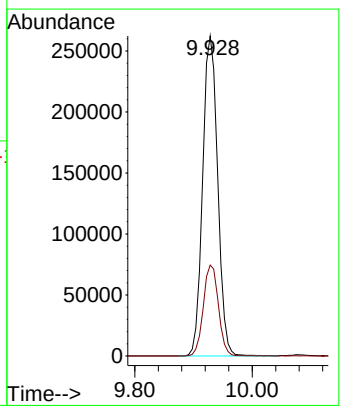


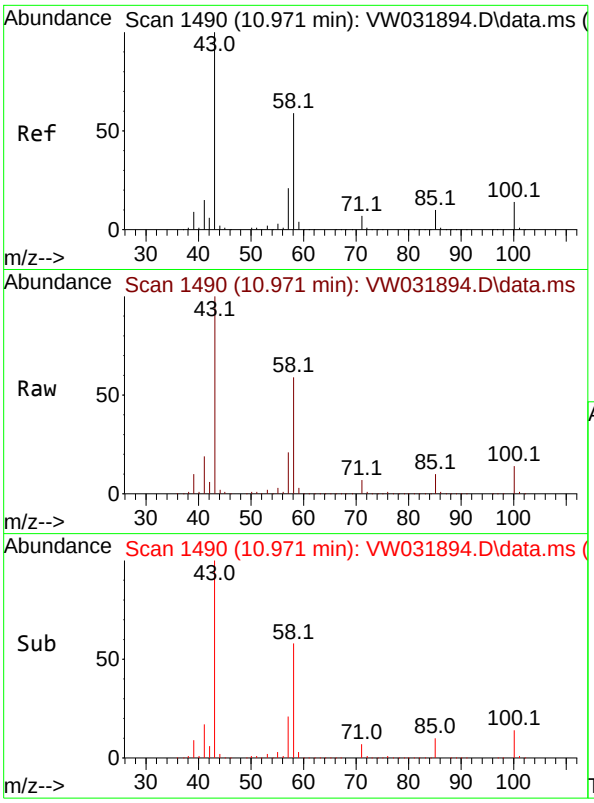


#58
2-Chloroethyl Vinyl ether
Concen: 251.042 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 63 Resp: 466986

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1





#59
2-Hexanone
Concen: 250.784 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

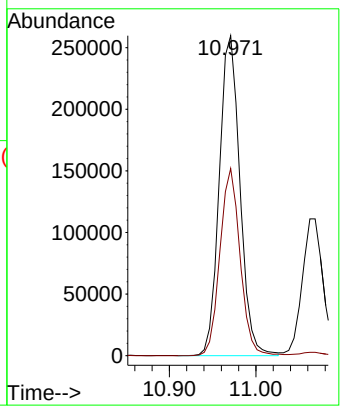
Tgt Ion: 43 Resp: 43035

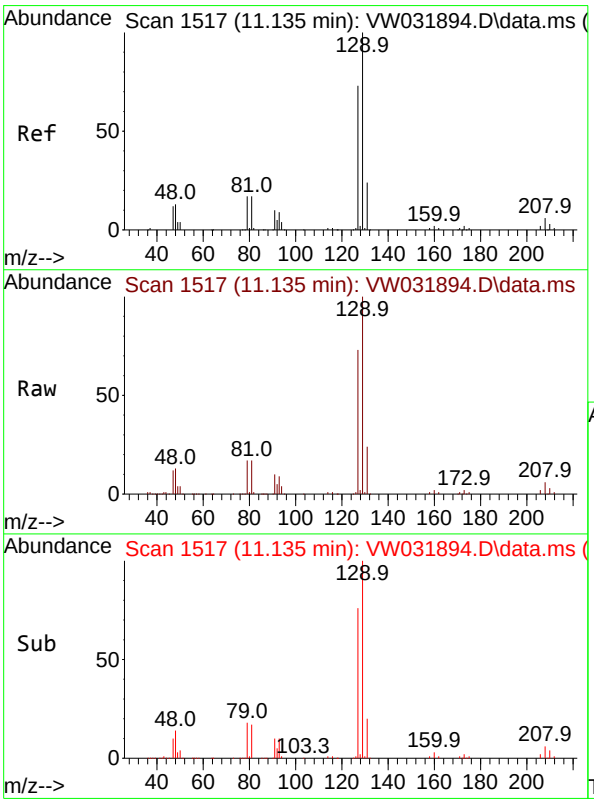
Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

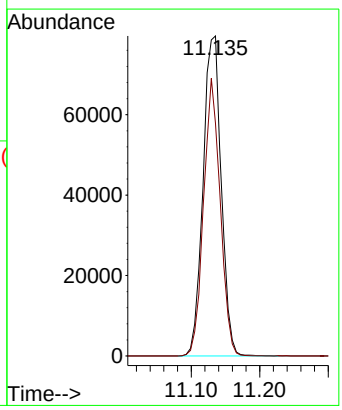


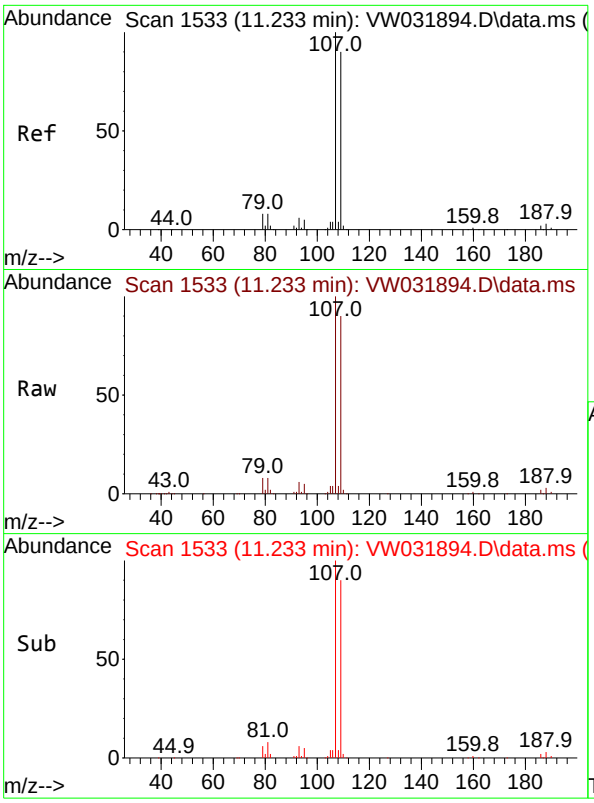


#60
Dibromochloromethane
Concen: 49.183 ug/l
RT: 11.135 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:129 Resp: 147041

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8

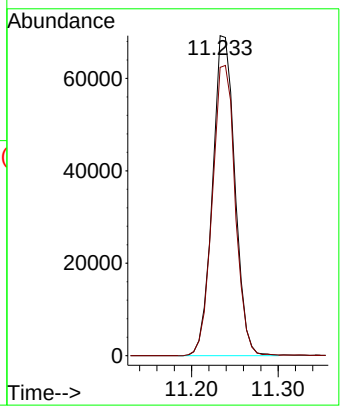




#61
1,2-Dibromoethane
Concen: 49.043 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:107 Resp: 12426

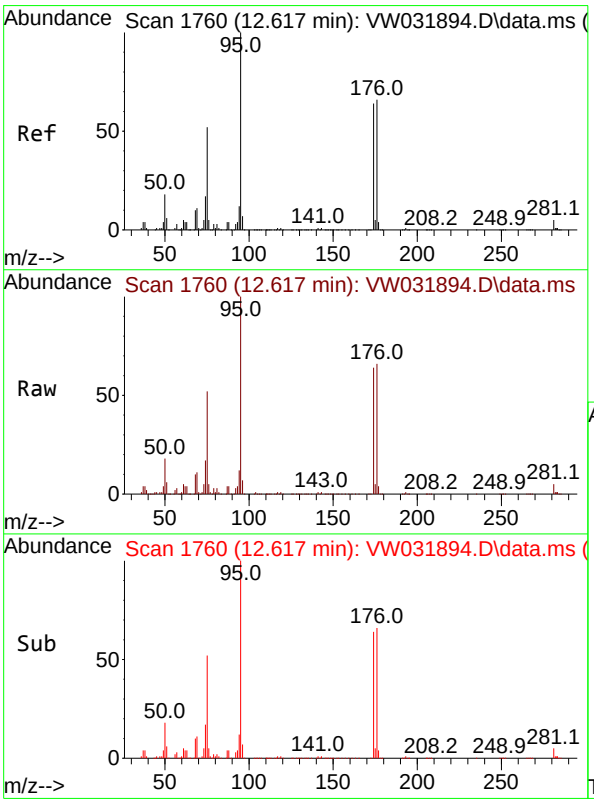
Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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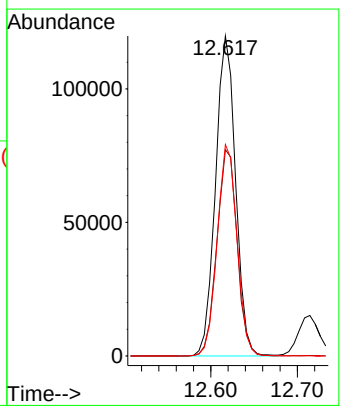
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

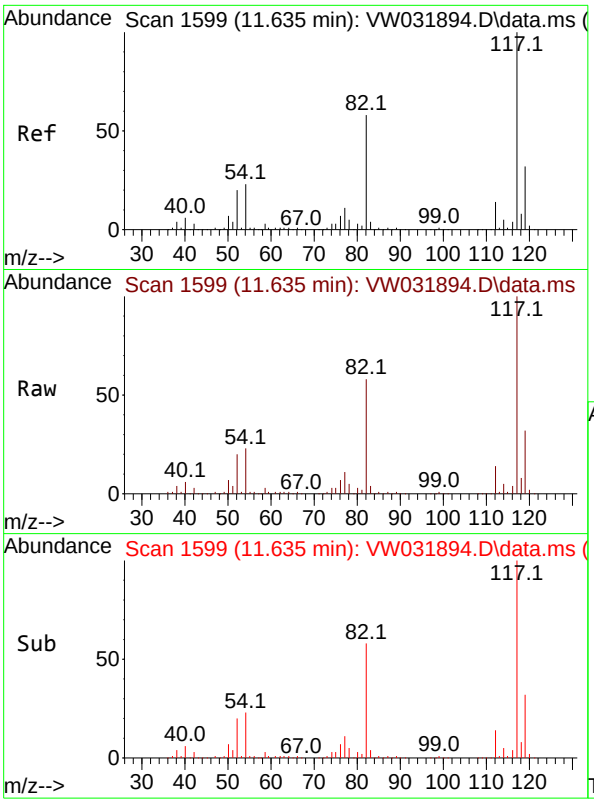


#62
4-Bromofluorobenzene
Concen: 46.629 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 95 Resp: 192744

Ion	Ratio	Lower	Upper
95	100		
174	64.9	0.0	129.8
176	65.2	0.0	130.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

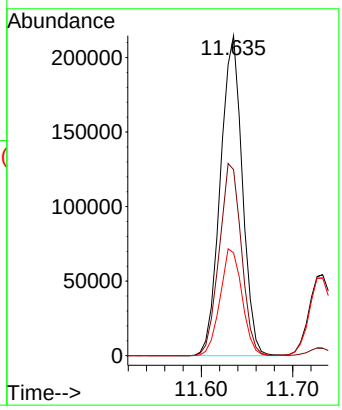
Tgt Ion:117 Resp: 35839

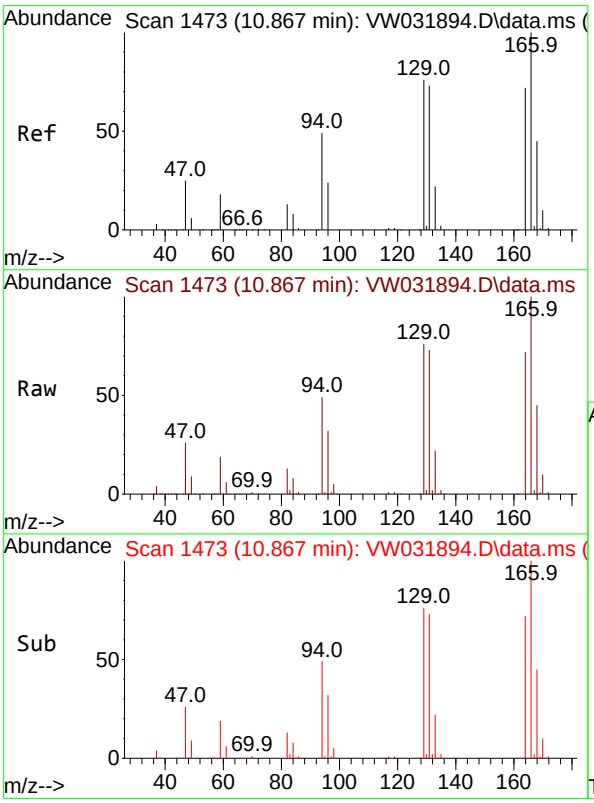
Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	32.2	25.8	38.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

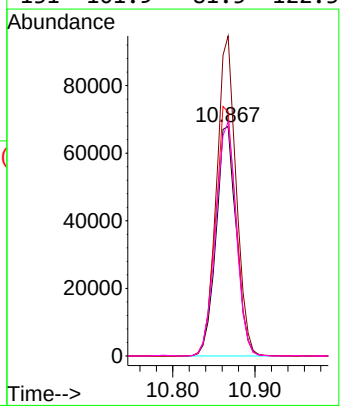


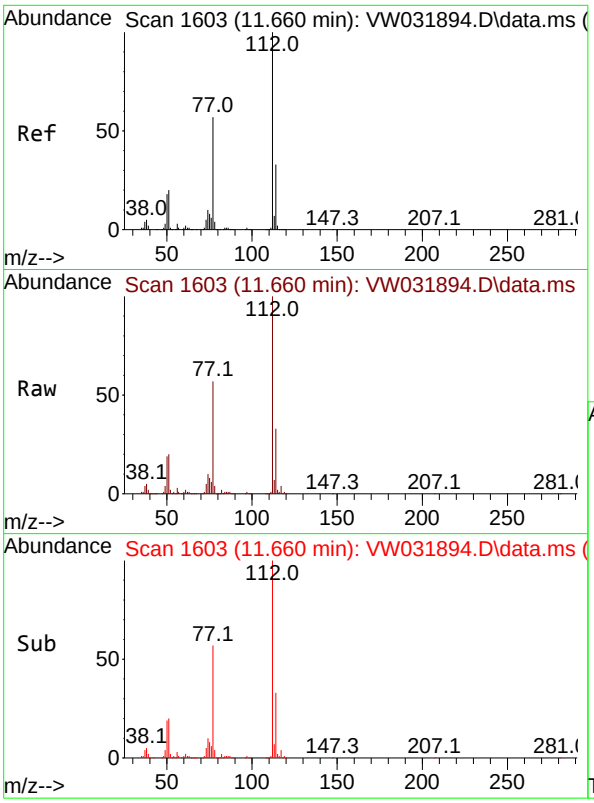


#64
Tetrachloroethene
Concen: 49.172 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:164 Resp: 116190

Ion	Ratio	Lower	Upper
164	100		
166	139.4	111.5	167.3
129	106.4	85.1	127.7
131	101.9	81.5	122.3

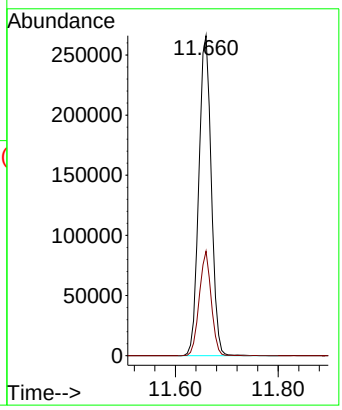




#65
Chlorobenzene
Concen: 50.836 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:112 Resp: 44590

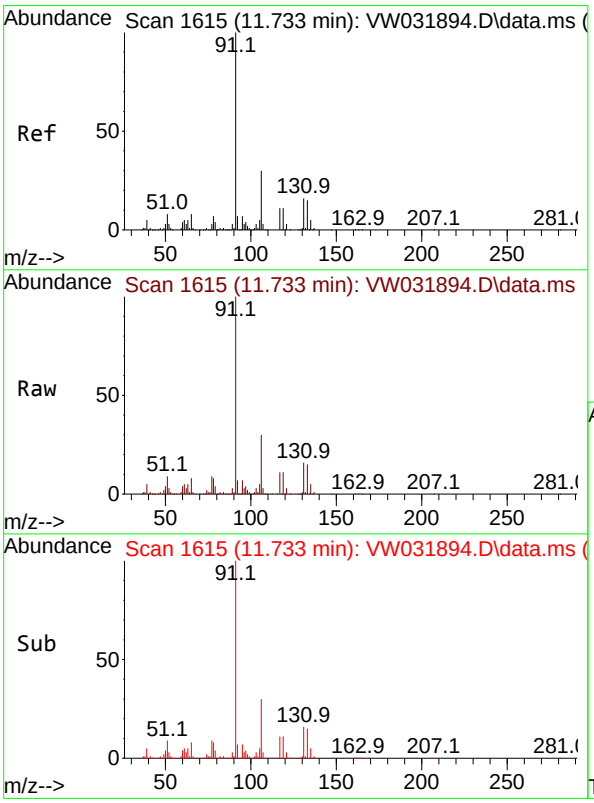
Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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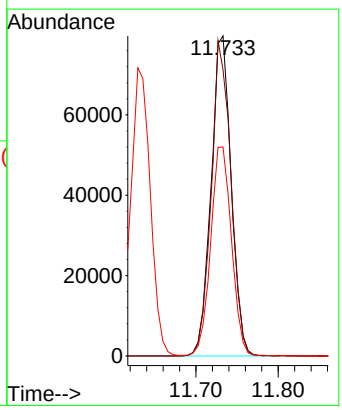
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

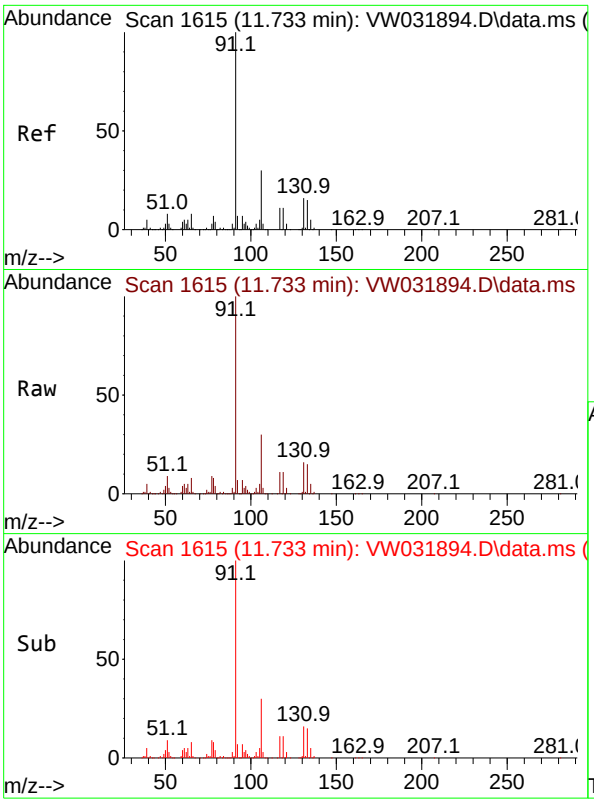


#66
1,1,1,2-Tetrachloroethane
Concen: 49.749 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:131 Resp: 135280

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.4
119	67.4	33.7	101.1





#67
Ethyl Benzene
Concen: 51.758 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

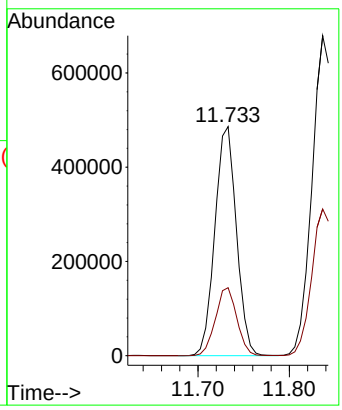
Tgt Ion: 91 Resp: 79766(

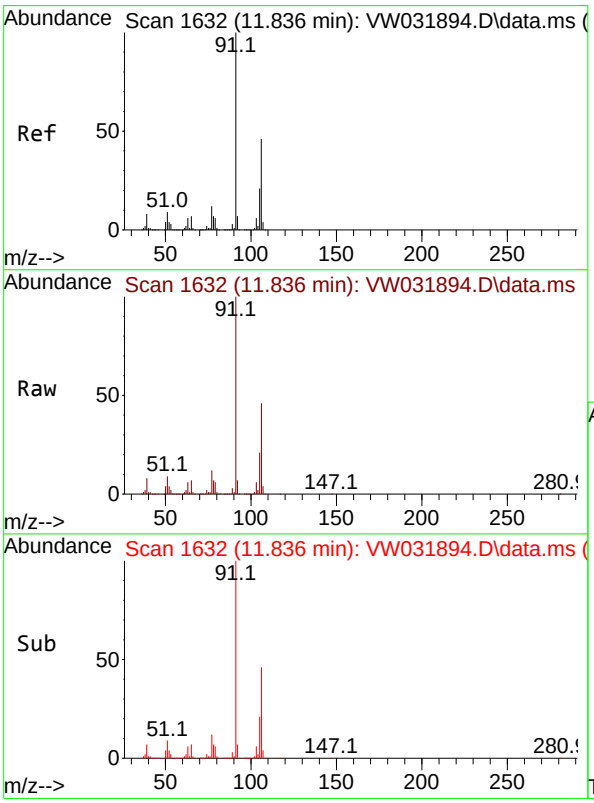
Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

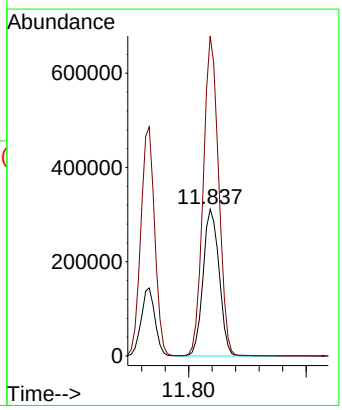


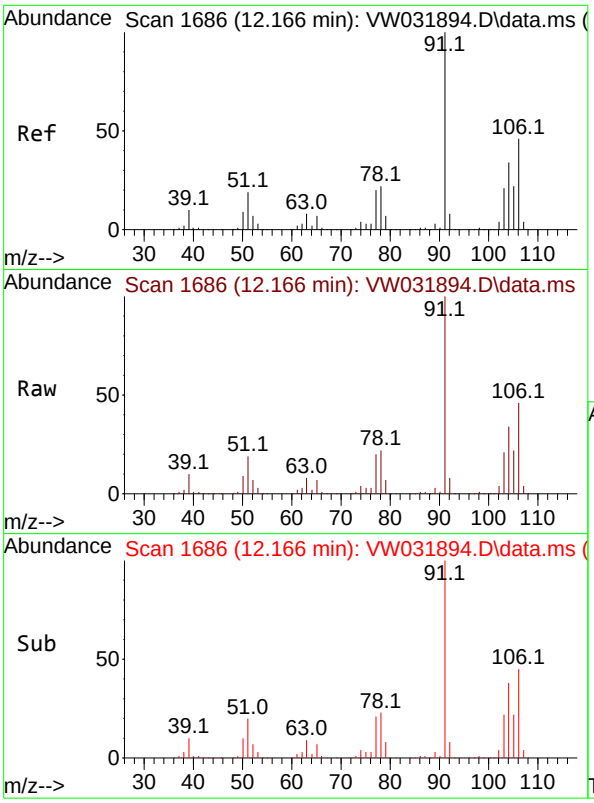


#68
m/p-Xylenes
Concen: 101.698 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:106 Resp: 590027

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.7	251.5

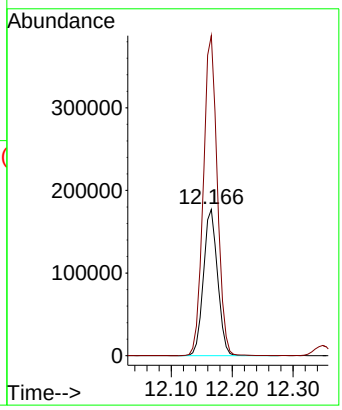




#69
o-Xylene
Concen: 51.967 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:106 Resp: 28532

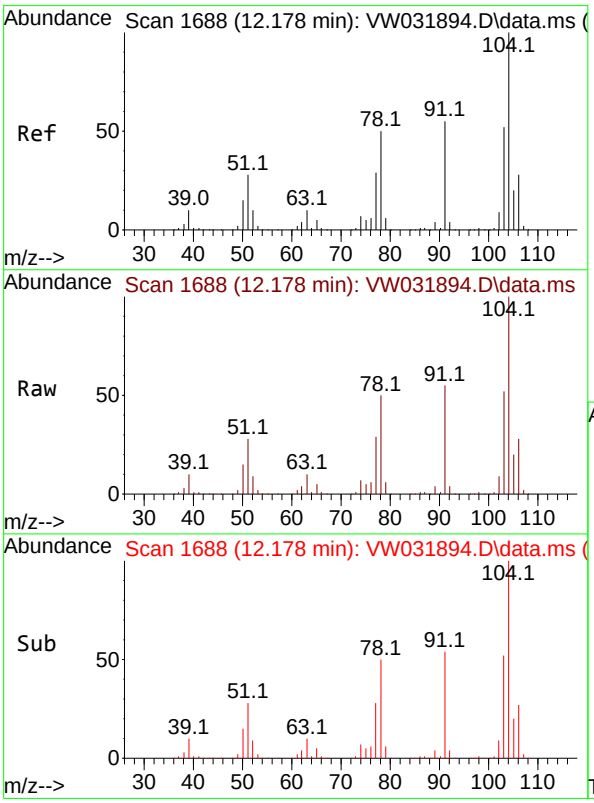
Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.2	324.6



Instrument :
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ClientSampleId :
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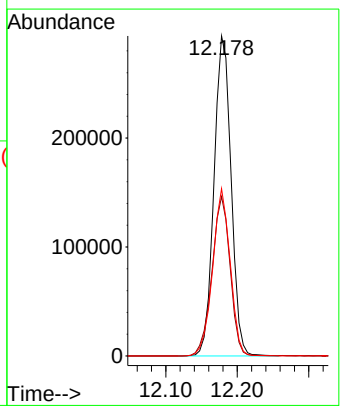
Reviewed By :Semsettin Yesilyurt 07/24/2025
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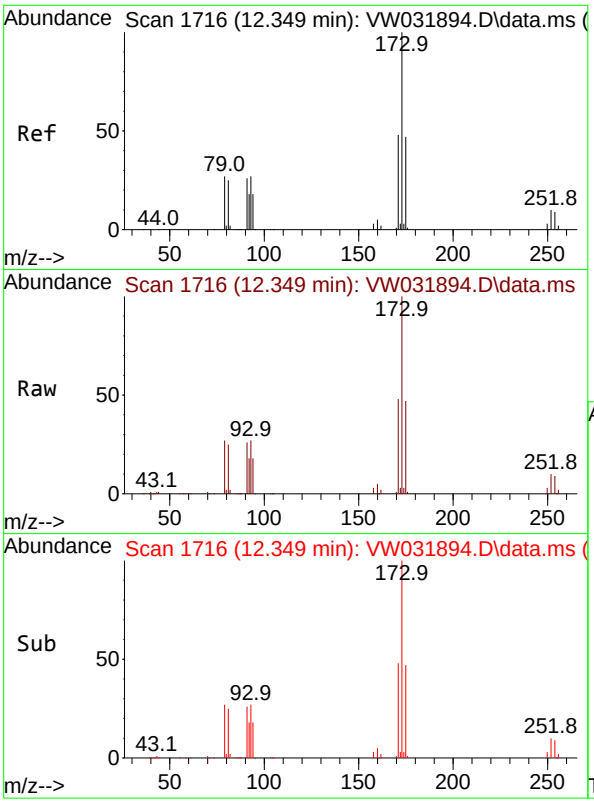


#70
Styrene
Concen: 52.165 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:104 Resp: 487647

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	53.5	42.8	64.2

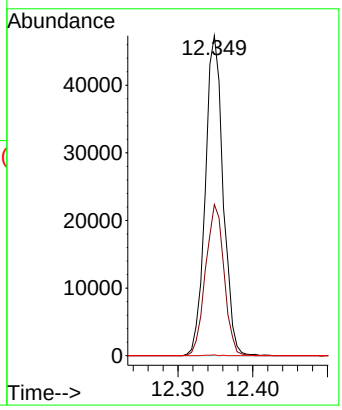




#71
Bromoform
Concen: 52.724 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:173 Resp: 7840

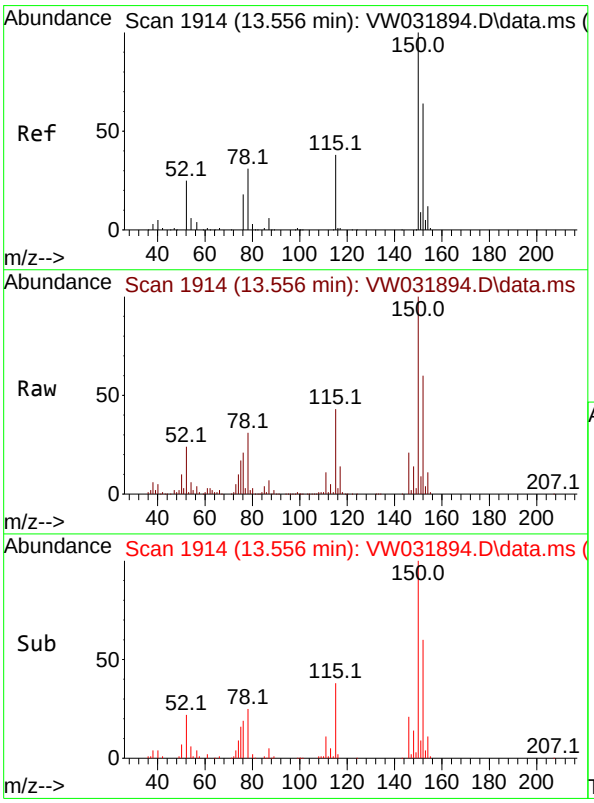
Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2



Instrument :
MSVOA_W
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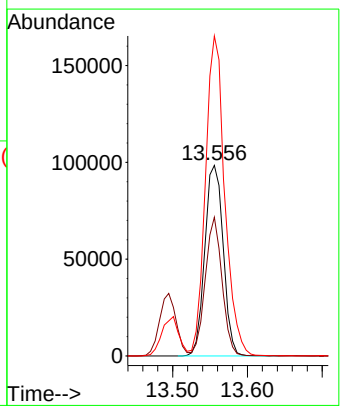
Reviewed By :Semsettin Yesilyurt 07/24/2025
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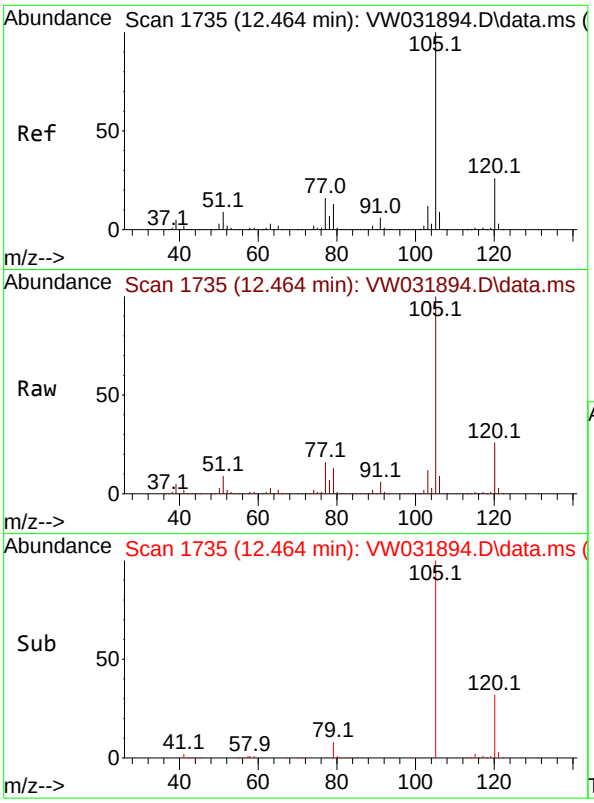


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:152 Resp: 168778

Ion	Ratio	Lower	Upper
152	100		
115	66.7	33.4	100.1
150	176.1	0.0	352.2

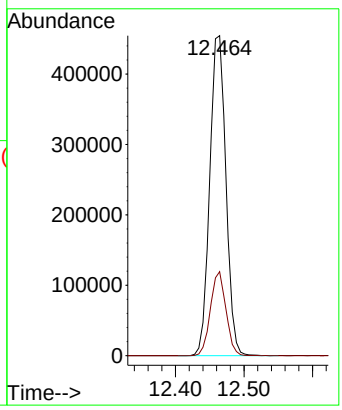




#73
Isopropylbenzene
Concen: 50.771 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:105 Resp: 74350

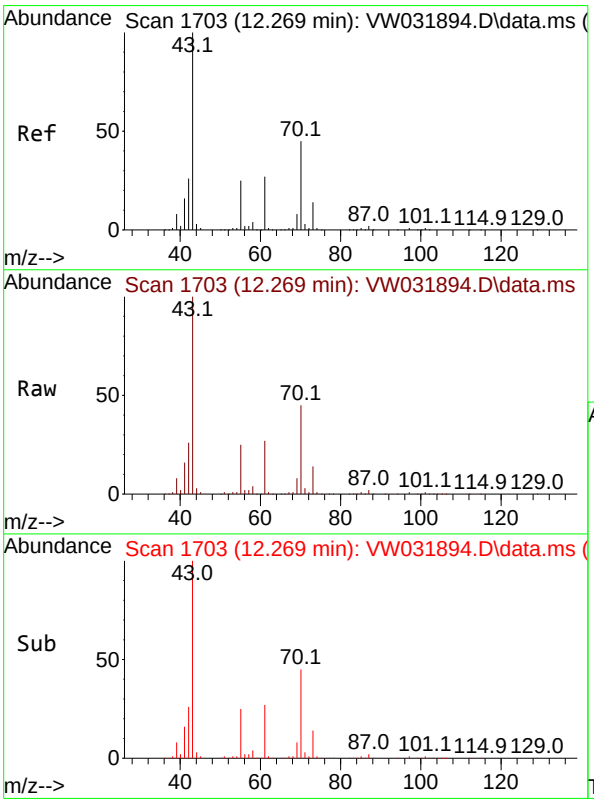
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8



Instrument :
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ClientSampleId :
VSTDICCC050

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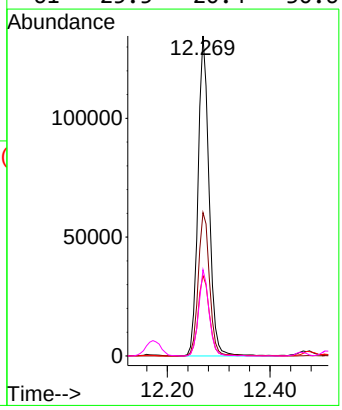
Reviewed By :Semsettin Yesilyurt 07/24/2025
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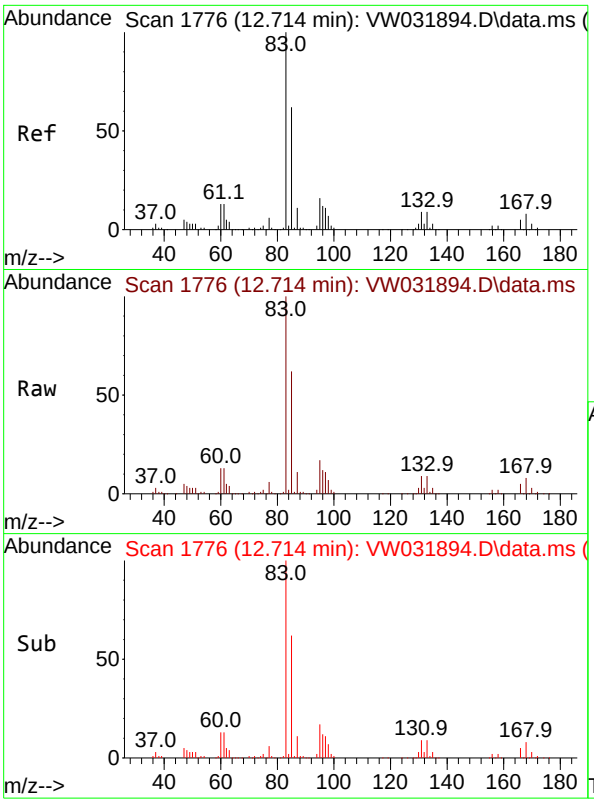


#74
N-amyl acetate
Concen: 50.845 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 201296

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.6	55.0
55	25.9	20.7	31.1
61	25.5	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.601 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

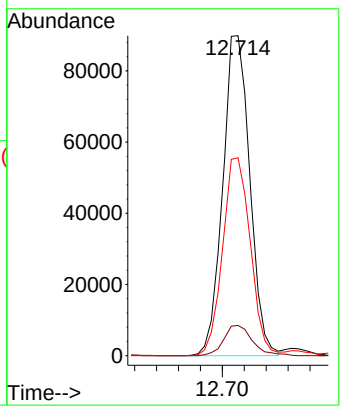
Tgt Ion: 83 Resp: 15418

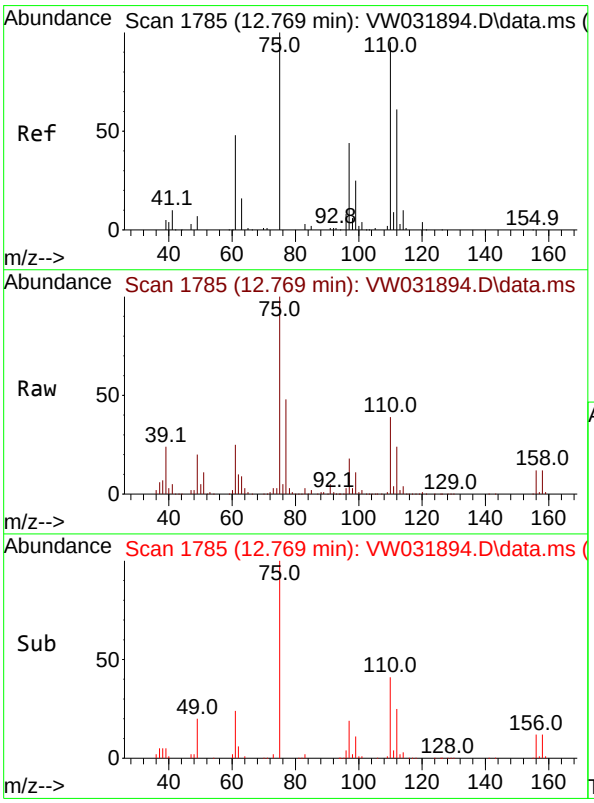
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.5	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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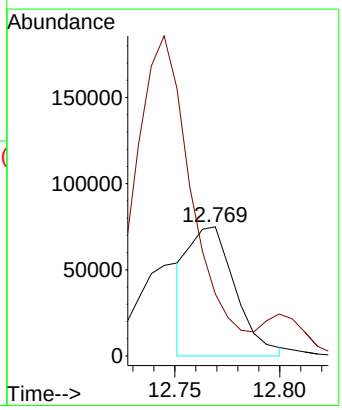


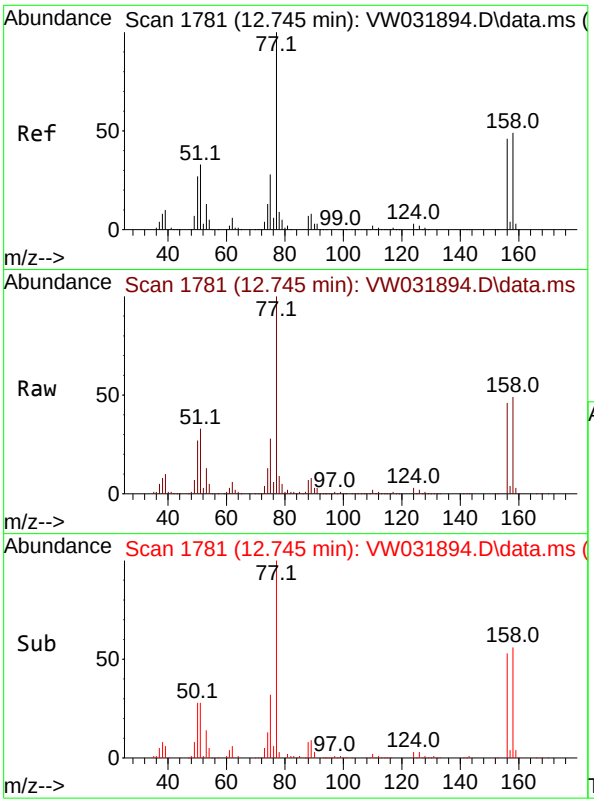


#76
1,2,3-Trichloropropane
Concen: 50.431 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 116529

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

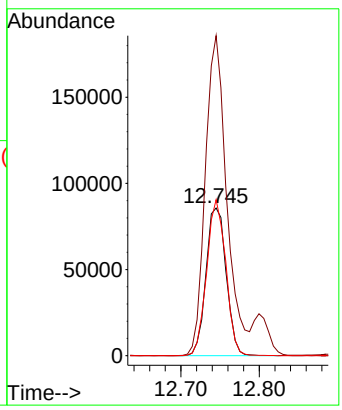




#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:156 Resp: 15336

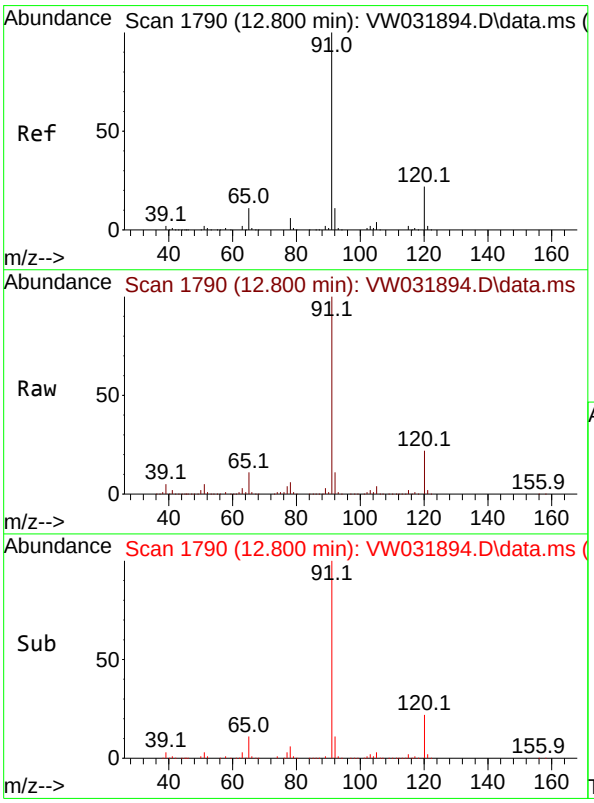
Ion	Ratio	Lower	Upper
156	100		
77	230.5	115.3	345.8
158	100.2	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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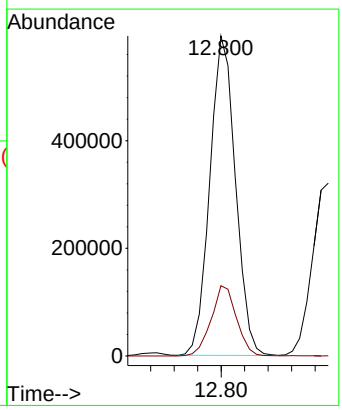
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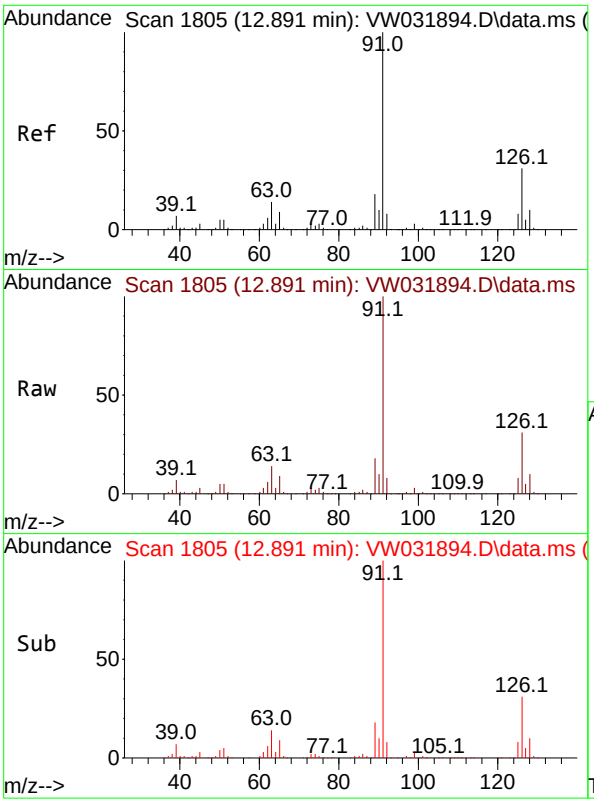


#78
n-propylbenzene
Concen: 50.036 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 91 Resp: 899940

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 49.215 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

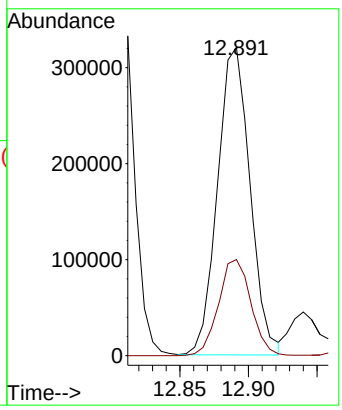
Tgt Ion: 91 Resp: 52850

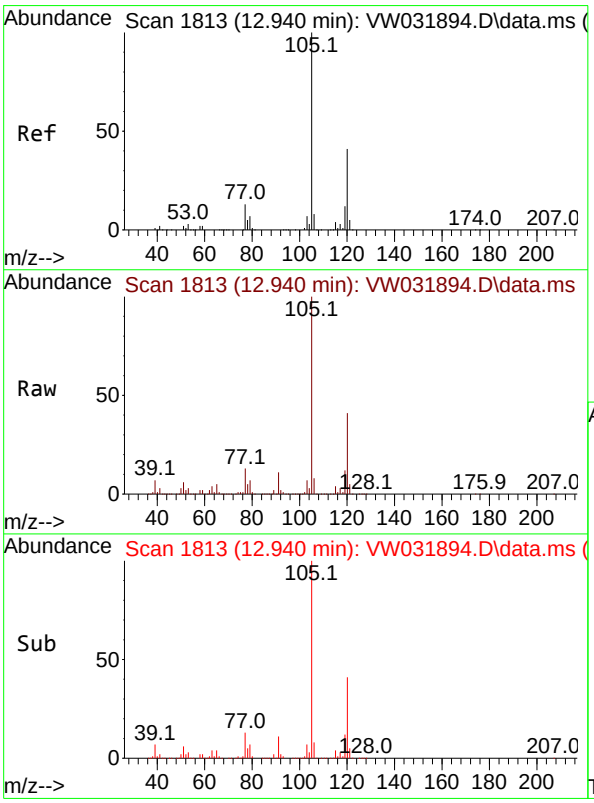
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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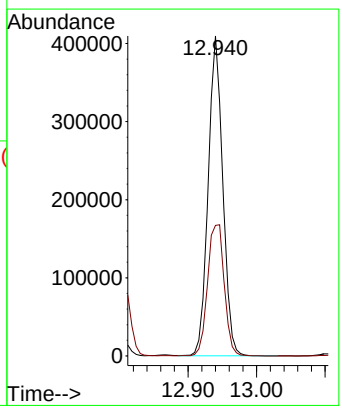


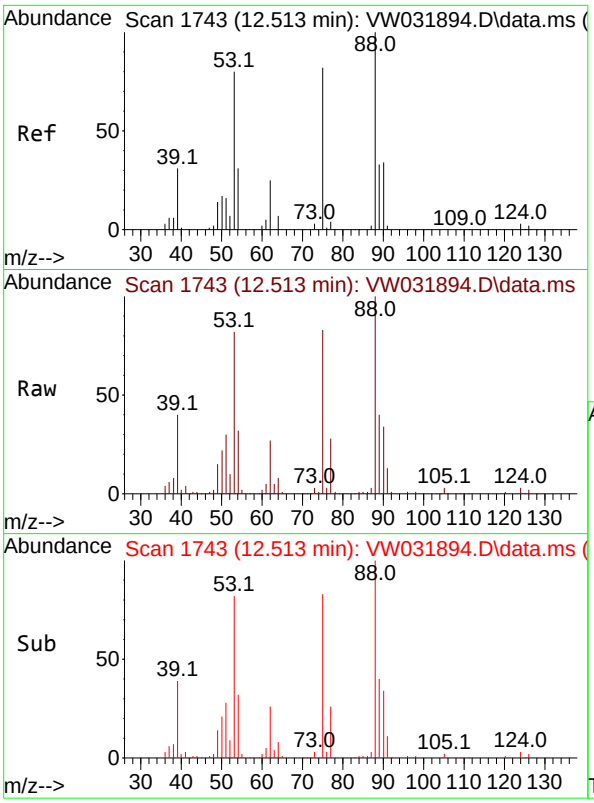


#80
1,3,5-Trimethylbenzene
Concen: 49.373 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:105 Resp: 606401

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 50.242 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

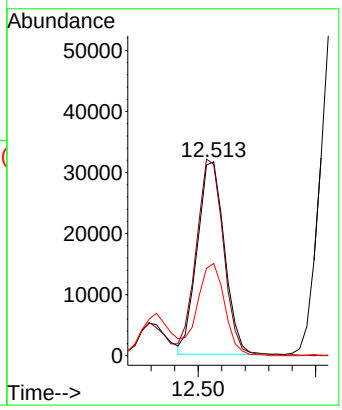
Tgt Ion: 75 Resp: 5071

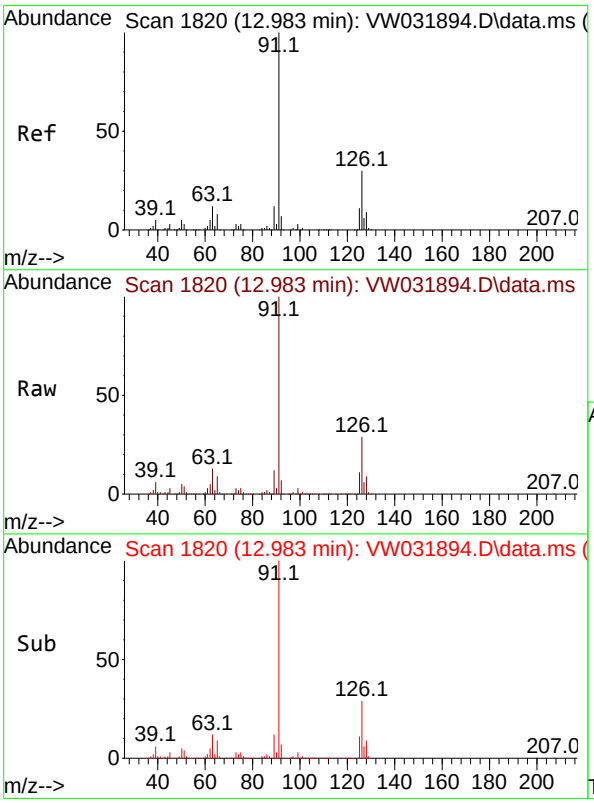
Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.7	125.5
89	48.8	39.0	58.6

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MSVOA_W
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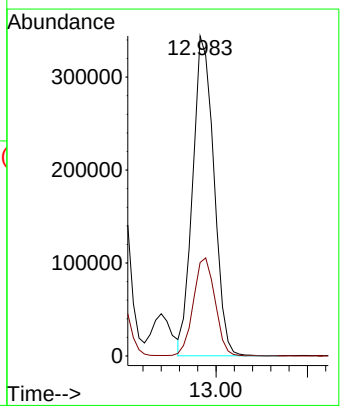


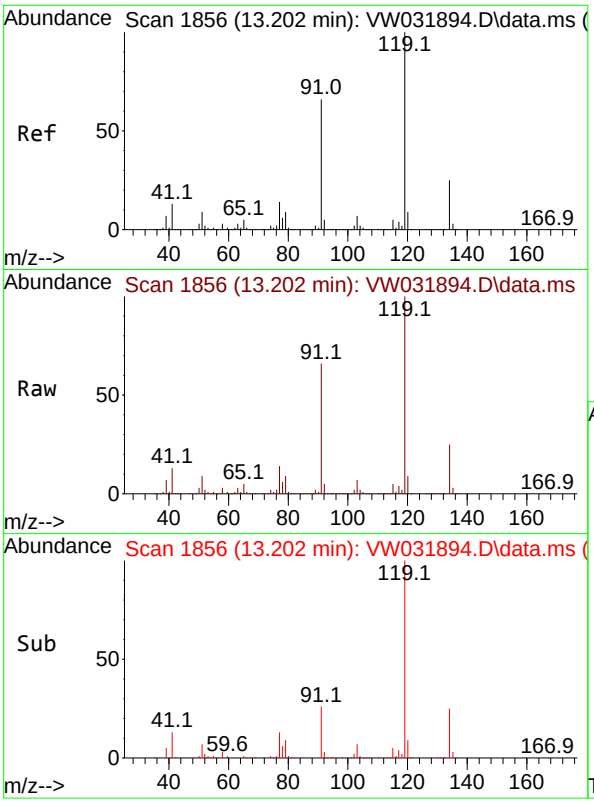


#82
4-Chlorotoluene
Concen: 49.113 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 91 Resp: 553292

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

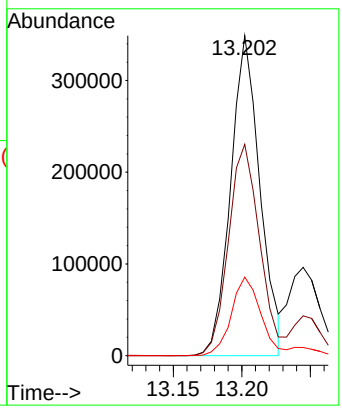




#83
tert-Butylbenzene
Concen: 49.685 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:119 Resp: 51979

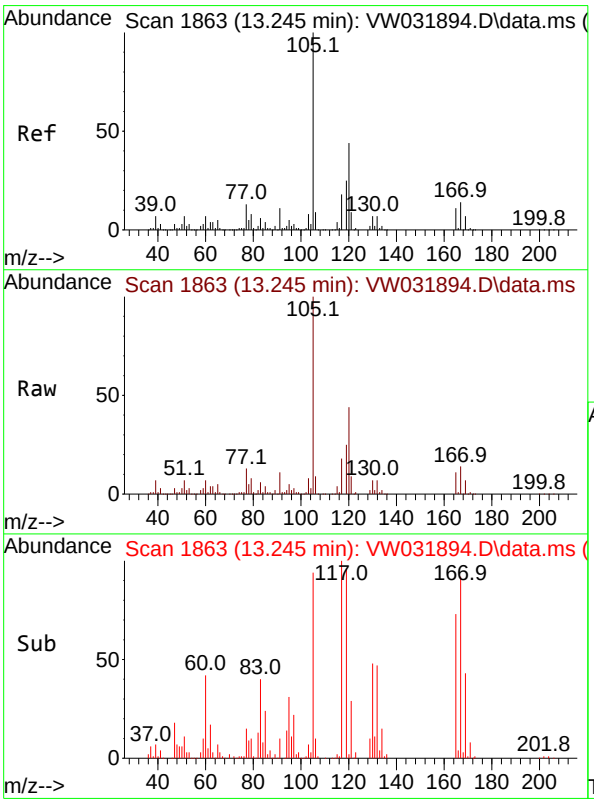
Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	24.7	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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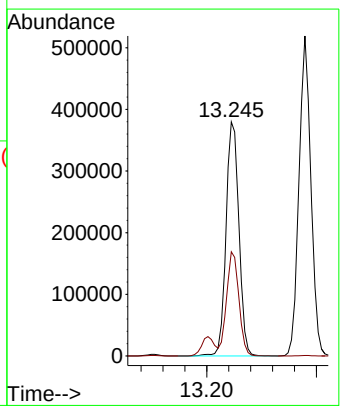
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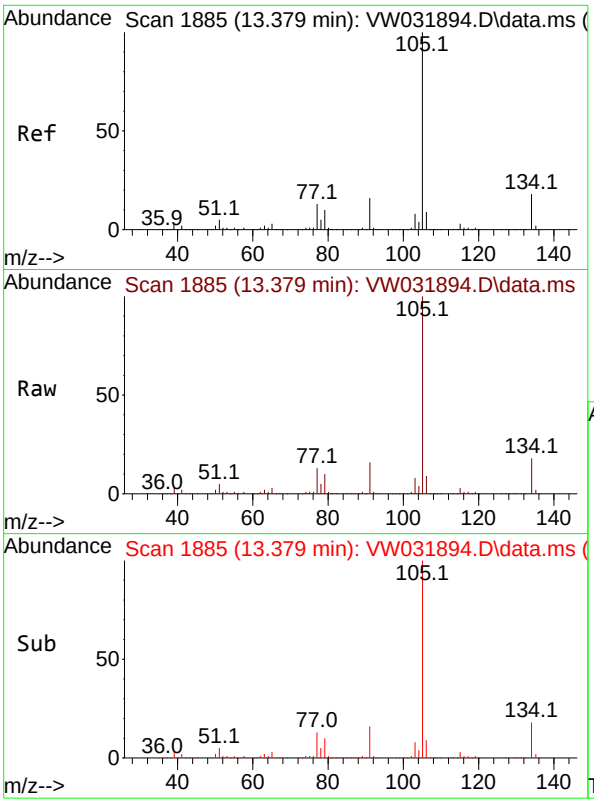


#84
1,2,4-Trimethylbenzene
Concen: 50.033 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:105 Resp: 621979

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.3	63.9





#85
sec-Butylbenzene
Concen: 49.619 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

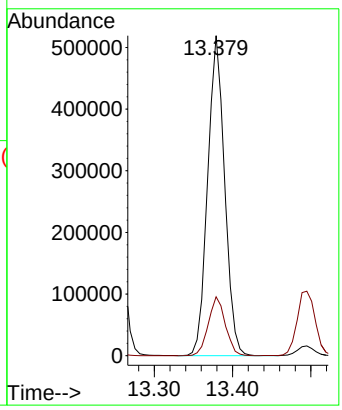
Tgt Ion:105 Resp: 77956

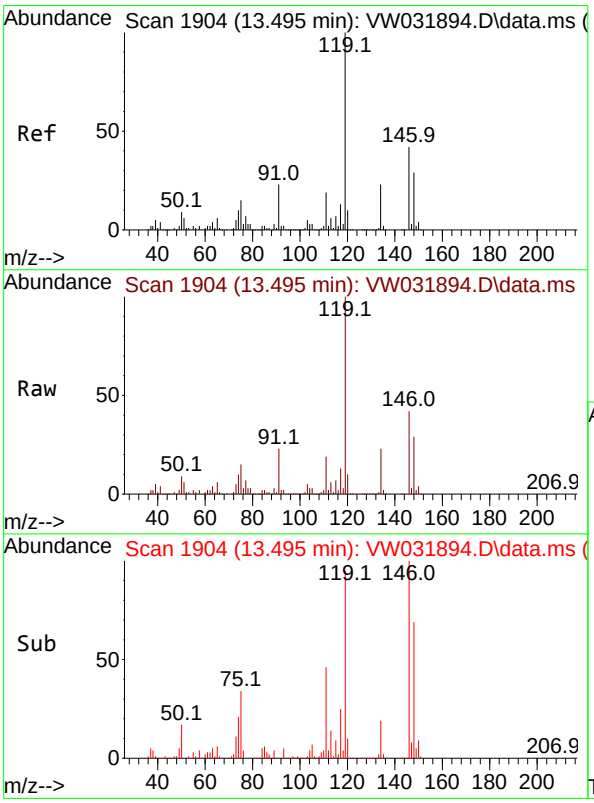
Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

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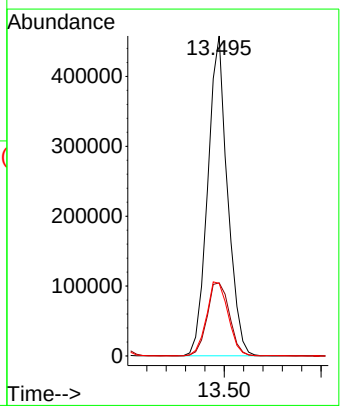


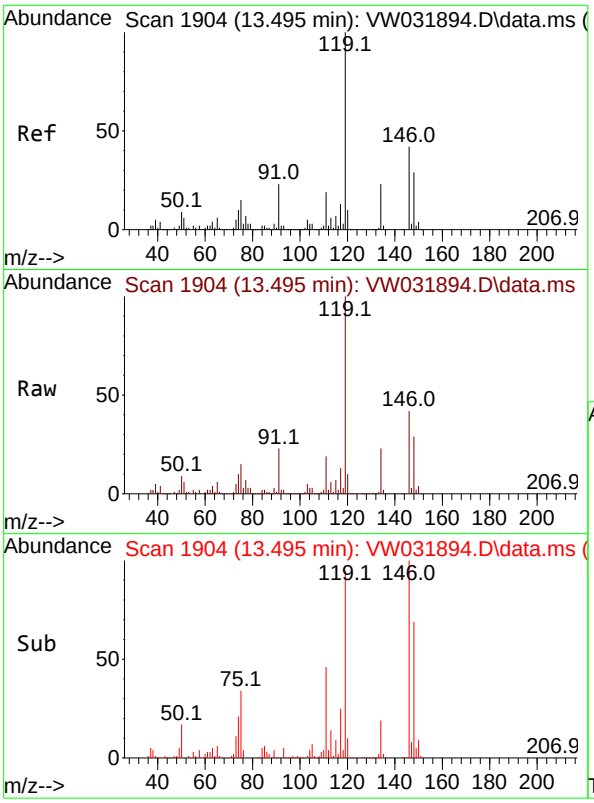


#86
p-Isopropyltoluene
Concen: 49.930 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:119 Resp: 648382

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.4	12.7	38.1

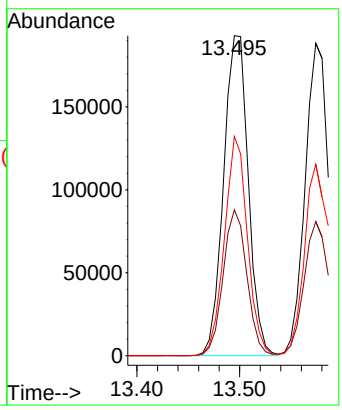




#87
1,3-Dichlorobenzene
Concen: 48.890 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:146 Resp: 32246

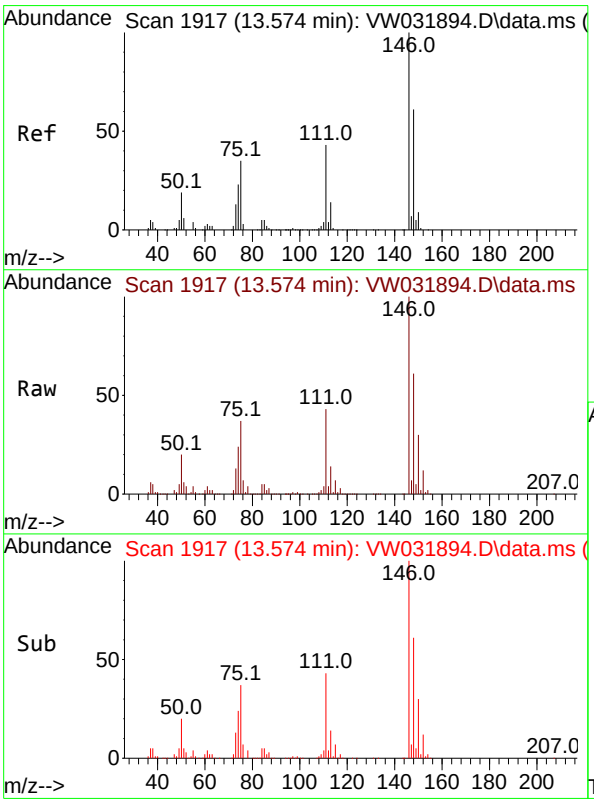
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.7	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

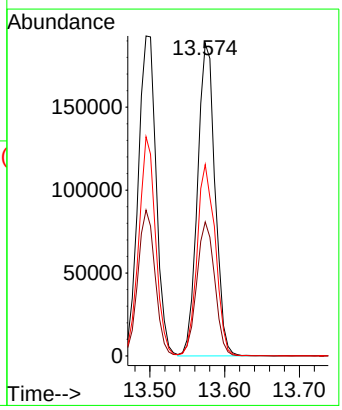
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

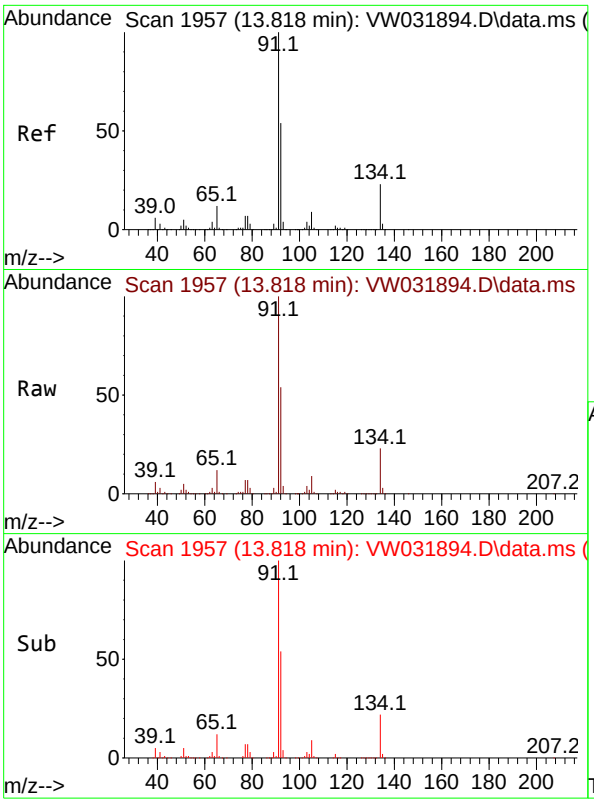


#88
1,4-Dichlorobenzene
Concen: 47.653 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:146 Resp: 307895

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	63.5	31.8	95.3

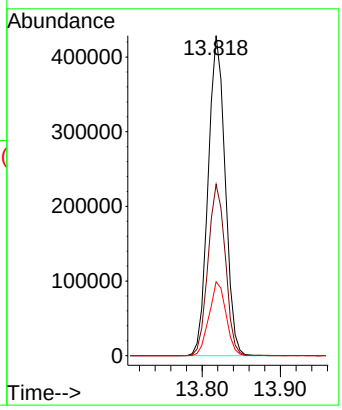




#89
n-Butylbenzene
Concen: 50.705 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 91 Resp: 64592

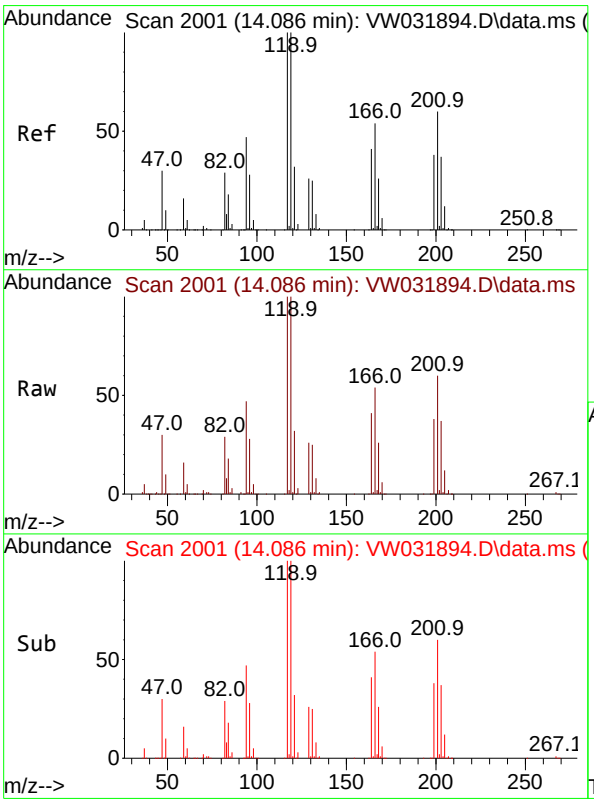
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	23.1	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

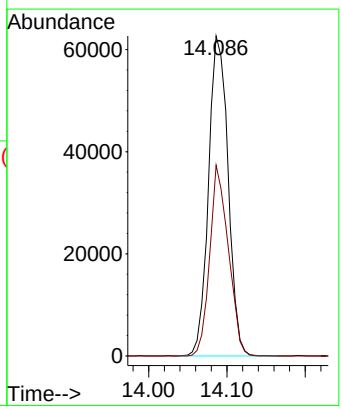
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

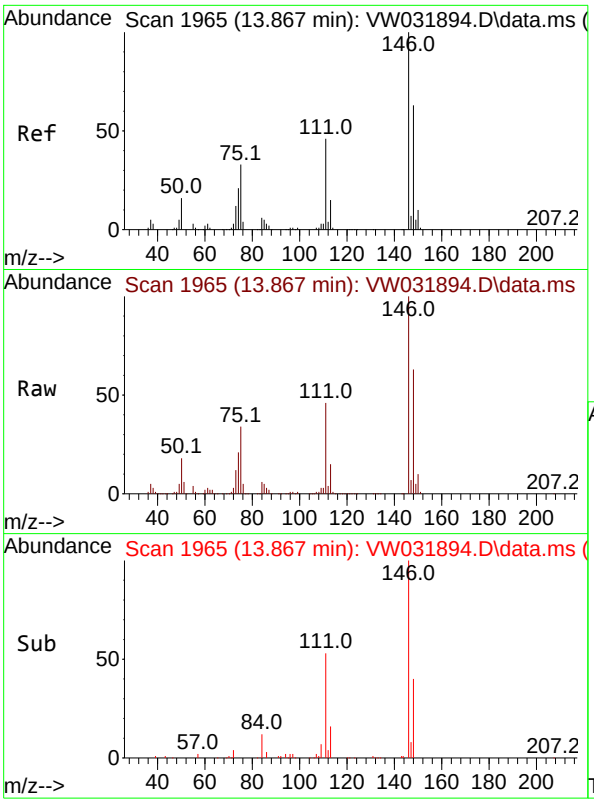


#90
Hexachloroethane
Concen: 48.355 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:117 Resp: 108580

Ion	Ratio	Lower	Upper
117	100		
201	56.8	28.4	85.2

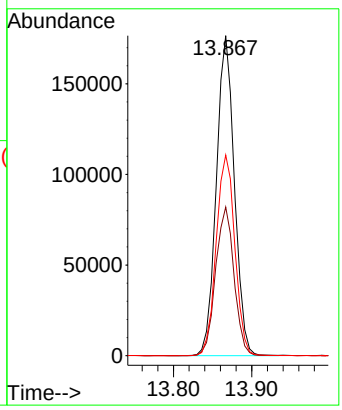




#91
1,2-Dichlorobenzene
Concen: 48.433 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:146 Resp: 28310

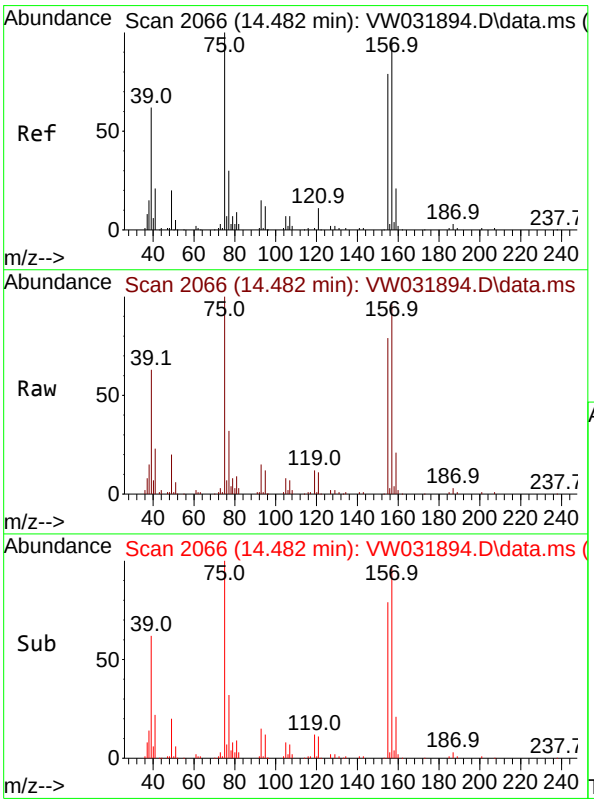
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.6	71.0
148	64.8	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

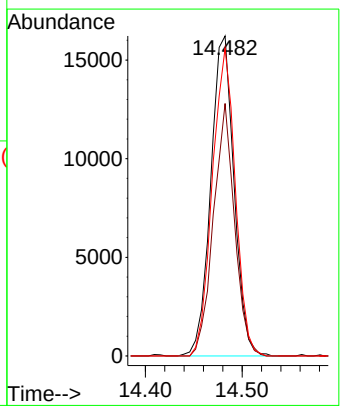
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

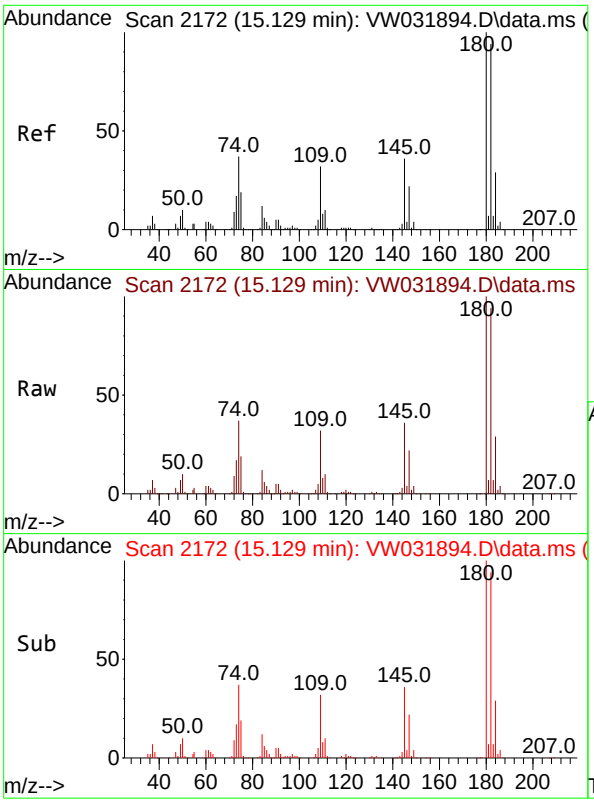


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.235 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 27088

Ion	Ratio	Lower	Upper
75	100		
155	71.8	35.9	107.7
157	94.8	47.4	142.2

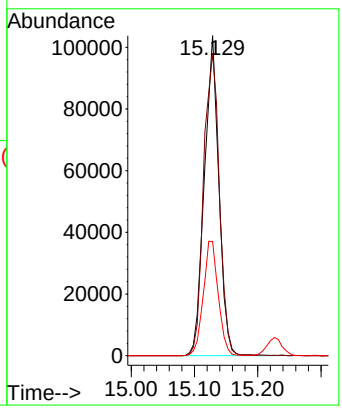




#93
1,2,4-Trichlorobenzene
Concen: 47.124 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:180 Resp: 16611

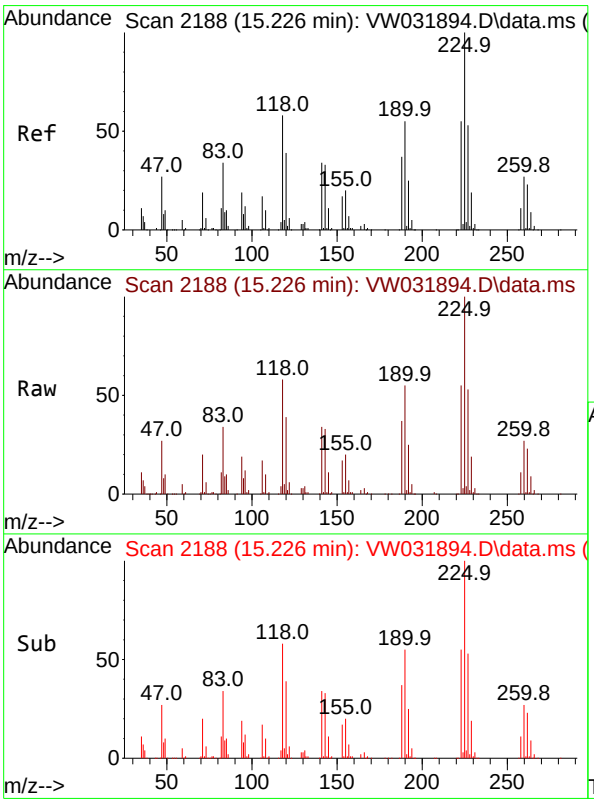
Ion	Ratio	Lower	Upper
180	100		
182	102.1	51.0	153.1
145	36.9	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

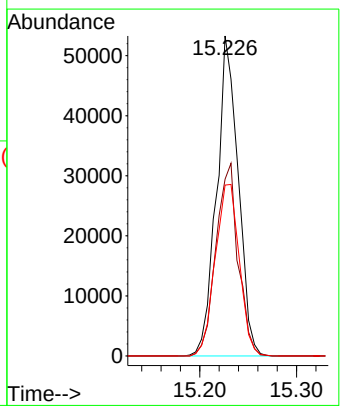
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

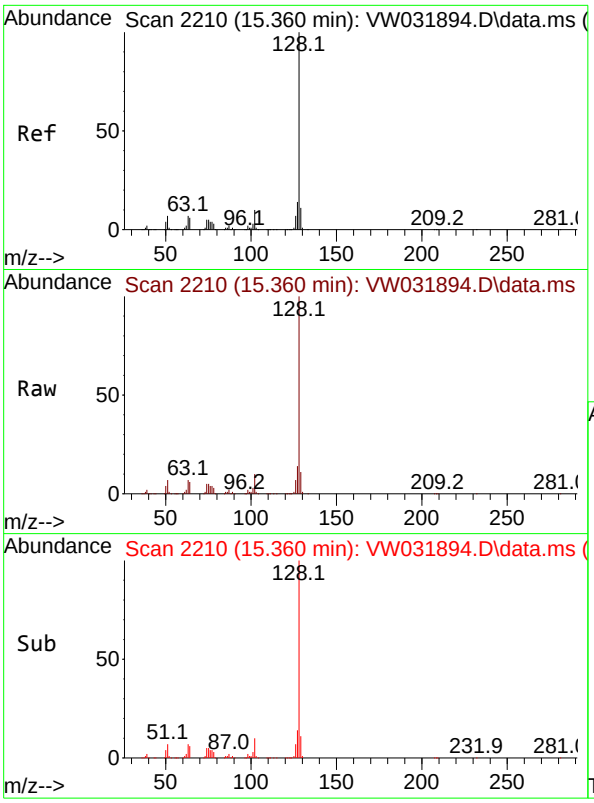


#94
Hexachlorobutadiene
Concen: 49.399 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:225 Resp: 82516

Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.7
227	60.1	30.0	90.1

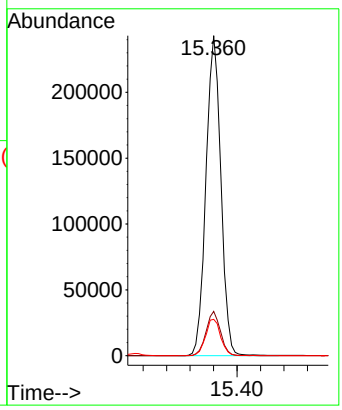




#95
Naphthalene
Concen: 49.367 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:128 Resp: 42784

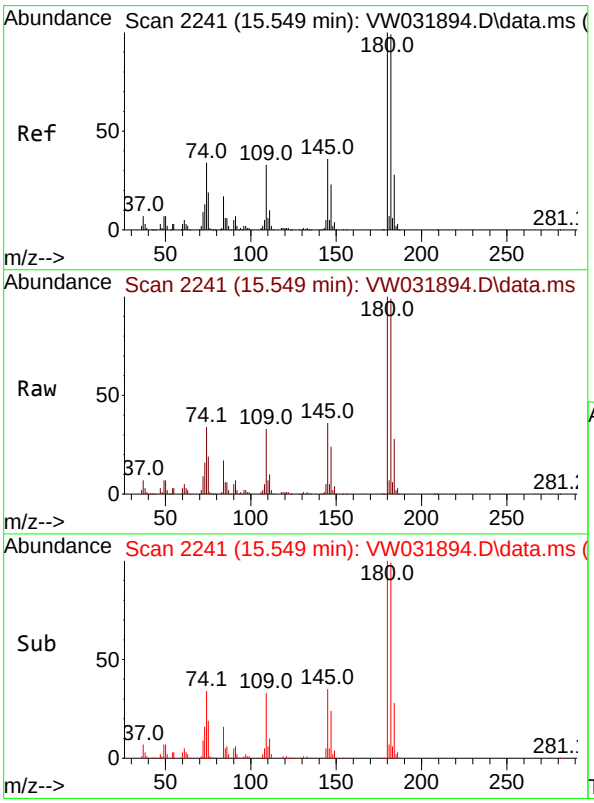
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.5	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

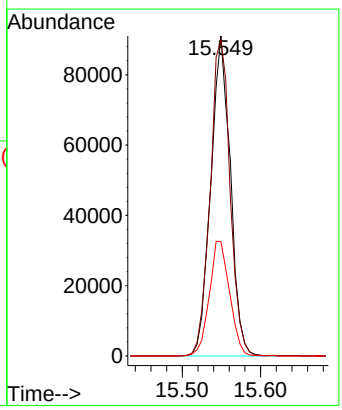
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.413 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:180 Resp: 157823

Ion	Ratio	Lower	Upper
180	100		
182	100.8	50.4	151.2
145	37.2	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	221447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	402410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	317755	94.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155			Recovery = 189.700%#		
35) Dibromofluoromethane	7.892	113	265829	97.216	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134			Recovery = 194.440%#		
50) Toluene-d8	10.325	98	1013207	97.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123			Recovery = 195.800%#		
62) 4-Bromofluorobenzene	12.617	95	383449	96.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146			Recovery = 192.980%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	163348	99.248	ug/l	99
3) Chloromethane	2.259	50	203485	96.326	ug/l	98
4) Vinyl Chloride	2.405	62	273463	99.654	ug/l	99
5) Bromomethane	2.820	94	198486	98.226	ug/l	99
6) Chloroethane	2.966	64	181340	100.126	ug/l	99
7) Trichlorofluoromethane	3.301	101	276765	99.578	ug/l	96
8) Diethyl Ether	3.722	74	177440	95.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	258448	96.675	ug/l	99
10) Methyl Iodide	4.307	142	396765	99.264	ug/l	100
11) Tert butyl alcohol	5.216	59	108215	549.558	ug/l	100
12) 1,1-Dichloroethene	4.076	96	295280	100.001	ug/l	93
13) Acrolein	3.929	56	126741	529.499	ug/l	100
14) Allyl chloride	4.704	41	461159	100.325	ug/l	99
15) Acrylonitrile	5.399	53	434270	523.190	ug/l	99
16) Acetone	4.161	43	372157	468.167	ug/l	98
17) Carbon Disulfide	4.417	76	778367	101.641	ug/l	98
18) Methyl Acetate	4.704	43	233619	106.673	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	510872	100.133	ug/l	99
20) Methylene Chloride	4.954	84	323479	99.782	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	309509	98.792	ug/l	98
22) Diisopropyl ether	6.338	45	919619	99.982	ug/l	98
23) Vinyl Acetate	6.277	43	3184428	529.933	ug/l	99
24) 1,1-Dichloroethane	6.246	63	571894	99.864	ug/l	99
25) 2-Butanone	7.191	43	563092	517.723	ug/l	96
26) 2,2-Dichloropropane	7.179	77	310099	95.647	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	374781	101.755	ug/l	99
28) Bromochloromethane	7.532	49	239942	100.070	ug/l	98
29) Tetrahydrofuran	7.551	42	380062	532.985	ug/l	100
30) Chloroform	7.691	83	597178	99.456	ug/l	96
31) Cyclohexane	7.971	56	487369	94.861	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	447021	97.836	ug/l	99
36) 1,1-Dichloropropene	8.093	75	424179	101.012	ug/l	100
37) Ethyl Acetate	7.270	43	255825	106.793	ug/l	100
38) Carbon Tetrachloride	8.081	117	415729	103.155	ug/l	92
39) Methylcyclohexane	9.343	83	554981	105.017	ug/l	96
40) Benzene	8.337	78	1262395	101.554	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	151519	107.383 ug/l	97
42) 1,2-Dichloroethane	8.410	62	408100	102.578 ug/l	100
43) Isopropyl Acetate	8.435	43	474069	109.315 ug/l	99
44) Trichloroethene	9.099	130	301416	102.011 ug/l	98
45) 1,2-Dichloropropane	9.374	63	303214	101.282 ug/l	99
46) Dibromomethane	9.465	93	189553	102.141 ug/l	95
47) Bromodichloromethane	9.648	83	468786	105.344 ug/l	99
48) Methyl methacrylate	9.441	41	226471	109.767 ug/l	100
49) 1,4-Dioxane	9.465	88	43032	2323.819 ug/l #	84
51) 4-Methyl-2-Pentanone	10.209	43	1288323	542.828 ug/l	100
52) Toluene	10.392	92	803397	100.537 ug/l	98
53) t-1,3-Dichloropropene	10.605	75	463061	108.477 ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	519672	106.602 ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	254950	103.424 ug/l	96
56) Ethyl methacrylate	10.648	69	392187	112.649 ug/l	99
57) 1,3-Dichloropropane	10.934	76	454447	104.643 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	981034	548.592 ug/l	99
59) 2-Hexanone	10.965	43	892662	541.101 ug/l	99
60) Dibromochloromethane	11.129	129	310954	108.191 ug/l	97
61) 1,2-Dibromoethane	11.239	107	255989	105.093 ug/l	98
64) Tetrachloroethene	10.861	164	236845	96.662 ug/l	88
65) Chlorobenzene	11.654	112	886811	97.499 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	280110	99.339 ug/l	99
67) Ethyl Benzene	11.727	91	1560463	97.646 ug/l	98
68) m/p-Xylenes	11.837	106	1180270	196.185 ug/l	98
69) o-Xylene	12.166	106	571902	100.449 ug/l	98
70) Styrene	12.178	104	948526	97.850 ug/l	97
71) Bromoform	12.349	173	166090	107.703 ug/l #	99
73) Isopropylbenzene	12.458	105	1460308	106.348 ug/l	100
74) N-amyl acetate	12.269	43	417442	112.451 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	310725	106.608 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	232716m	107.409 ug/l	
77) Bromobenzene	12.745	156	308168	103.725 ug/l	97
78) n-propylbenzene	12.800	91	1765379	104.679 ug/l	100
79) 2-Chlorotoluene	12.891	91	1046552	103.935 ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1241824	107.831 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	110340	116.589 ug/l	96
82) 4-Chlorotoluene	12.989	91	1070989	101.386 ug/l	100
83) tert-Butylbenzene	13.202	119	1052310	107.273 ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1198796	102.845 ug/l	99
85) sec-Butylbenzene	13.379	105	1502744	102.008 ug/l	98
86) p-Isopropyltoluene	13.495	119	1283789	105.433 ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	625716	101.175 ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	614573	101.442 ug/l	98
89) n-Butylbenzene	13.818	91	1255431	105.103 ug/l	99
90) Hexachloroethane	14.092	117	225644	107.168 ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	570249	104.043 ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	57065	108.370 ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	370704	112.151 ug/l	89
94) Hexachlorobutadiene	15.226	225	166160	106.085 ug/l	99
95) Naphthalene	15.360	128	922104	113.469 ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	329679	110.082 ug/l	91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

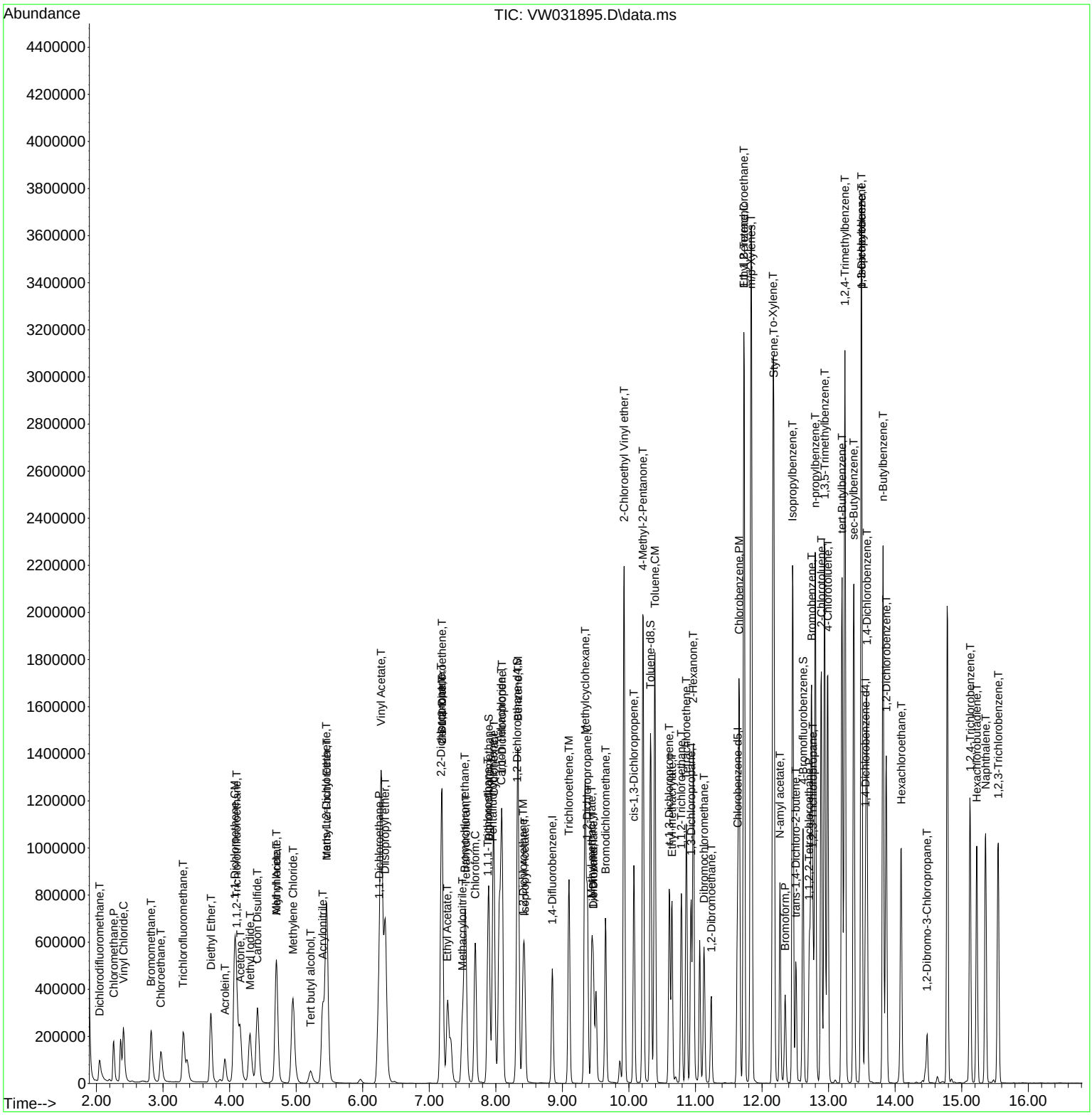
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Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

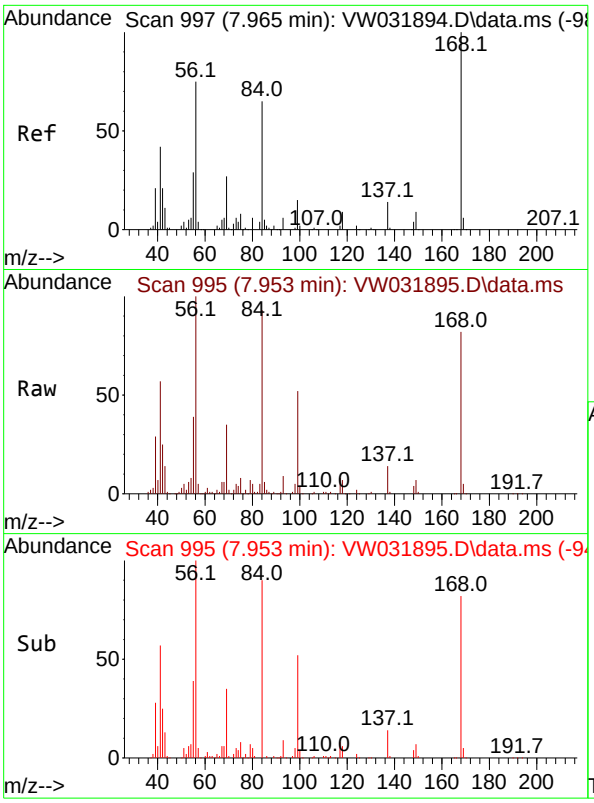
Quant Time: Jul 23 08:03:11 2025
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Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

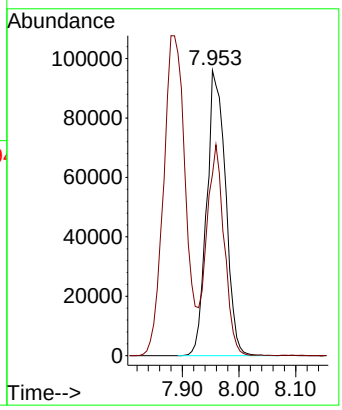




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:168 Resp: 22144

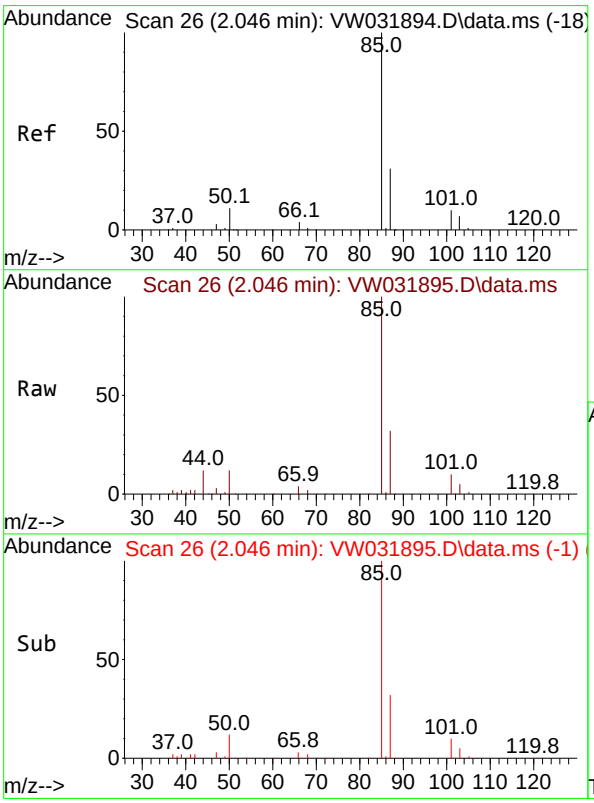
Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

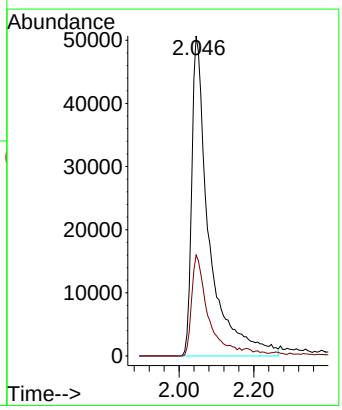
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

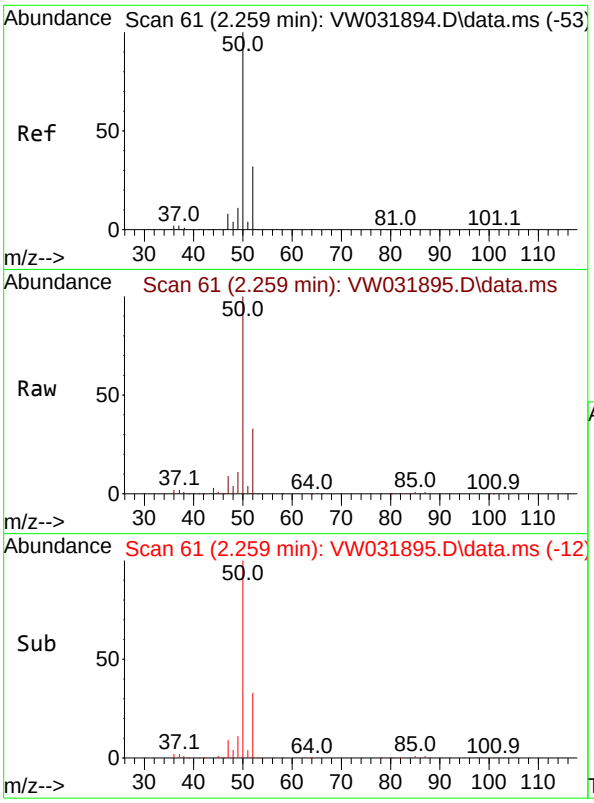


#2
Dichlorodifluoromethane
Concen: 99.248 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 85 Resp: 163348

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.5	46.5

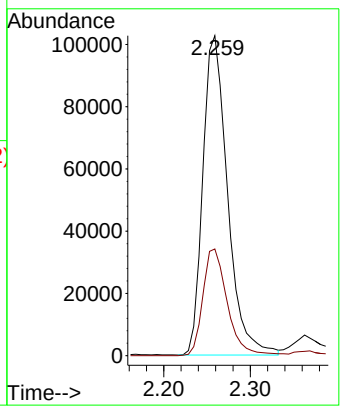




#3
Chloromethane
Concen: 96.326 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 50 Resp: 20348

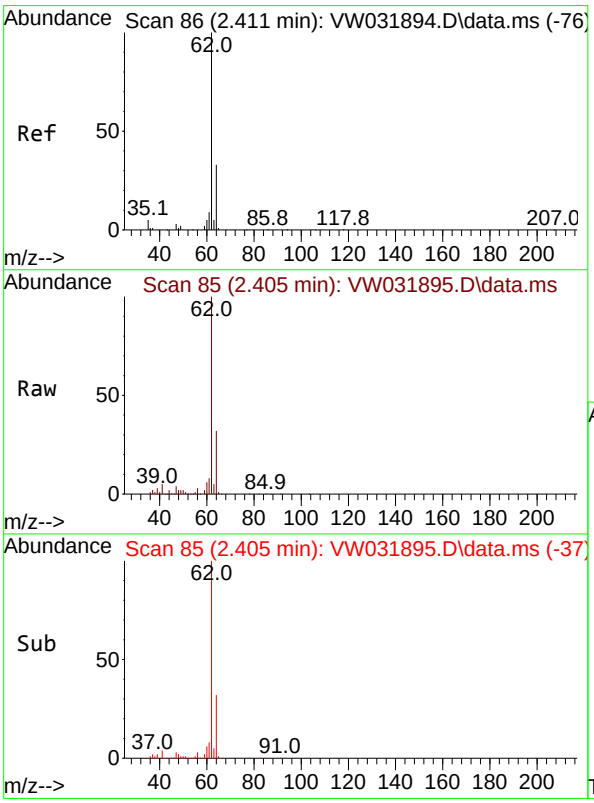
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

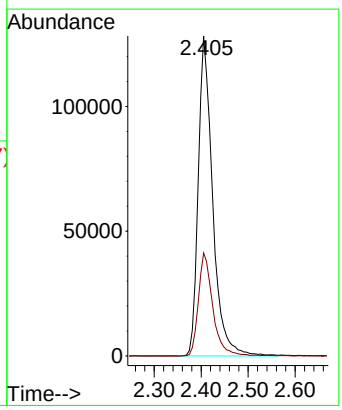
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

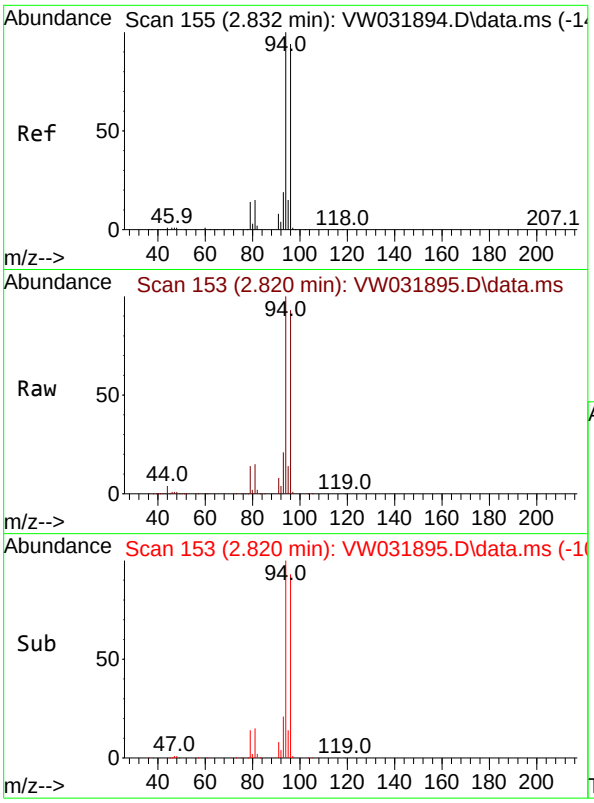


#4
Vinyl Chloride
Concen: 99.654 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 62 Resp: 273463

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.2

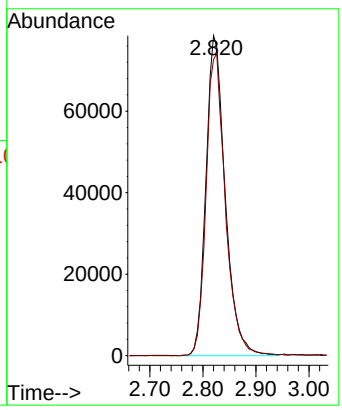




#5
Bromomethane
Concen: 98.226 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 94 Resp: 19848

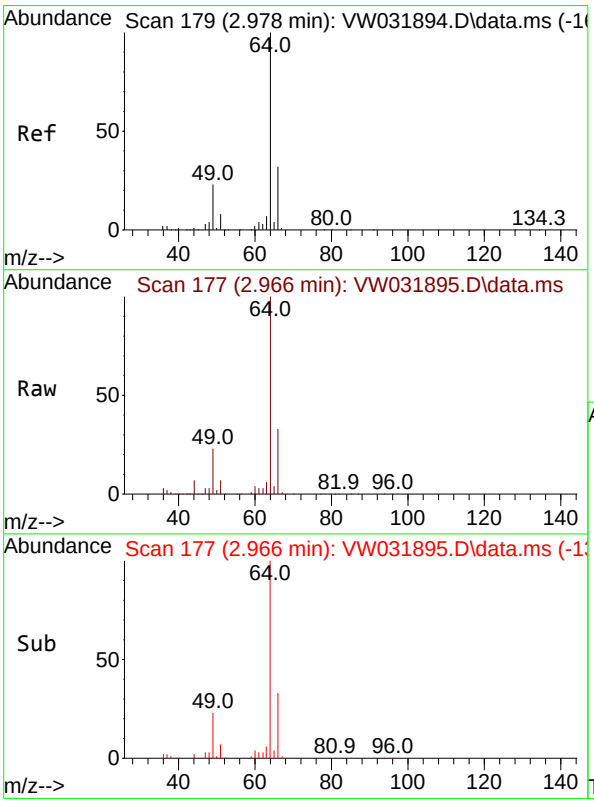
Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

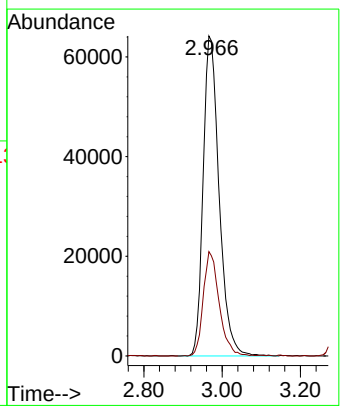
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

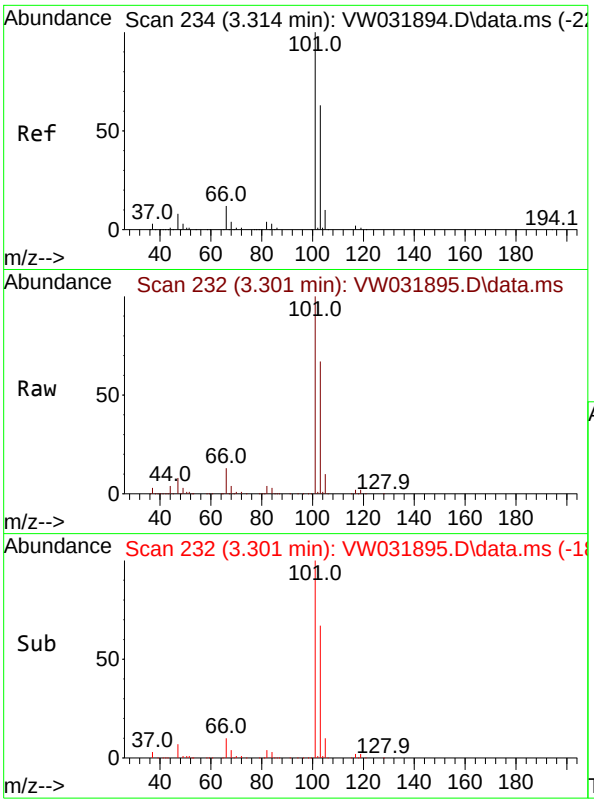


#6
Chloroethane
Concen: 100.126 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 64 Resp: 181340

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.6	38.4

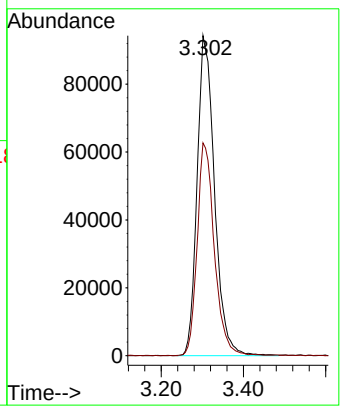




#7
Trichlorofluoromethane
Concen: 99.578 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:101 Resp: 27676

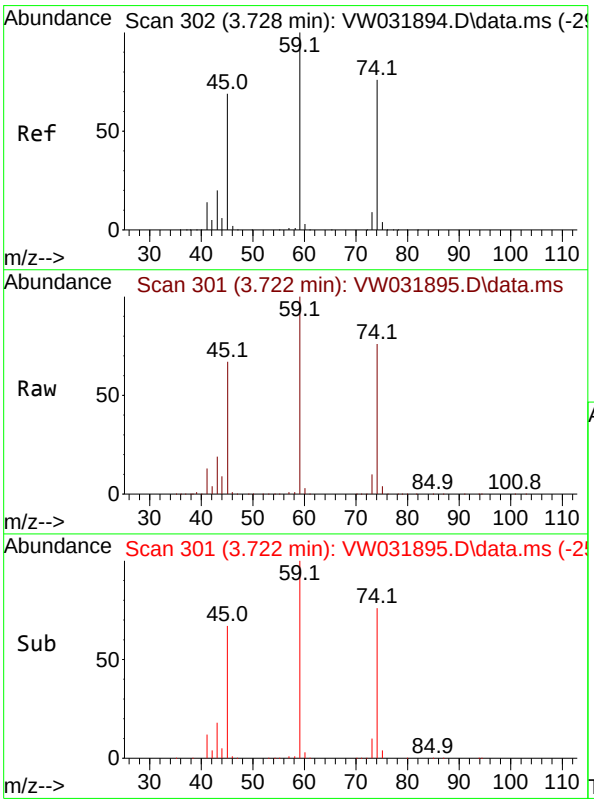
Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

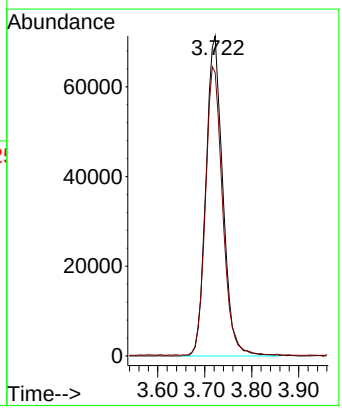
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

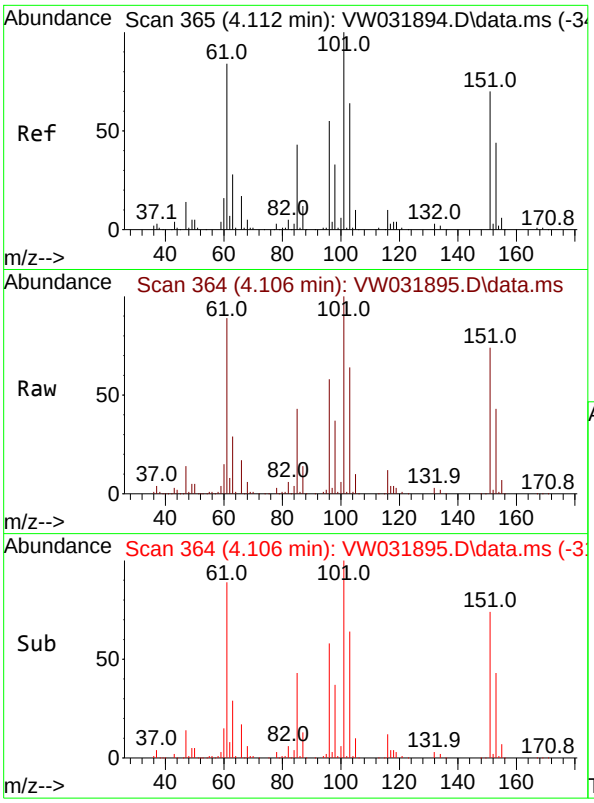


#8
Diethyl Ether
Concen: 95.572 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 74 Resp: 177440

Ion	Ratio	Lower	Upper
74	100		
45	91.3	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.675 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

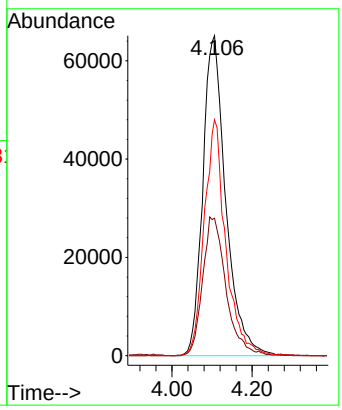
Tgt Ion:101 Resp: 25844

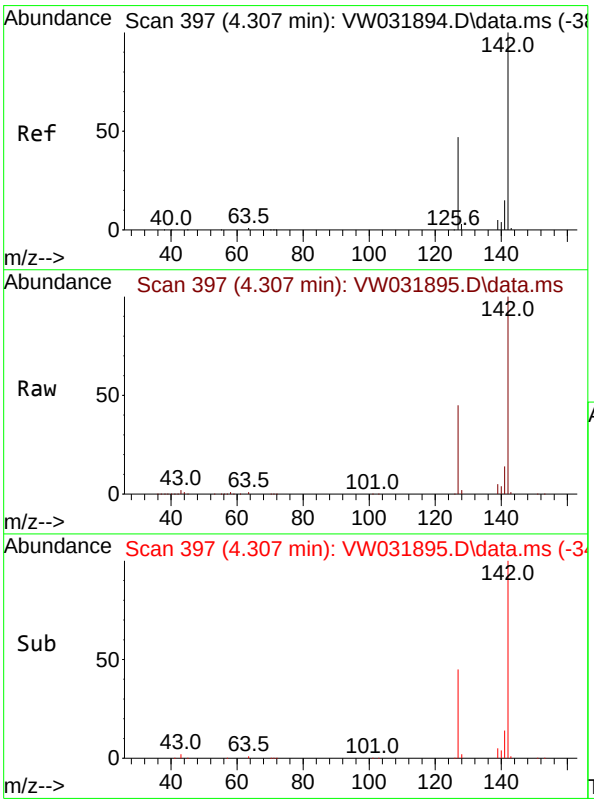
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.5	53.3
151	69.2	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

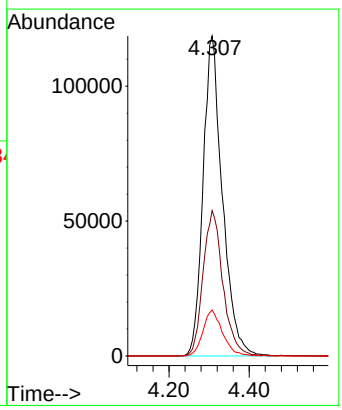


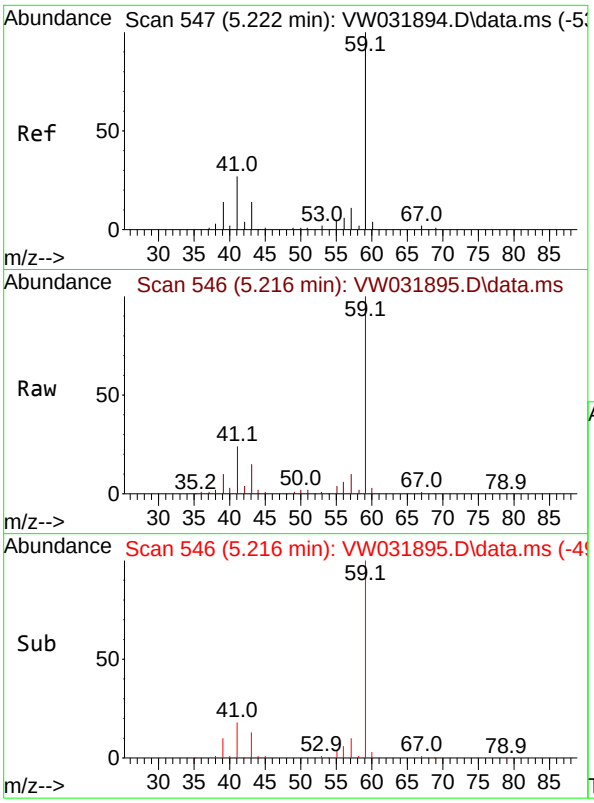


#10
Methyl Iodide
Concen: 99.264 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:142 Resp: 396765

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.4	56.2
141	14.5	11.9	17.9

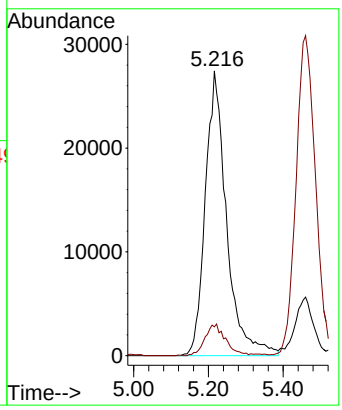




#11
Tert butyl alcohol
Concen: 549.558 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 59 Resp: 10821

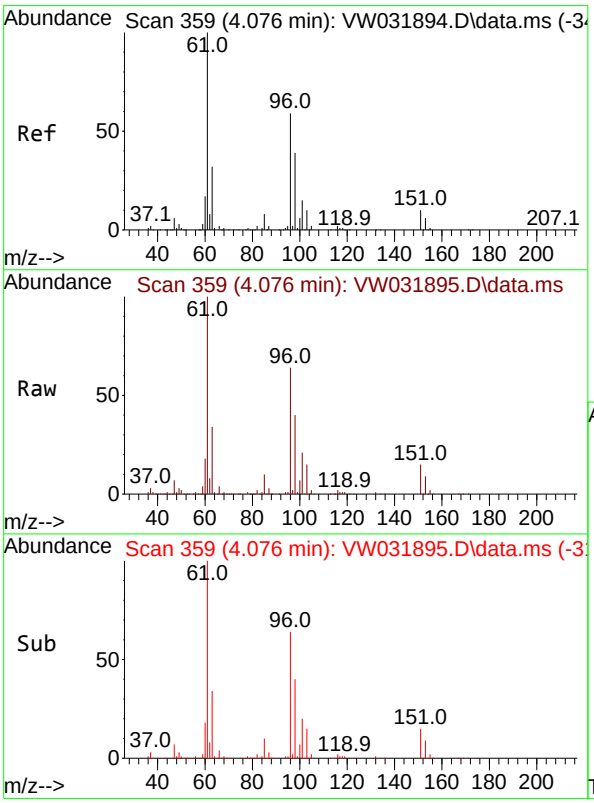
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

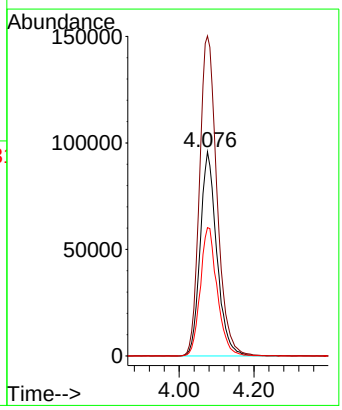
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

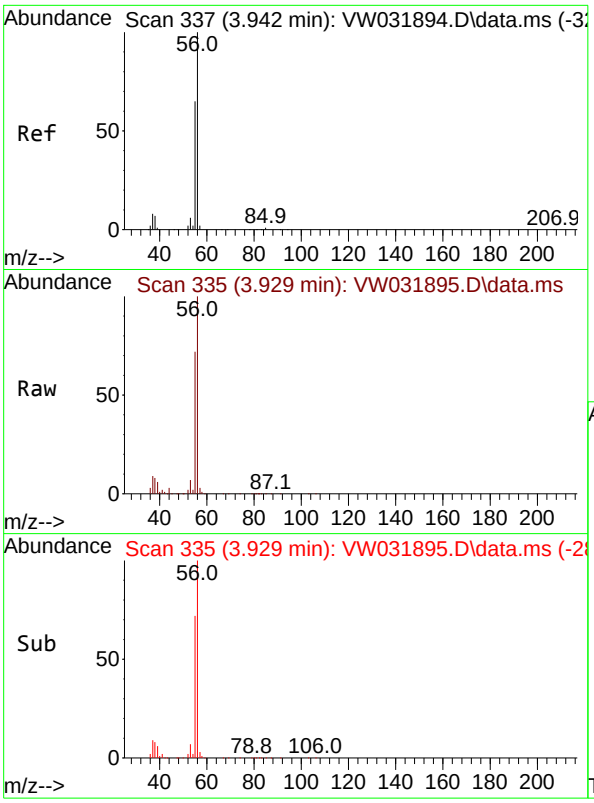


#12
1,1-Dichloroethene
Concen: 100.001 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 96 Resp: 295280

Ion	Ratio	Lower	Upper
96	100		
61	156.7	135.0	202.6
98	62.8	52.3	78.5

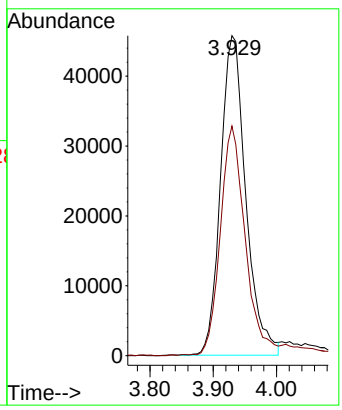




#13
Acrolein
Concen: 529.499 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 56 Resp: 12674

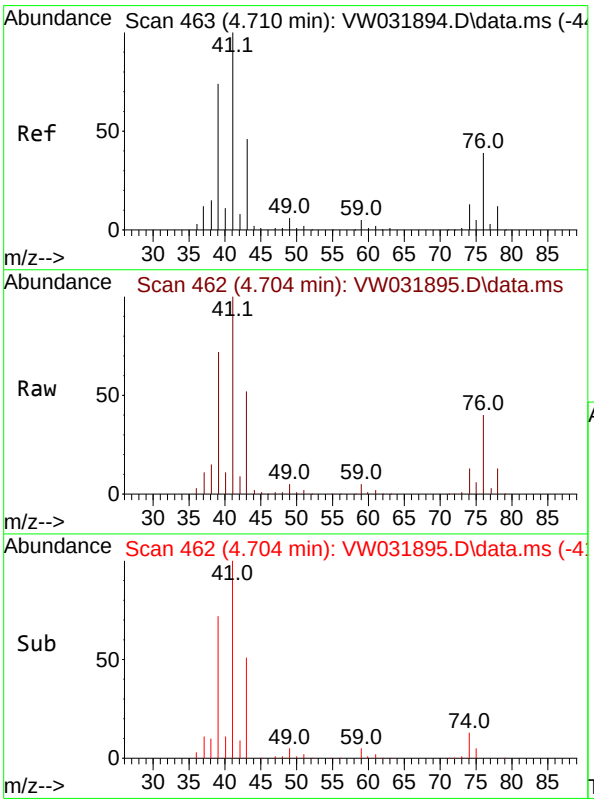
Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

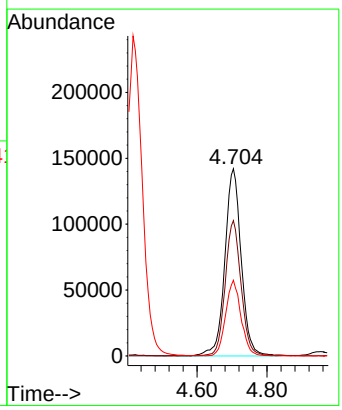
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

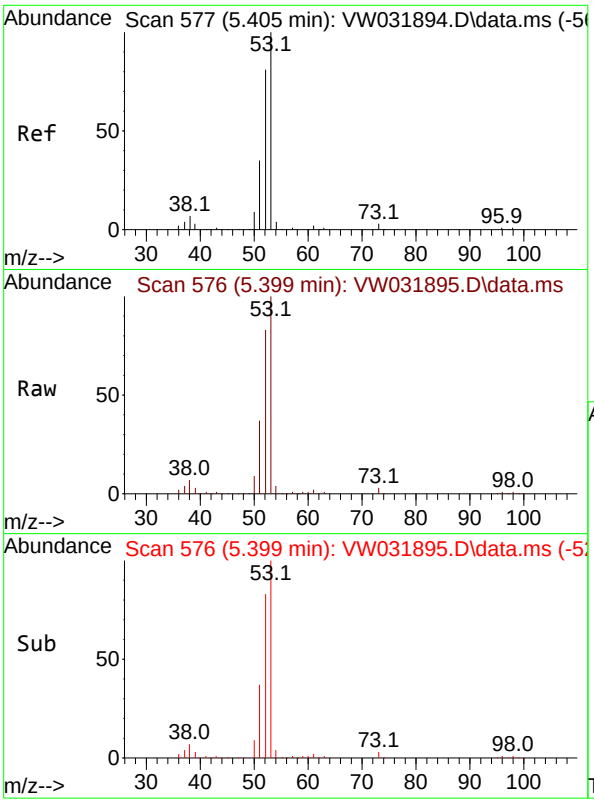


#14
Allyl chloride
Concen: 100.325 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 41 Resp: 461159

Ion	Ratio	Lower	Upper
41	100		
39	70.2	56.6	85.0
76	37.8	30.1	45.1

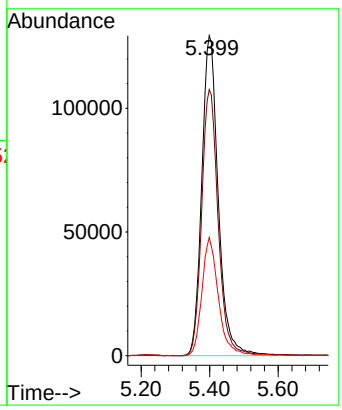




#15
Acrylonitrile
Concen: 523.190 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 53 Resp: 43427

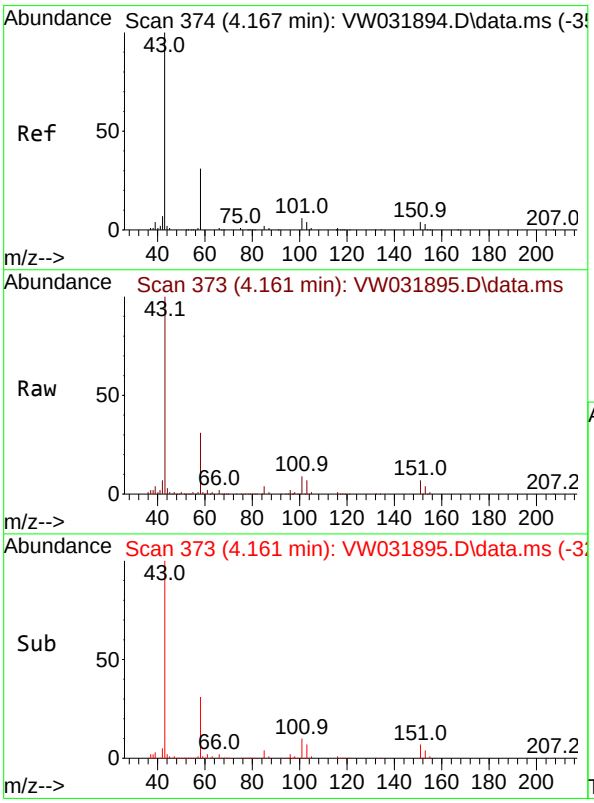
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.0	100.4
51	36.9	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

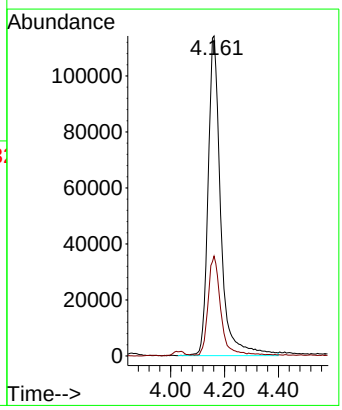
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

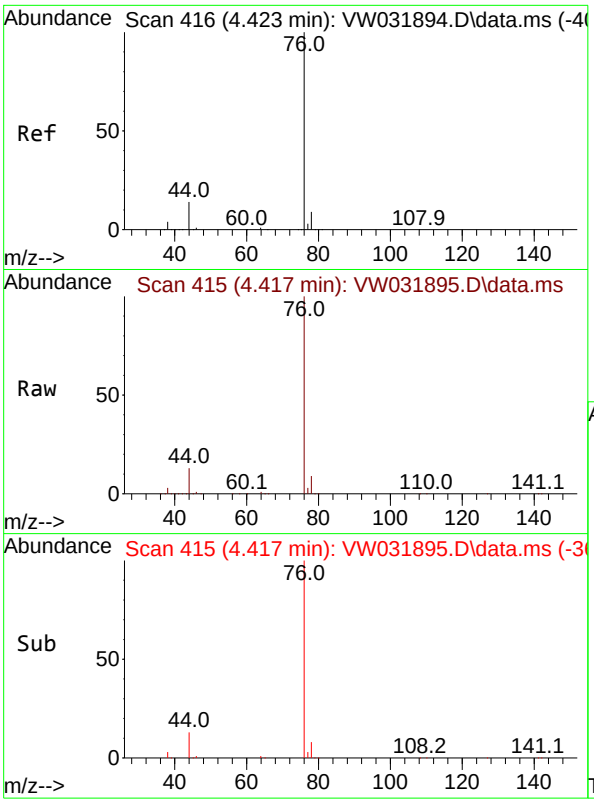


#16
Acetone
Concen: 468.167 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 372157

Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.5	38.3

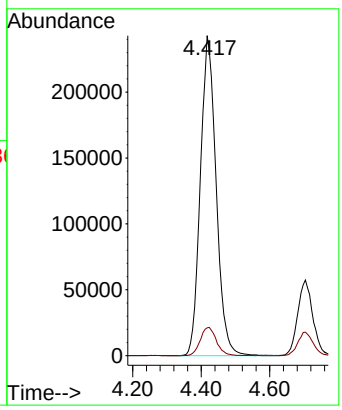




#17
Carbon Disulfide
Concen: 101.641 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 76 Resp: 77836

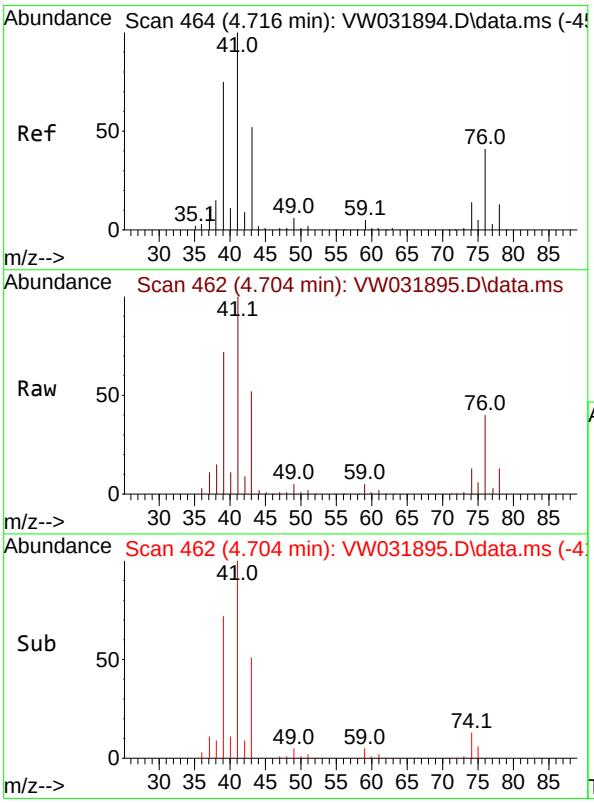
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

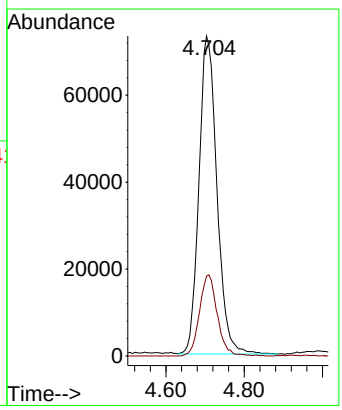
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

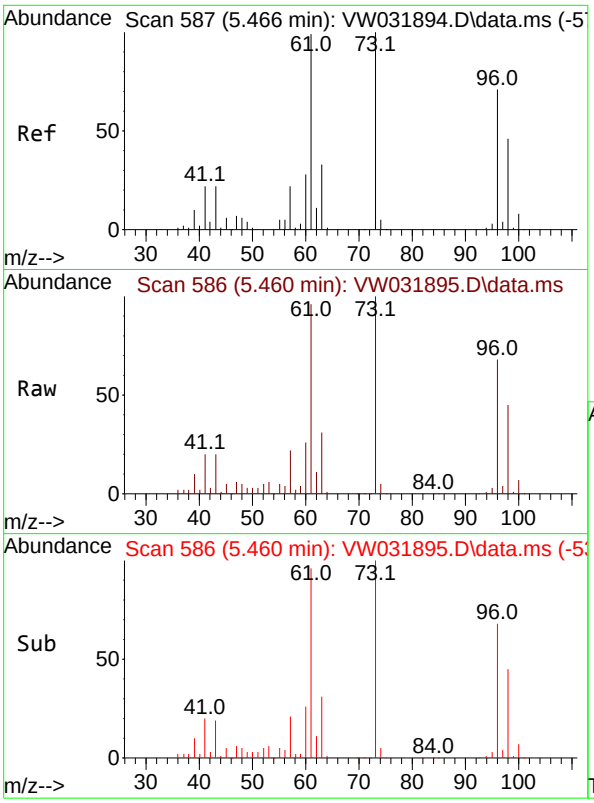


#18
Methyl Acetate
Concen: 106.673 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 233619

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.6	31.0





#19
Methyl tert-butyl Ether
Concen: 100.133 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

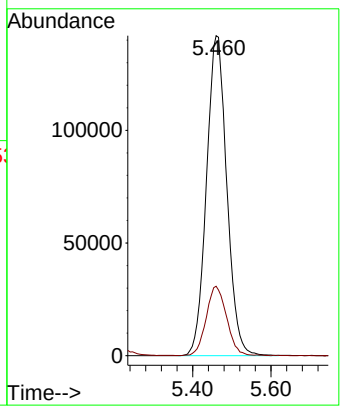
Tgt Ion: 73 Resp: 51087

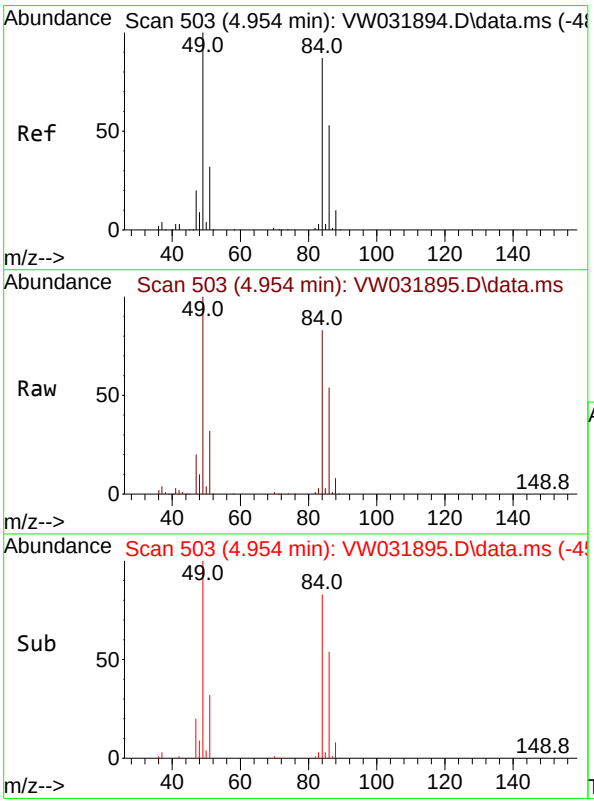
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

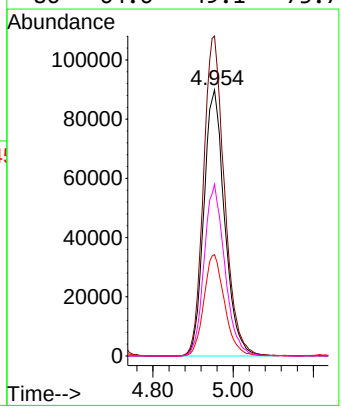


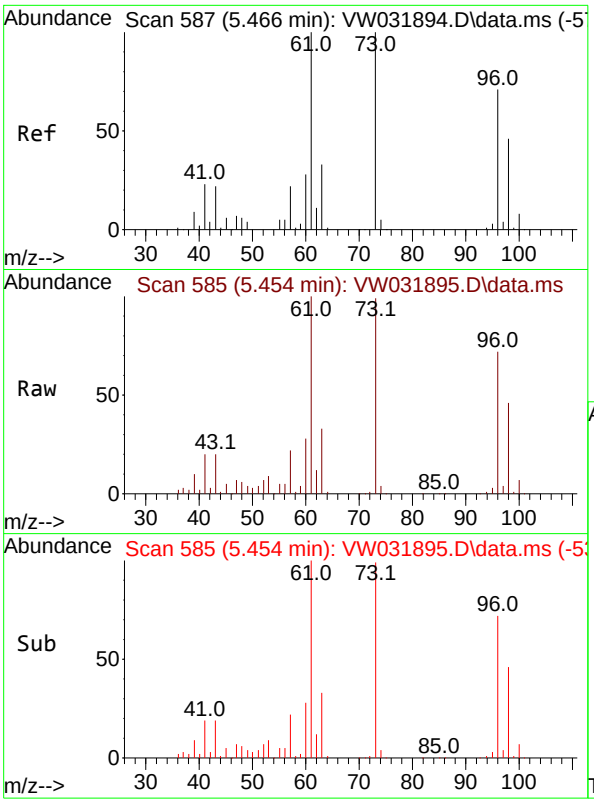


#20
Methylene Chloride
Concen: 99.782 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 84 Resp: 323479

Ion	Ratio	Lower	Upper
84	100		
49	120.2	91.9	137.9
51	38.1	29.0	43.6
86	64.6	49.1	73.7

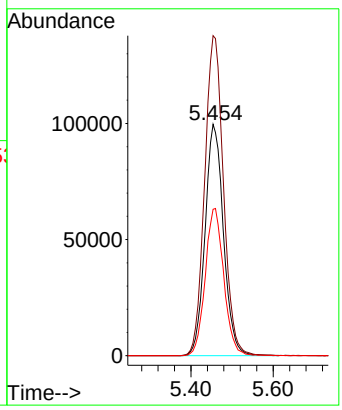




#21
trans-1,2-Dichloroethene
Concen: 98.792 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 96 Resp: 30950

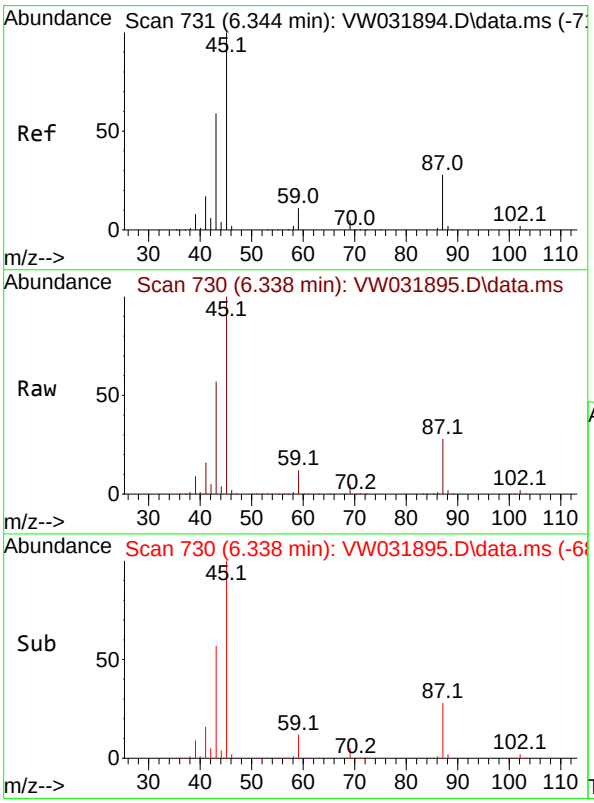
Ion	Ratio	Lower	Upper
96	100		
61	138.3	112.8	169.2
98	63.3	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

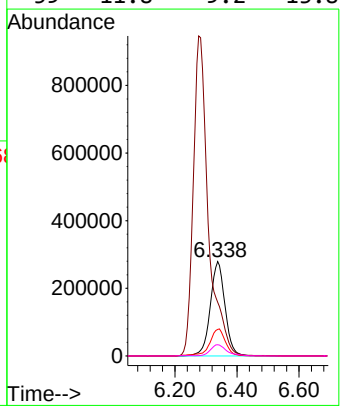
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

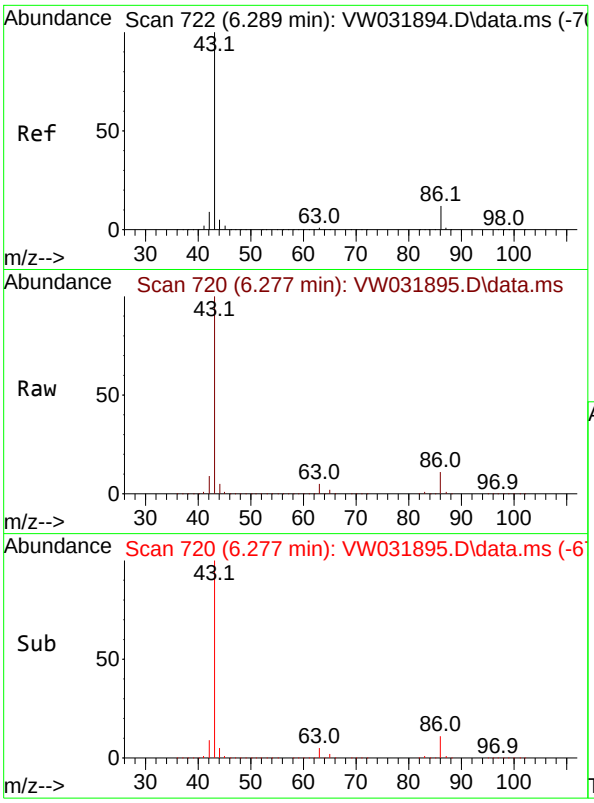


#22
Diisopropyl ether
Concen: 99.982 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 45 Resp: 919619

Ion	Ratio	Lower	Upper
45	100		
43	56.6	47.0	70.6
87	28.2	22.8	34.2
59	11.8	9.2	13.8

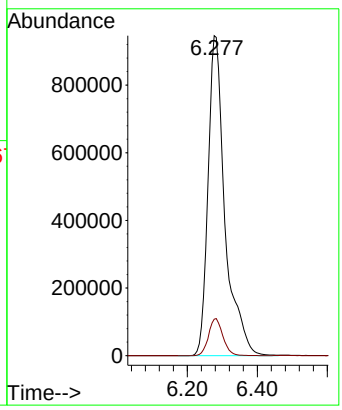




#23
Vinyl Acetate
Concen: 529.933 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 318442

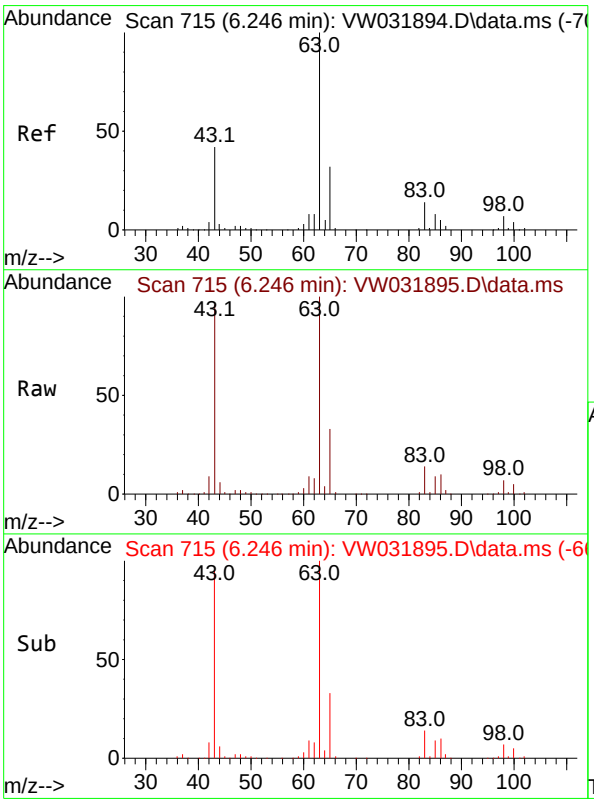
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

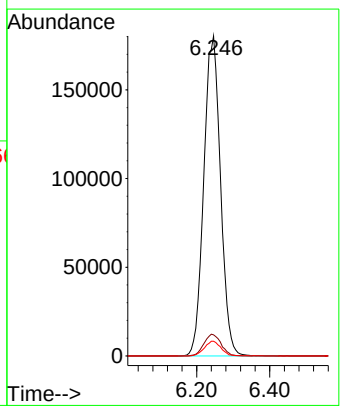
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

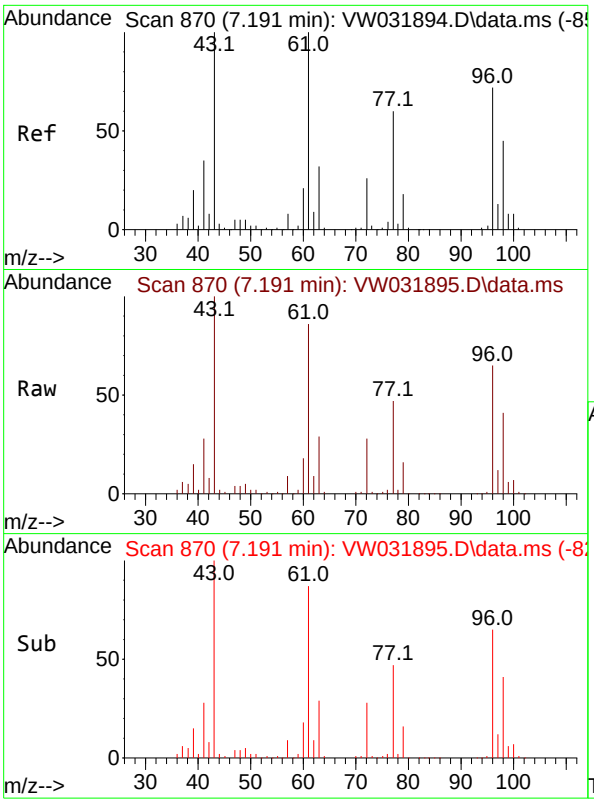


#24
1,1-Dichloroethane
Concen: 99.864 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 63 Resp: 571894

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.9
100	4.6	2.2	6.6

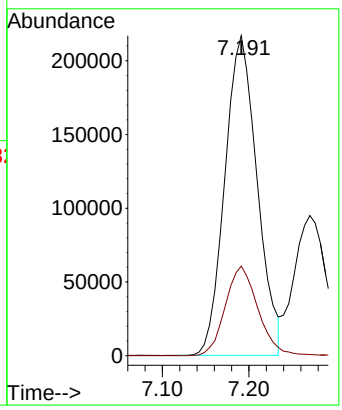




#25
2-Butanone
Concen: 517.723 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 56309

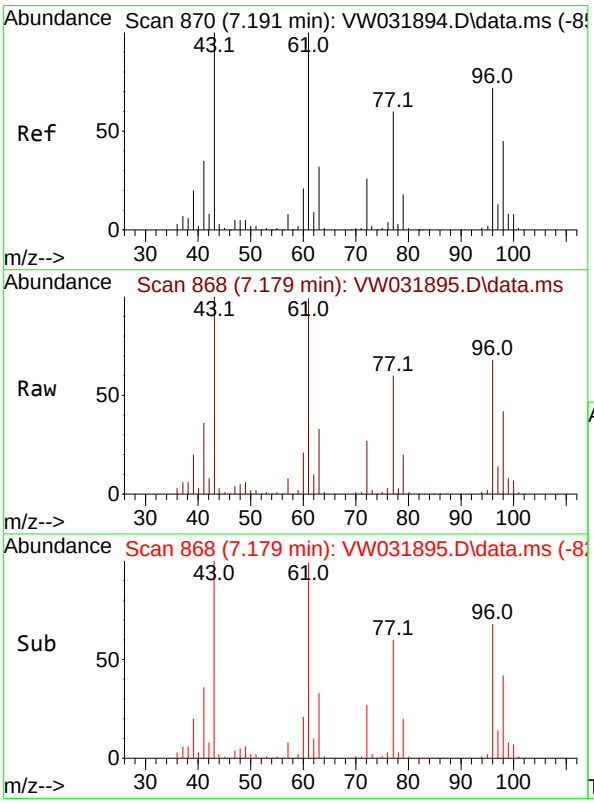
Ion	Ratio	Lower	Upper
43	100		
72	28.0	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

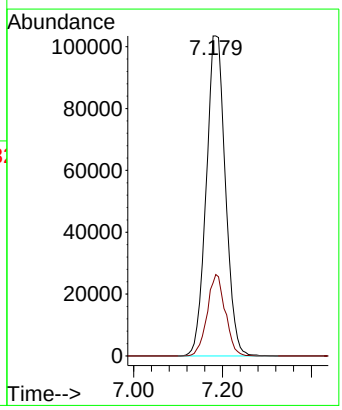
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

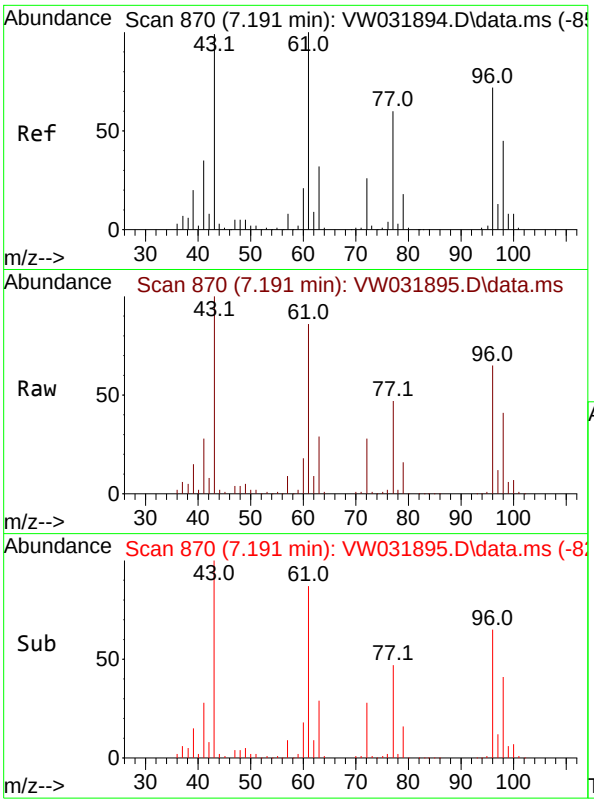


#26
2,2-Dichloropropane
Concen: 95.647 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 77 Resp: 310099

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.4	34.1

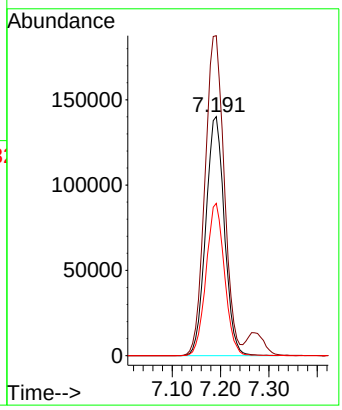




#27
cis-1,2-Dichloroethene
Concen: 101.755 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 96 Resp: 37478

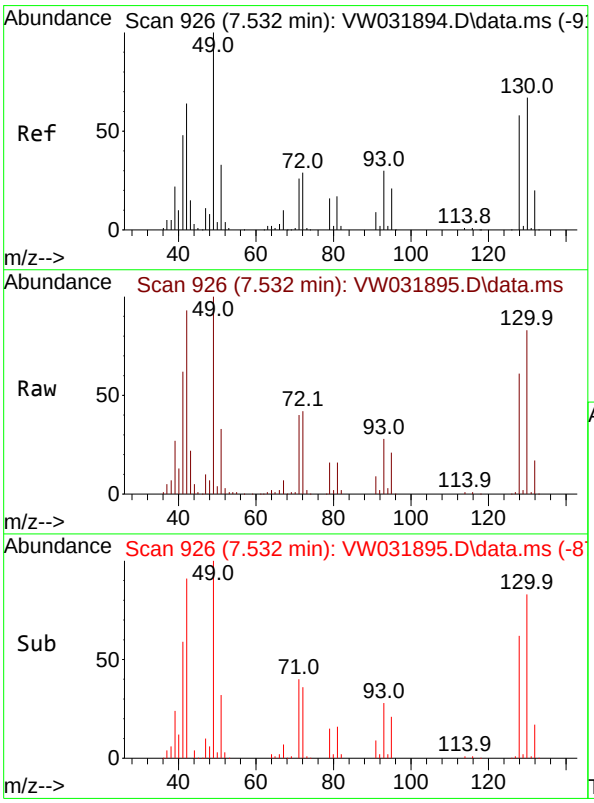
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.2
98	63.1	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

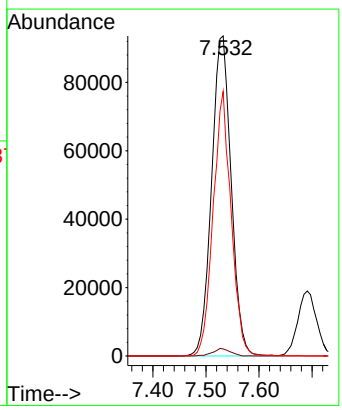
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

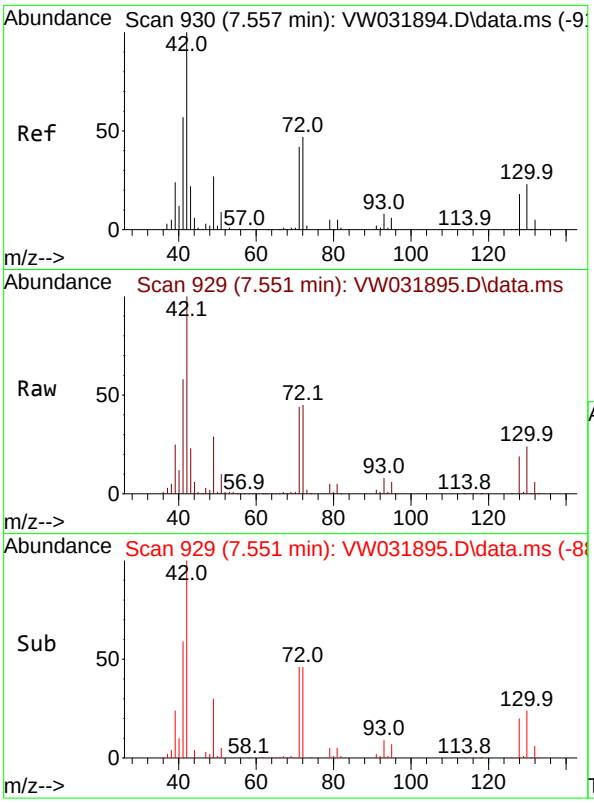


#28
Bromochloromethane
Concen: 100.070 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 49 Resp: 239942

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	75.8	59.0	88.4

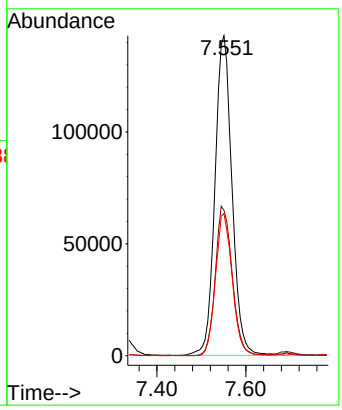




#29
Tetrahydrofuran
Concen: 532.985 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 42 Resp: 38006

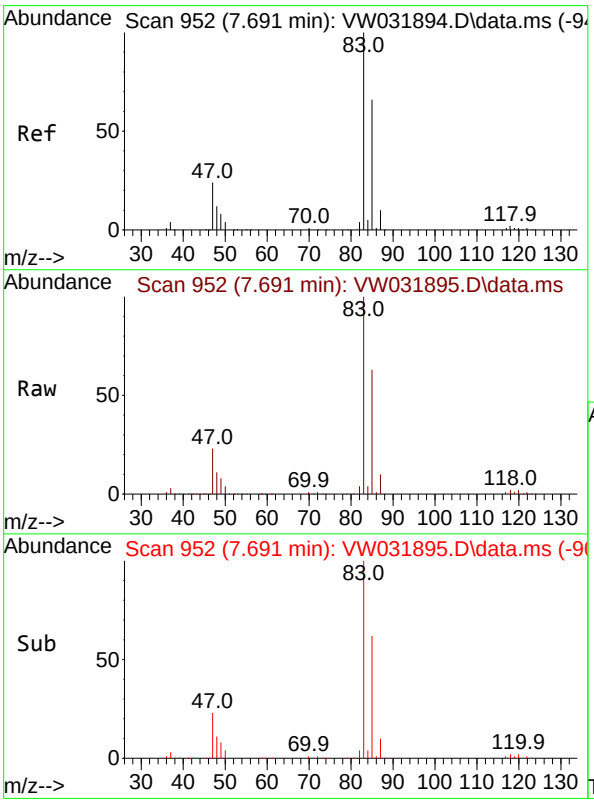
Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.6
71	43.6	34.5	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

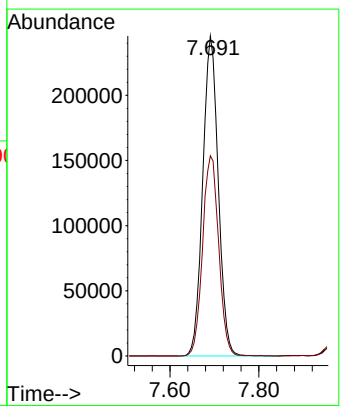
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

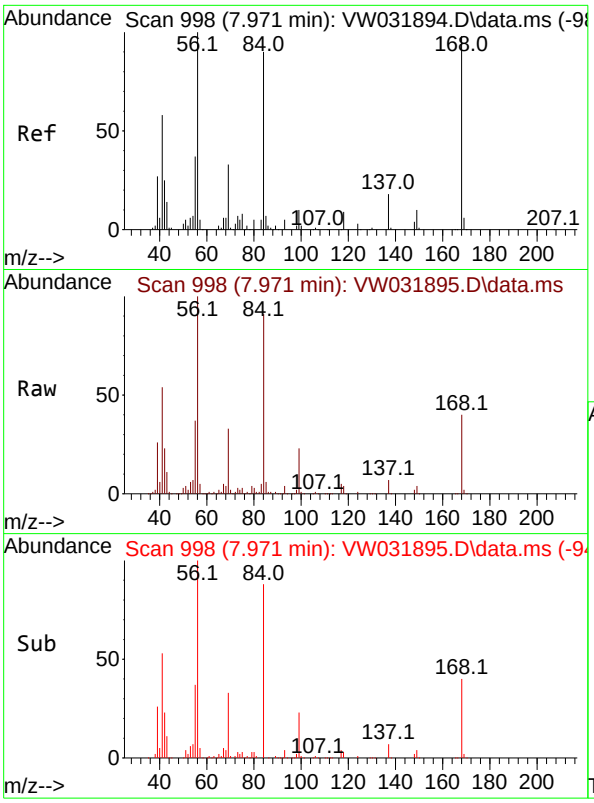


#30
Chloroform
Concen: 99.456 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 83 Resp: 597178

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.6	78.8

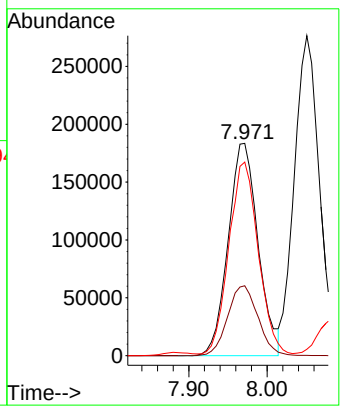




#31
Cyclohexane
Concen: 94.861 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 56 Resp: 48736

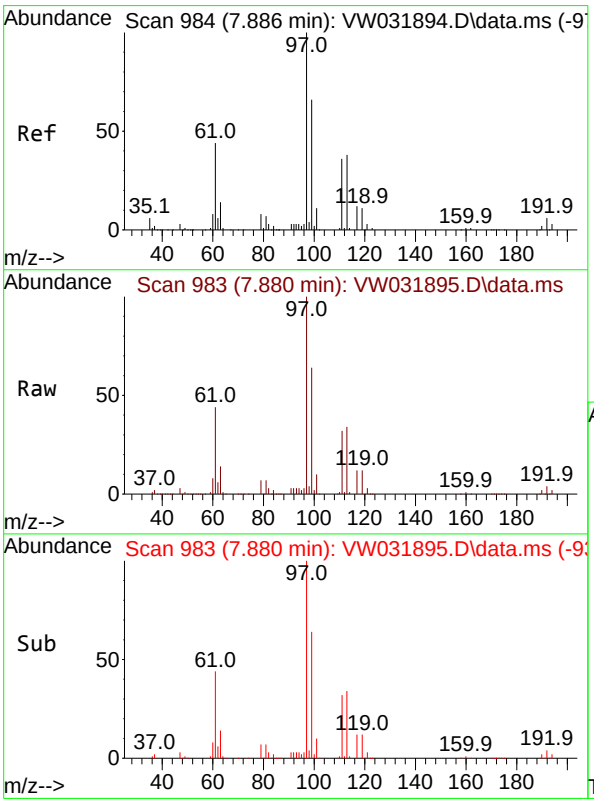
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.7	40.1
84	89.7	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

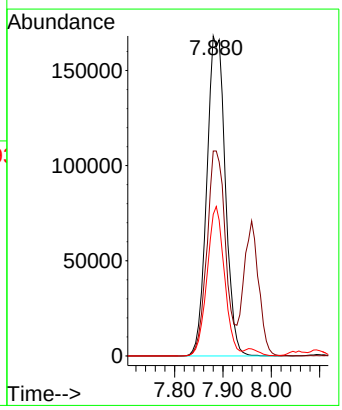
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

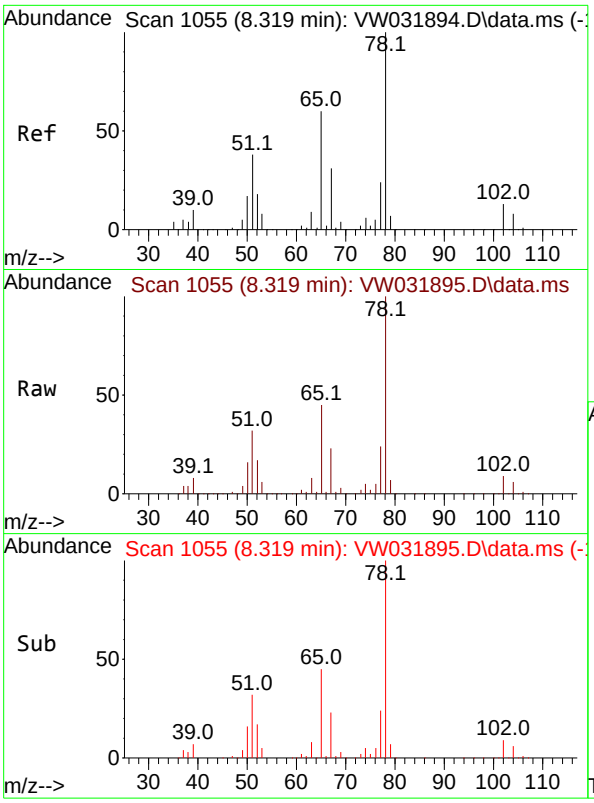


#32
1,1,1-Trichloroethane
Concen: 97.836 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 97 Resp: 447021

Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.0	79.4
61	44.1	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 94.854 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

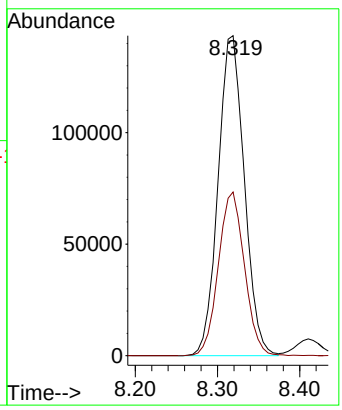
Tgt Ion: 65 Resp: 31775

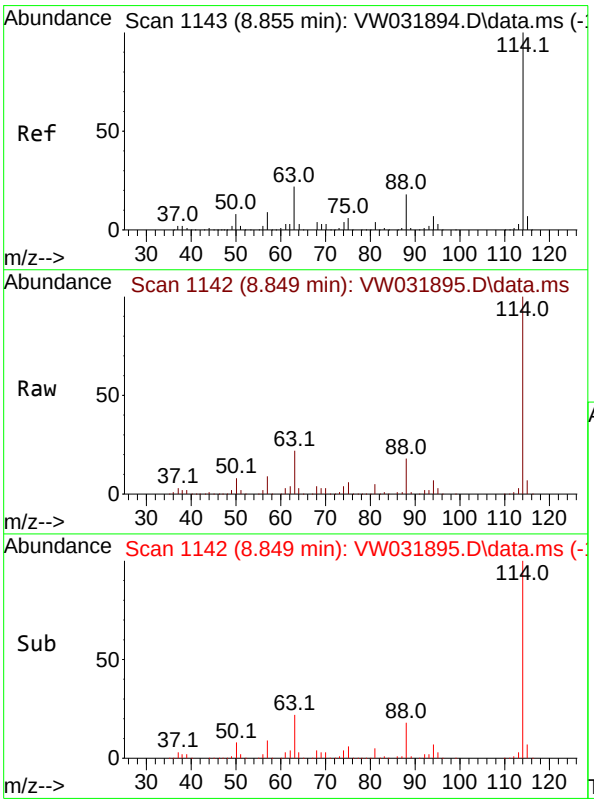
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

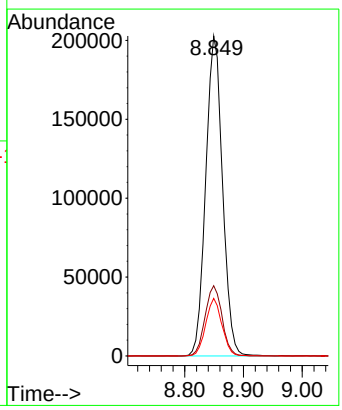


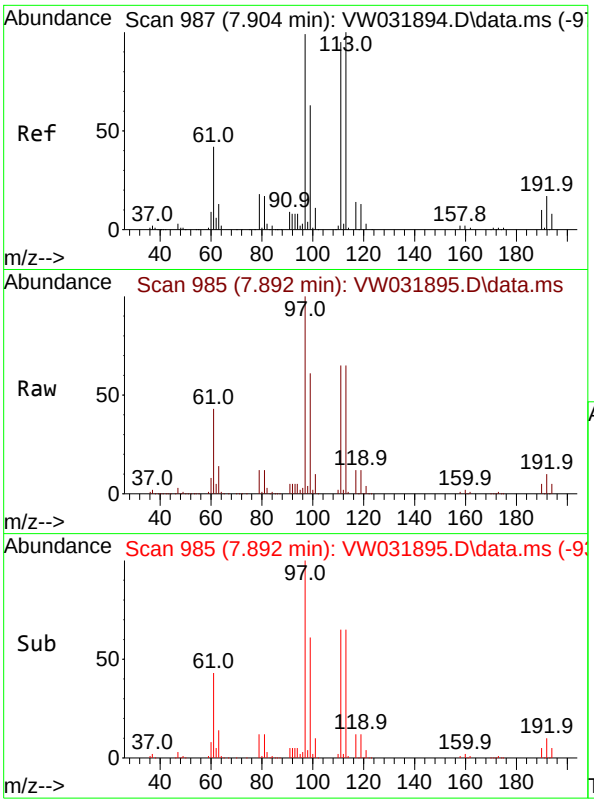


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:114 Resp: 402410

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.2
88	18.0	0.0	35.6





#35
Dibromofluoromethane
Concen: 97.216 ug/l
RT: 7.892 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

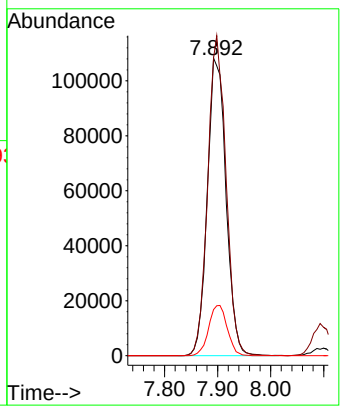
Tgt Ion:113 Resp: 26582

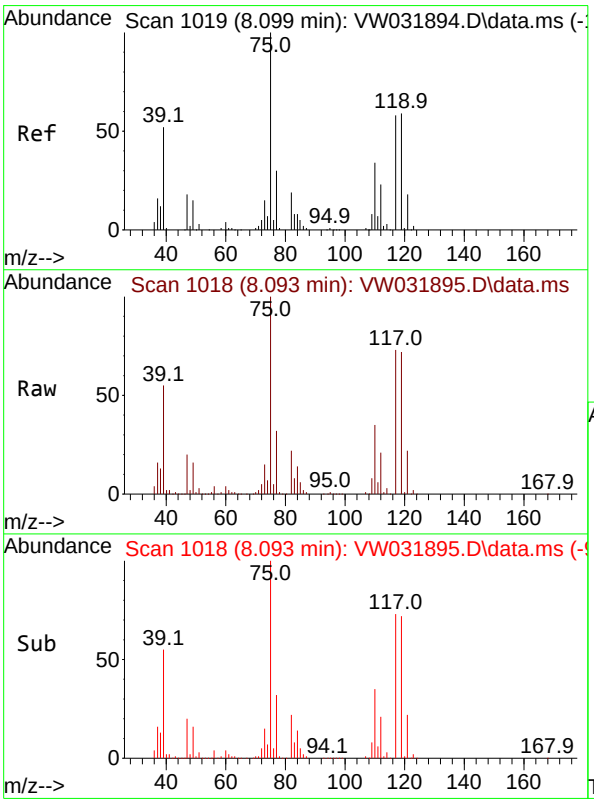
Ion	Ratio	Lower	Upper
113	100		
111	104.8	79.9	119.9
192	16.7	12.6	19.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

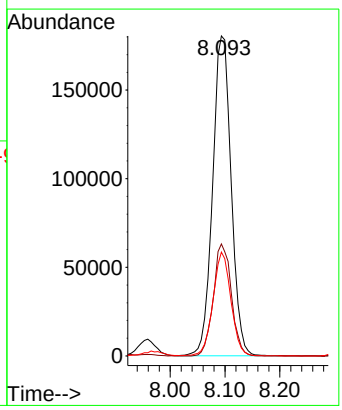


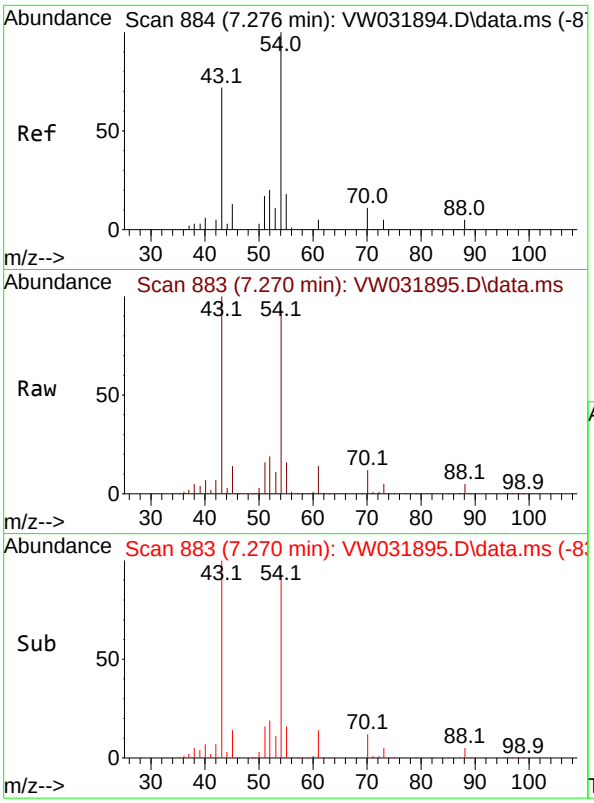


#36
1,1-Dichloropropene
Concen: 101.012 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 424179

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	31.5	25.1	37.7

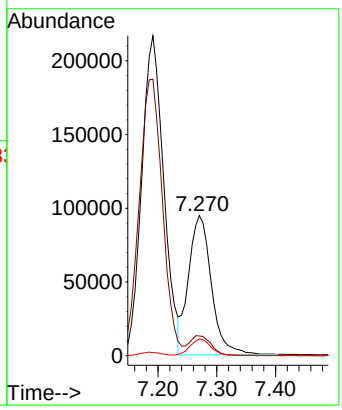




#37
Ethyl Acetate
Concen: 106.793 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 25582

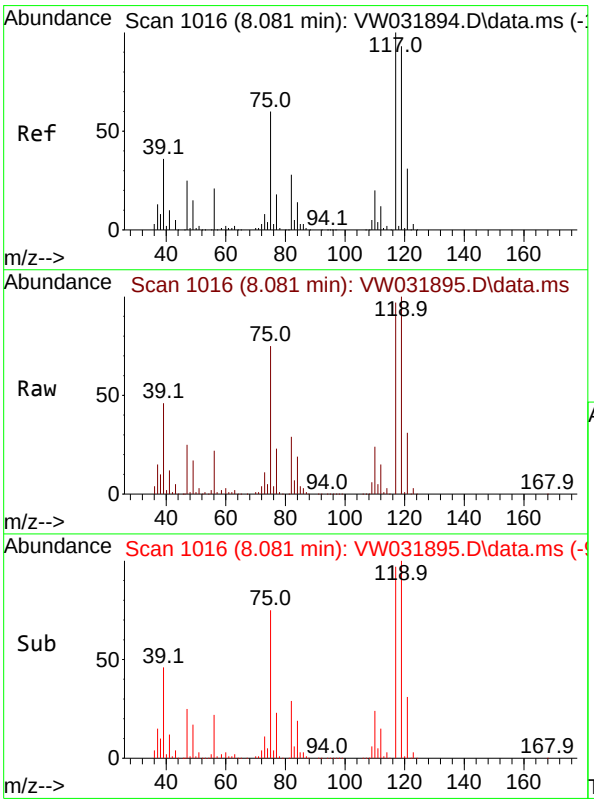
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.1	9.0	13.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

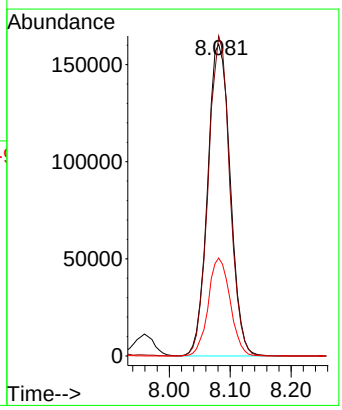
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

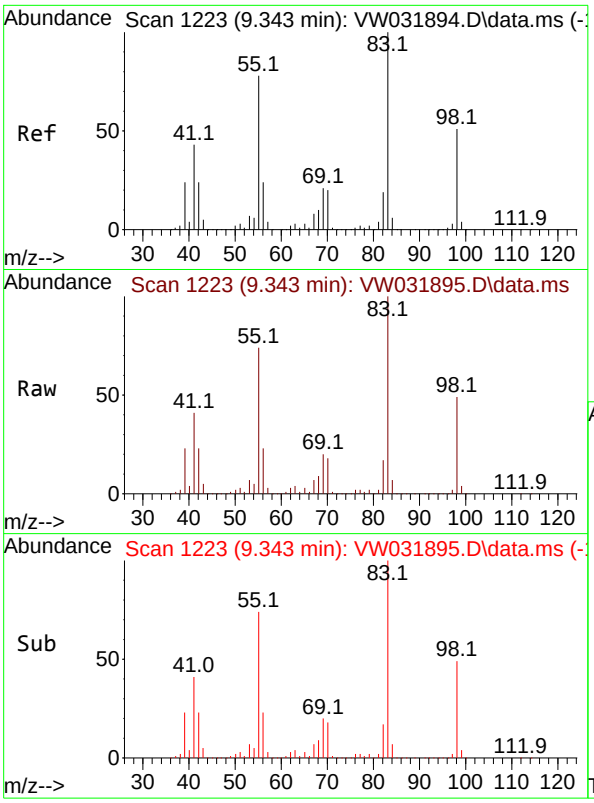


#38
Carbon Tetrachloride
Concen: 103.155 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:117 Resp: 415729

Ion	Ratio	Lower	Upper
117	100		
119	102.7	74.3	111.5
121	31.4	24.6	37.0

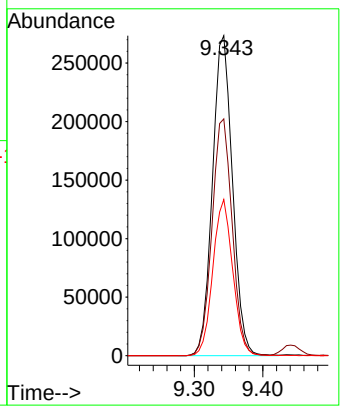




#39
Methylcyclohexane
Concen: 105.017 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 83 Resp: 55498

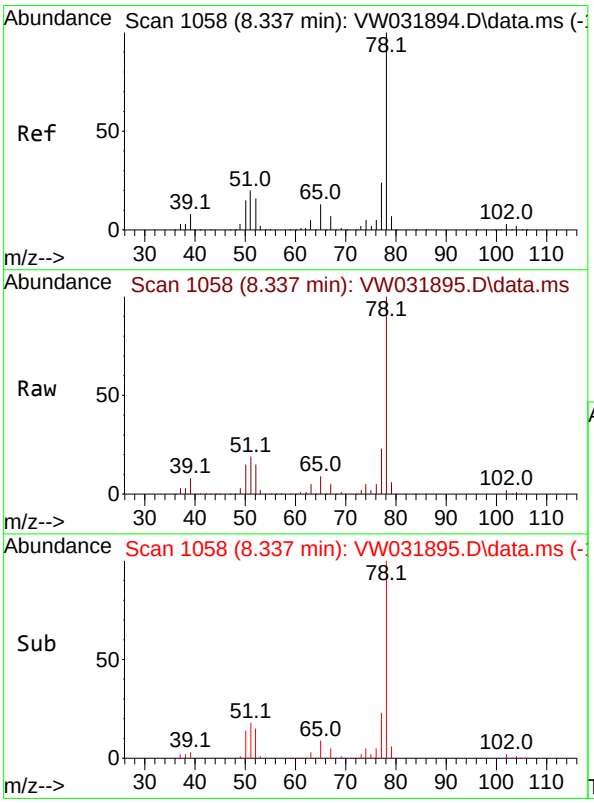
Ion	Ratio	Lower	Upper
83	100		
55	74.0	62.5	93.7
98	48.8	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

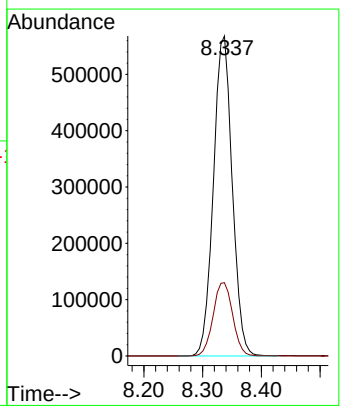
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

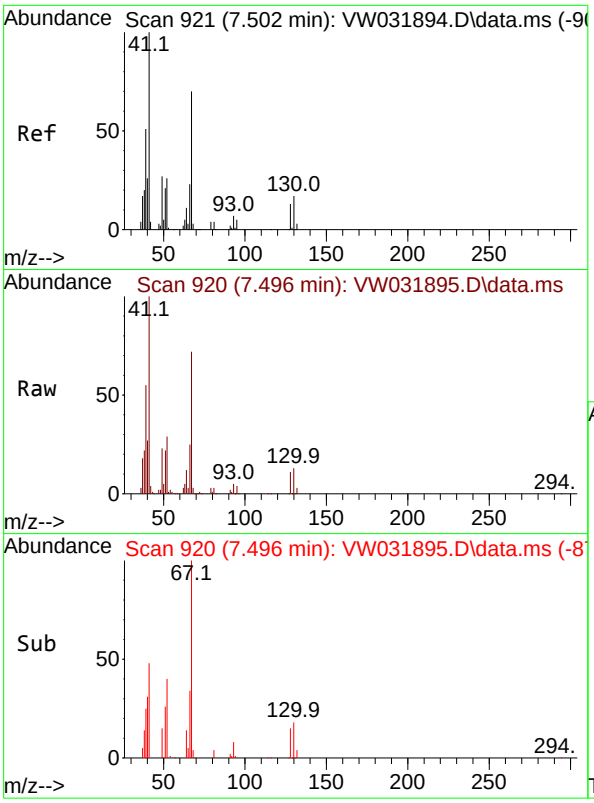


#40
Benzene
Concen: 101.554 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 78 Resp: 1262395

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9

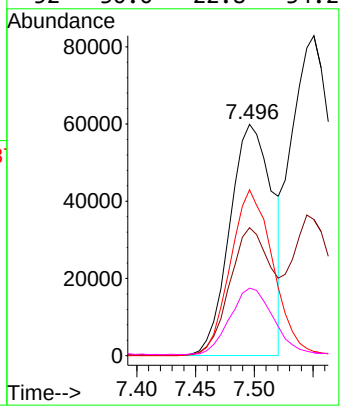




#41
Methacrylonitrile
Concen: 107.383 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 41 Resp: 15151

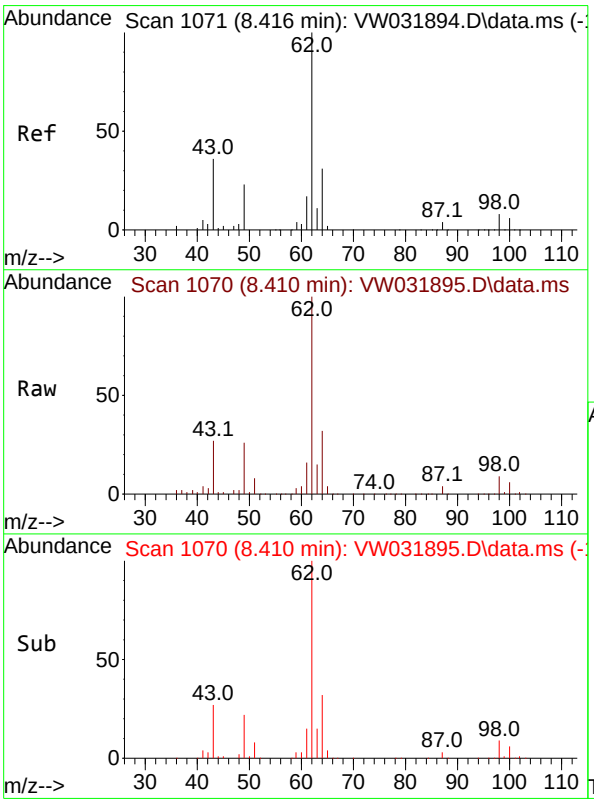
Ion	Ratio	Lower	Upper
41	100		
39	53.7	41.1	61.7
67	72.2	56.2	84.4
52	30.0	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

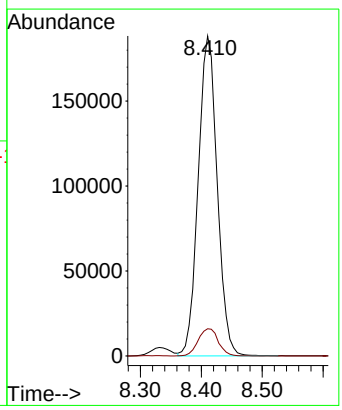
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

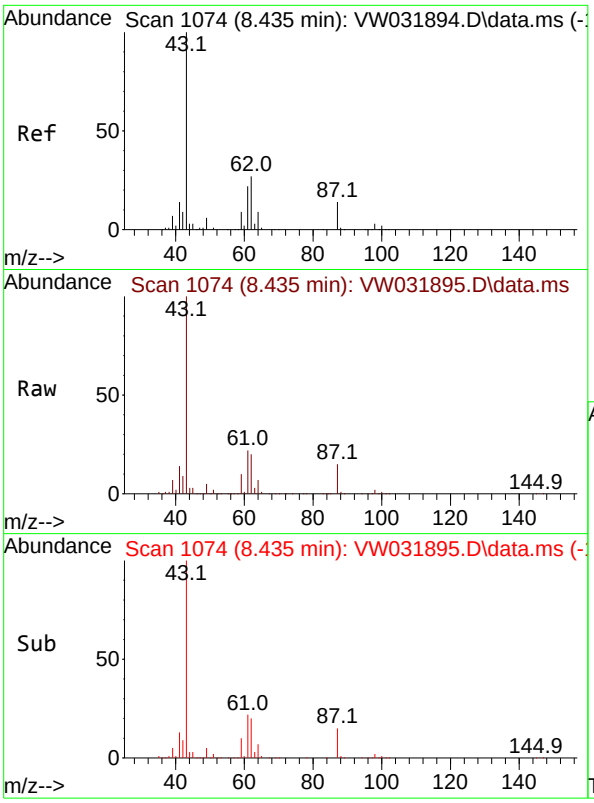


#42
1,2-Dichloroethane
Concen: 102.578 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 62 Resp: 408100

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43
Isopropyl Acetate
Concen: 109.315 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

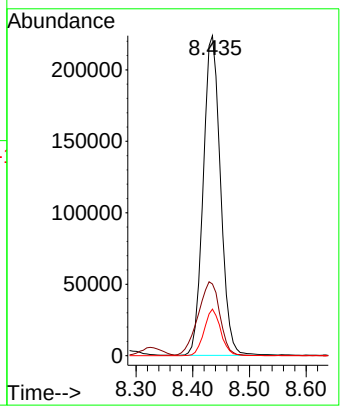
Tgt Ion: 43 Resp: 47406

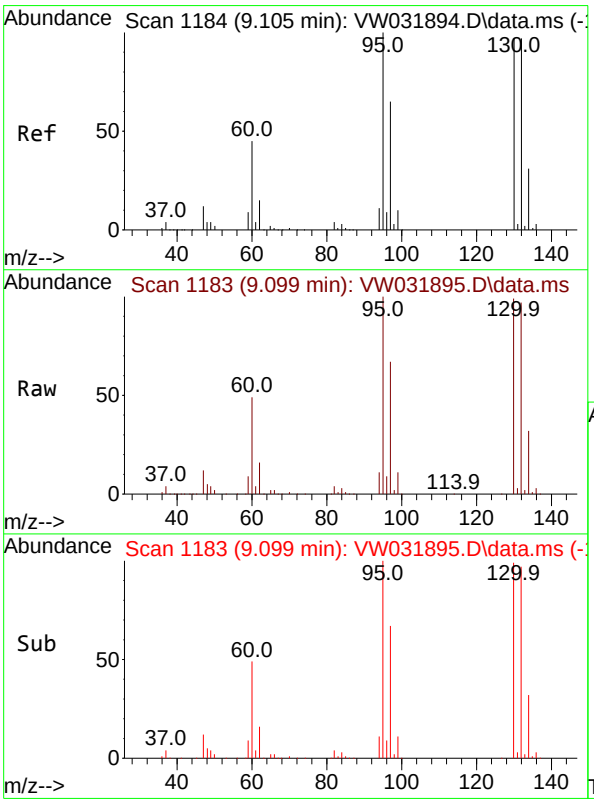
Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.0	36.0
87	14.0	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

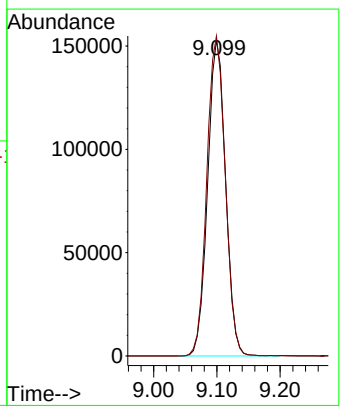


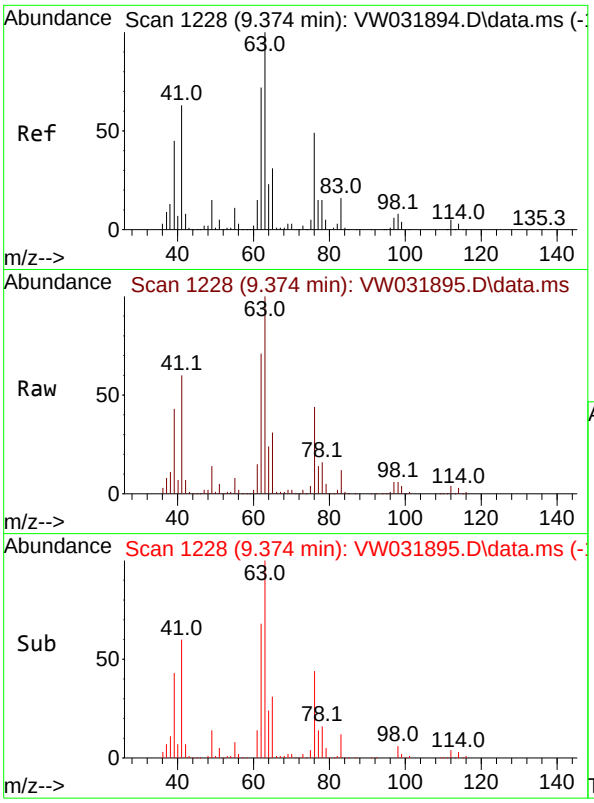


#44
Trichloroethene
Concen: 102.011 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:130 Resp: 301416

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	206.4

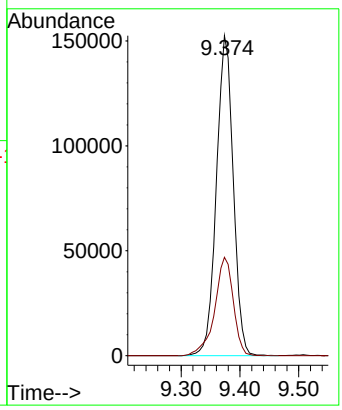




#45
1,2-Dichloropropane
Concen: 101.282 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 63 Resp: 30321

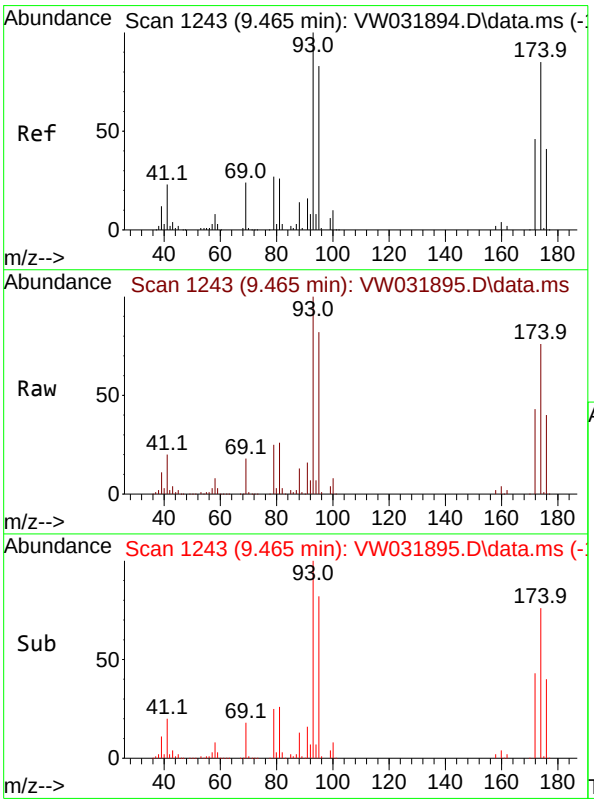
Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

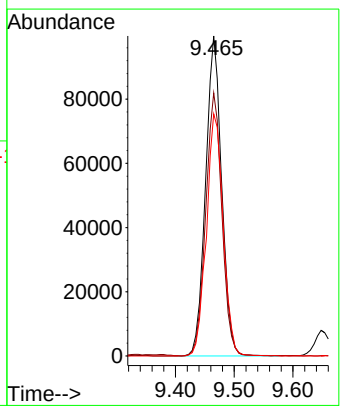
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

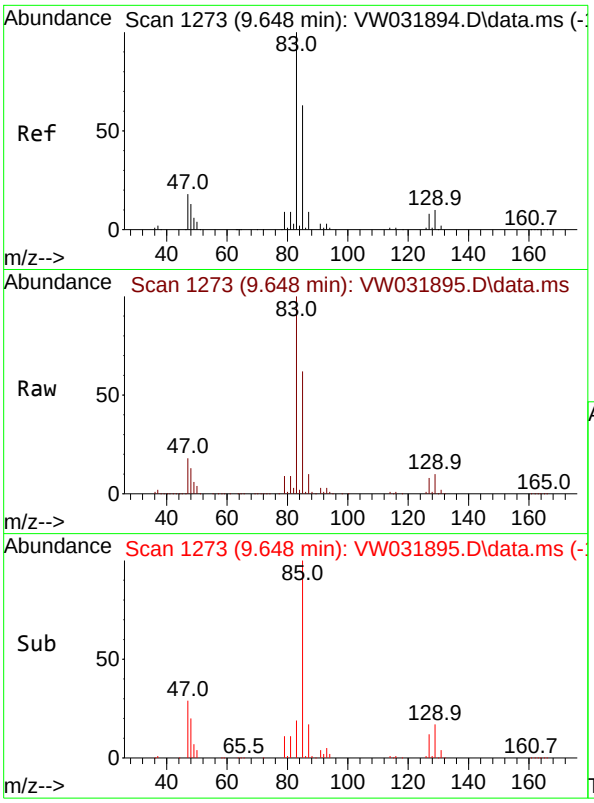


#46
Dibromomethane
Concen: 102.141 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 93 Resp: 189553

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	79.0	70.2	105.2

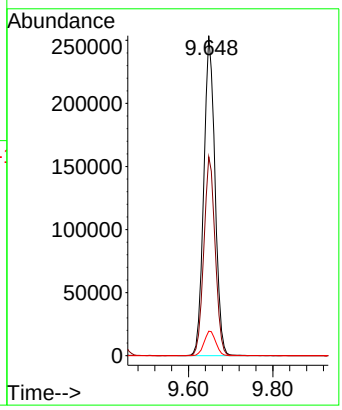




#47
Bromodichloromethane
Concen: 105.344 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 83 Resp: 46878

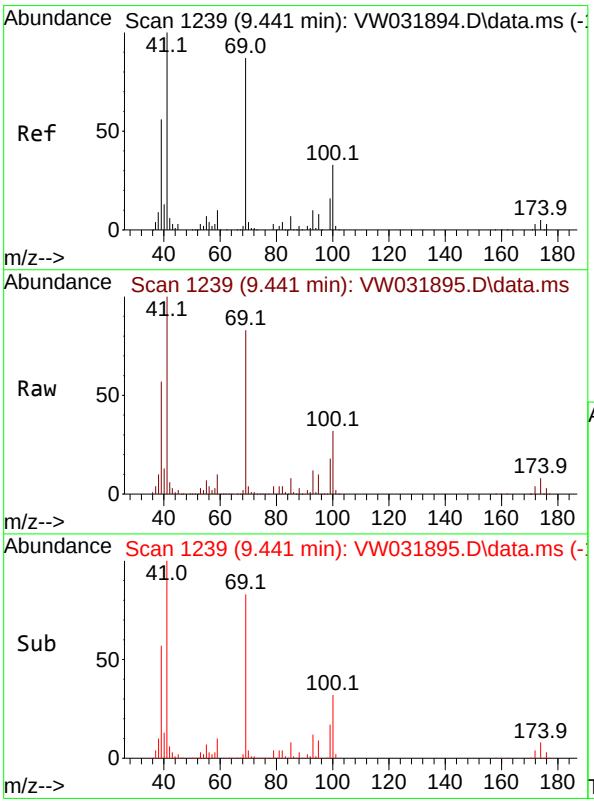
Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.6	76.0
127	7.7	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

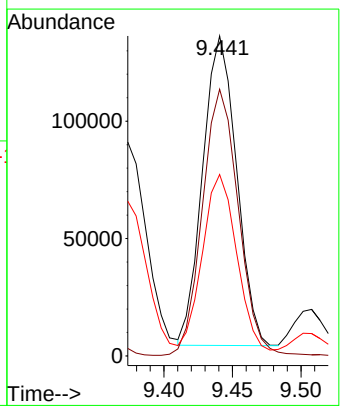
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

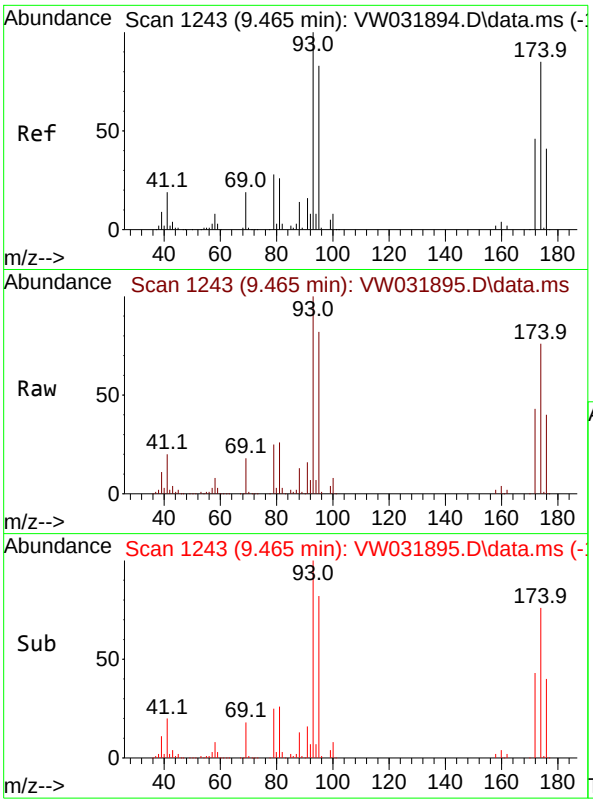


#48
Methyl methacrylate
Concen: 109.767 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 41 Resp: 226471

Ion	Ratio	Lower	Upper
41	100		
69	92.1	73.6	110.4
39	56.6	45.5	68.3

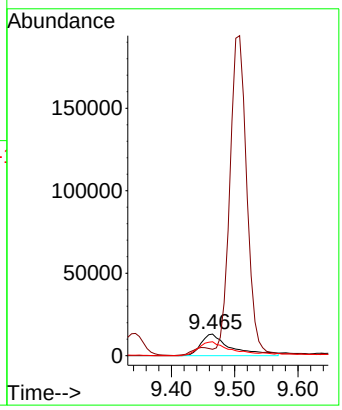




#49
1,4-Dioxane
Concen: 2323.819 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 88 Resp: 4303

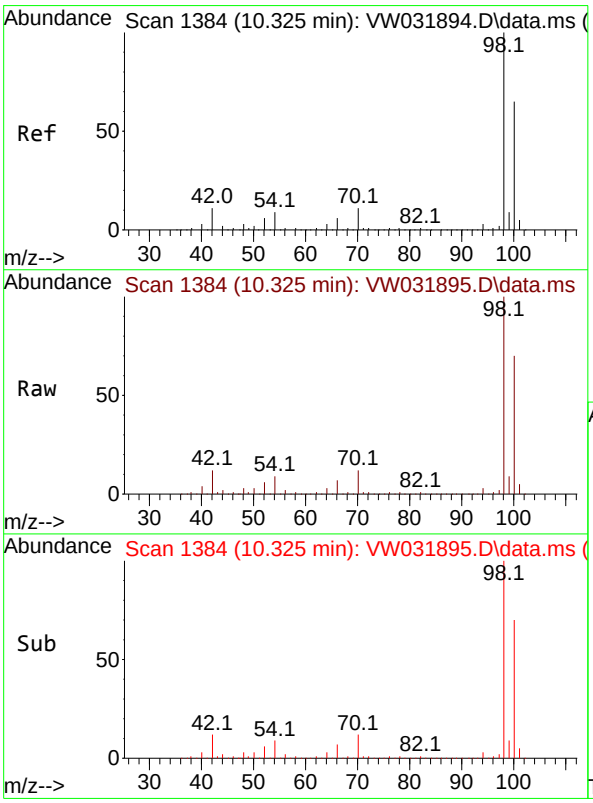
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	67.7	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

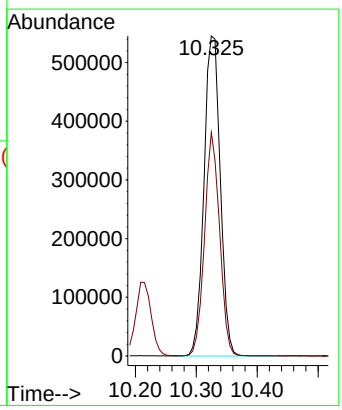
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

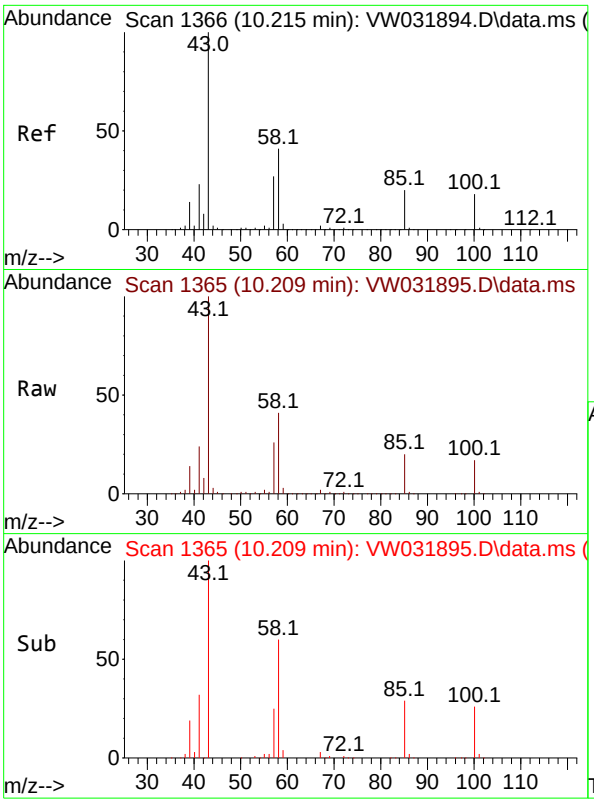


#50
Toluene-d8
Concen: 97.904 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 98 Resp: 1013207

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 542.828 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

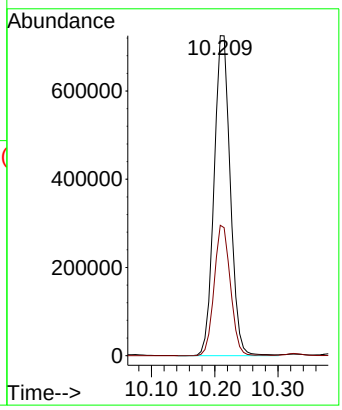
Tgt Ion: 43 Resp: 128832

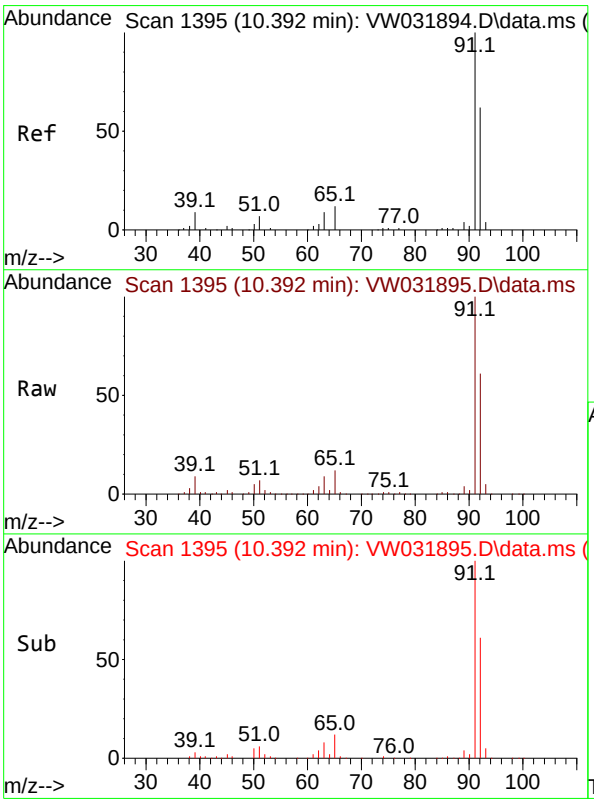
Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

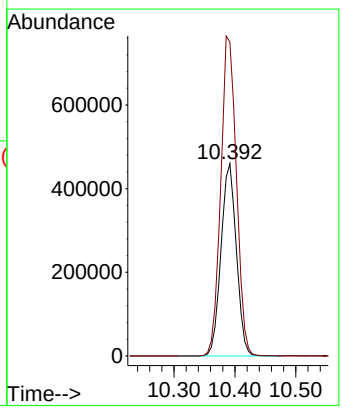


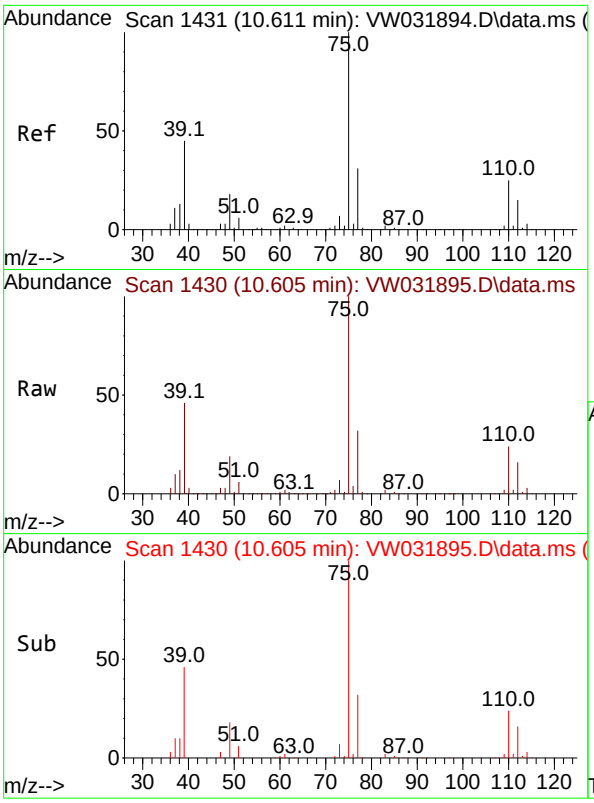


#52
Toluene
Concen: 100.537 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 92 Resp: 803397

Ion	Ratio	Lower	Upper
92	100		
91	170.2	133.7	200.5

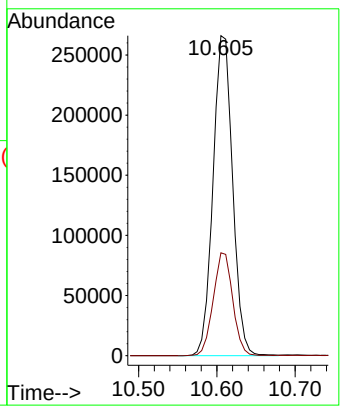




#53
t-1,3-Dichloropropene
Concen: 108.477 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 46306

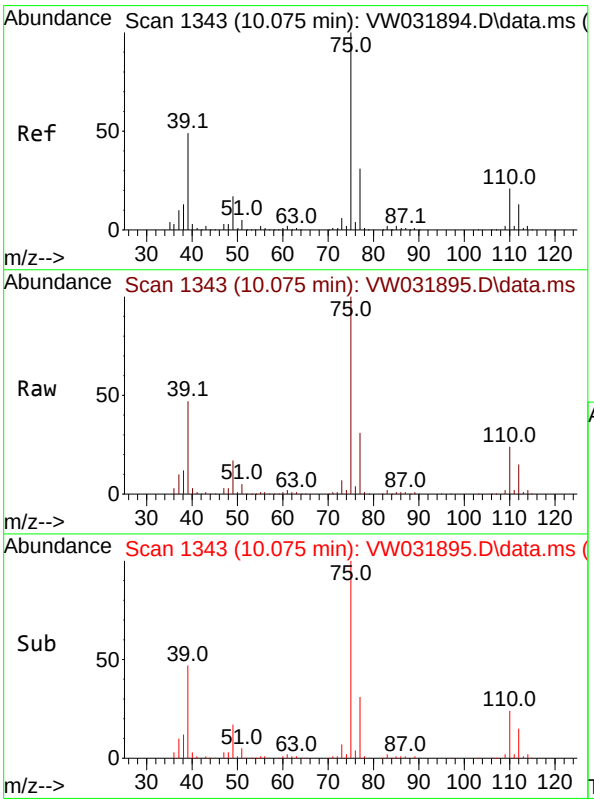
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

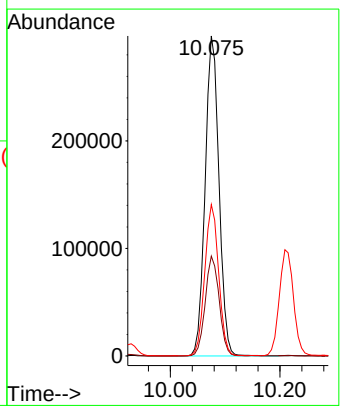
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

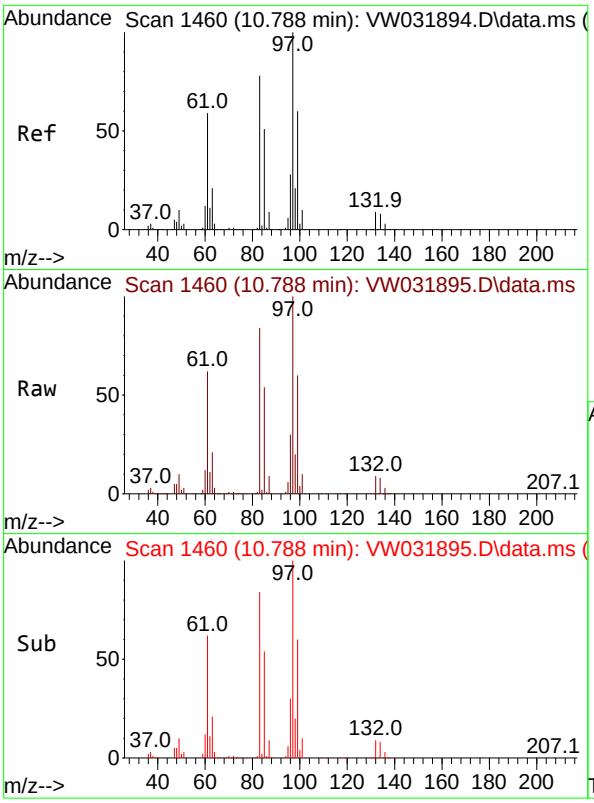


#54
cis-1,3-Dichloropropene
Concen: 106.602 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 519672

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.5	36.7
39	47.3	39.3	58.9

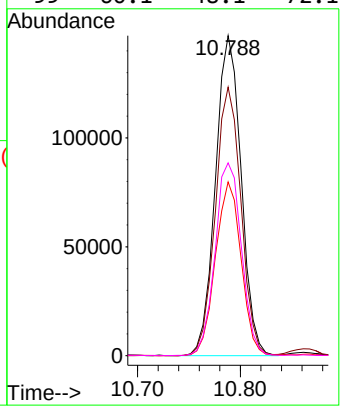




#55
1,1,2-Trichloroethane
Concen: 103.424 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 97 Resp: 25495

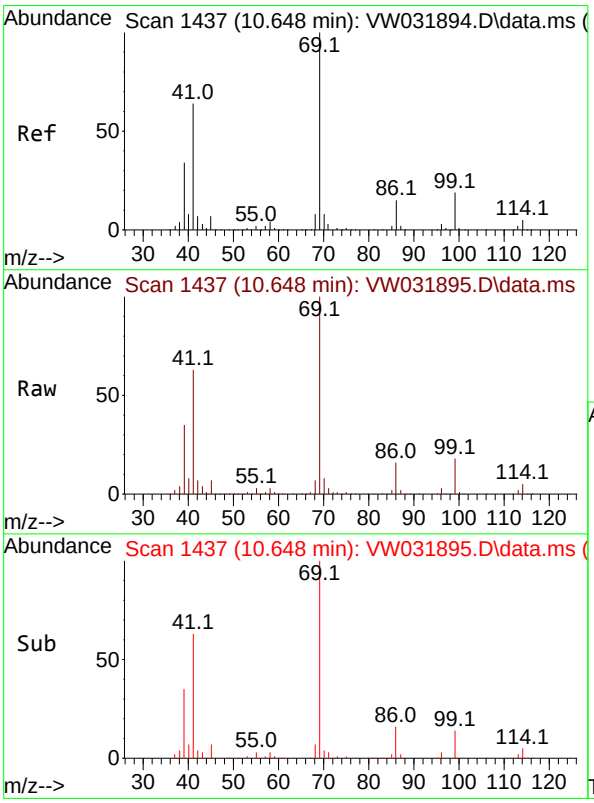
Ion	Ratio	Lower	Upper
97	100		
83	83.9	62.4	93.6
85	54.3	41.0	61.6
99	60.1	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

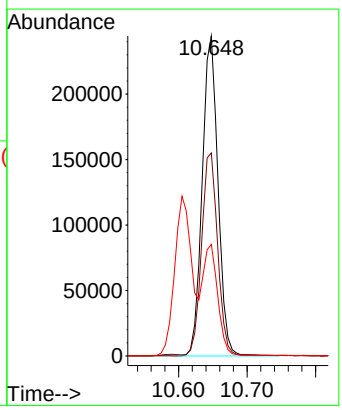
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

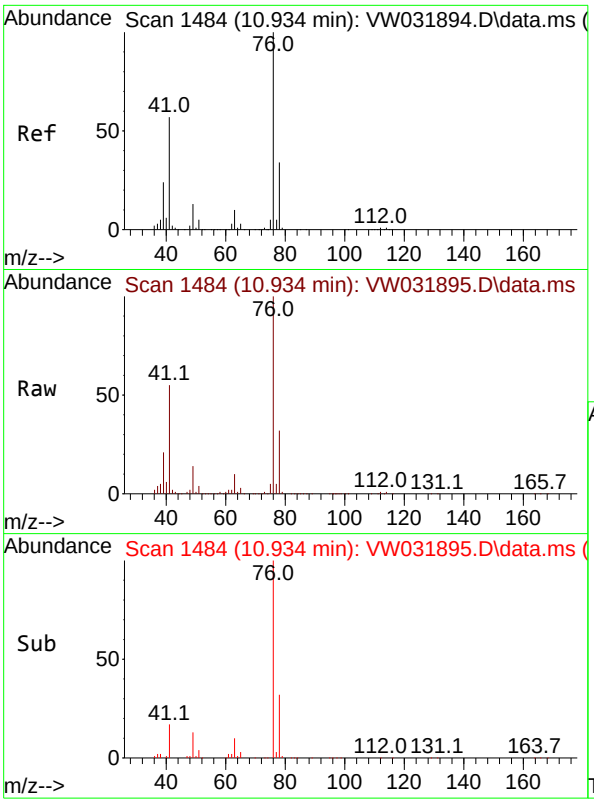


#56
Ethyl methacrylate
Concen: 112.649 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 69 Resp: 392187

Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.0	78.0
39	32.1	26.6	40.0

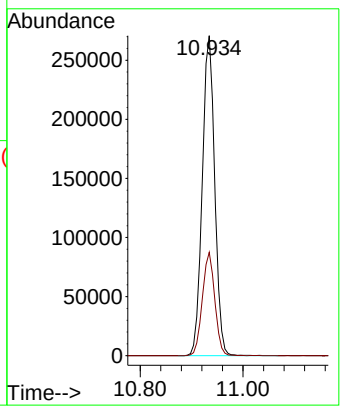




#57
1,3-Dichloropropane
Concen: 104.643 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 76 Resp: 45444

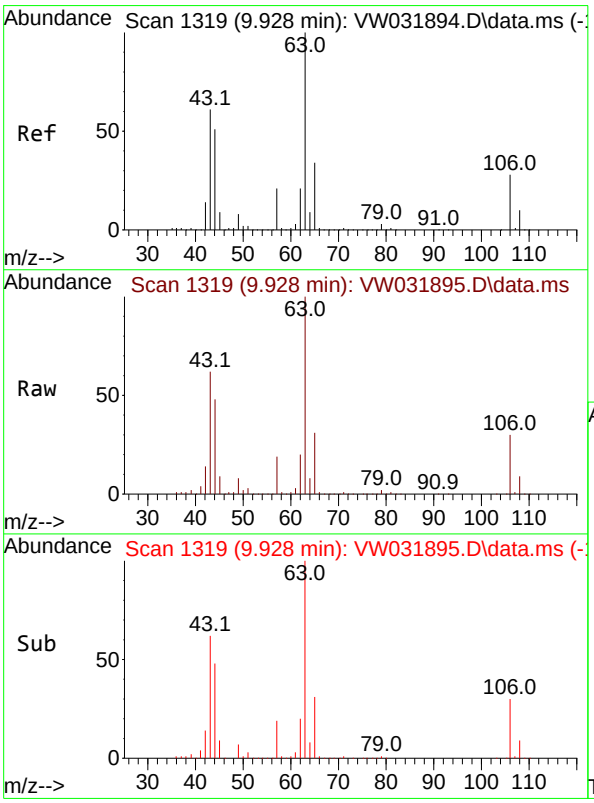
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

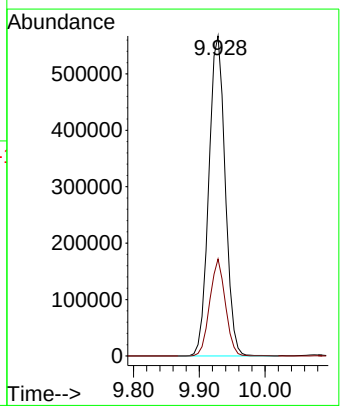
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

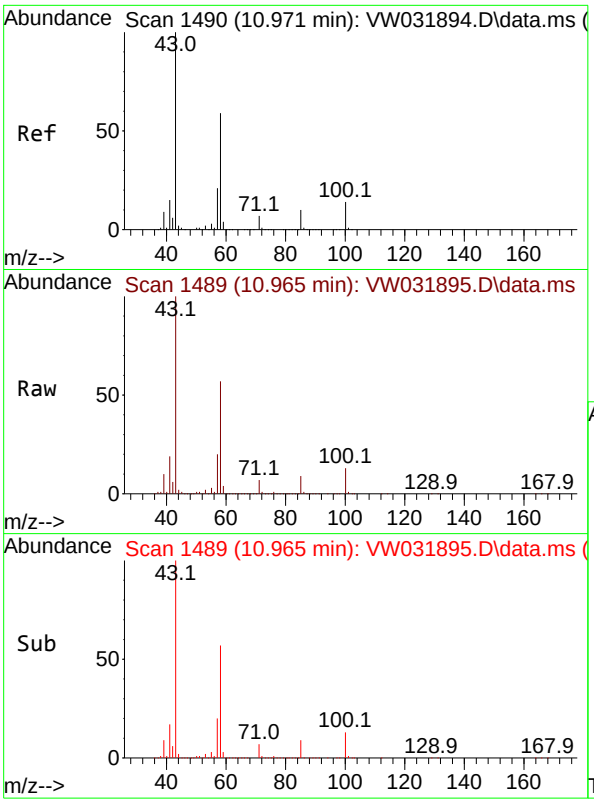


#58
2-Chloroethyl Vinyl ether
Concen: 548.592 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 63 Resp: 981034

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1

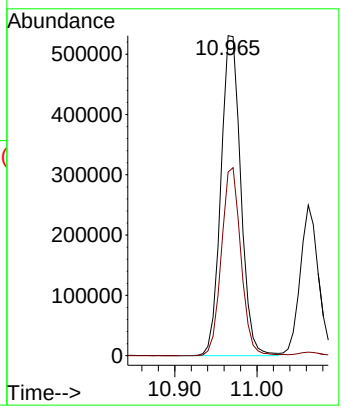




#59
2-Hexanone
Concen: 541.101 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 89266

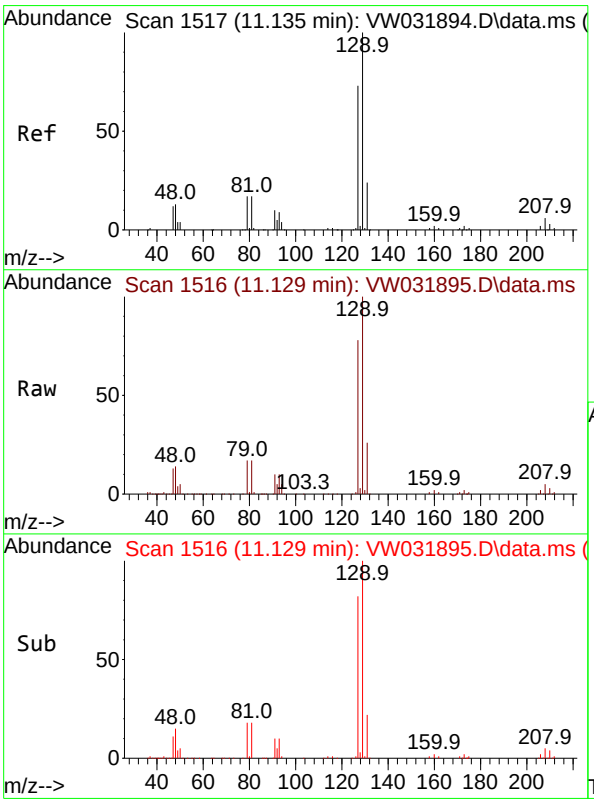
Ion	Ratio	Lower	Upper
43	100		
58	57.8	28.5	85.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

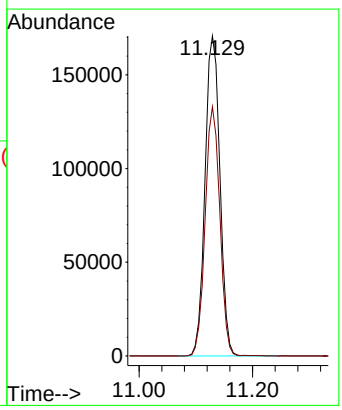
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

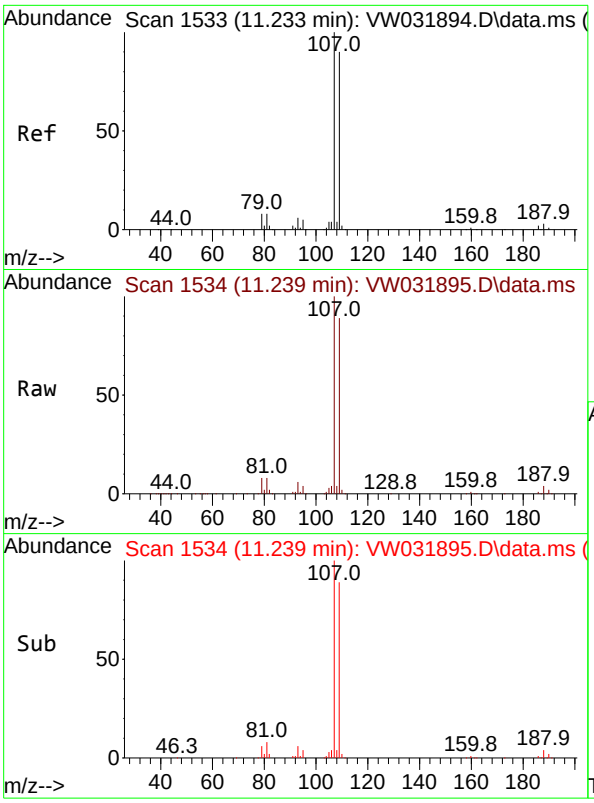


#60
Dibromochloromethane
Concen: 108.191 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:129 Resp: 310954

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.6	118.8

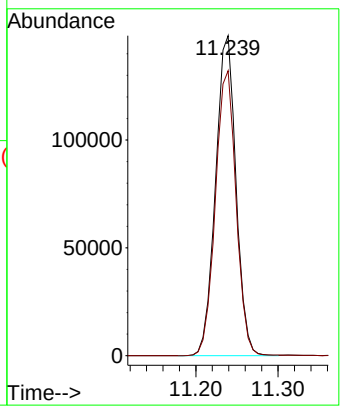




#61
1,2-Dibromoethane
Concen: 105.093 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:107 Resp: 25598

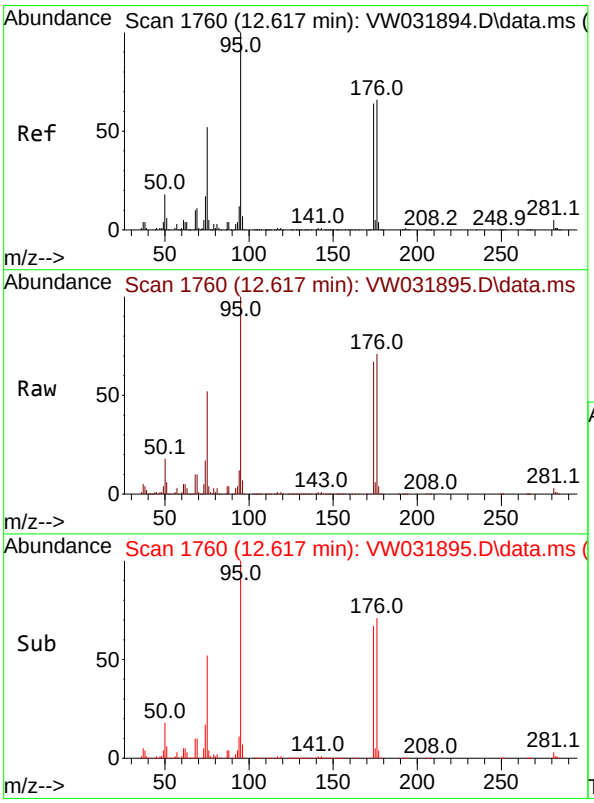
Ion	Ratio	Lower	Upper
107	100		
109	90.5	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

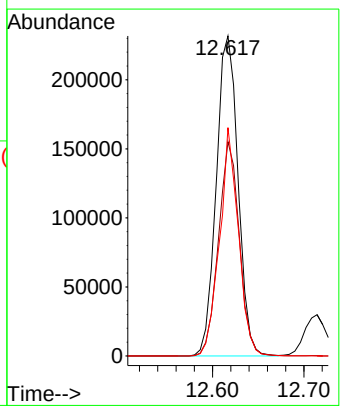
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

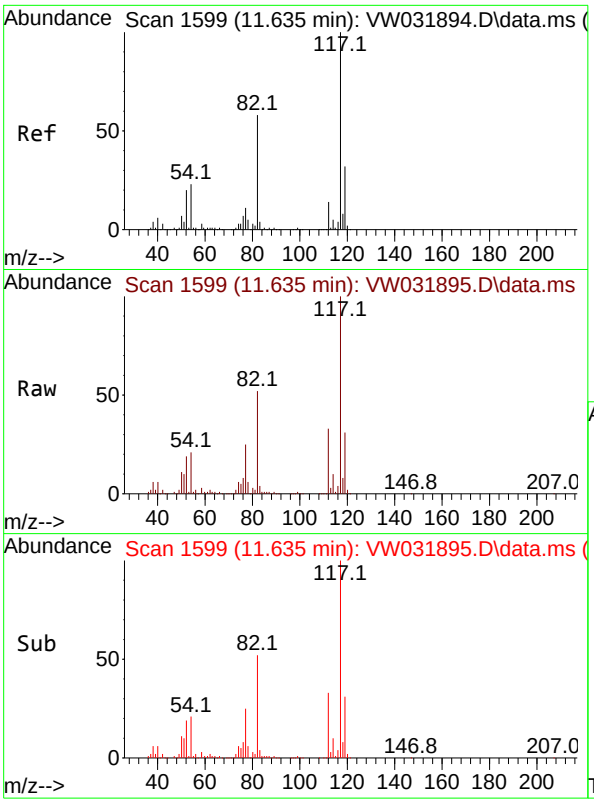


#62
4-Bromofluorobenzene
Concen: 96.494 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 95 Resp: 383449

Ion	Ratio	Lower	Upper
95	100		
174	64.4	0.0	129.8
176	61.8	0.0	130.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

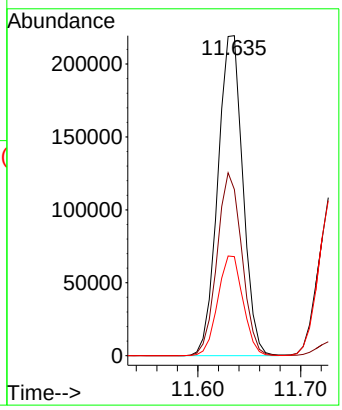
Tgt Ion:117 Resp: 37163

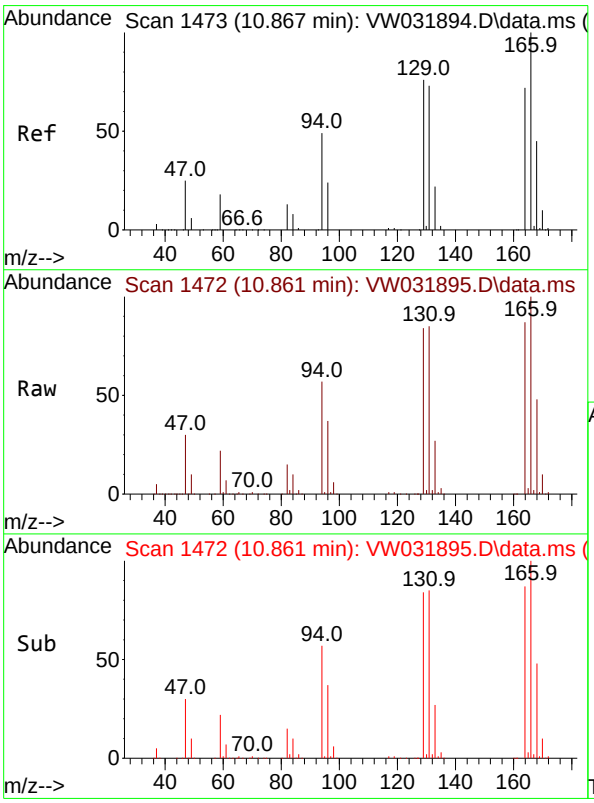
Ion	Ratio	Lower	Upper
117	100		
82	51.9	46.5	69.7
119	30.9	25.8	38.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

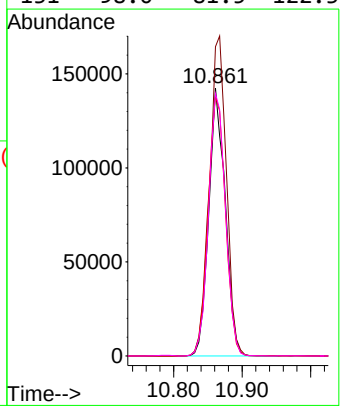


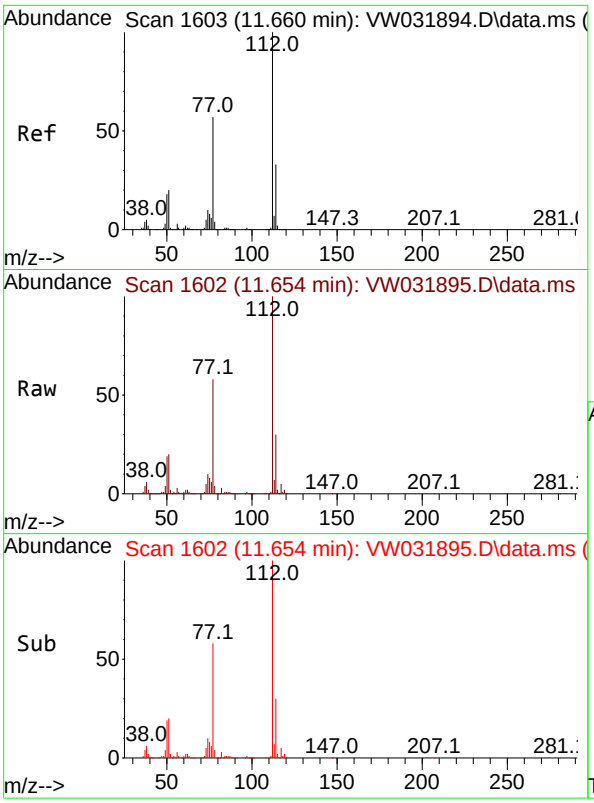


#64
Tetrachloroethene
Concen: 96.662 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:164 Resp: 236845

Ion	Ratio	Lower	Upper
164	100		
166	115.5	111.5	167.3
129	96.9	85.1	127.7
131	98.0	81.5	122.3

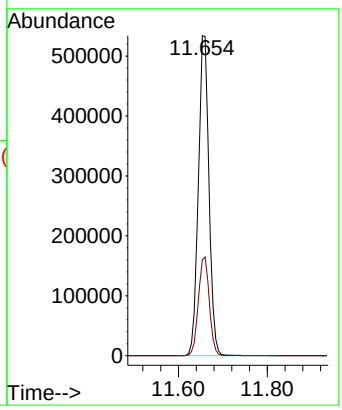




#65
Chlorobenzene
Concen: 97.499 ug/l
RT: 11.654 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:112 Resp: 88681

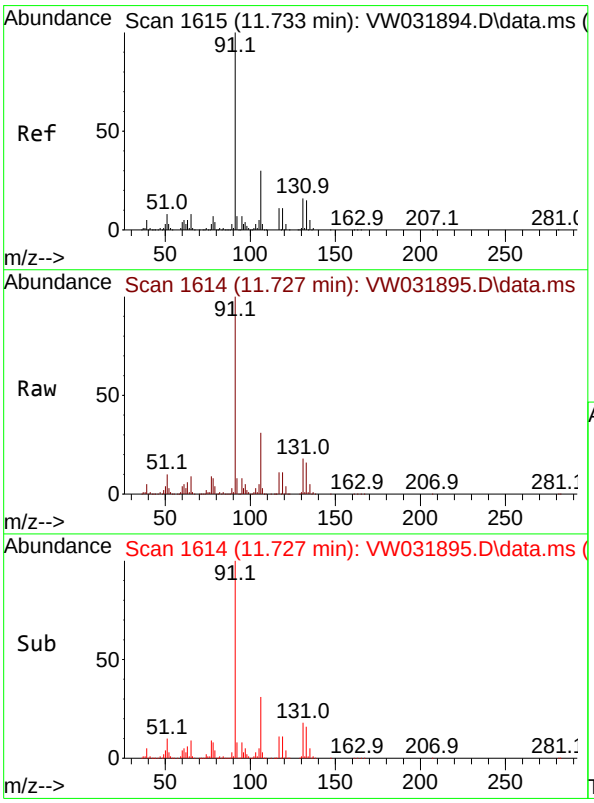
Ion	Ratio	Lower	Upper
112	100		
114	30.0	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

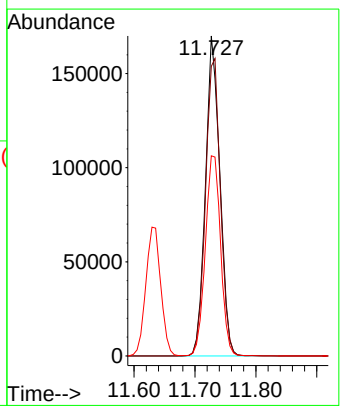
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

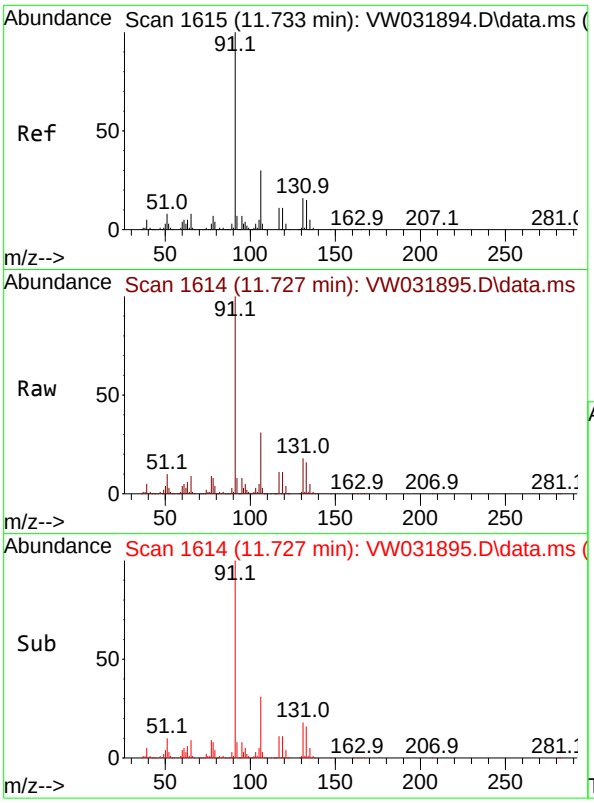


#66
1,1,1,2-Tetrachloroethane
Concen: 99.339 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:131 Resp: 280110

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.4
119	66.4	33.7	101.1

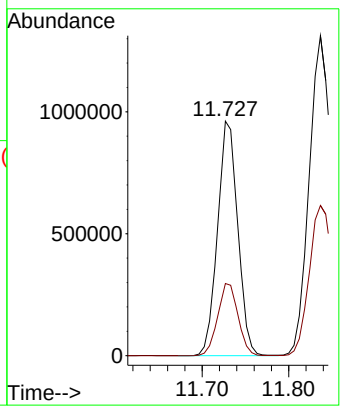




#67
Ethyl Benzene
Concen: 97.646 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 156046

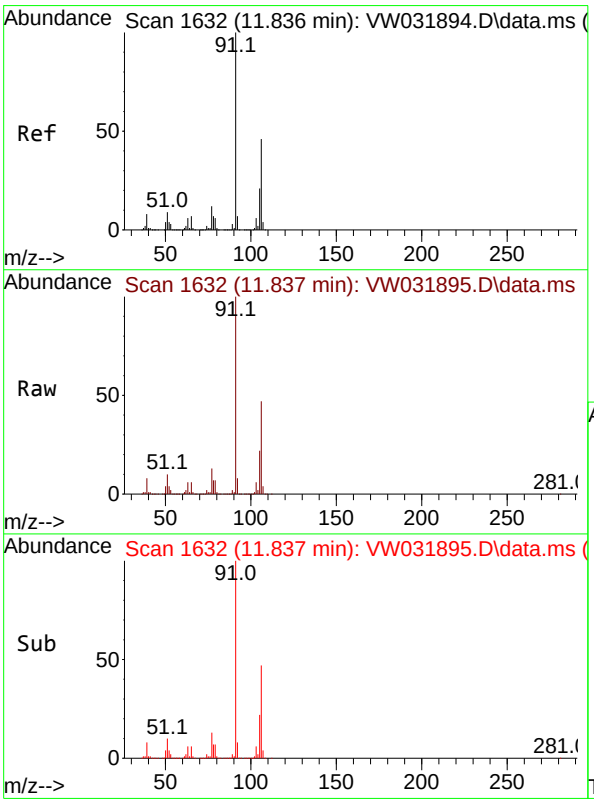
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.8	35.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

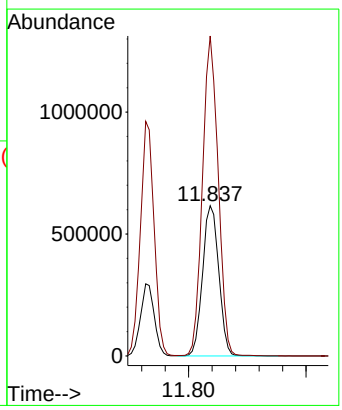
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

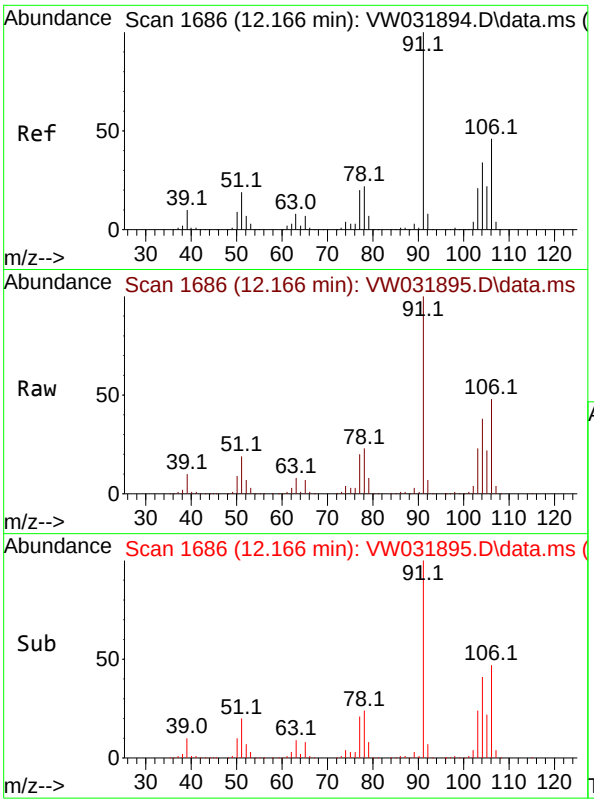


#68
m/p-Xylenes
Concen: 196.185 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:106 Resp: 1180270

Ion	Ratio	Lower	Upper
106	100		
91	206.6	167.7	251.5

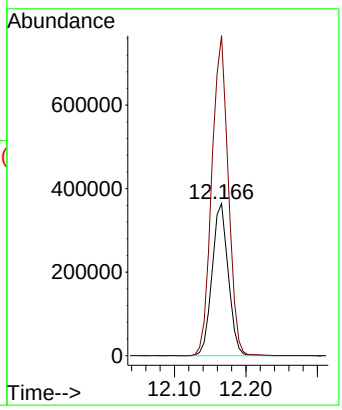




#69
o-Xylene
Concen: 100.449 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:106 Resp: 57190

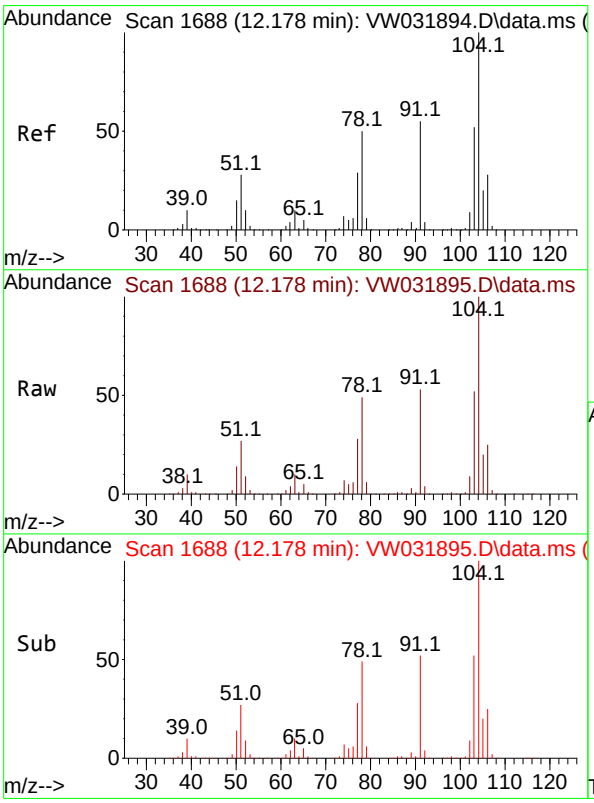
Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

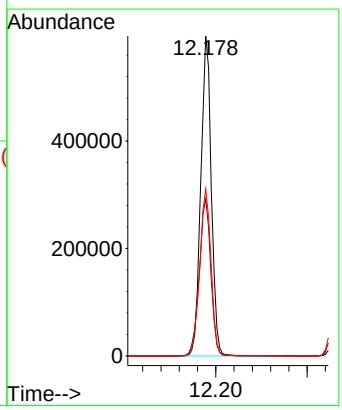
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

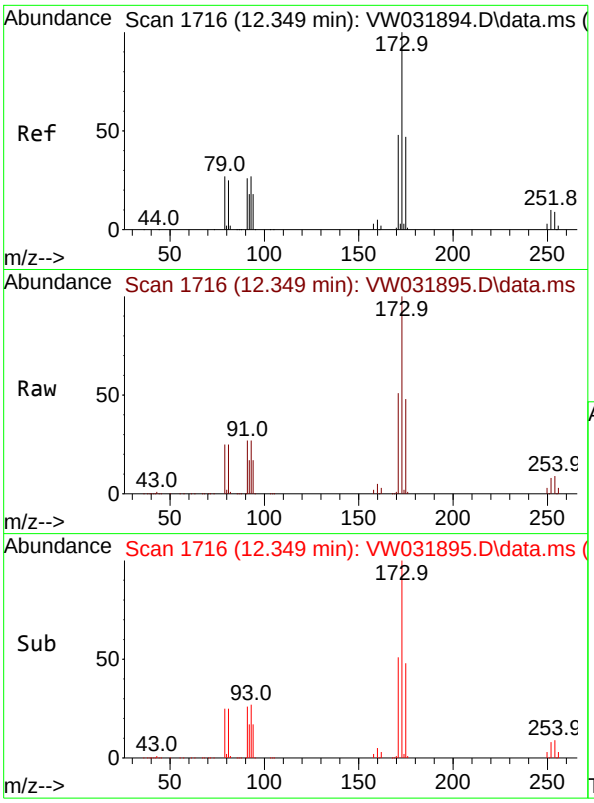


#70
Styrene
Concen: 97.850 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:104 Resp: 948526

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	56.4	42.8	64.2

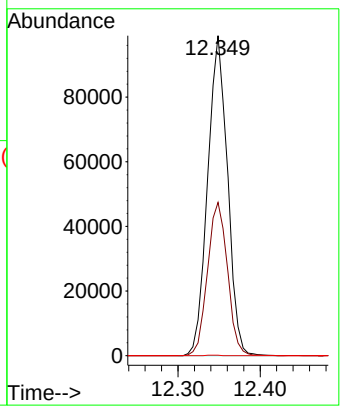




#71
Bromoform
Concen: 107.703 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:173 Resp: 16609

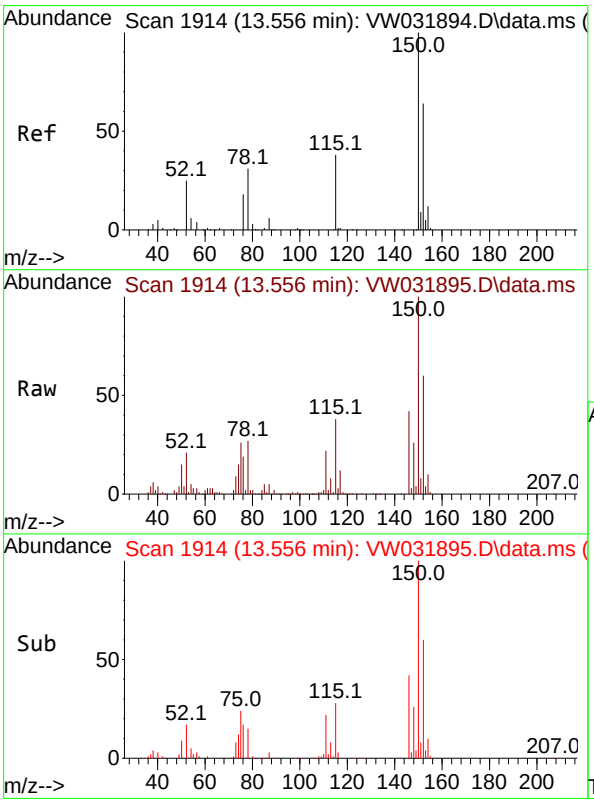
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

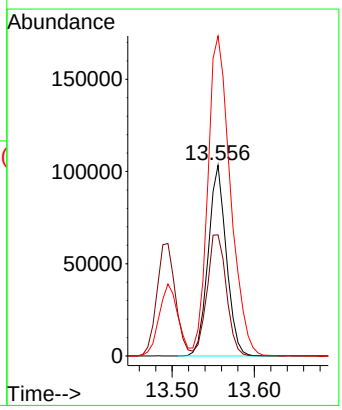
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

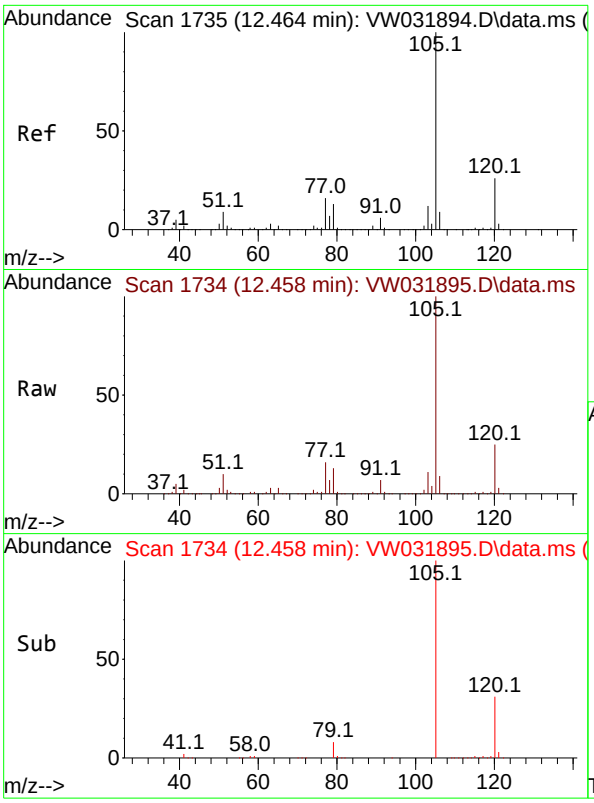


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:152 Resp: 158257

Ion	Ratio	Lower	Upper
152	100		
115	67.7	33.4	100.1
150	209.5	0.0	352.2

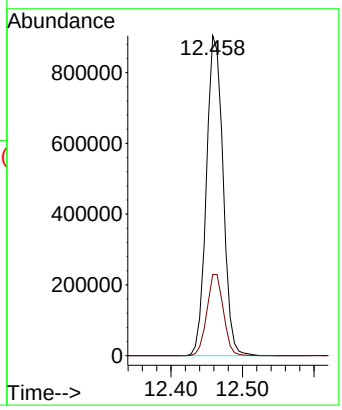




#73
Isopropylbenzene
Concen: 106.348 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 146030

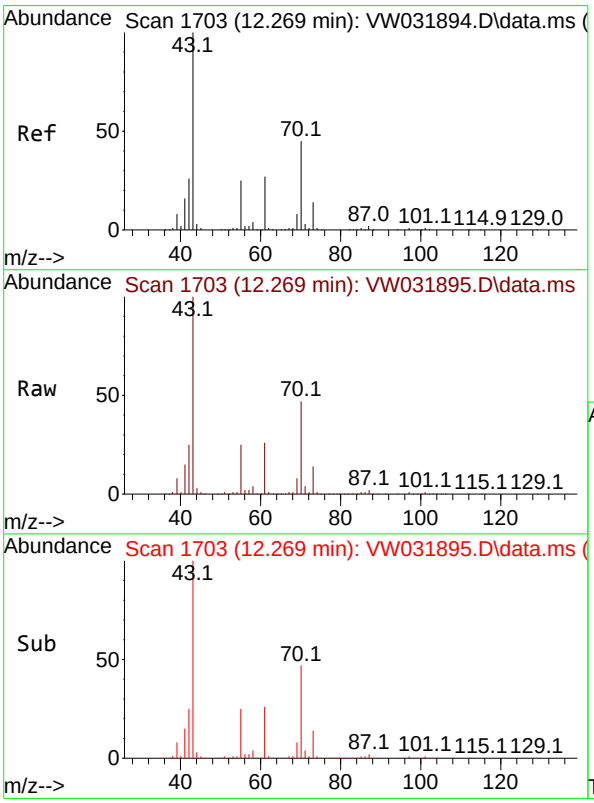
Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

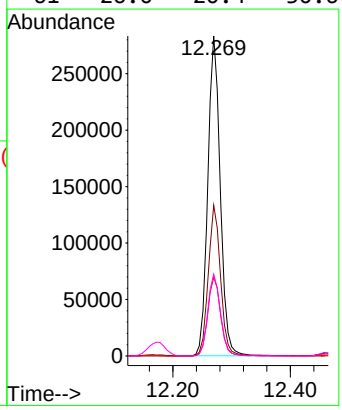
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

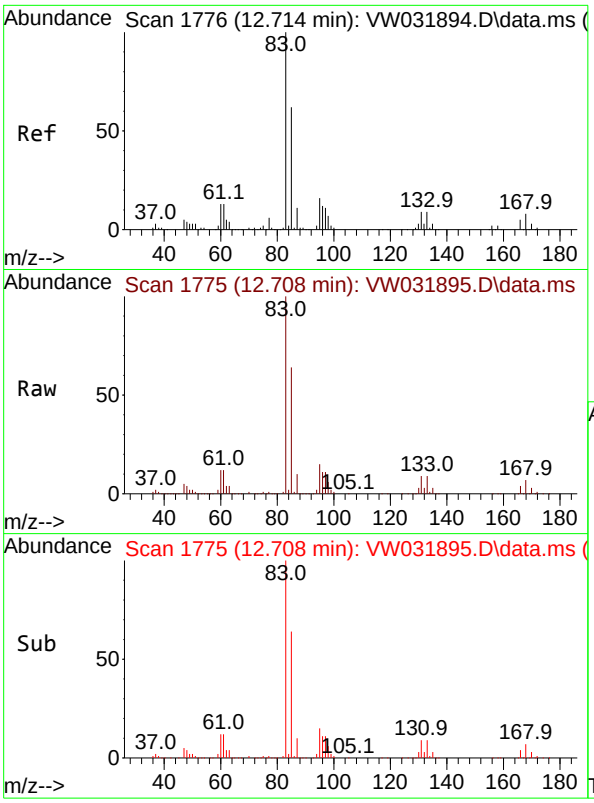


#74
N-amyl acetate
Concen: 112.451 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 417442

Ion	Ratio	Lower	Upper
43	100		
70	46.4	36.6	55.0
55	25.4	20.7	31.1
61	26.0	20.4	30.6

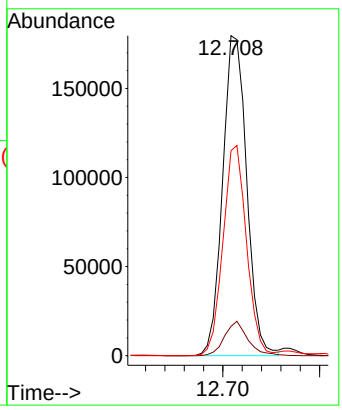




#75
1,1,2,2-Tetrachloroethane
Concen: 106.608 ug/l
RT: 12.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 83 Resp: 31072

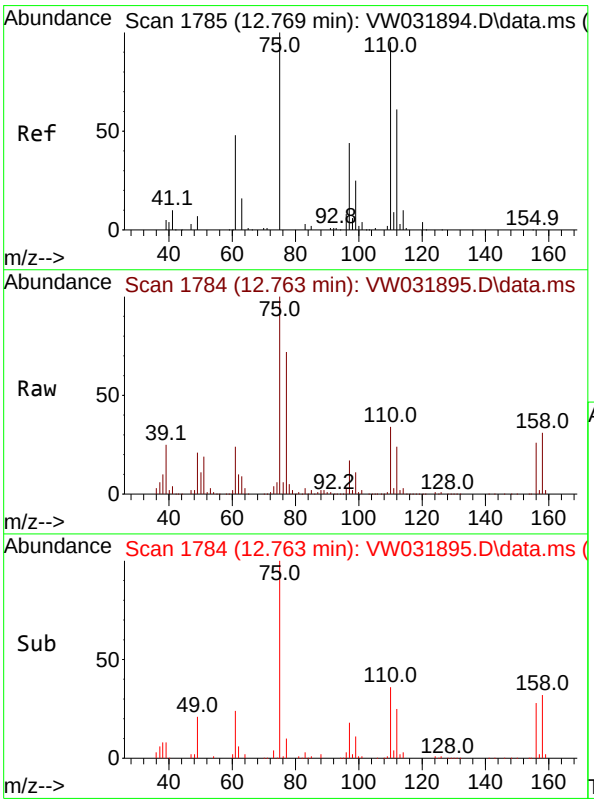
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	64.1	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

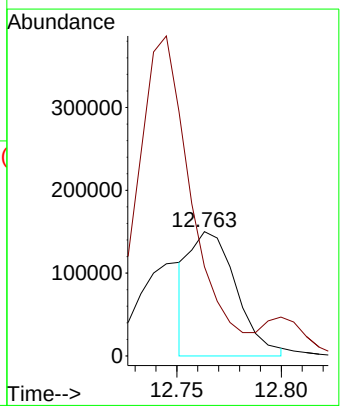
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

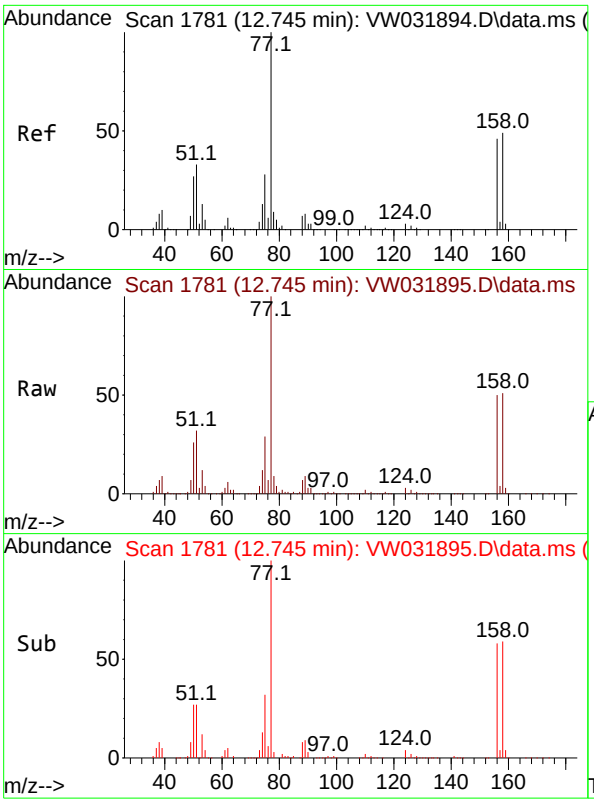


#76
1,2,3-Trichloropropane
Concen: 107.409 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 232716

Ion	Ratio	Lower	Upper
75	100		
77	297.8	0.0	0.0#





#77
Bromobenzene
Concen: 103.725 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

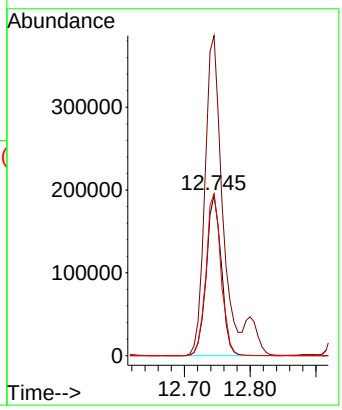
Tgt Ion:156 Resp: 30816

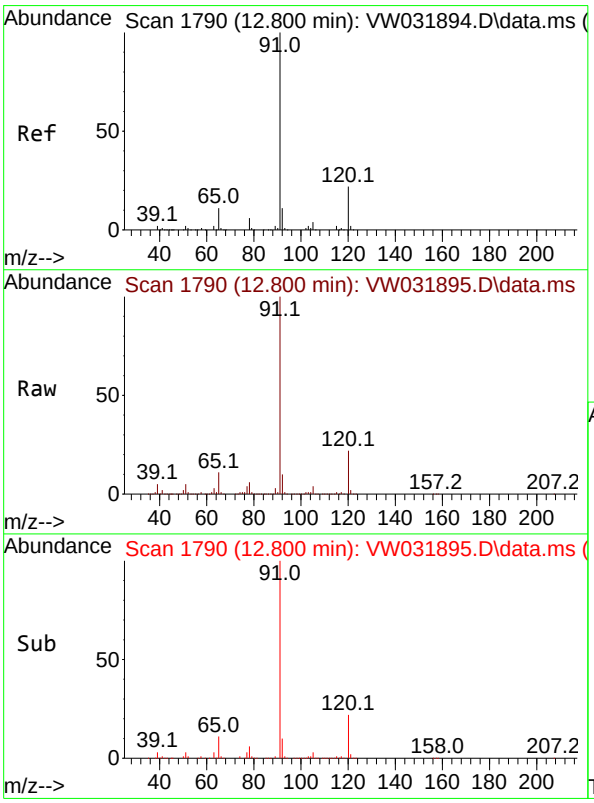
Ion	Ratio	Lower	Upper
156	100		
77	224.9	115.3	345.8
158	101.0	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

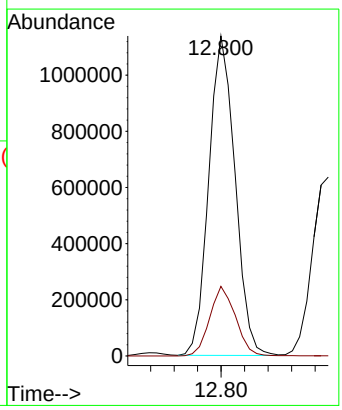


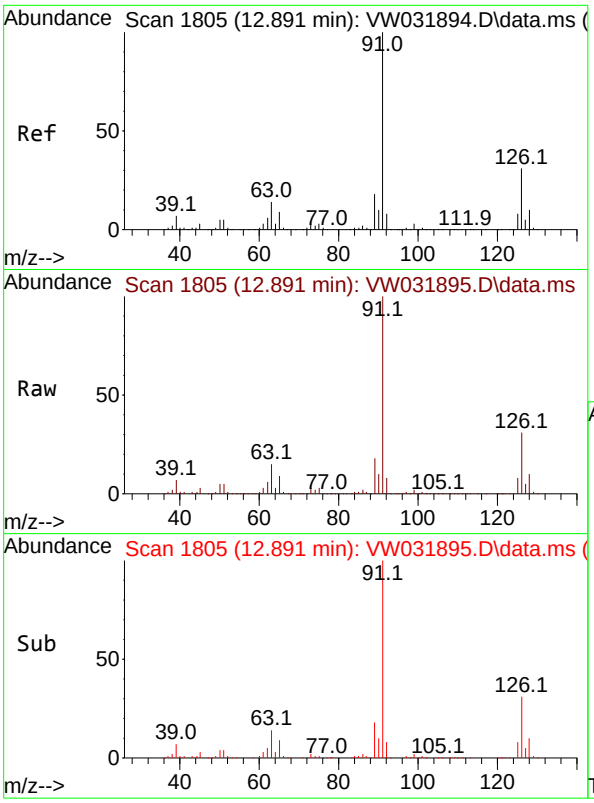


#78
n-propylbenzene
Concen: 104.679 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 1765379

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.6

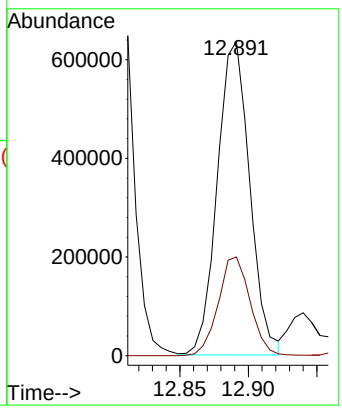




#79
2-Chlorotoluene
Concen: 103.935 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 104655

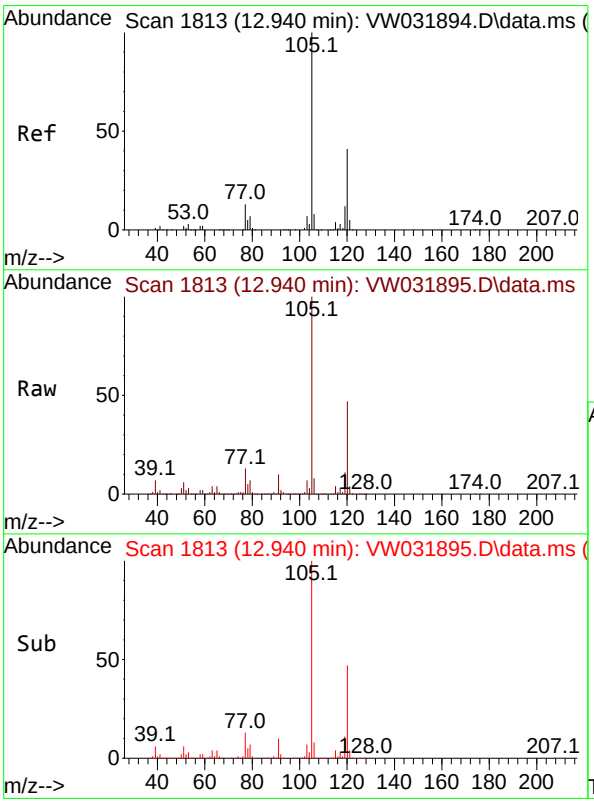
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

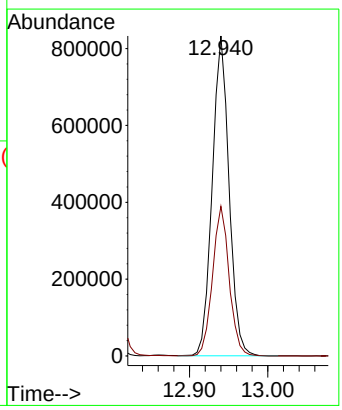
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

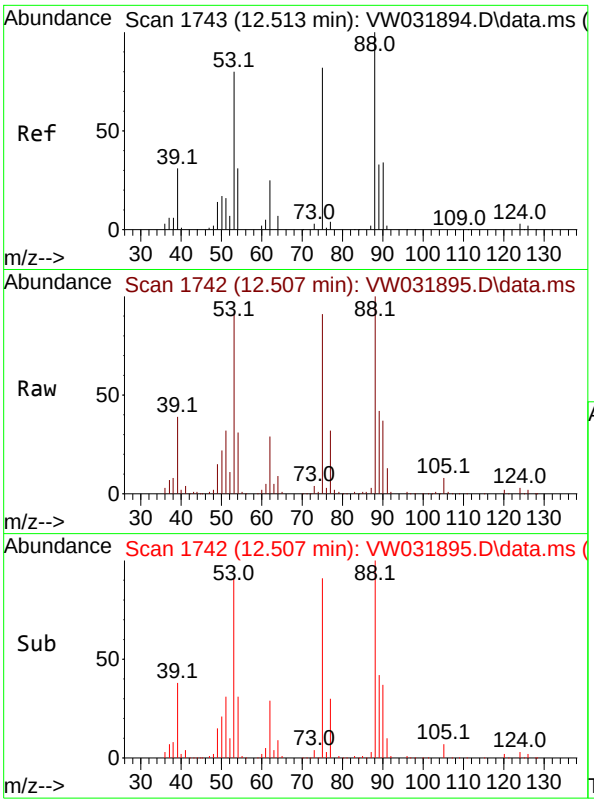


#80
1,3,5-Trimethylbenzene
Concen: 107.831 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 1241824

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5

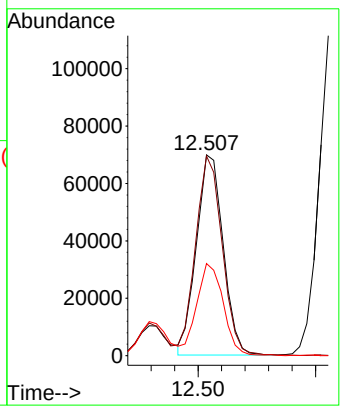




#81
trans-1,4-Dichloro-2-butene
Concen: 116.589 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 11034

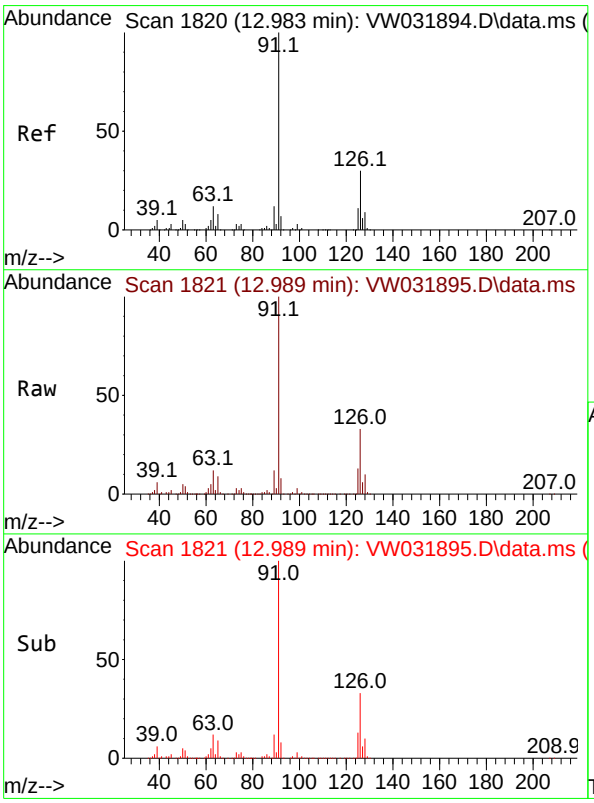
Ion	Ratio	Lower	Upper
75	100		
53	100.5	83.7	125.5
89	46.0	39.0	58.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

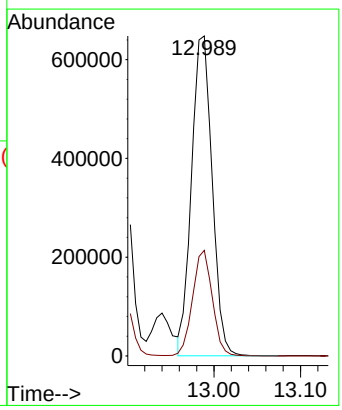
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

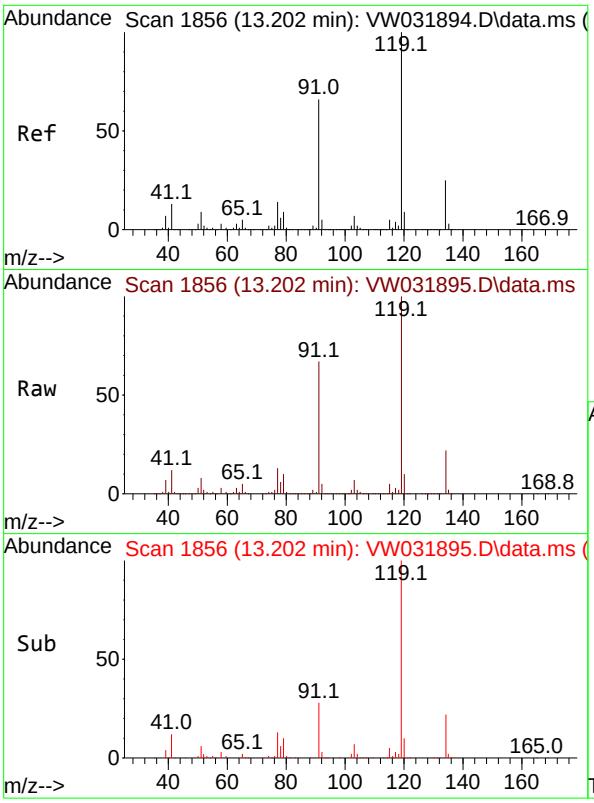


#82
4-Chlorotoluene
Concen: 101.386 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 1070989

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3

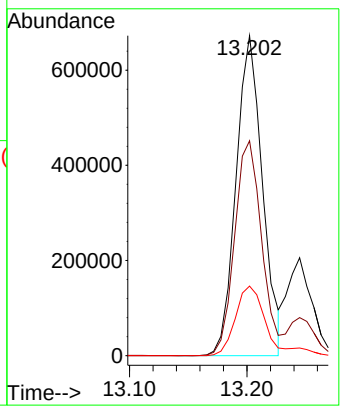




#83
tert-Butylbenzene
Concen: 107.273 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:119 Resp: 105231

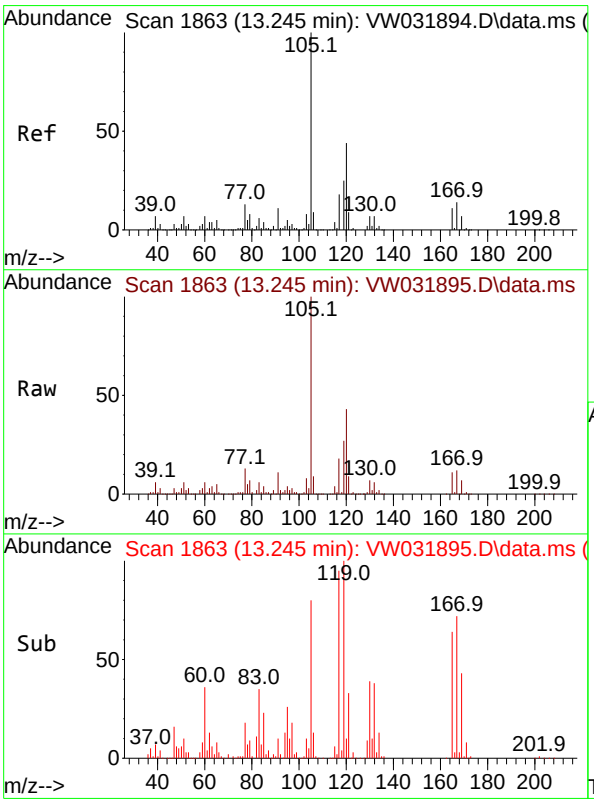
Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.5	106.5
134	25.5	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

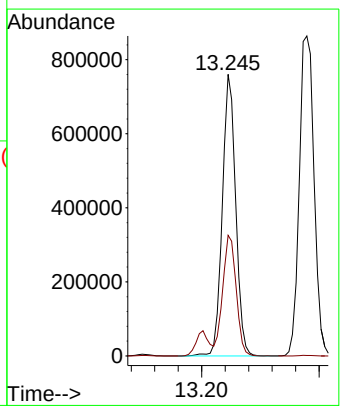
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

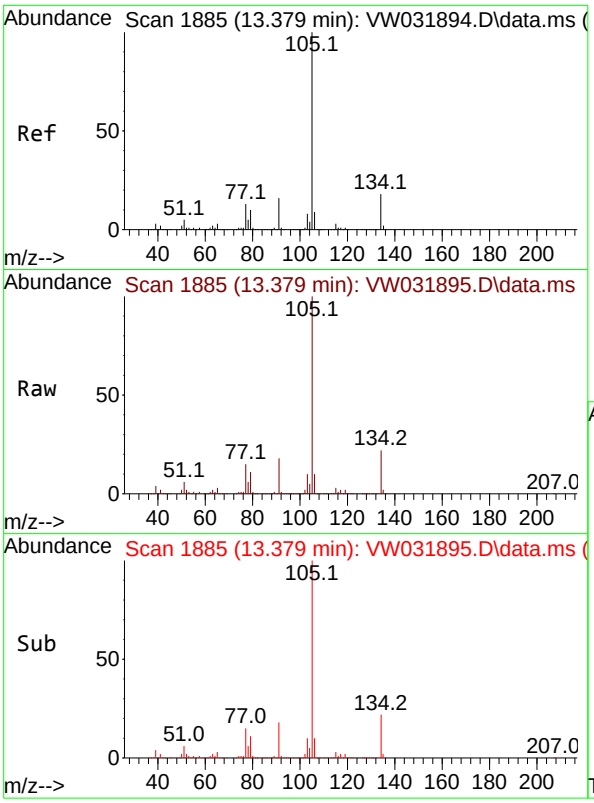


#84
1,2,4-Trimethylbenzene
Concen: 102.845 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 1198796

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9

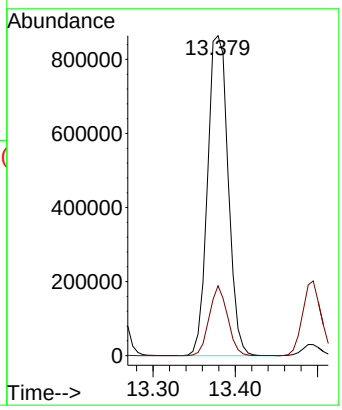




#85
sec-Butylbenzene
Concen: 102.008 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 150274

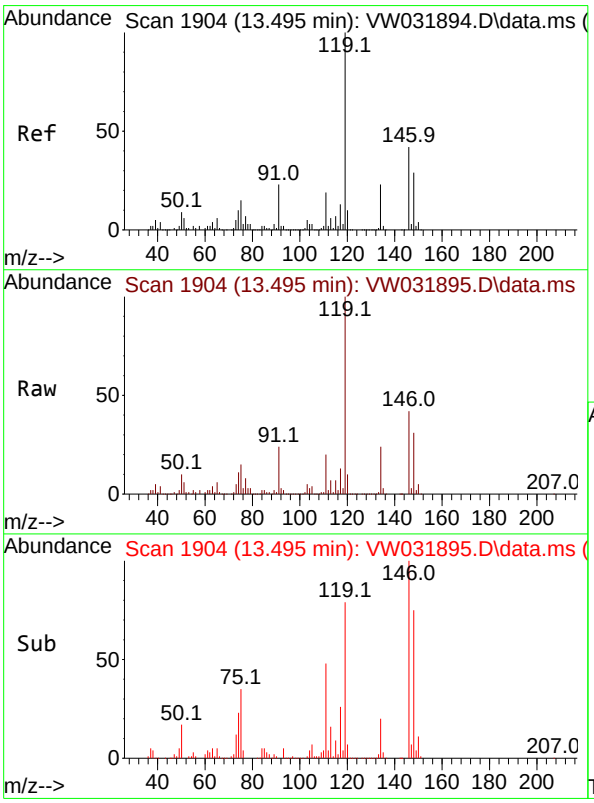
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

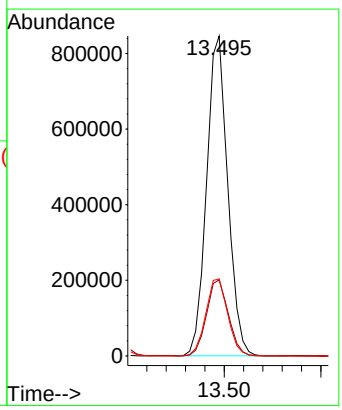
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

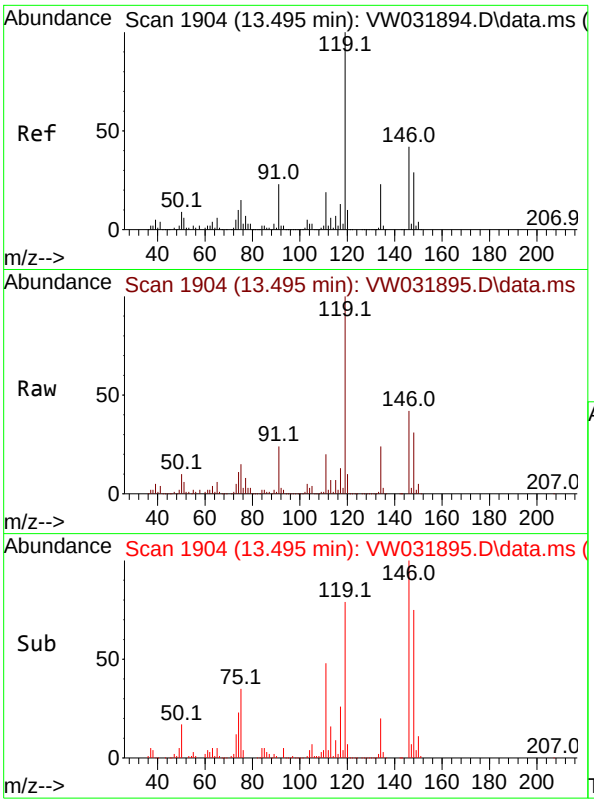


#86
p-Isopropyltoluene
Concen: 105.433 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:119 Resp: 1283789

Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.0	39.0
91	24.9	12.7	38.1

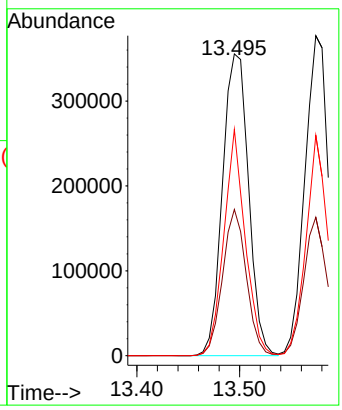




#87
1,3-Dichlorobenzene
Concen: 101.175 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:146 Resp: 62571

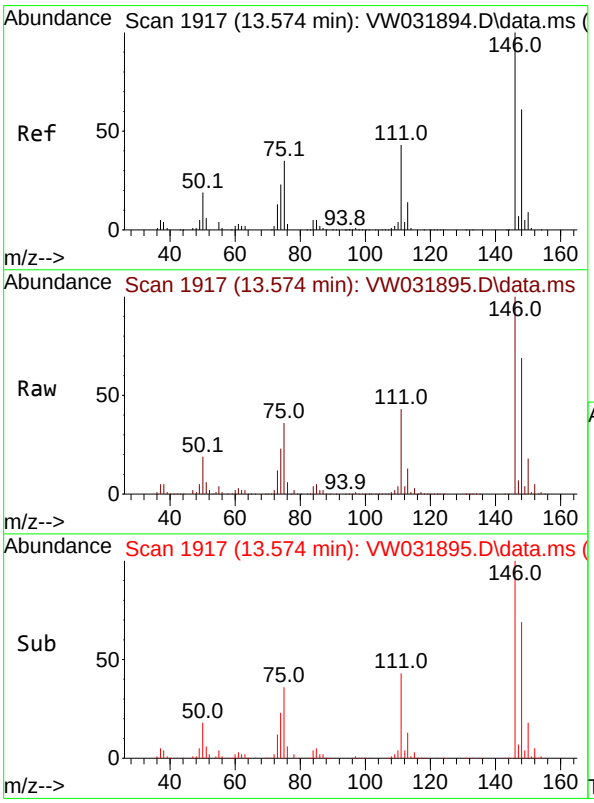
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.9	65.7
148	61.6	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

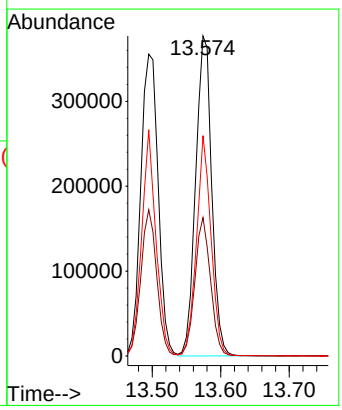
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

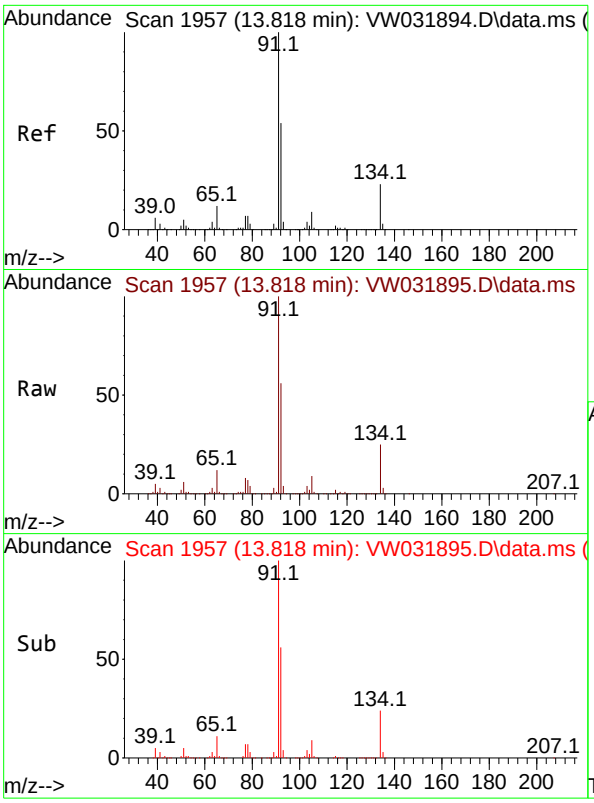


#88
1,4-Dichlorobenzene
Concen: 101.442 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:146 Resp: 614573

Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.1	66.3
148	62.7	31.8	95.3

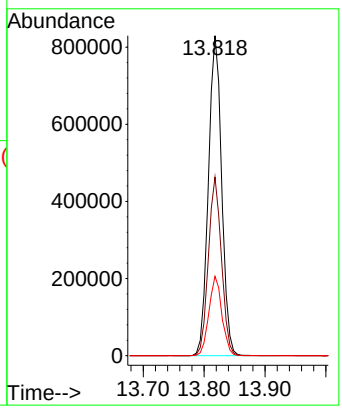




#89
n-Butylbenzene
Concen: 105.103 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 125543

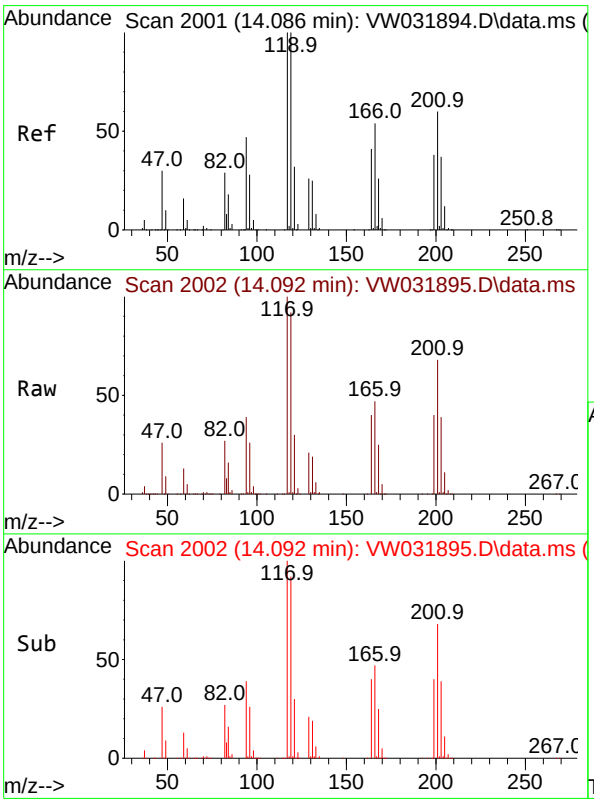
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	24.3	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

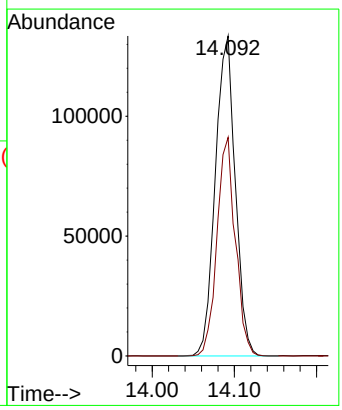
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

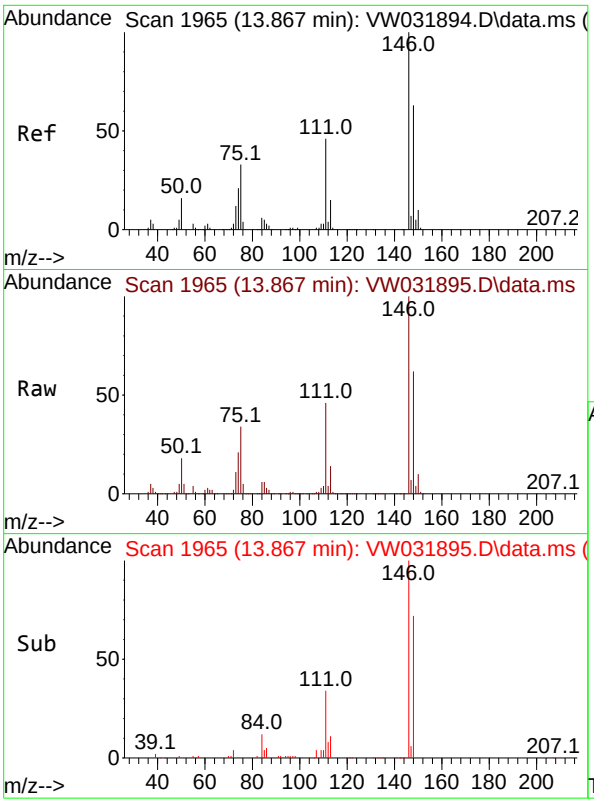


#90
Hexachloroethane
Concen: 107.168 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:117 Resp: 225644

Ion	Ratio	Lower	Upper
117	100		
201	62.9	28.4	85.2

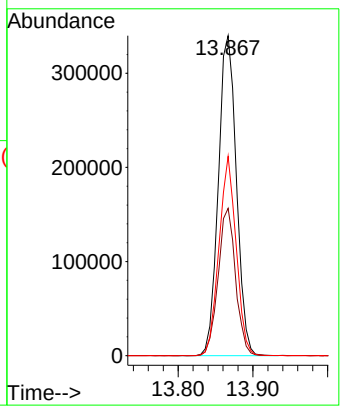




#91
1,2-Dichlorobenzene
Concen: 104.043 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:146 Resp: 57024

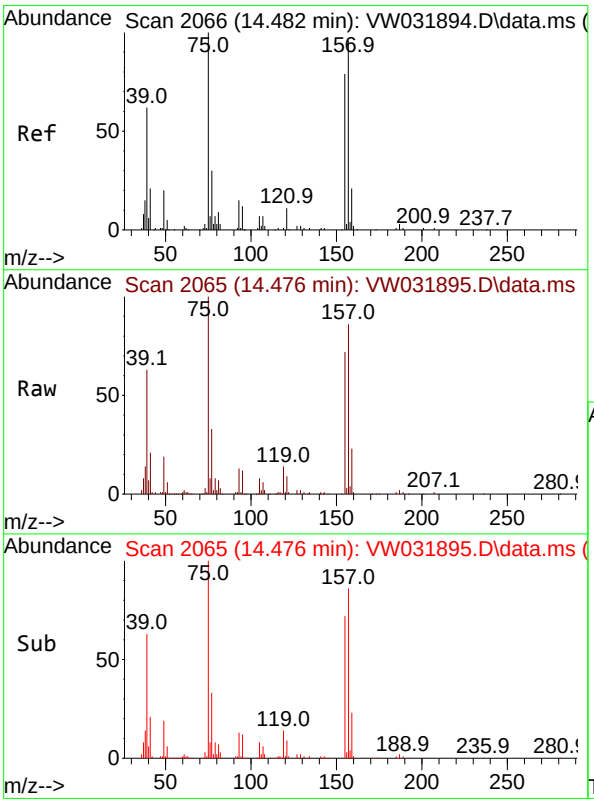
Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.6	71.0
148	59.3	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

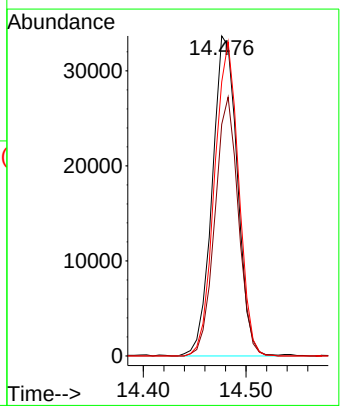
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

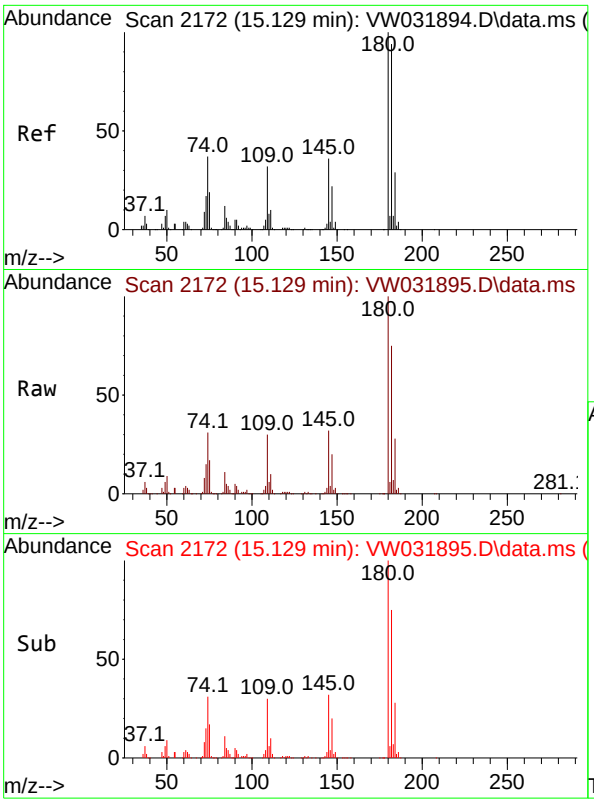


#92
1,2-Dibromo-3-Chloropropane
Concen: 108.370 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 57065

Ion	Ratio	Lower	Upper
75	100		
155	75.6	35.9	107.7
157	94.1	47.4	142.2

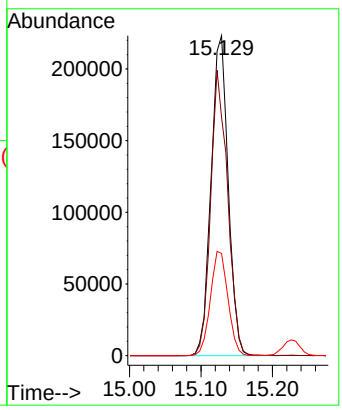




#93
1,2,4-Trichlorobenzene
Concen: 112.151 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:180 Resp: 37070

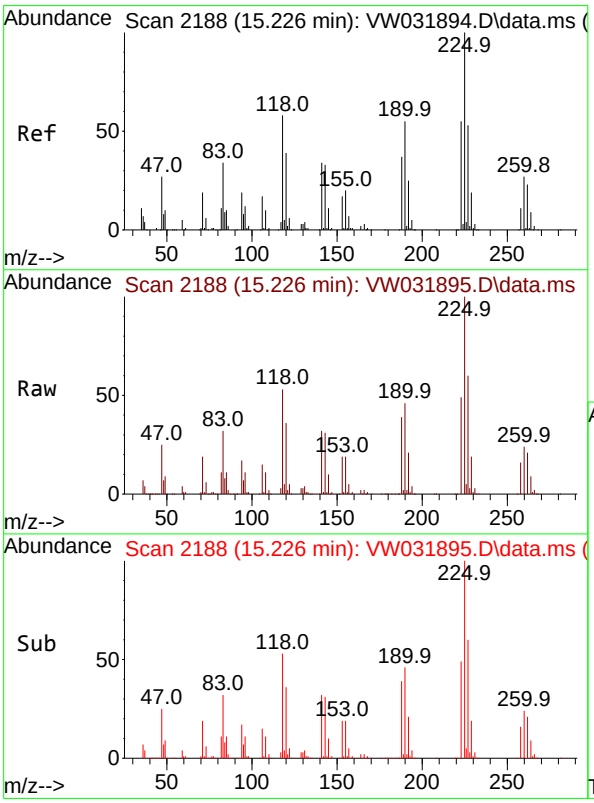
Ion	Ratio	Lower	Upper
180	100		
182	88.6	51.0	153.1
145	33.5	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

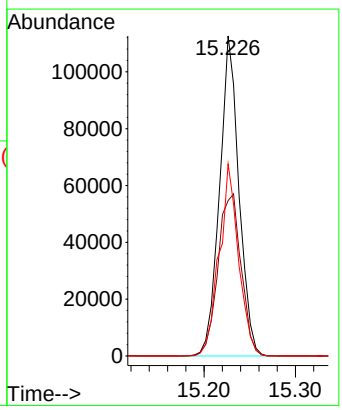
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

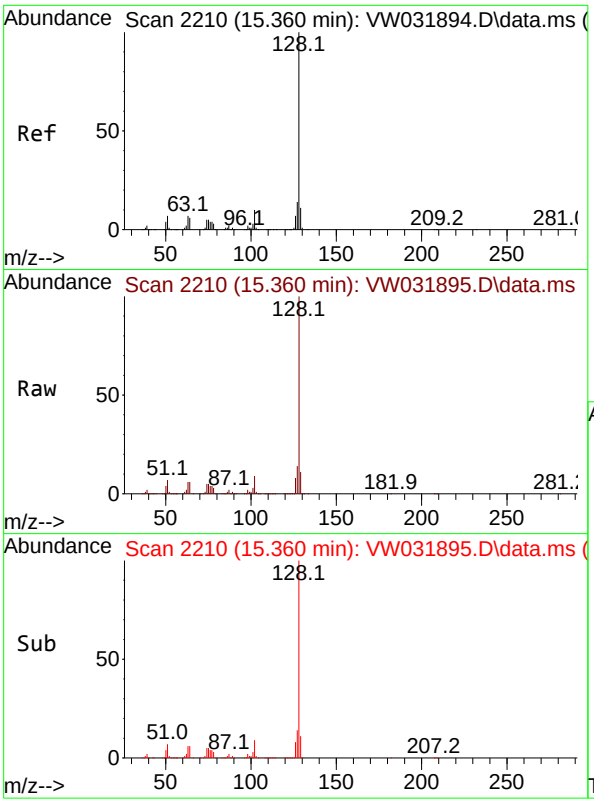


#94
Hexachlorobutadiene
Concen: 106.085 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:225 Resp: 166160

Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.7
227	59.8	30.0	90.1

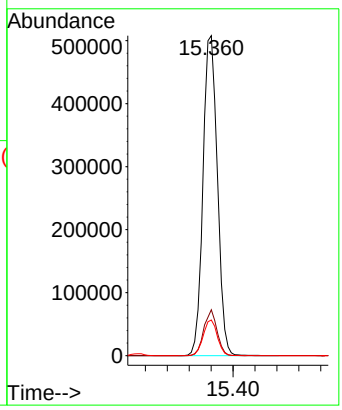




#95
Naphthalene
Concen: 113.469 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:128 Resp: 92210

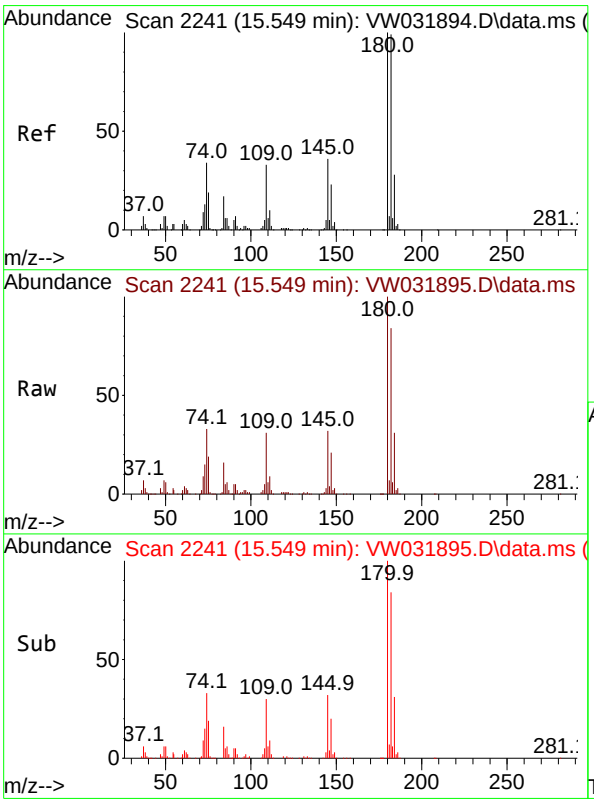
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

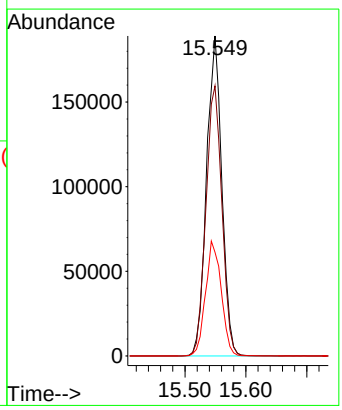
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 110.082 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:180 Resp: 329679

Ion	Ratio	Lower	Upper
180	100		
182	88.5	50.4	151.2
145	37.0	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	410405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	453594	136.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 272.060%#			
35) Dibromofluoromethane	7.898	113	399487	143.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 286.500%#			
50) Toluene-d8	10.324	98	1482591	140.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 280.940%#			
62) 4-Bromofluorobenzene	12.617	95	556999	137.437	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 274.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	236321	144.250	ug/l	97
3) Chloromethane	2.259	50	329540	156.720	ug/l	98
4) Vinyl Chloride	2.411	62	412456	151.000	ug/l	99
5) Bromomethane	2.820	94	302212	150.249	ug/l	100
6) Chloroethane	2.972	64	273738	151.843	ug/l	100
7) Trichlorofluoromethane	3.301	101	440230	159.125	ug/l	98
8) Diethyl Ether	3.722	74	261548	141.526	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	390066	146.583	ug/l	99
10) Methyl Iodide	4.307	142	595320	149.628	ug/l	99
11) Tert butyl alcohol	5.210	59	134310	685.235	ug/l	99
12) 1,1-Dichloroethene	4.076	96	442469	150.541	ug/l	93
13) Acrolein	3.929	56	164048	739.113	ug/l	99
14) Allyl chloride	4.697	41	703862	153.834	ug/l	99
15) Acrylonitrile	5.399	53	594863	719.982	ug/l	99
16) Acetone	4.155	43	538491	680.547	ug/l	100
17) Carbon Disulfide	4.417	76	1189183	156.005	ug/l	98
18) Methyl Acetate	4.704	43	318191	145.961	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	688978	135.668	ug/l	98
20) Methylene Chloride	4.947	84	477228	150.364	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	470689	150.934	ug/l	96
22) Diisopropyl ether	6.337	45	1345510	146.962	ug/l	98
23) Vinyl Acetate	6.283	43	4440675	742.410	ug/l	99
24) 1,1-Dichloroethane	6.246	63	856816	150.310	ug/l	100
25) 2-Butanone	7.191	43	749073	691.906	ug/l	95
26) 2,2-Dichloropropane	7.185	77	489368	151.639	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	549658	149.926	ug/l	97
28) Bromochloromethane	7.526	49	350866	147.009	ug/l	97
29) Tetrahydrofuran	7.551	42	493192	694.835	ug/l	100
30) Chloroform	7.691	83	885019	148.076	ug/l	98
31) Cyclohexane	7.965	56	732101	143.155	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	682184	149.995	ug/l	98
36) 1,1-Dichloropropene	8.093	75	632279	147.634	ug/l	99
37) Ethyl Acetate	7.270	43	344416	140.974	ug/l	100
38) Carbon Tetrachloride	8.081	117	623463	151.686	ug/l	98
39) Methylcyclohexane	9.343	83	811686	150.600	ug/l	99
40) Benzene	8.337	78	1867656	147.317	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.496	41	204750	142.282 ug/l	96
42) 1,2-Dichloroethane	8.410	62	579516	142.827 ug/l	99
43) Isopropyl Acetate	8.435	43	643412	145.474 ug/l	99
44) Trichloroethene	9.099	130	452970	150.317 ug/l	98
45) 1,2-Dichloropropane	9.373	63	456144	149.396 ug/l	97
46) Dibromomethane	9.465	93	272269	143.854 ug/l	99
47) Bromodichloromethane	9.648	83	685853	151.120 ug/l	96
48) Methyl methacrylate	9.441	41	314142	149.293 ug/l	100
49) 1,4-Dioxane	9.459	88	56346	2983.527 ug/l #	83
51) 4-Methyl-2-Pentanone	10.209	43	1683322	695.441 ug/l	99
52) Toluene	10.392	92	1214012	148.962 ug/l	100
53) t-1,3-Dichloropropene	10.605	75	679932	156.179 ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	759882	152.840 ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	363045	144.405 ug/l	92
56) Ethyl methacrylate	10.648	69	540138	152.123 ug/l	99
57) 1,3-Dichloropropane	10.934	76	632065	142.707 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	1375316	754.091 ug/l	98
59) 2-Hexanone	10.971	43	1166153	693.111 ug/l	100
60) Dibromochloromethane	11.129	129	442293	150.890 ug/l	100
61) 1,2-Dibromoethane	11.239	107	357193	143.785 ug/l	97
64) Tetrachloroethene	10.867	164	350332	146.849 ug/l	96
65) Chlorobenzene	11.660	112	1308167	147.719 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	415946	151.507 ug/l	99
67) Ethyl Benzene	11.727	91	2319514	149.072 ug/l	97
68) m/p-Xylenes	11.836	106	1740273	297.100 ug/l	100
69) o-Xylene	12.166	106	846824	152.763 ug/l	99
70) Styrene	12.178	104	1419800	150.432 ug/l	99
71) Bromoform	12.349	173	228504	152.187 ug/l #	99
73) Isopropylbenzene	12.458	105	2118035	151.692 ug/l	99
74) N-amyl acetate	12.269	43	565165	149.722 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	419030	141.385 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	310612m	140.986 ug/l	
77) Bromobenzene	12.745	156	452752	149.865 ug/l	95
78) n-propylbenzene	12.800	91	2550787	148.745 ug/l	98
79) 2-Chlorotoluene	12.891	91	1538753	150.285 ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1765381	150.754 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	151238	157.156 ug/l	96
82) 4-Chlorotoluene	12.983	91	1582046	147.284 ug/l	98
83) tert-Butylbenzene	13.202	119	1484103	148.784 ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1754255	148.004 ug/l	99
85) sec-Butylbenzene	13.379	105	2245185	149.881 ug/l	99
86) p-Isopropyltoluene	13.495	119	1828574	147.687 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	897163	142.664 ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	860596	139.697 ug/l	97
89) n-Butylbenzene	13.818	91	1809075	148.944 ug/l	97
90) Hexachloroethane	14.086	117	338316	158.018 ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	794424	142.542 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	77276	144.321 ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	487461	145.031 ug/l	93
94) Hexachlorobutadiene	15.226	225	234457	147.210 ug/l	96
95) Naphthalene	15.360	128	1247633	150.984 ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	444087	145.827 ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

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

ICAL Form

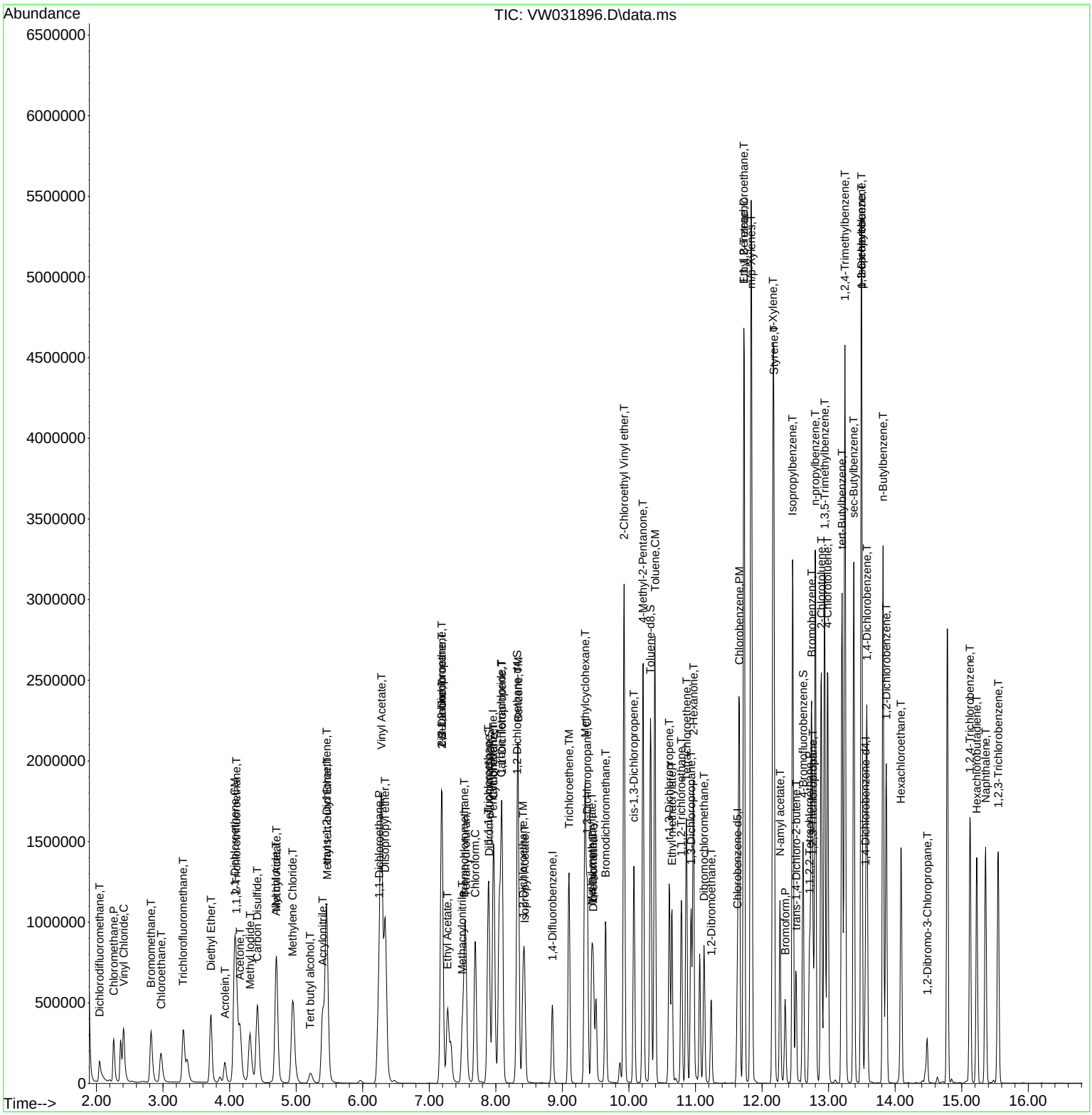
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

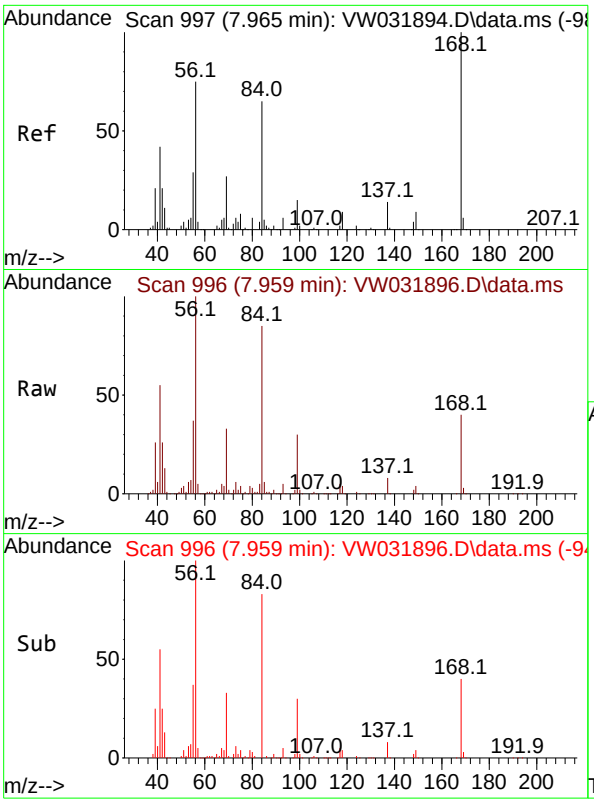
Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

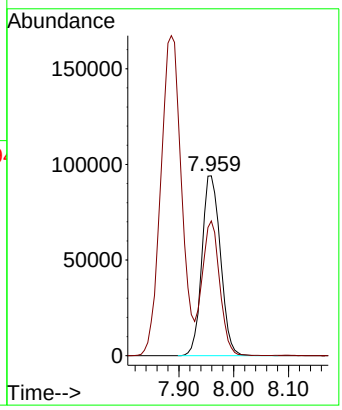




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:168 Resp: 22042

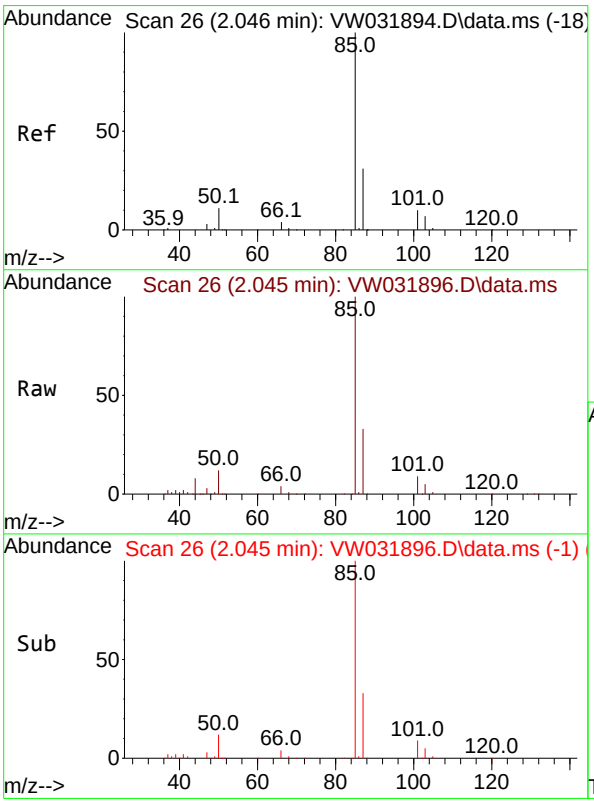
Ion	Ratio	Lower	Upper
168	100		
99	74.6	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

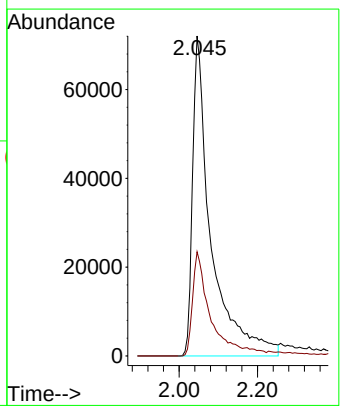
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

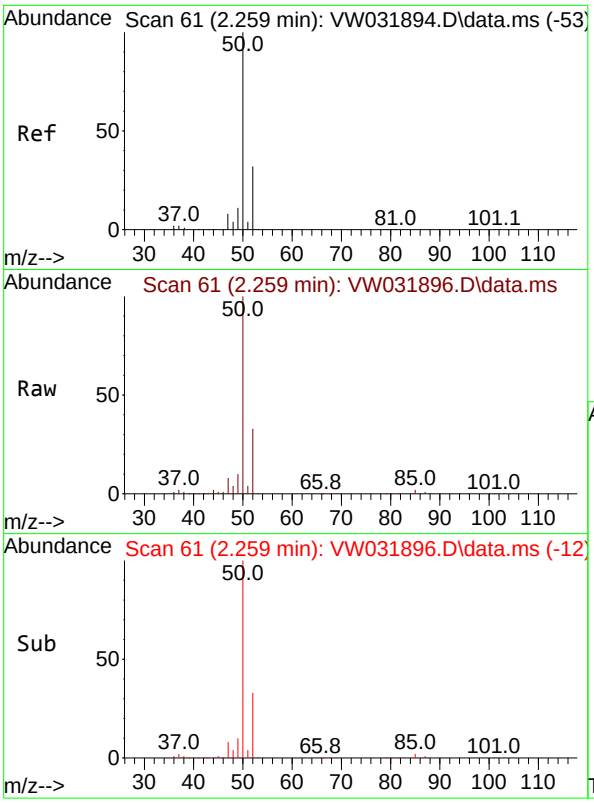


#2
Dichlorodifluoromethane
Concen: 144.250 ug/l
RT: 2.045 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 85 Resp: 236321

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.5	46.5

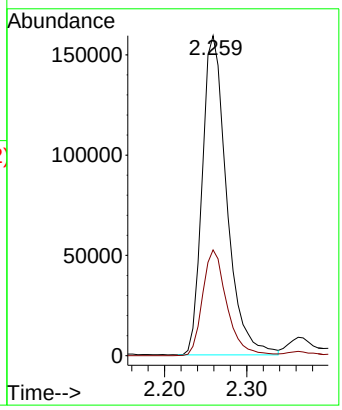




#3
Chloromethane
Concen: 156.720 ug/l
RT: 2.259 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 50 Resp: 32954

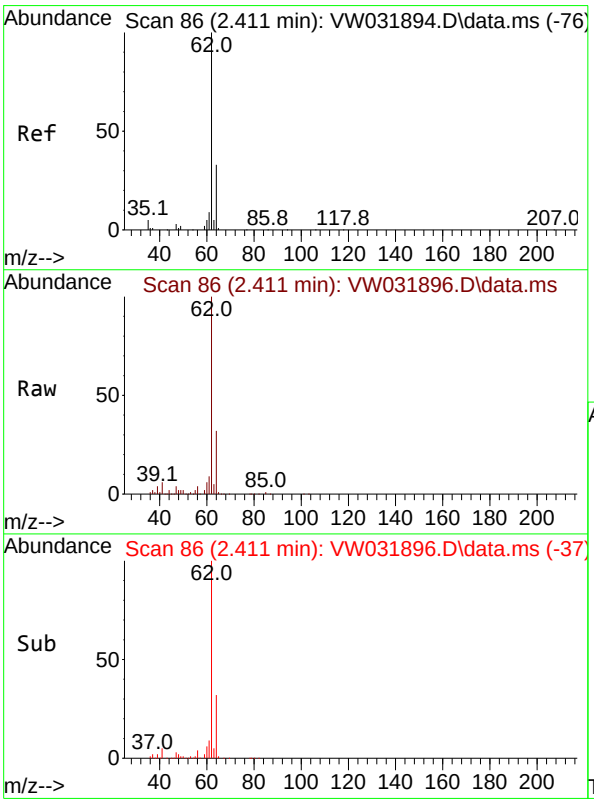
Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

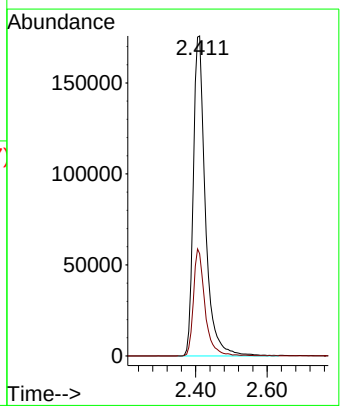
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

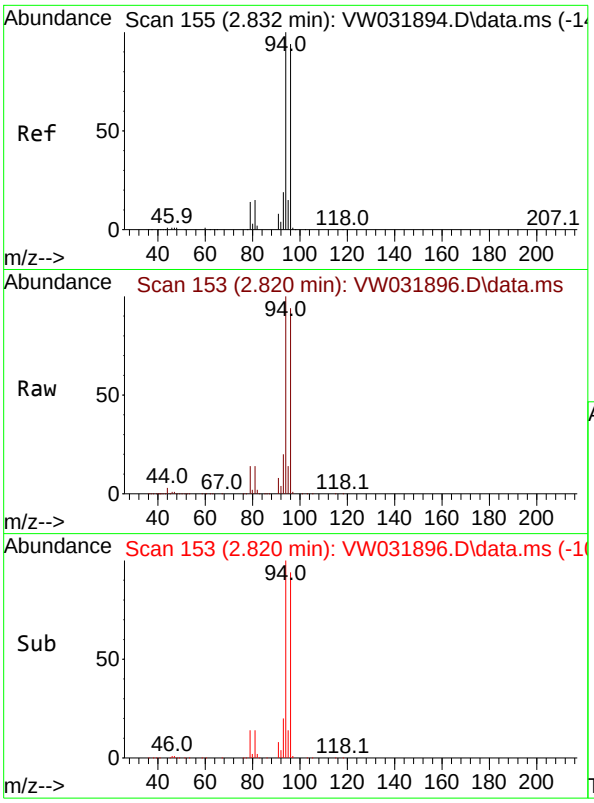


#4
Vinyl Chloride
Concen: 151.000 ug/l
RT: 2.411 min Scan# 86
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 62 Resp: 412456

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.2	39.2

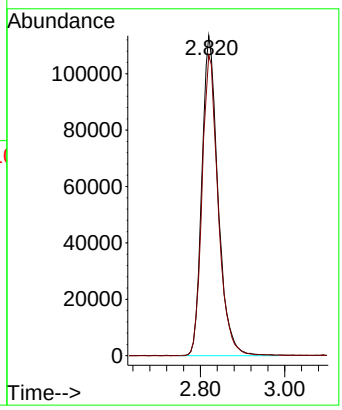




#5
Bromomethane
Concen: 150.249 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 94 Resp: 30221

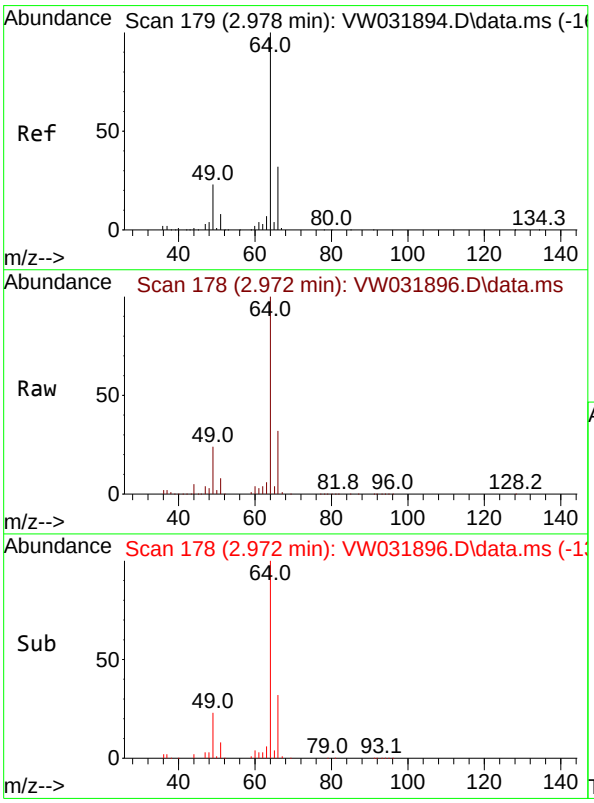
Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

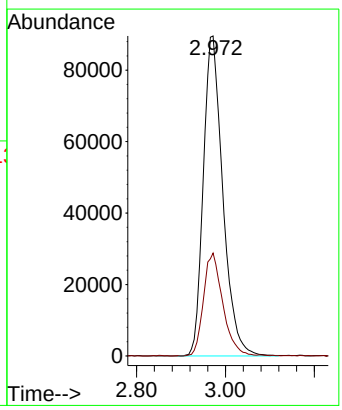
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

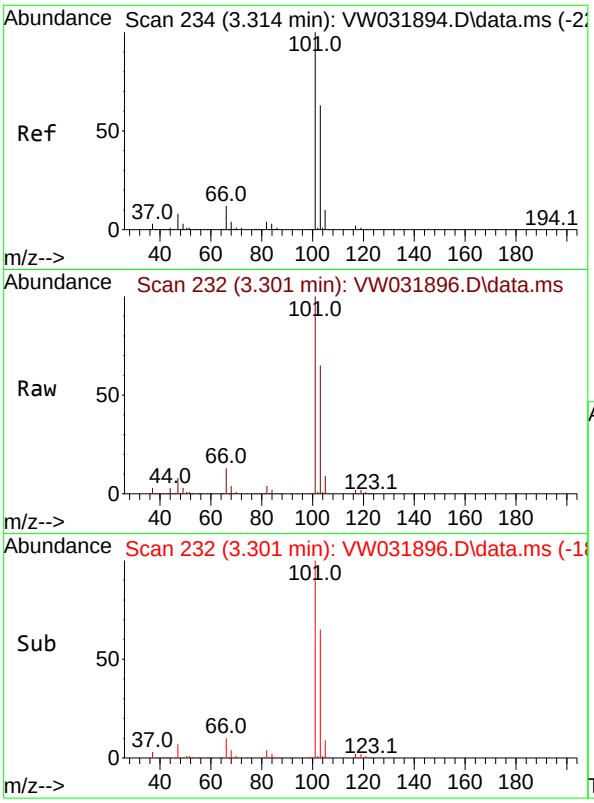


#6
Chloroethane
Concen: 151.843 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 64 Resp: 273738

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4

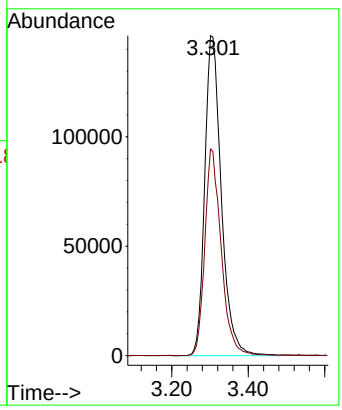




#7
Trichlorofluoromethane
Concen: 159.125 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:101 Resp: 44023

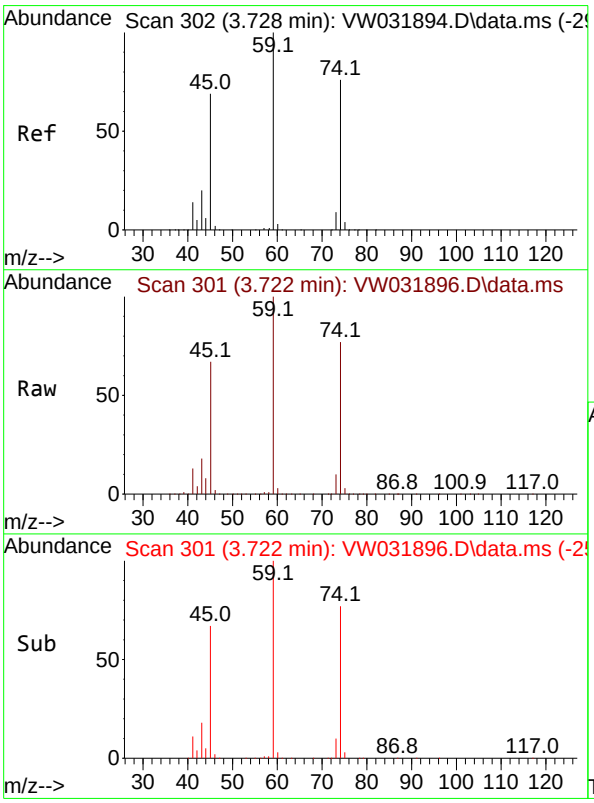
Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

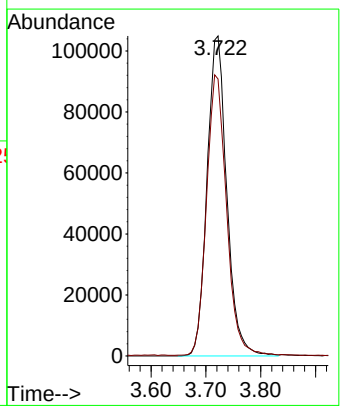
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

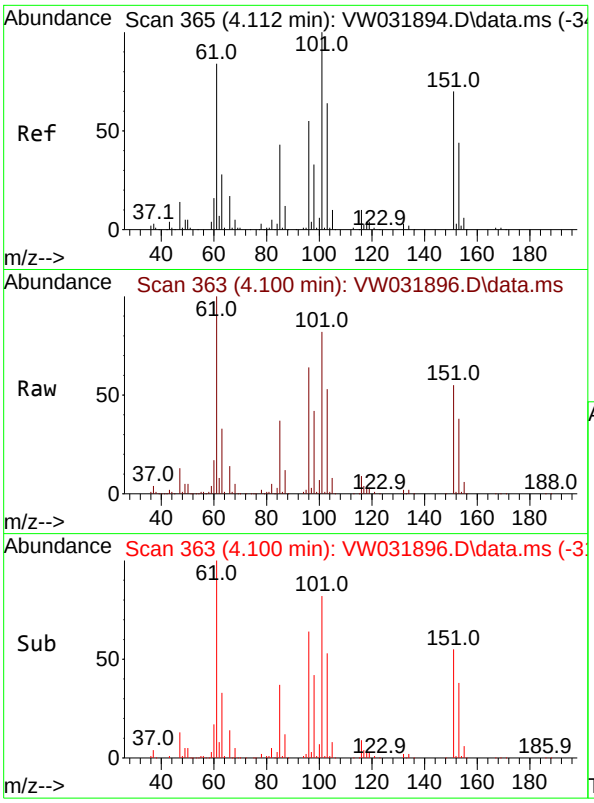


#8
Diethyl Ether
Concen: 141.526 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 74 Resp: 261548

Ion	Ratio	Lower	Upper
74	100		
45	88.8	45.5	136.5

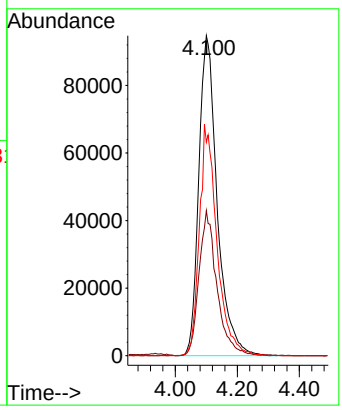




#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.583 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:101 Resp: 39006

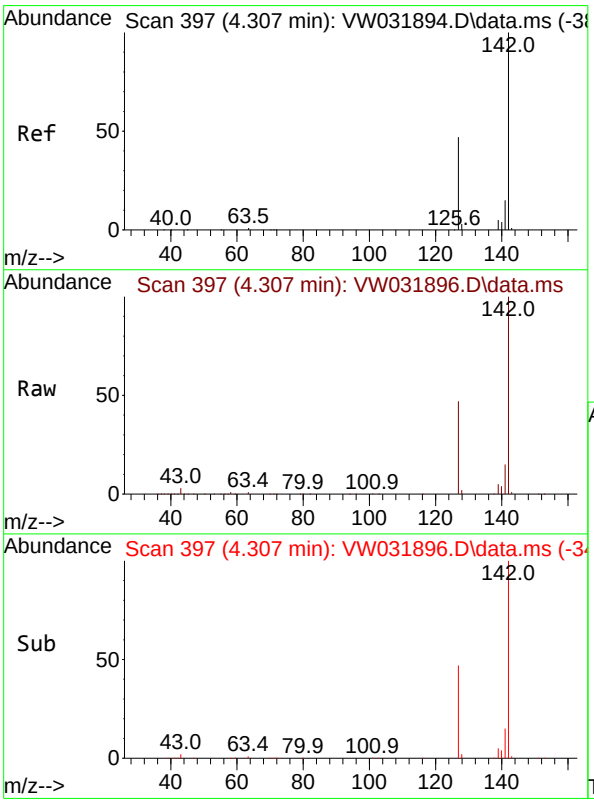
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	69.1	54.6	81.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

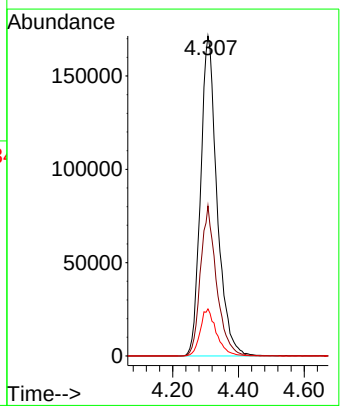
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

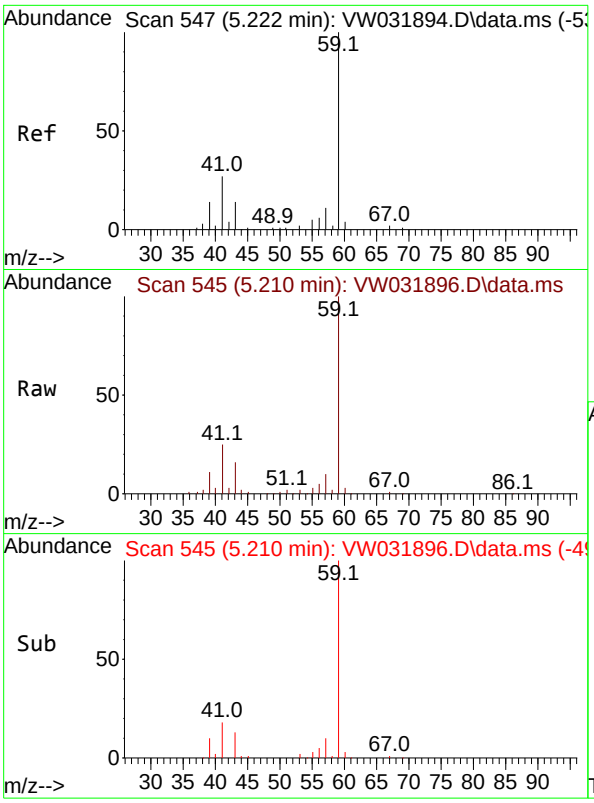


#10
Methyl Iodide
Concen: 149.628 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:142 Resp: 595320

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.4	56.2
141	14.5	11.9	17.9

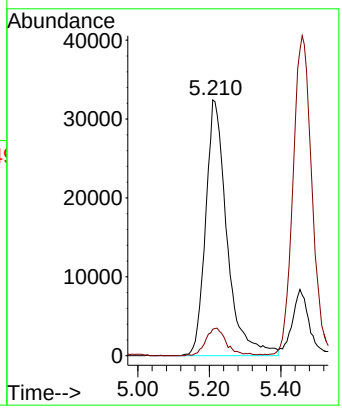




#11
Tert butyl alcohol
Concen: 685.235 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 59 Resp: 13431

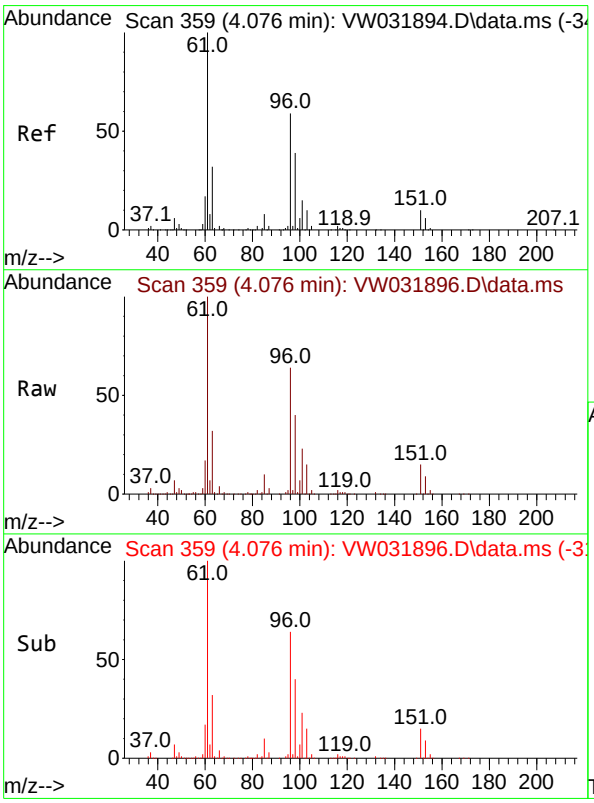
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

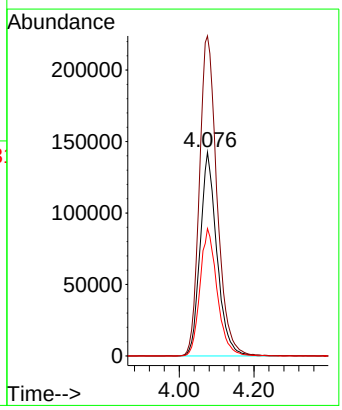
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

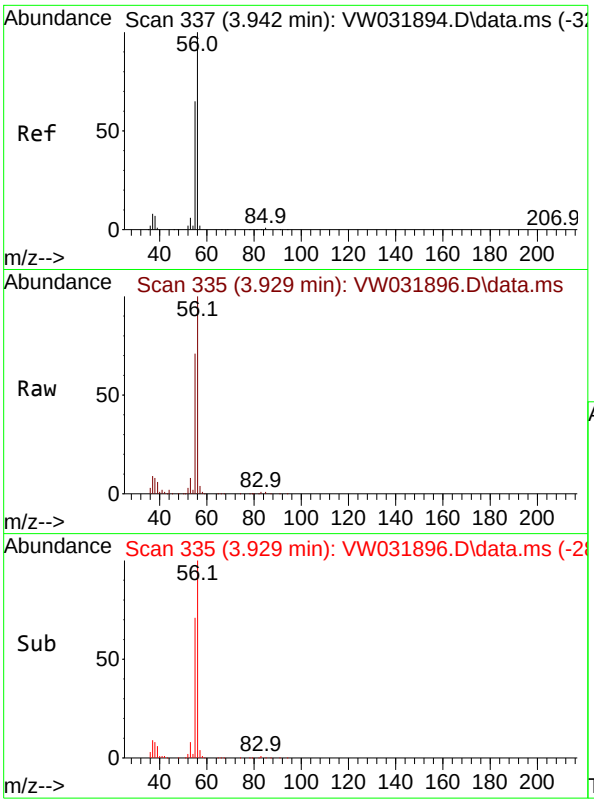


#12
1,1-Dichloroethene
Concen: 150.541 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 96 Resp: 442469

Ion	Ratio	Lower	Upper
96	100		
61	157.1	135.0	202.6
98	62.5	52.3	78.5

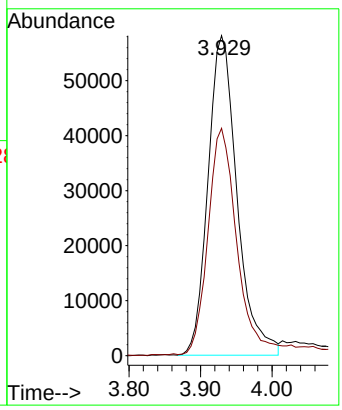




#13
Acrolein
Concen: 739.113 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 56 Resp: 16404

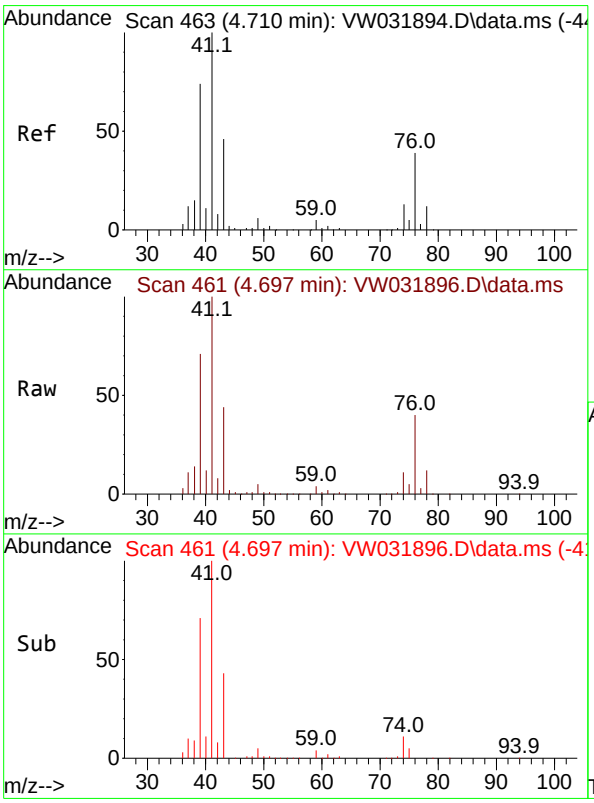
Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

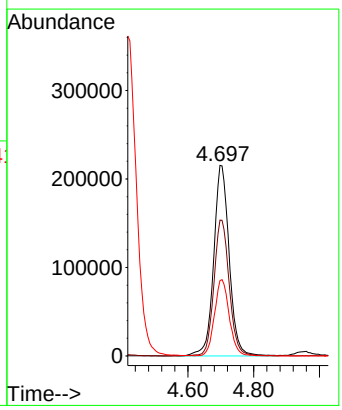
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

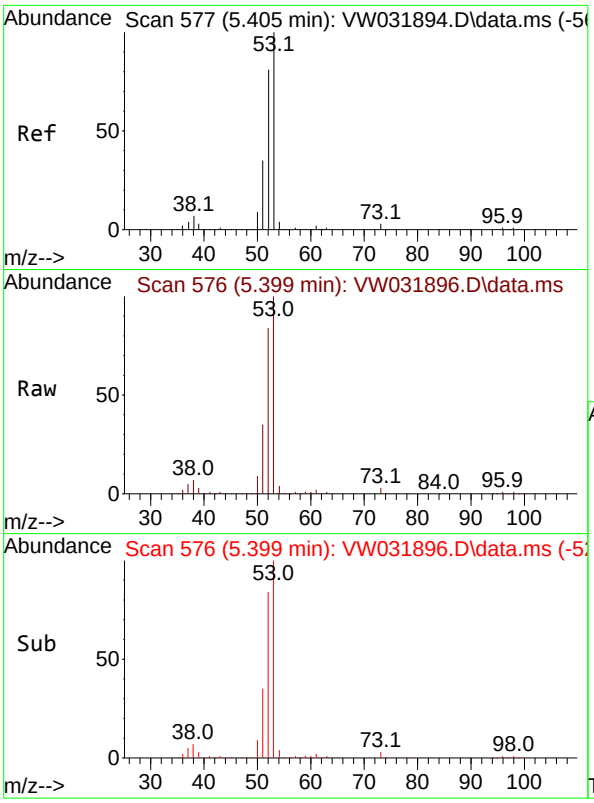


#14
Allyl chloride
Concen: 153.834 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 41 Resp: 703862

Ion	Ratio	Lower	Upper
41	100		
39	70.2	56.6	85.0
76	38.0	30.1	45.1

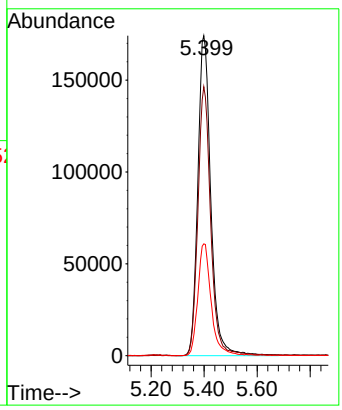




#15
Acrylonitrile
Concen: 719.982 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 53 Resp: 59486

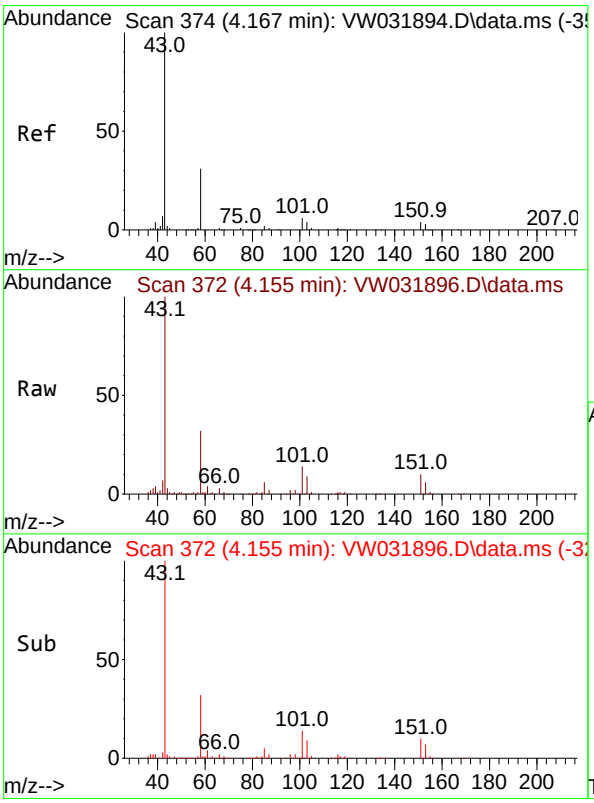
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	36.0	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

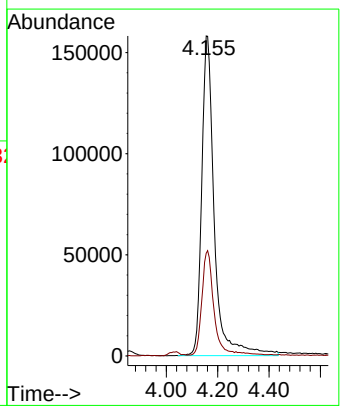
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

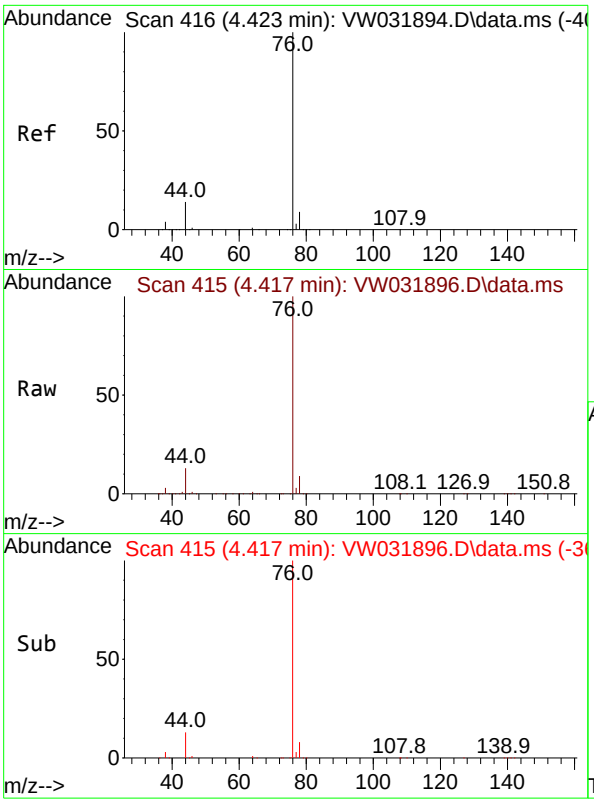


#16
Acetone
Concen: 680.547 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 538491

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3

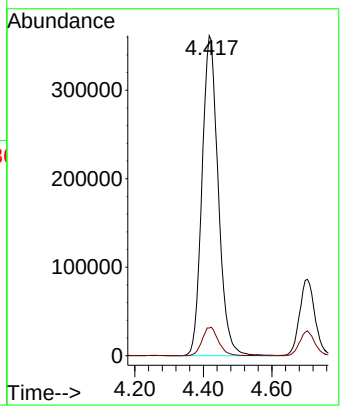




#17
Carbon Disulfide
Concen: 156.005 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 76 Resp: 118918

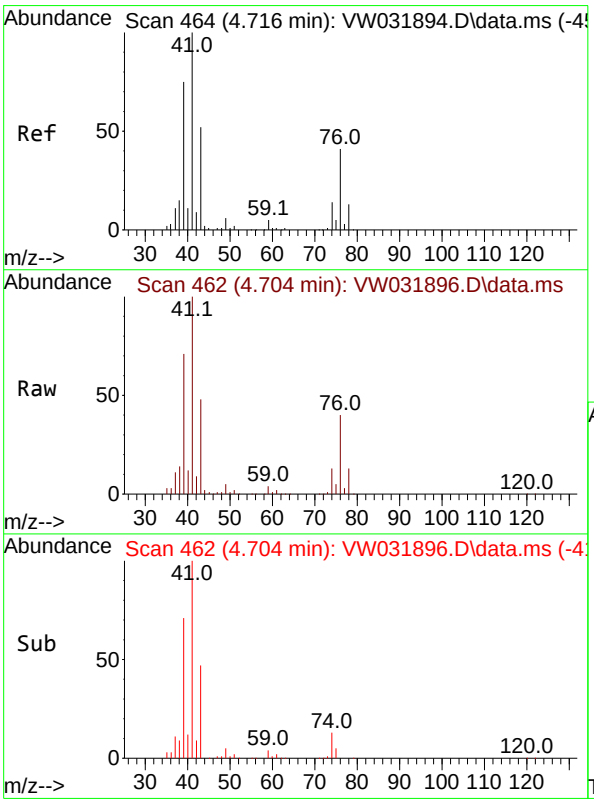
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

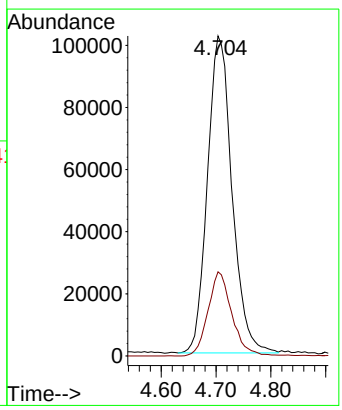
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

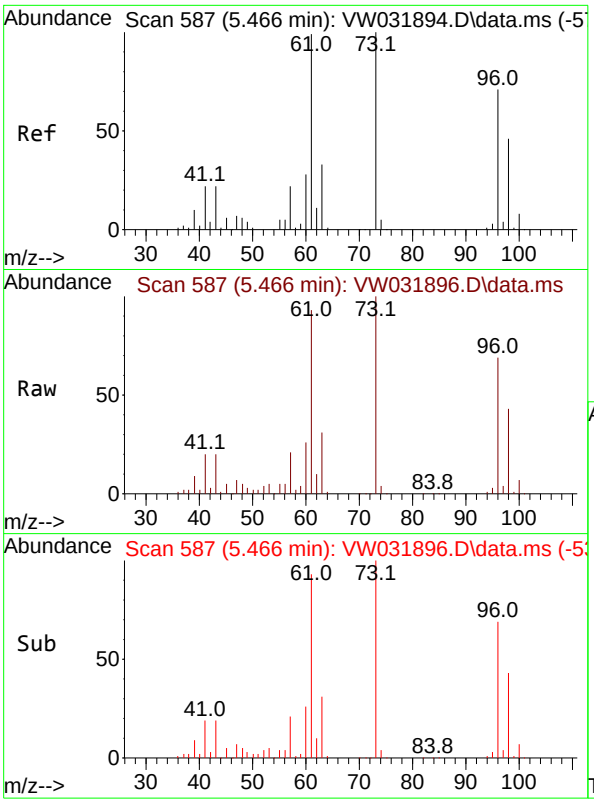


#18
Methyl Acetate
Concen: 145.961 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 318191

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	31.0





#19
Methyl tert-butyl Ether
Concen: 135.668 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

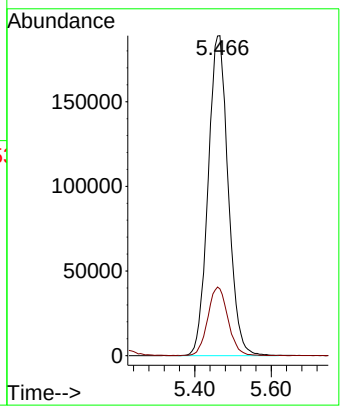
Tgt Ion: 73 Resp: 68897

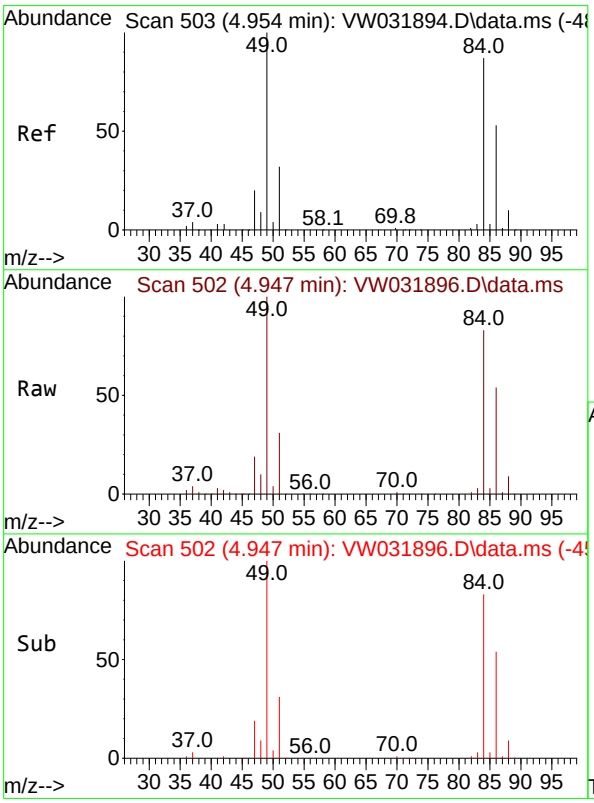
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.5	26.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

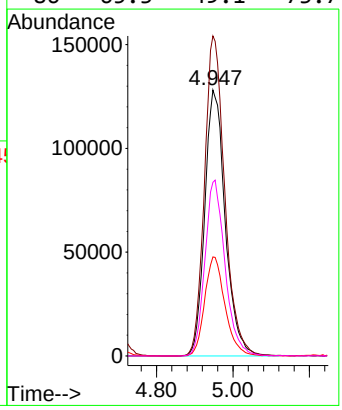


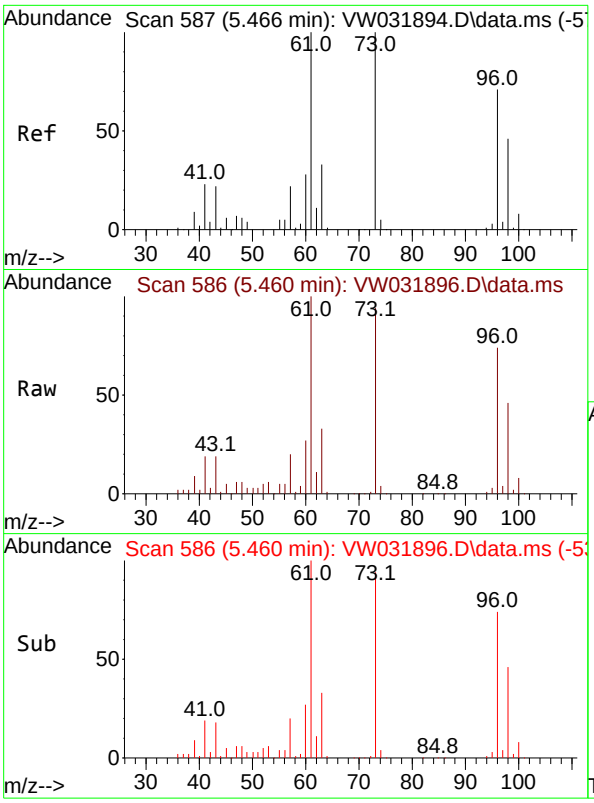


#20
Methylene Chloride
Concen: 150.364 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.007 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 84 Resp: 477228

Ion	Ratio	Lower	Upper
84	100		
49	120.3	91.9	137.9
51	37.2	29.0	43.6
86	65.3	49.1	73.7

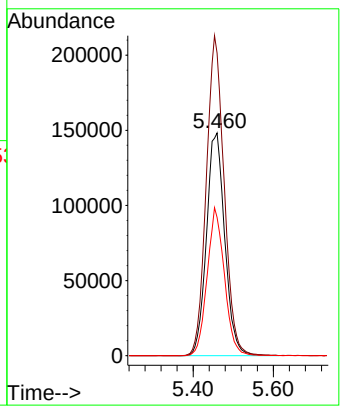




#21
trans-1,2-Dichloroethene
Concen: 150.934 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 96 Resp: 47068

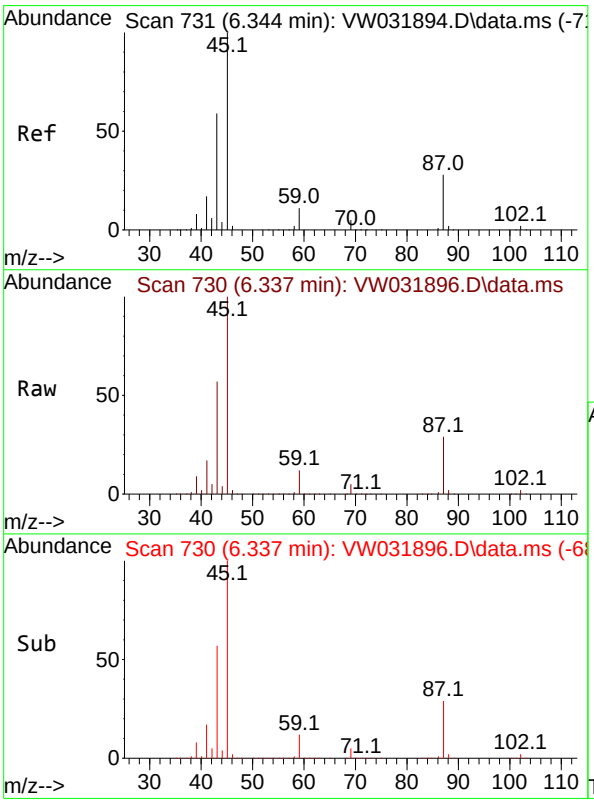
Ion	Ratio	Lower	Upper
96	100		
61	135.8	112.8	169.2
98	62.0	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

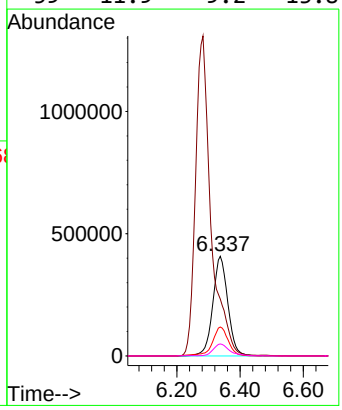
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

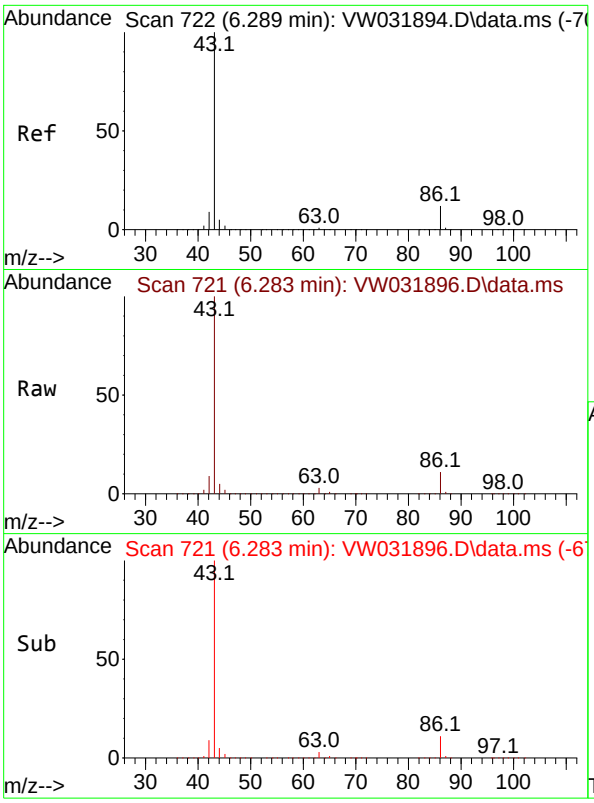


#22
Diisopropyl ether
Concen: 146.962 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 45 Resp: 1345510

Ion	Ratio	Lower	Upper
45	100		
43	57.0	47.0	70.6
87	29.0	22.8	34.2
59	11.9	9.2	13.8

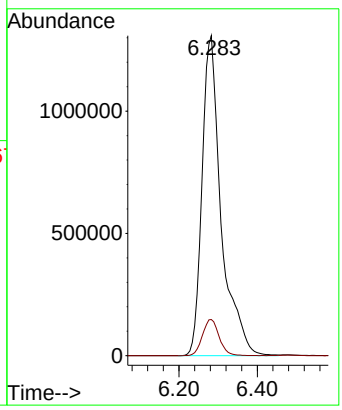




#23
Vinyl Acetate
Concen: 742.410 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 444067

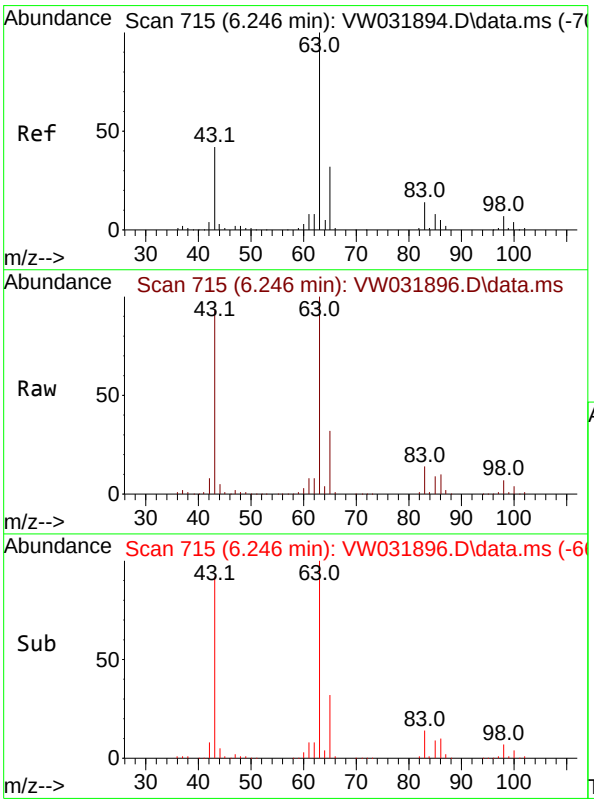
Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.4	14.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

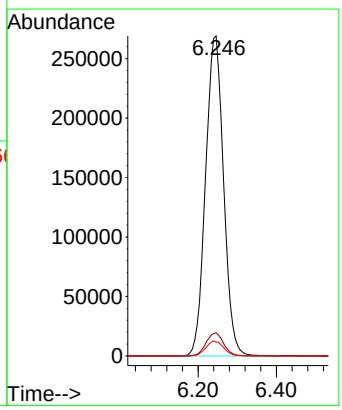
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

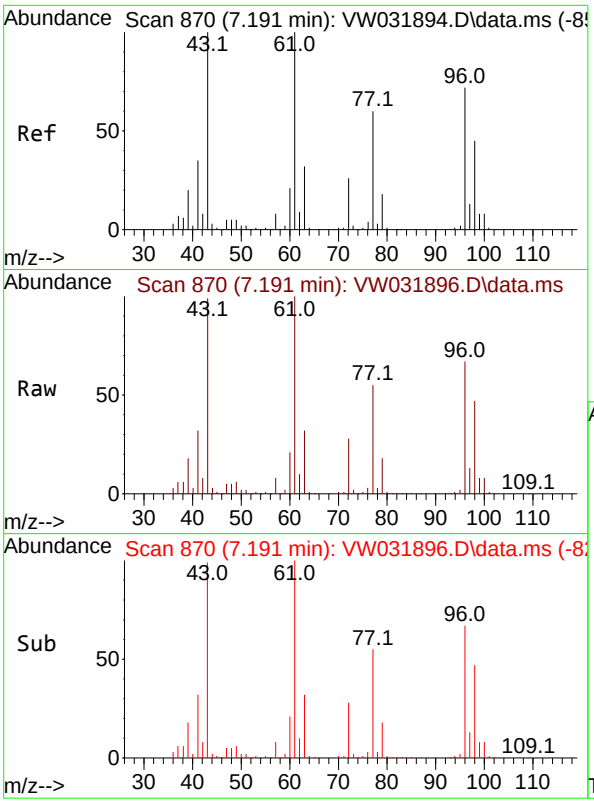


#24
1,1-Dichloroethane
Concen: 150.310 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 63 Resp: 856816

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	4.3	2.2	6.6

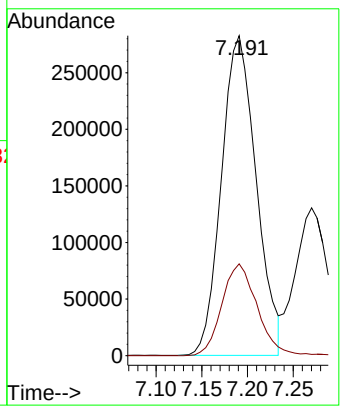




#25
2-Butanone
Concen: 691.906 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 74907

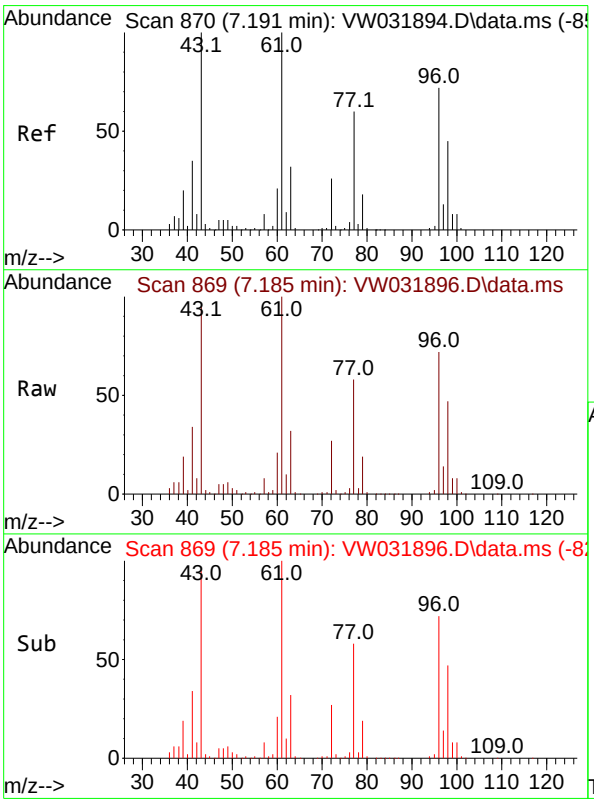
Ion	Ratio	Lower	Upper
43	100		
72	28.7	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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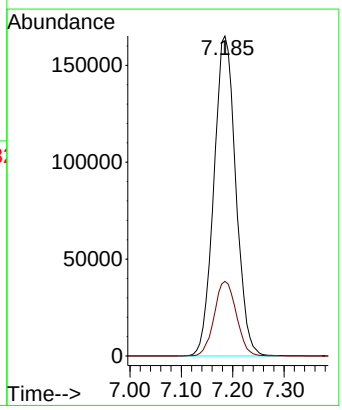
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

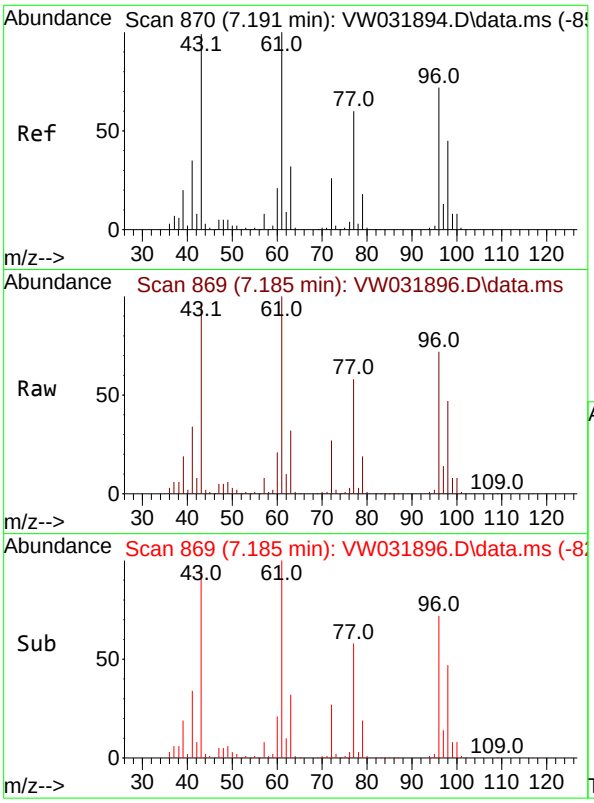


#26
2,2-Dichloropropane
Concen: 151.639 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 77 Resp: 489368

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.4	34.1

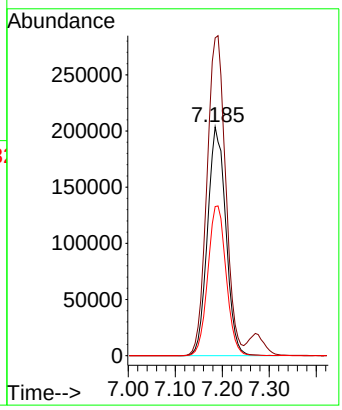




#27
cis-1,2-Dichloroethene
Concen: 149.926 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 96 Resp: 54965

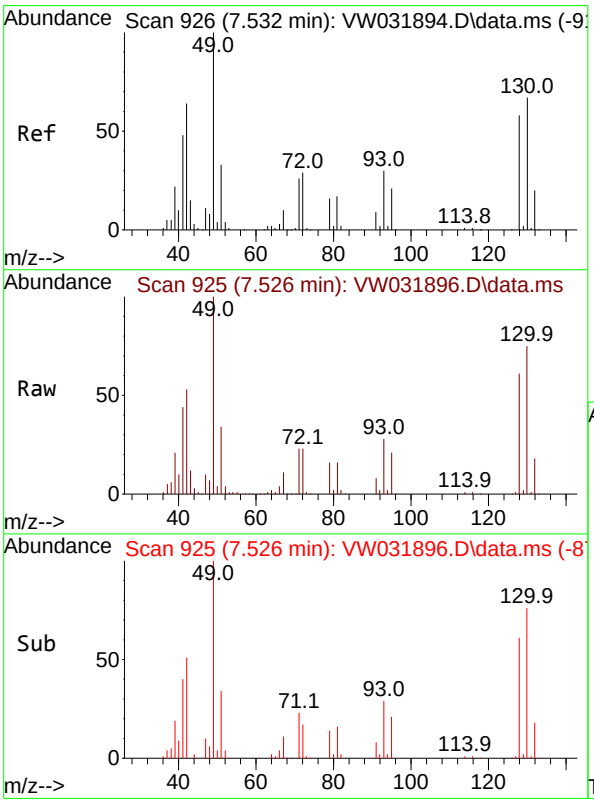
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	280.2
98	65.8	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

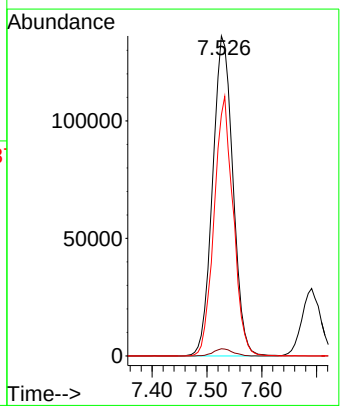
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

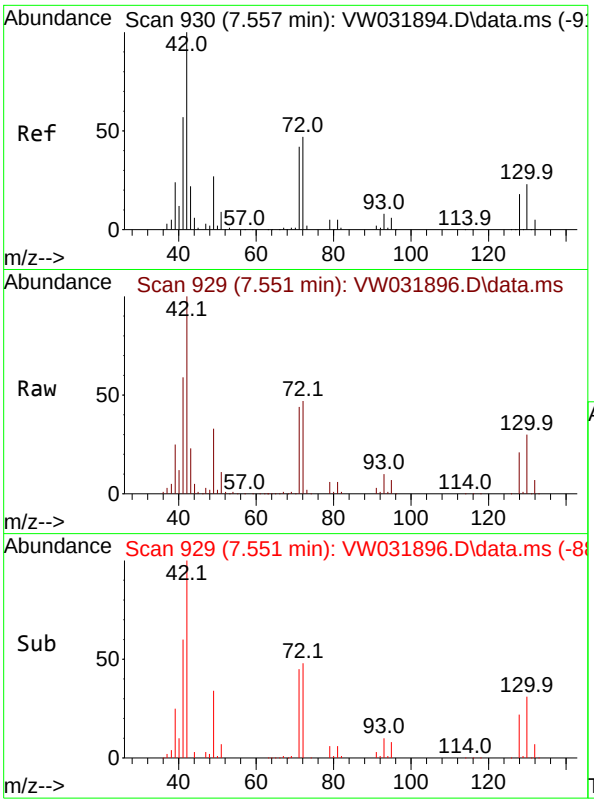


#28
Bromochloromethane
Concen: 147.009 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 49 Resp: 350866

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.2	59.0	88.4





#29
Tetrahydrofuran
Concen: 694.835 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

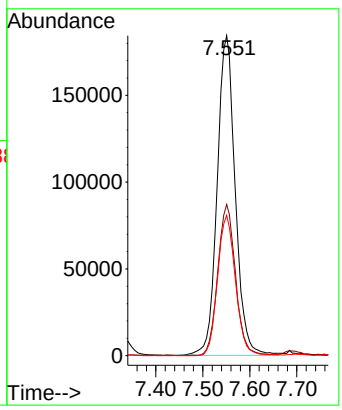
Tgt Ion: 42 Resp: 49319

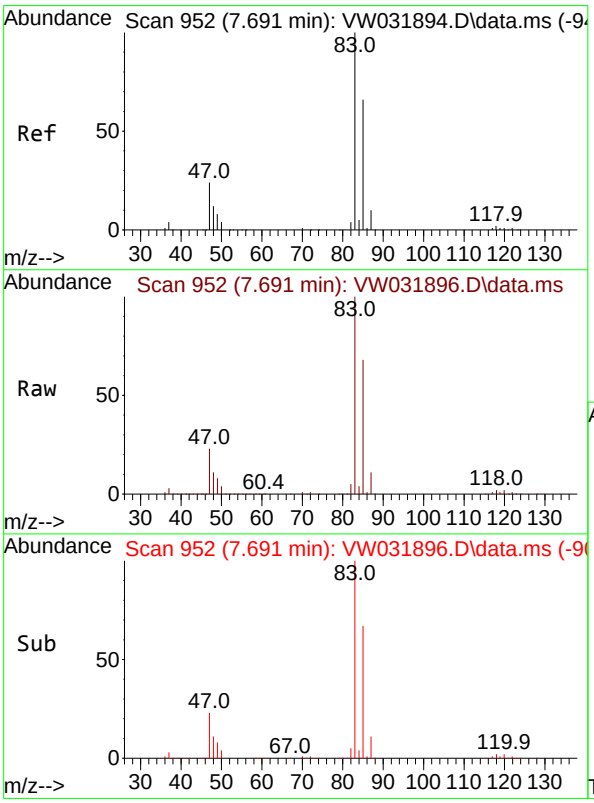
Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.6
71	43.6	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

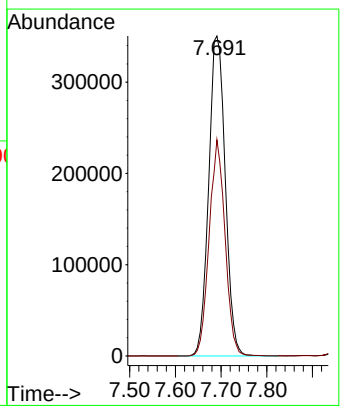


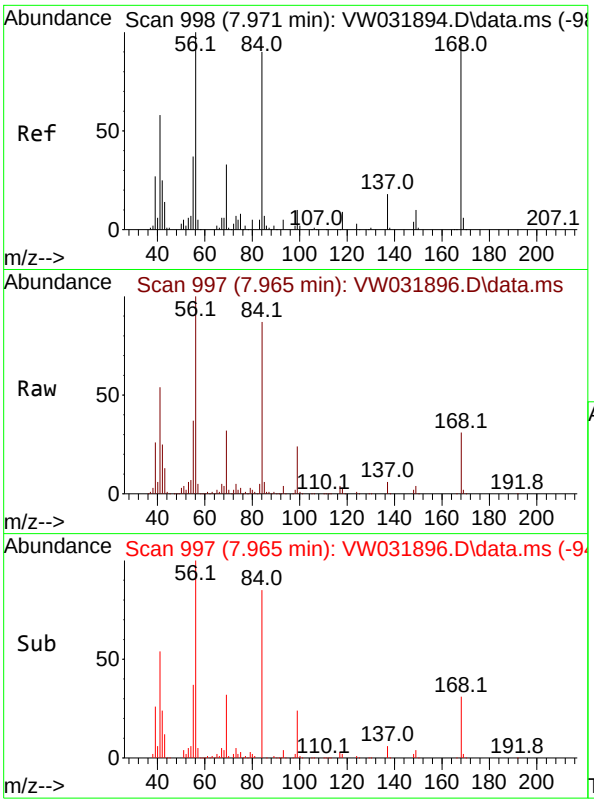


#30
Chloroform
Concen: 148.076 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 83 Resp: 885019

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.6	78.8





#31
Cyclohexane
Concen: 143.155 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

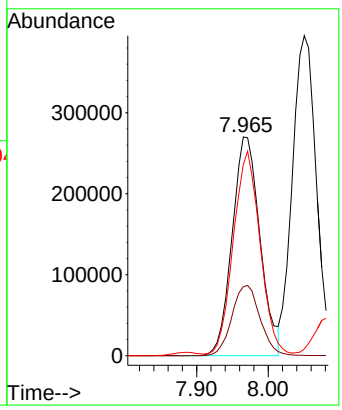
Tgt Ion: 56 Resp: 73210

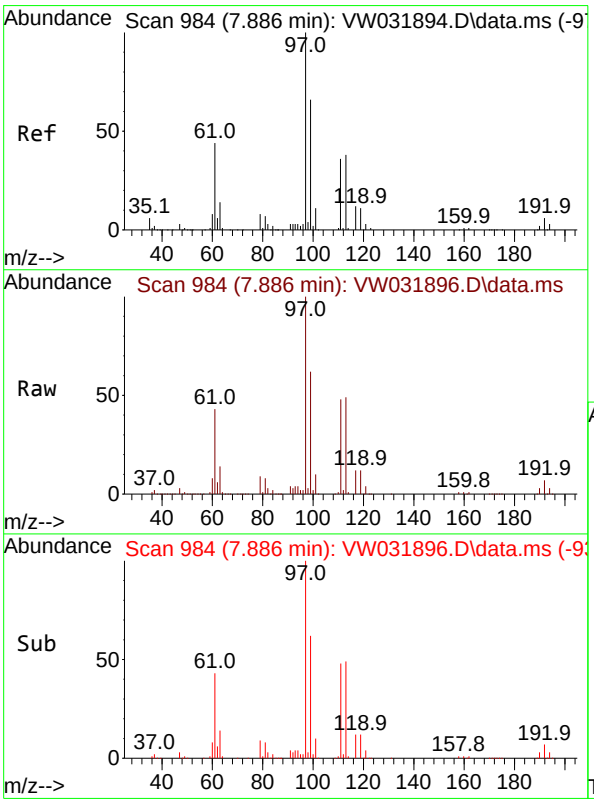
Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.7	40.1
84	86.1	71.8	107.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

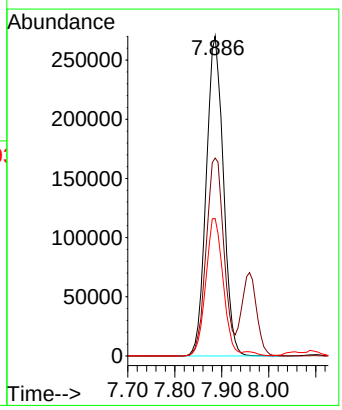


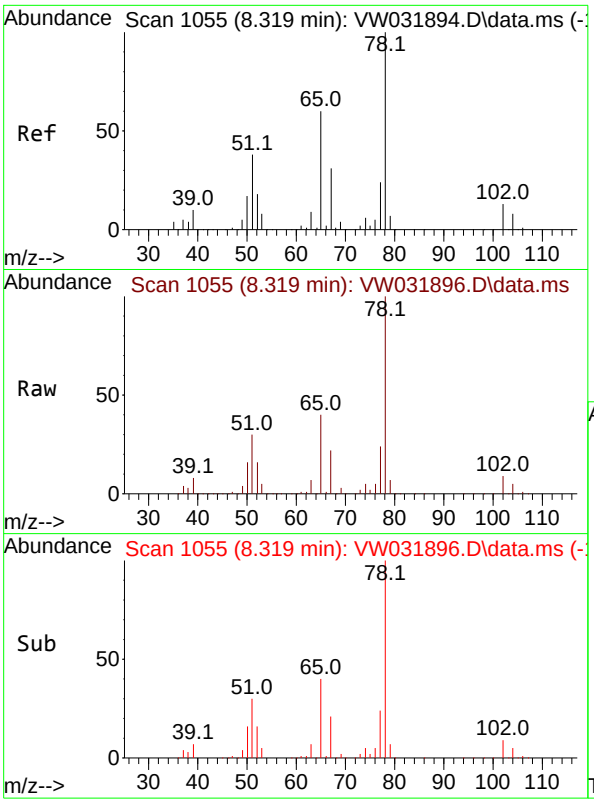


#32
1,1,1-Trichloroethane
Concen: 149.995 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 97 Resp: 682184

Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	43.6	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 136.031 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

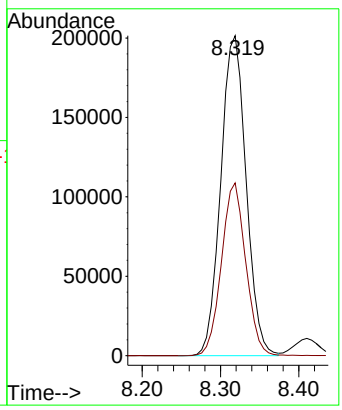
Tgt Ion: 65 Resp: 45359

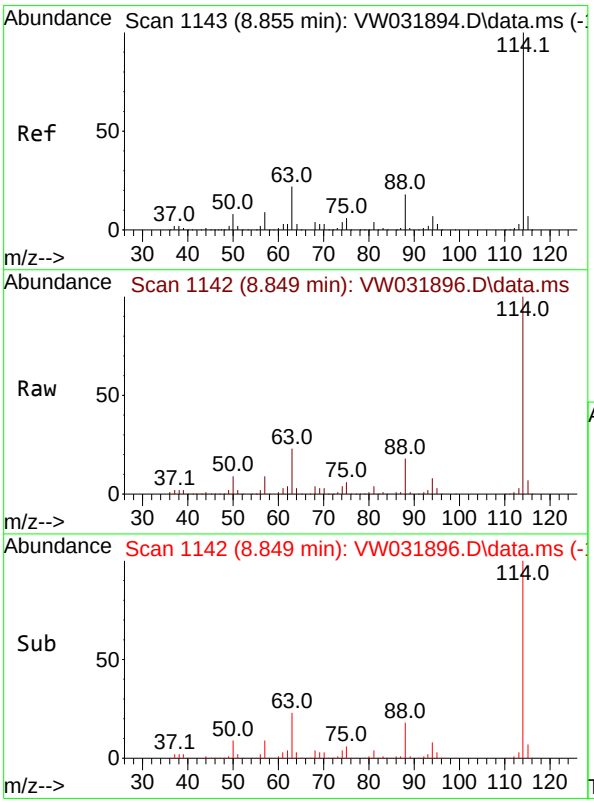
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

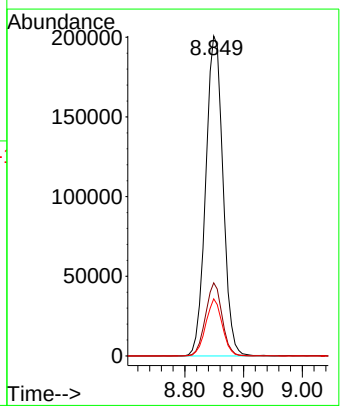


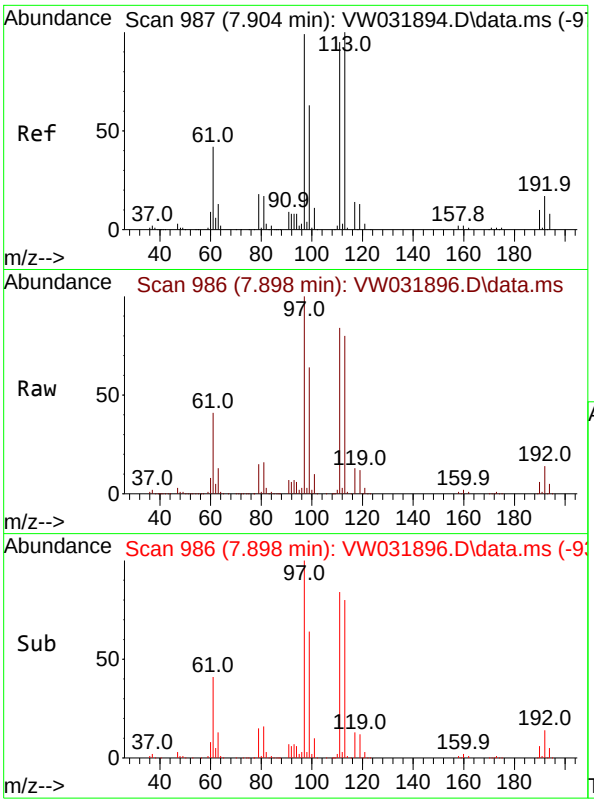


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:114 Resp: 410405

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.2
88	17.9	0.0	35.6

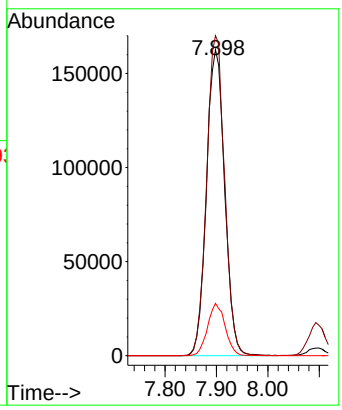




#35
Dibromofluoromethane
Concen: 143.249 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:113 Resp: 39948

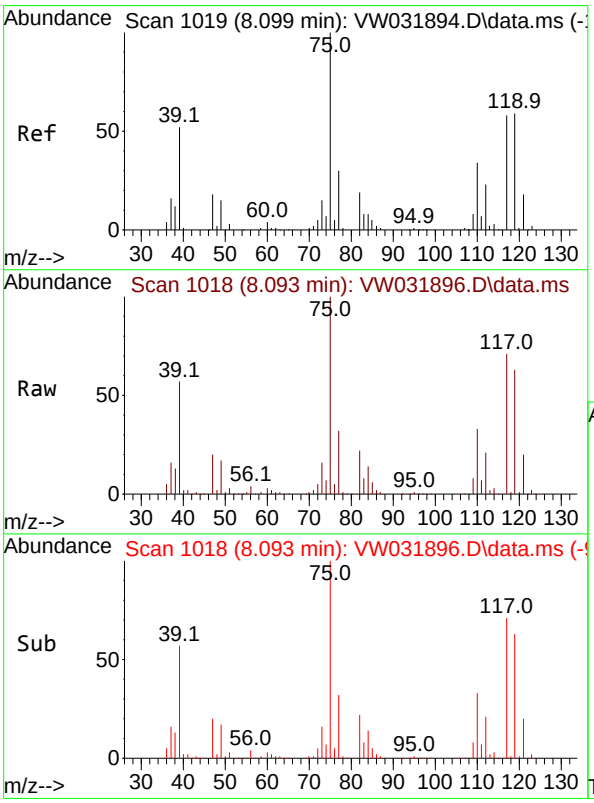
Ion	Ratio	Lower	Upper
113	100		
111	103.4	79.9	119.9
192	16.5	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

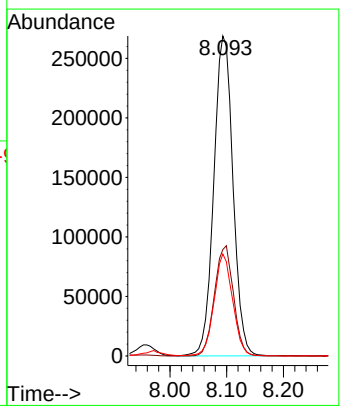
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

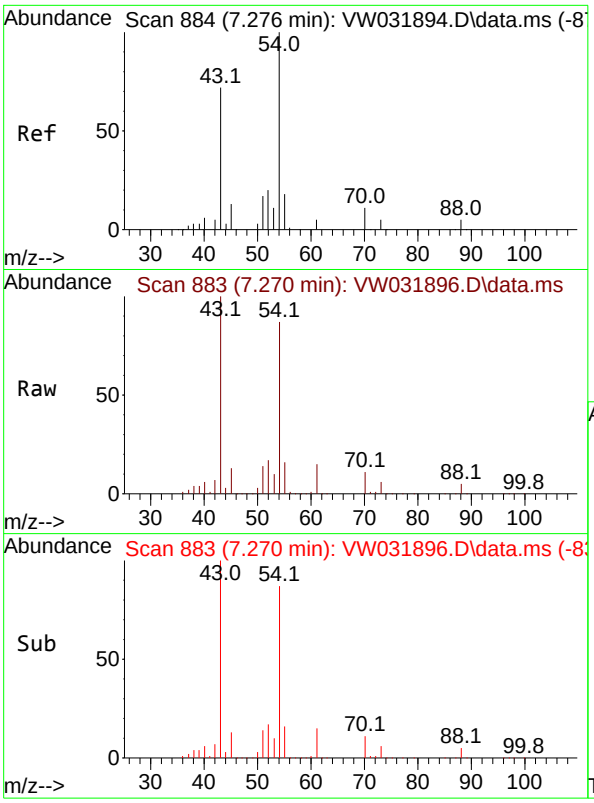


#36
1,1-Dichloropropene
Concen: 147.634 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 632279

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 140.974 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

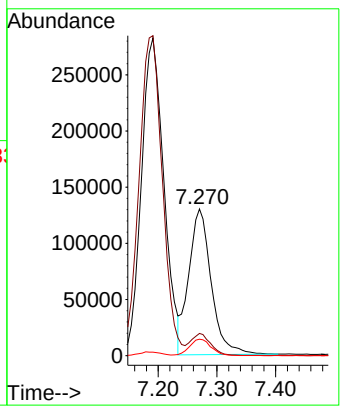
Tgt Ion: 43 Resp: 34441

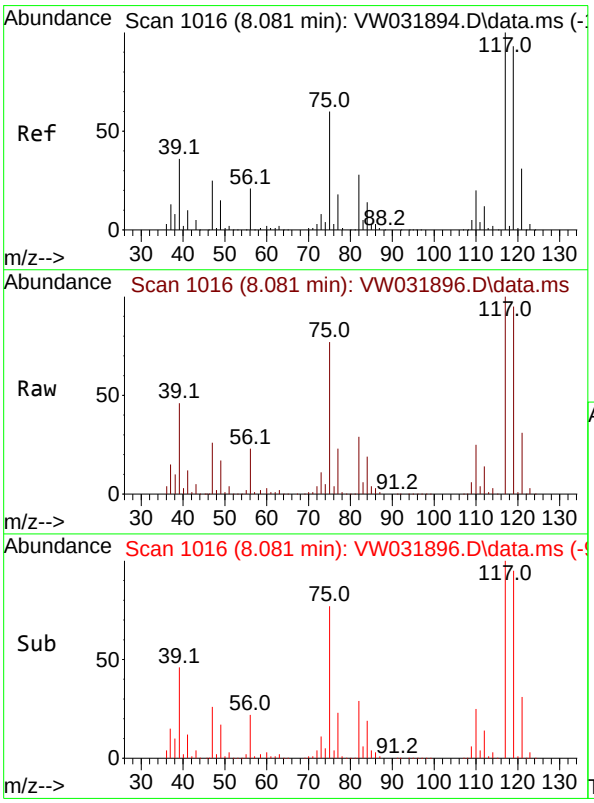
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.0	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

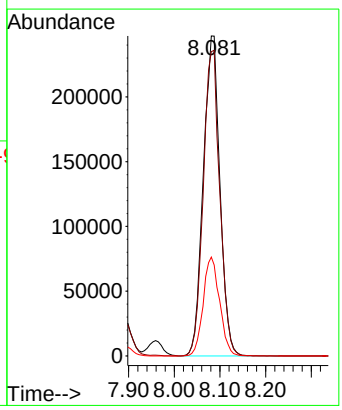


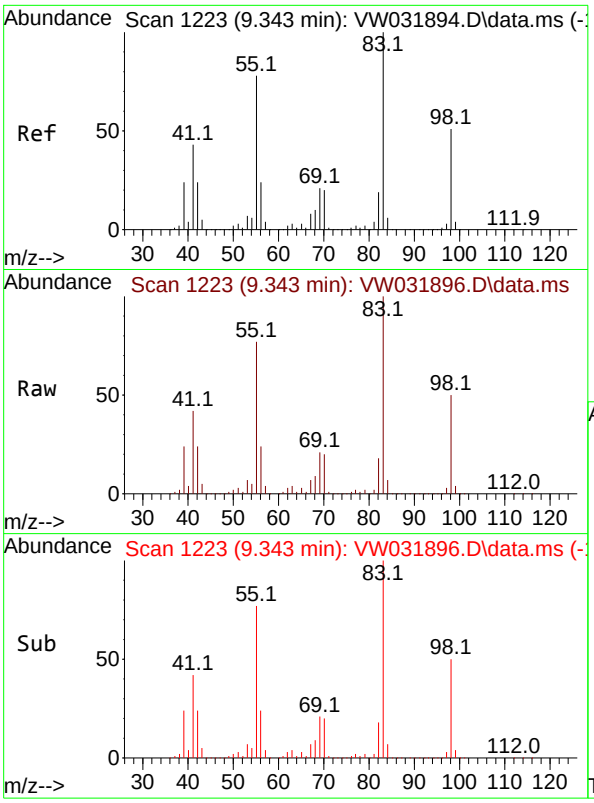


#38
Carbon Tetrachloride
Concen: 151.686 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:117 Resp: 623463

Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.3	111.5
121	30.9	24.6	37.0

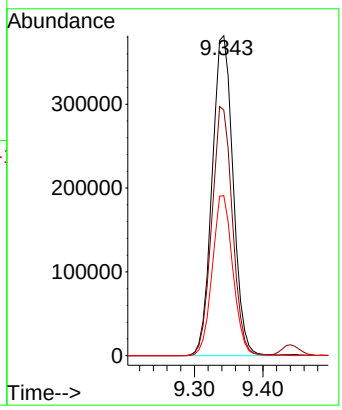




#39
Methylcyclohexane
Concen: 150.600 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 83 Resp: 81168

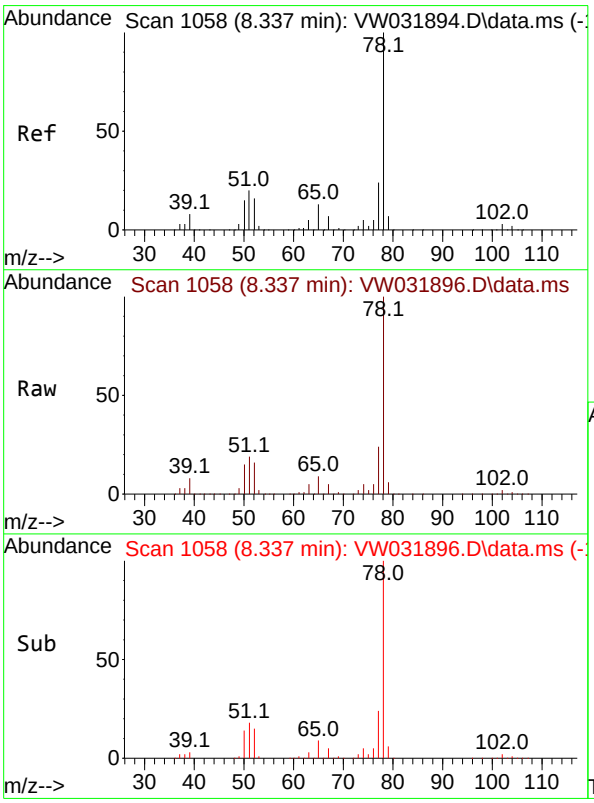
Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.5	93.7
98	50.0	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

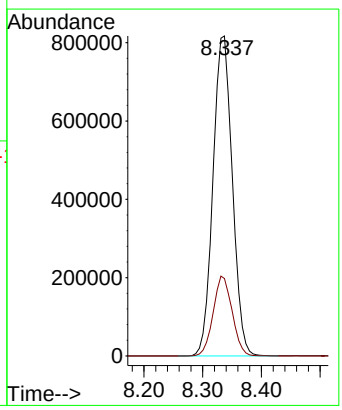
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

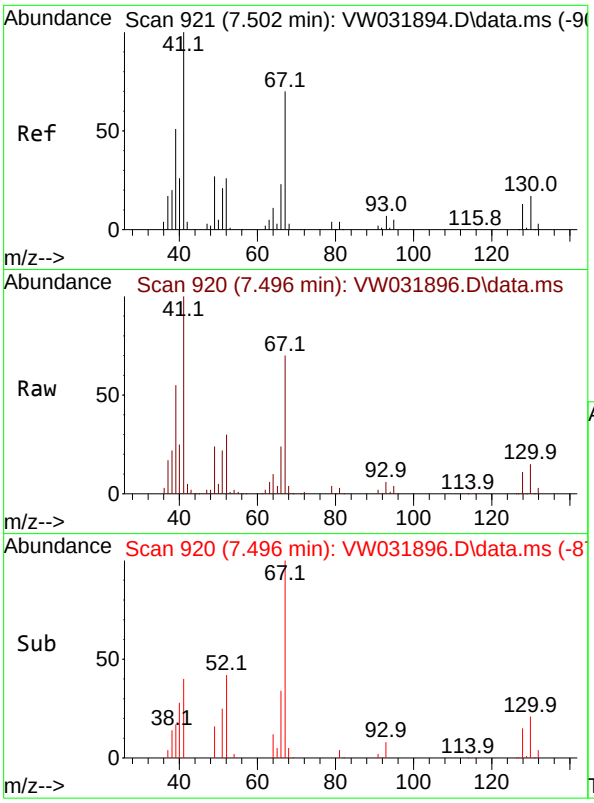


#40
Benzene
Concen: 147.317 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 78 Resp: 1867656

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

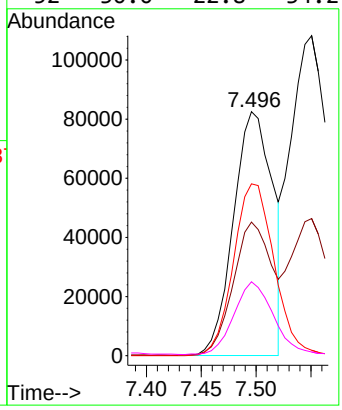




#41
Methacrylonitrile
Concen: 142.282 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 41 Resp: 20475

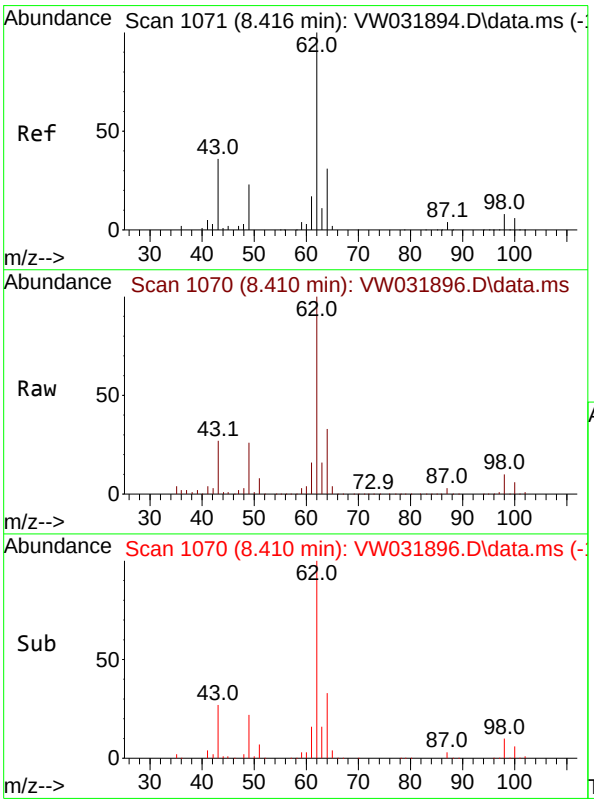
Ion	Ratio	Lower	Upper
41	100		
39	53.7	41.1	61.7
67	73.7	56.2	84.4
52	30.0	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

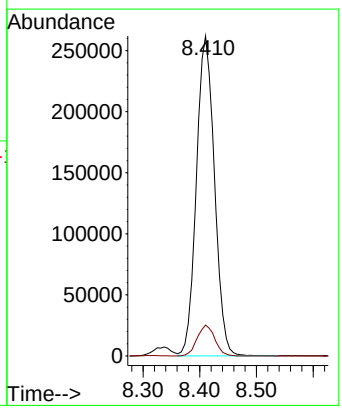
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

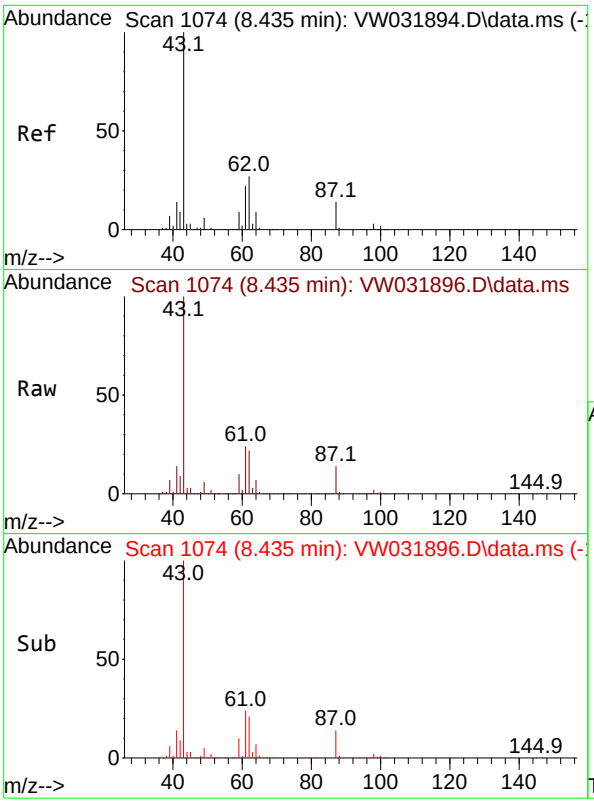


#42
1,2-Dichloroethane
Concen: 142.827 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 62 Resp: 579516

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 145.474 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

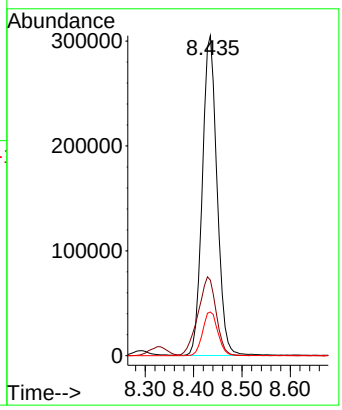
Tgt Ion: 43 Resp: 64341

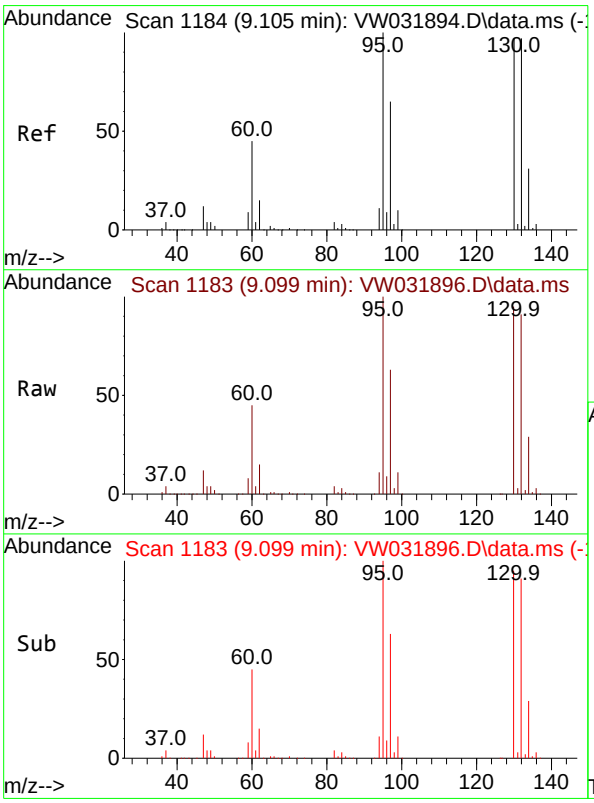
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.0	36.0
87	14.2	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

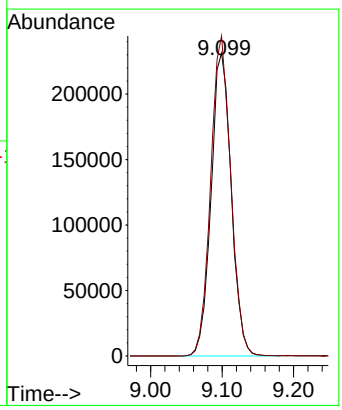


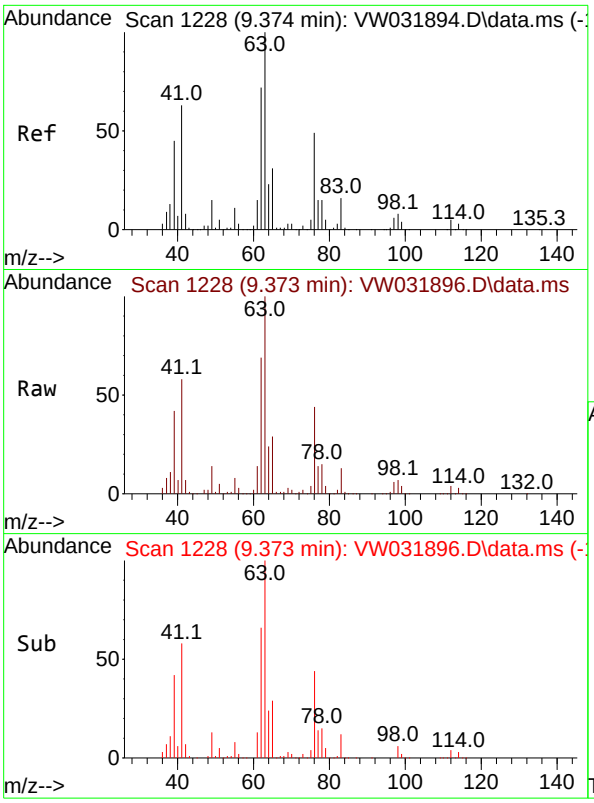


#44
Trichloroethene
Concen: 150.317 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:130 Resp: 452970

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	206.4





#45
1,2-Dichloropropane
Concen: 149.396 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

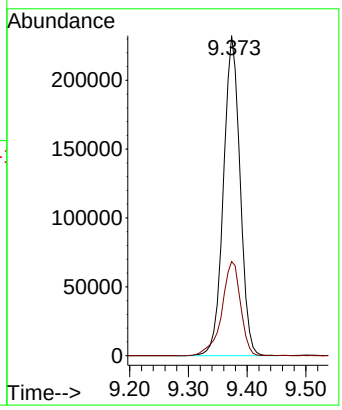
Tgt Ion: 63 Resp: 45614

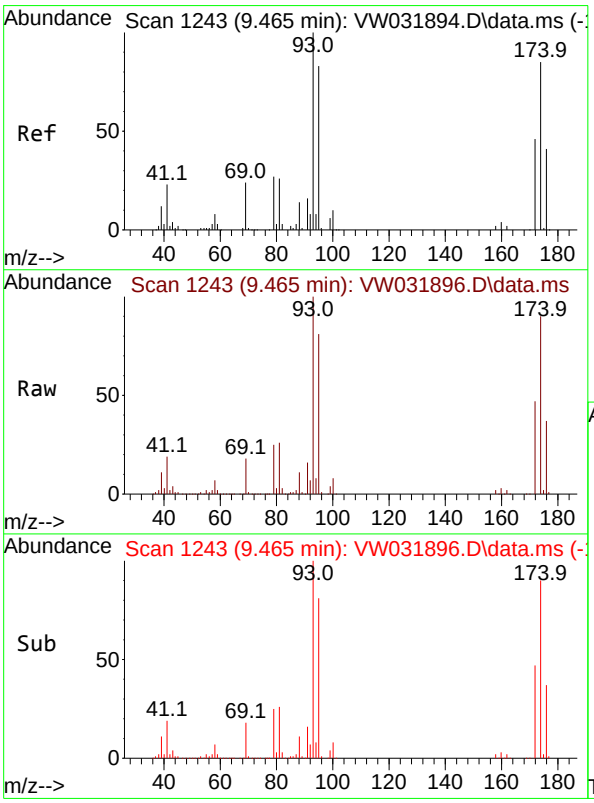
Ion	Ratio	Lower	Upper
63	100		
65	29.4	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

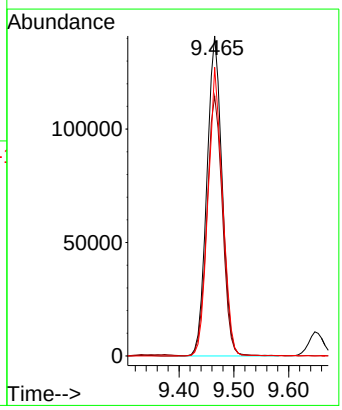


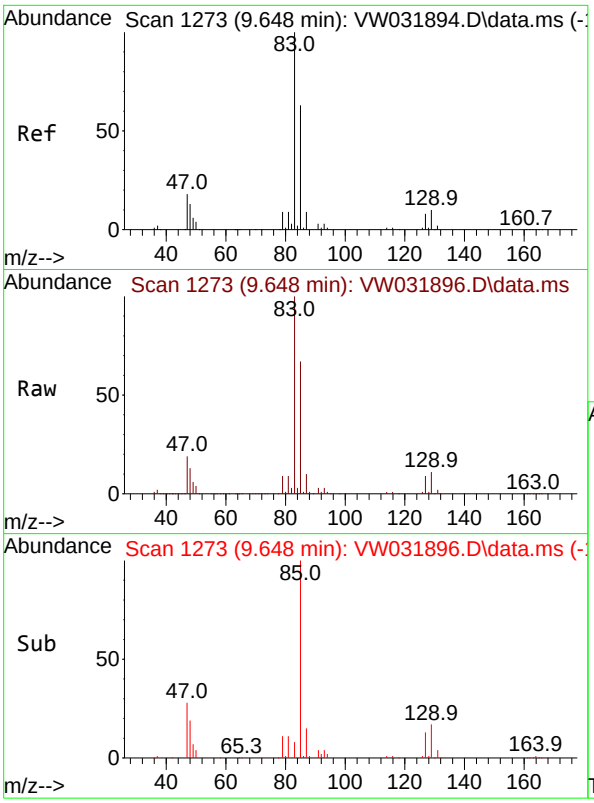


#46
Dibromomethane
Concen: 143.854 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 93 Resp: 272269

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.6
174	86.0	70.2	105.2

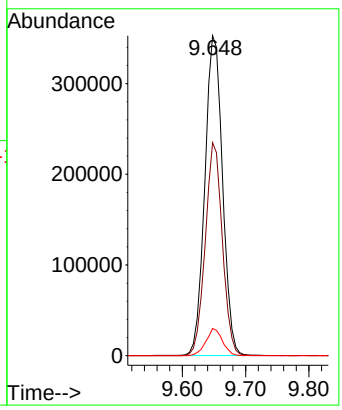




#47
Bromodichloromethane
Concen: 151.120 ug/l
RT: 9.648 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 83 Resp: 68585

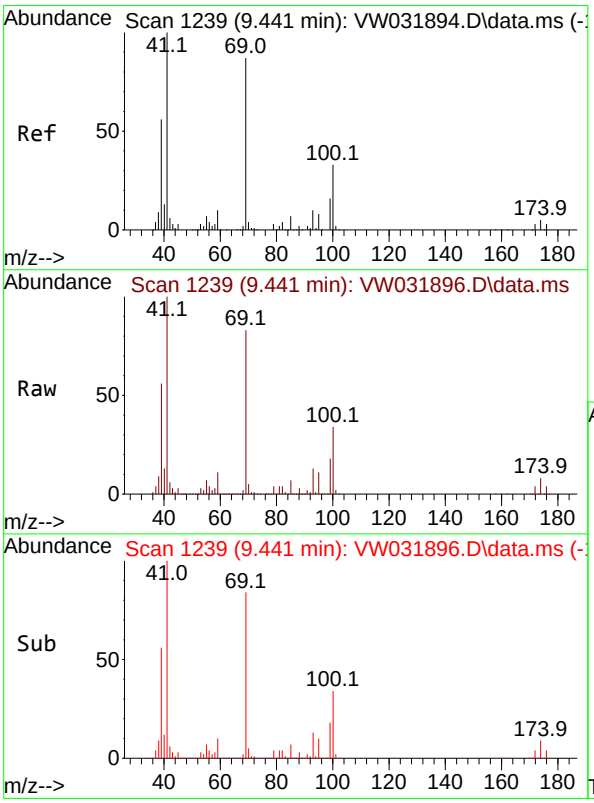
Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.6	76.0
127	8.5	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

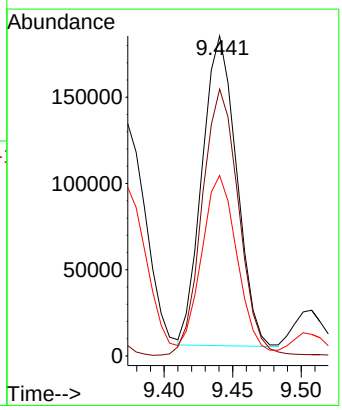
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

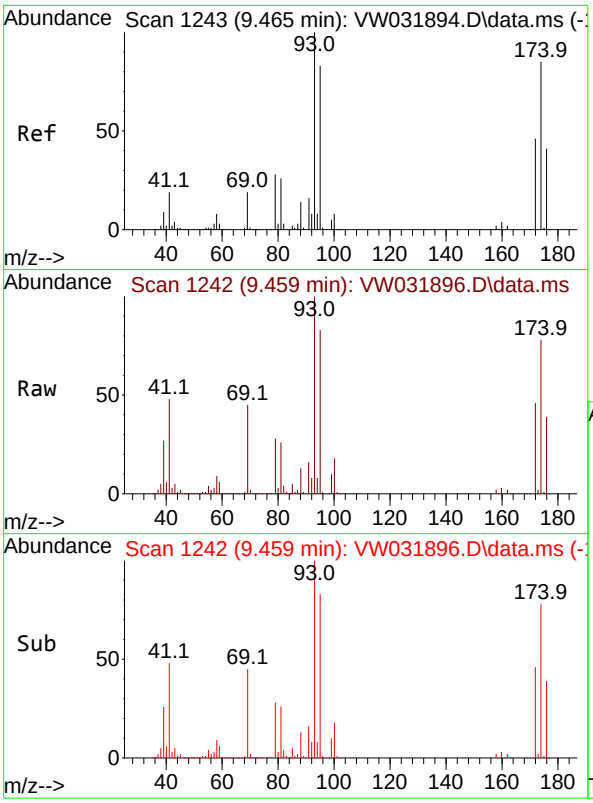


#48
Methyl methacrylate
Concen: 149.293 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 41 Resp: 314142

Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.6	110.4
39	56.3	45.5	68.3

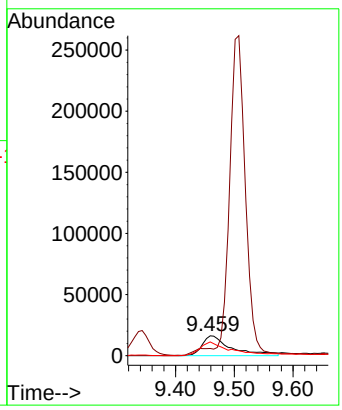




#49
1,4-Dioxane
Concen: 2983.527 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 88 Resp: 5634

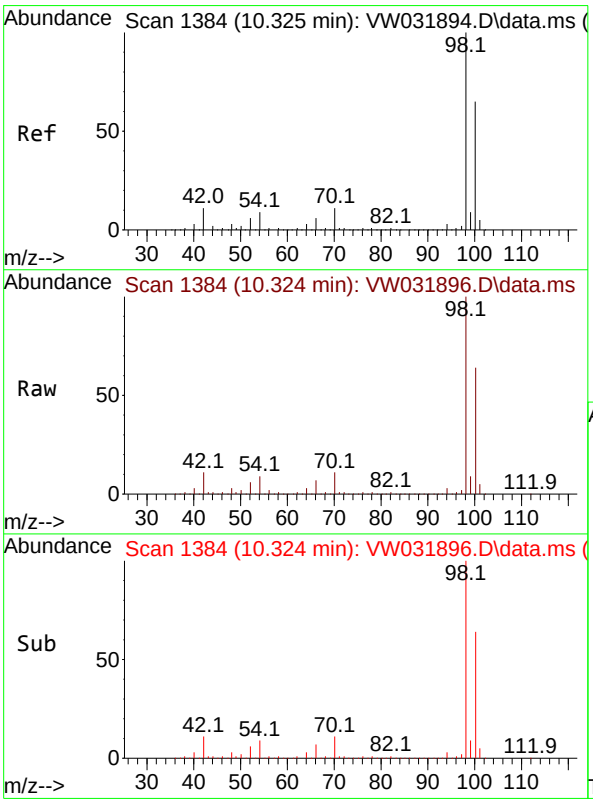
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	78.6	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

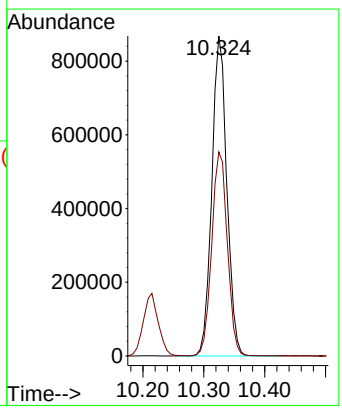
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

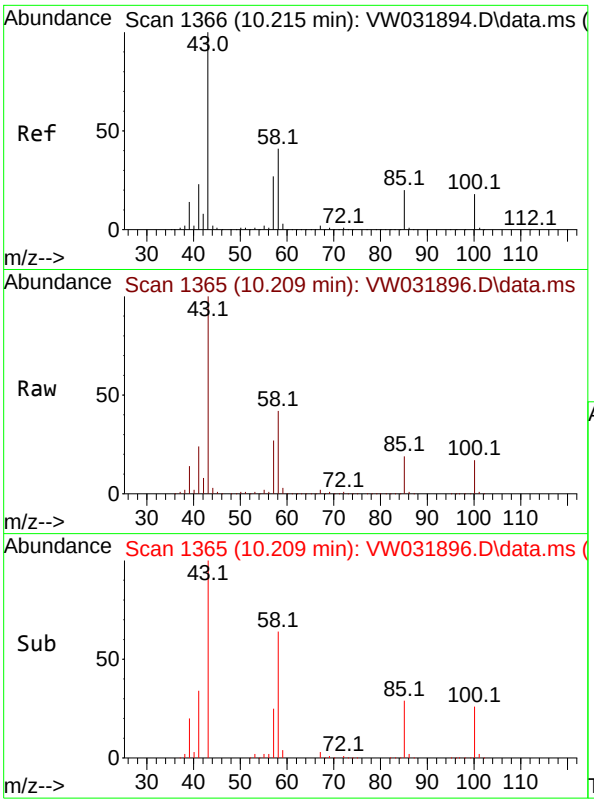


#50
Toluene-d8
Concen: 140.469 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 98 Resp: 1482591

Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 695.441 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

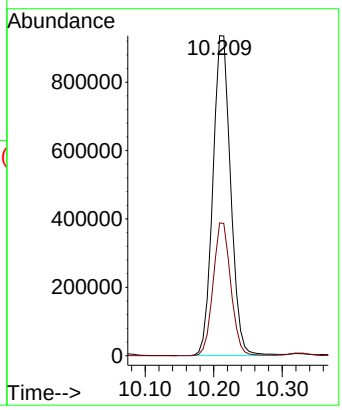
Tgt Ion: 43 Resp: 168332

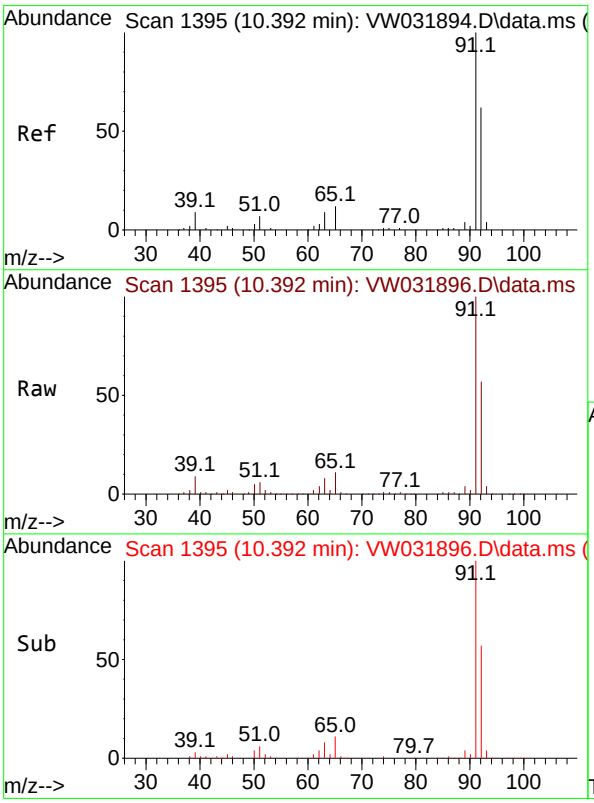
Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

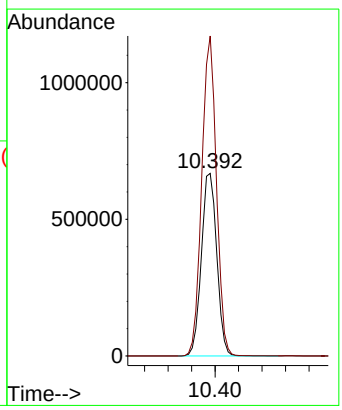


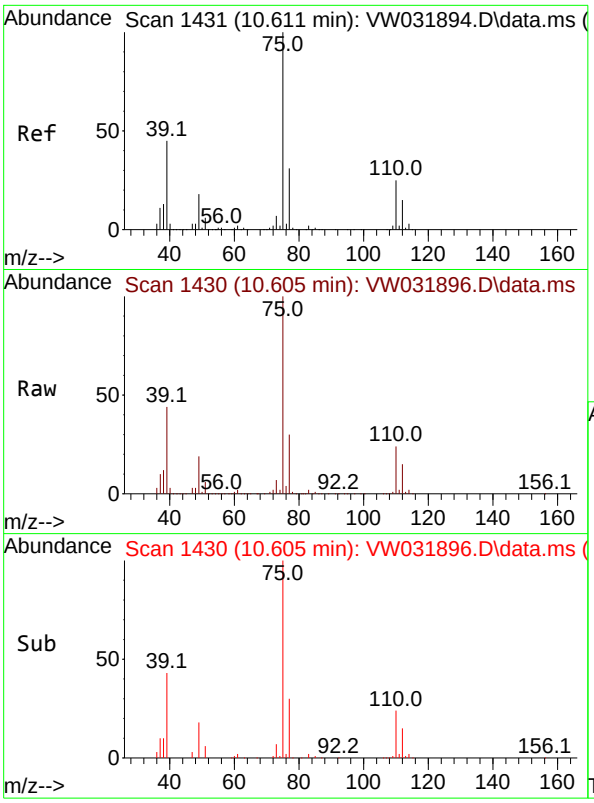


#52
Toluene
Concen: 148.962 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 92 Resp: 1214012

Ion	Ratio	Lower	Upper
92	100		
91	167.4	133.7	200.5

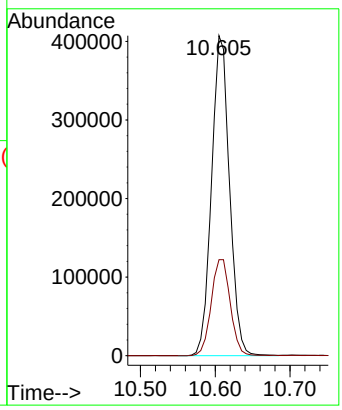




#53
t-1,3-Dichloropropene
Concen: 156.179 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 67993

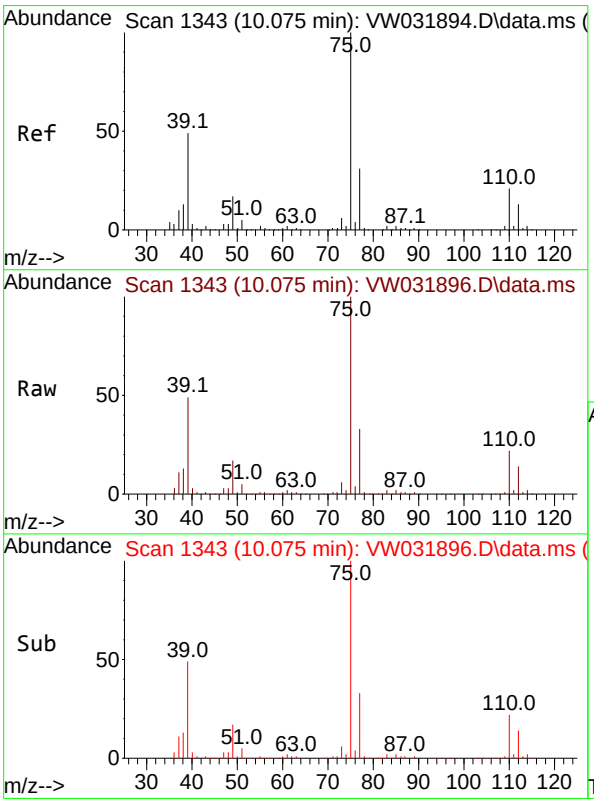
Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

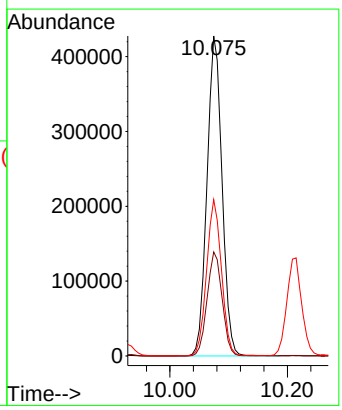
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

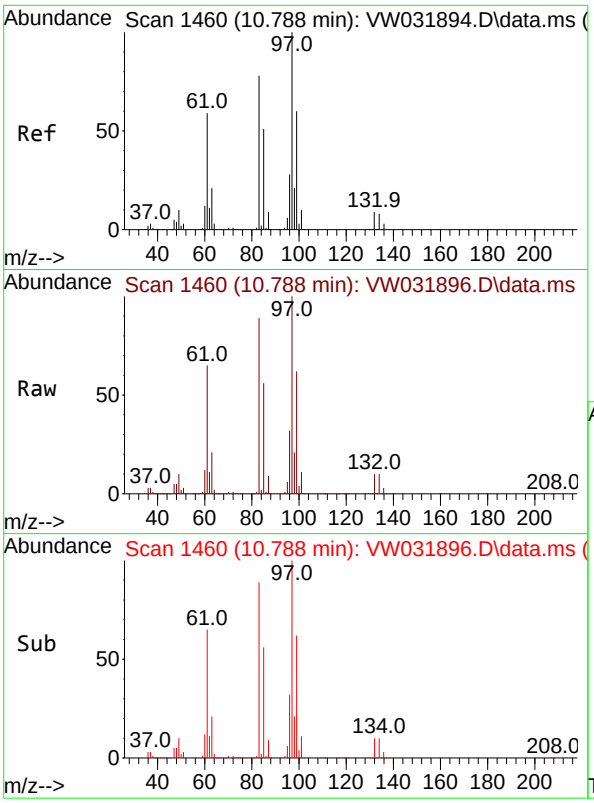


#54
cis-1,3-Dichloropropene
Concen: 152.840 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 759882

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7
39	48.8	39.3	58.9

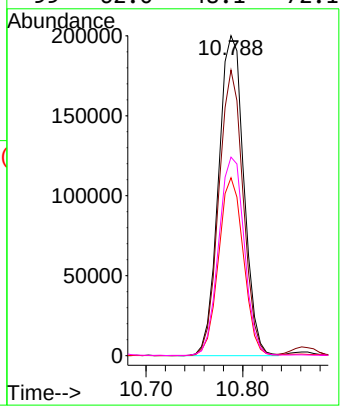




#55
1,1,2-Trichloroethane
Concen: 144.405 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 97 Resp: 36304

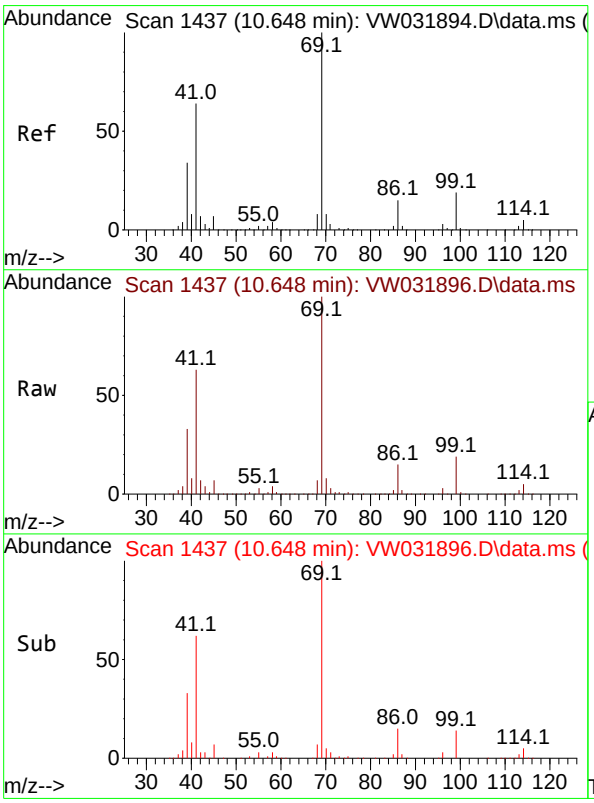
Ion	Ratio	Lower	Upper
97	100		
83	89.2	62.4	93.6
85	55.5	41.0	61.6
99	62.0	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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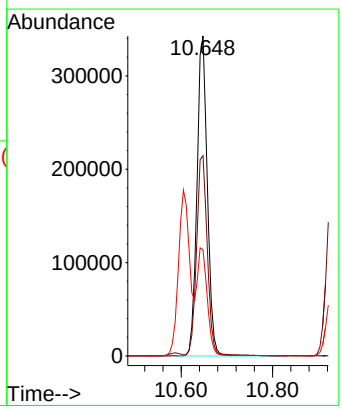
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

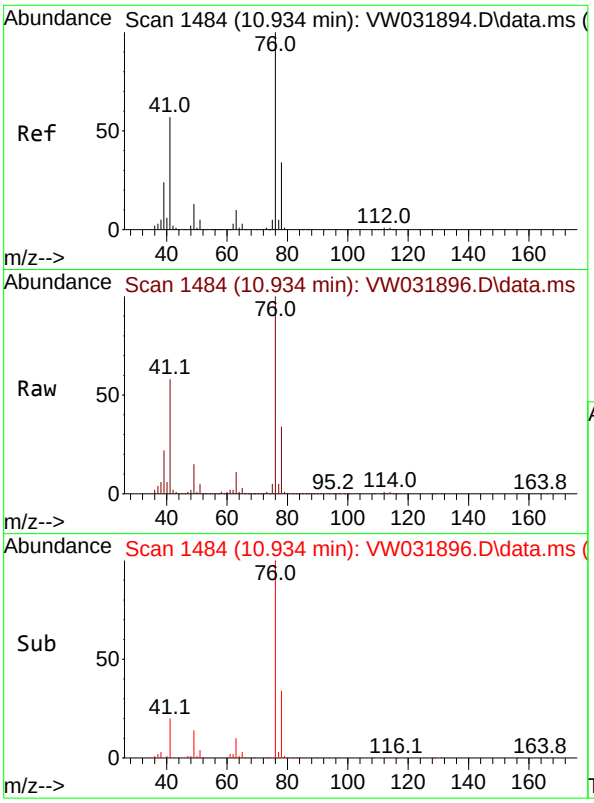


#56
Ethyl methacrylate
Concen: 152.123 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 69 Resp: 540138

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.0	78.0
39	31.7	26.6	40.0





#57
1,3-Dichloropropane
Concen: 142.707 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

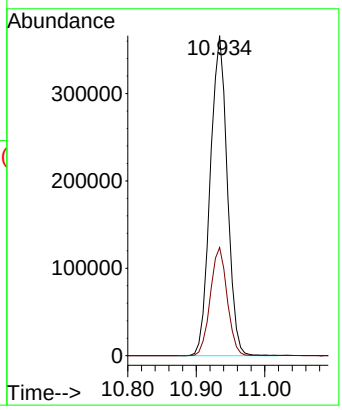
Tgt Ion: 76 Resp: 63206

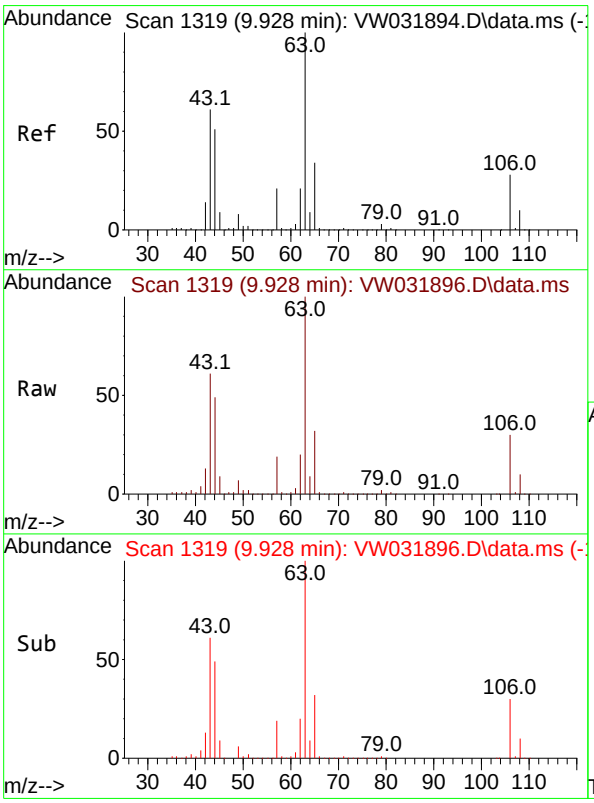
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

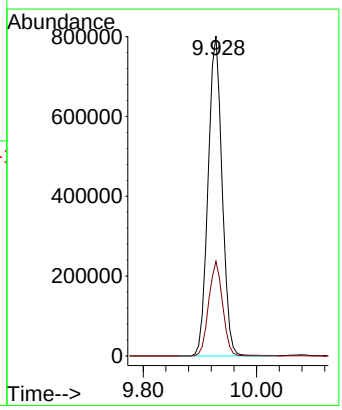


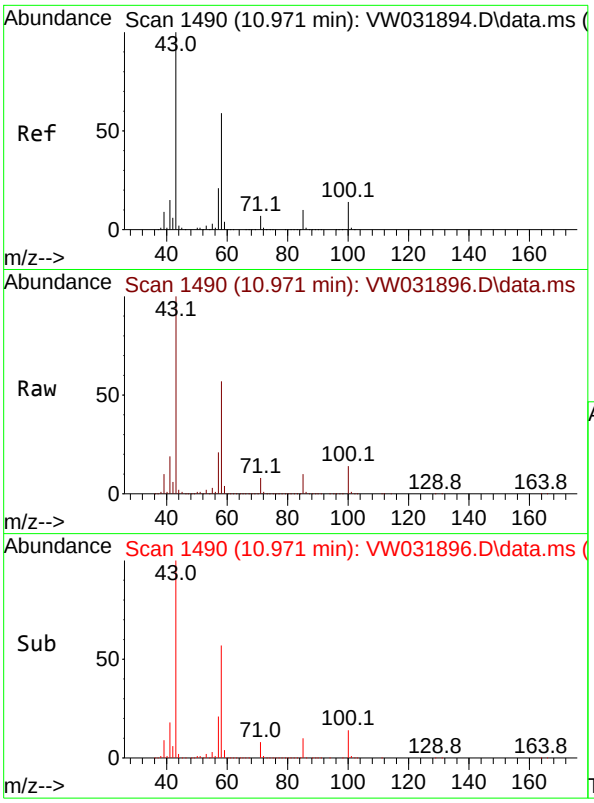


#58
2-Chloroethyl Vinyl ether
Concen: 754.091 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 63 Resp: 1375316

Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.7	34.1





#59
2-Hexanone
Concen: 693.111 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

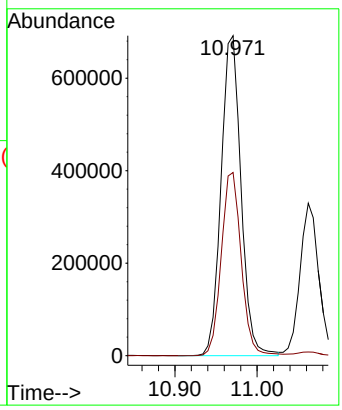
Tgt Ion: 43 Resp: 116615

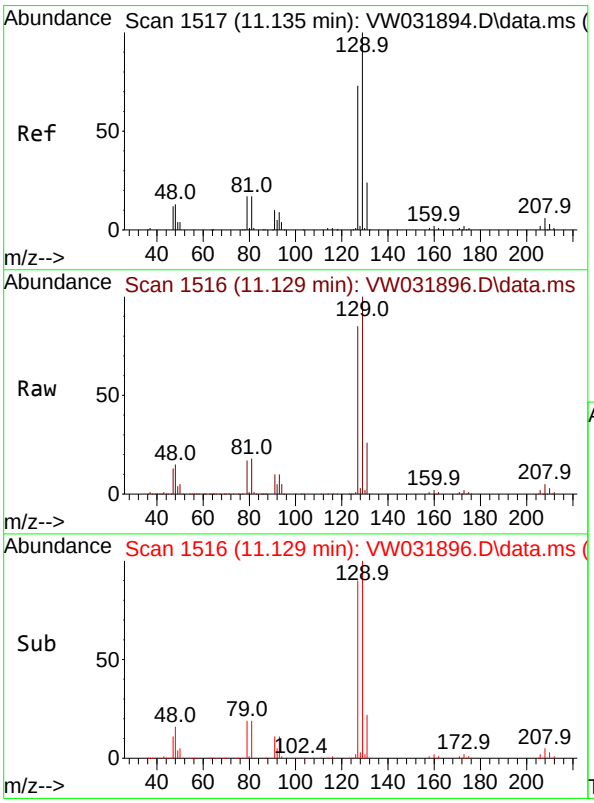
Ion	Ratio	Lower	Upper
43	100		
58	57.4	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

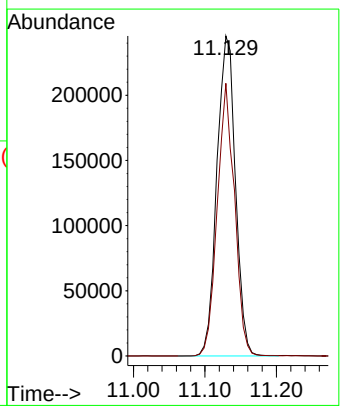


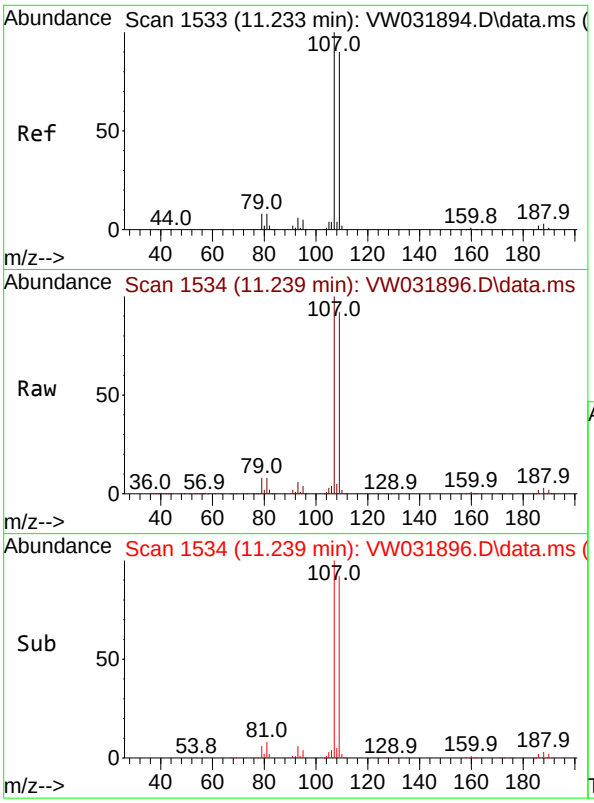


#60
Dibromochloromethane
Concen: 150.890 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:129 Resp: 442293

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.6	118.8

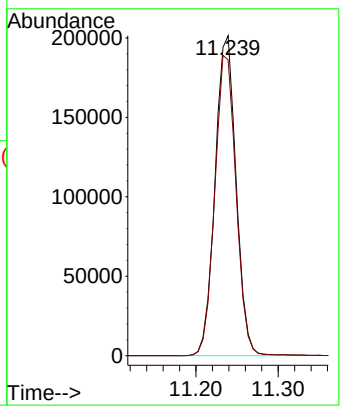




#61
1,2-Dibromoethane
Concen: 143.785 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:107 Resp: 35719

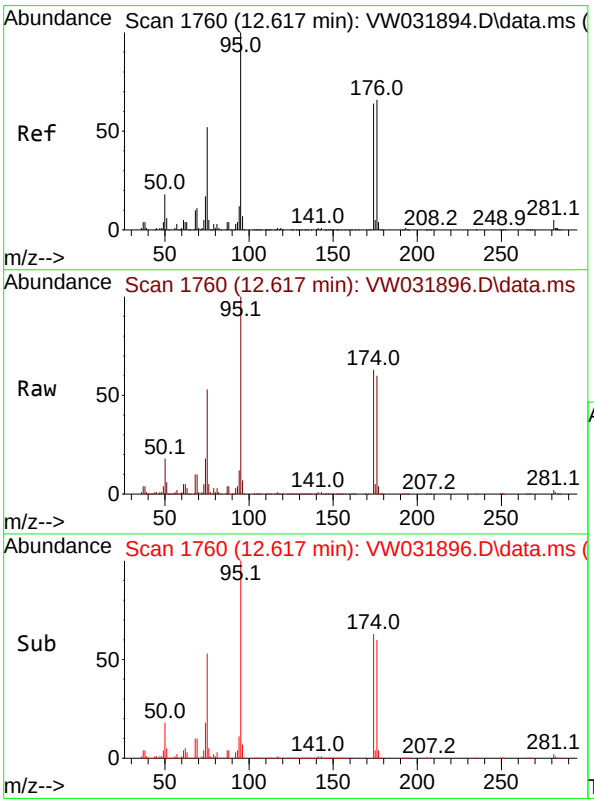
Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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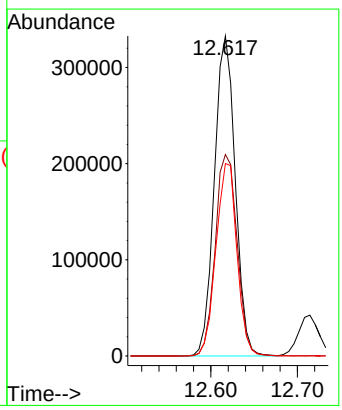
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

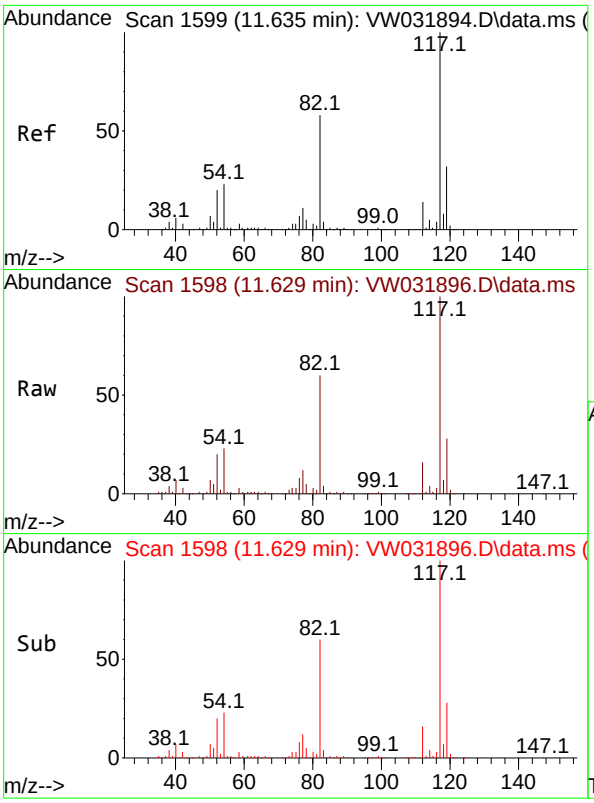


#62
4-Bromofluorobenzene
Concen: 137.437 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 95 Resp: 556999

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	129.8
176	60.6	0.0	130.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

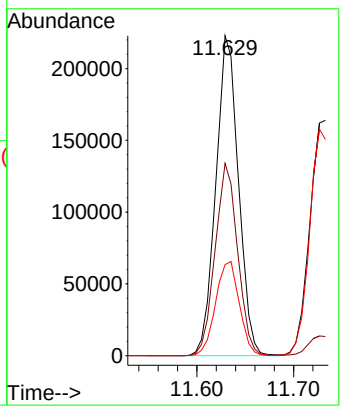
Tgt Ion:117 Resp: 36183

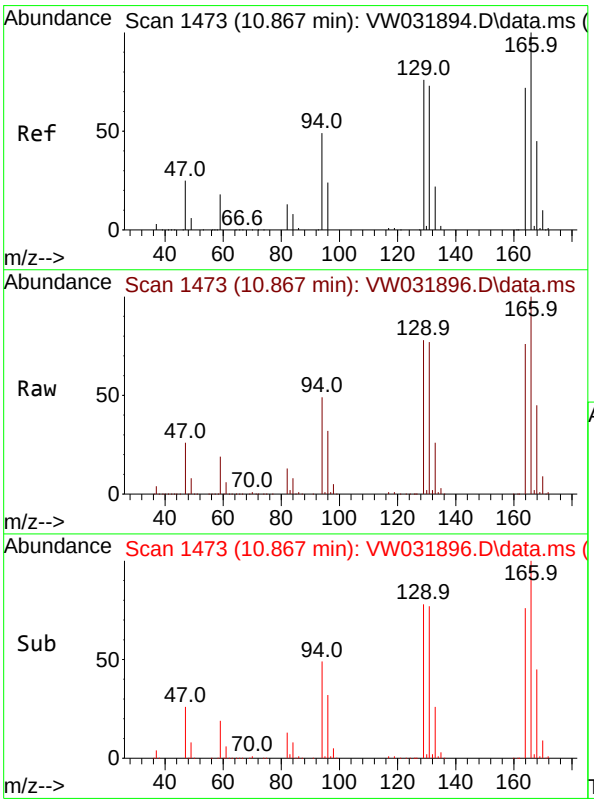
Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.5	69.7
119	28.5	25.8	38.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

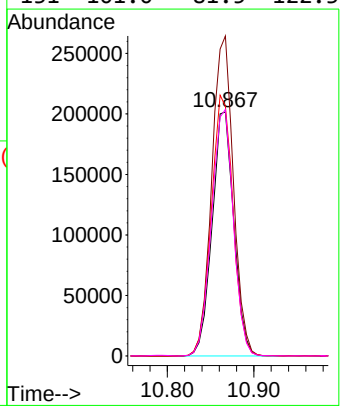


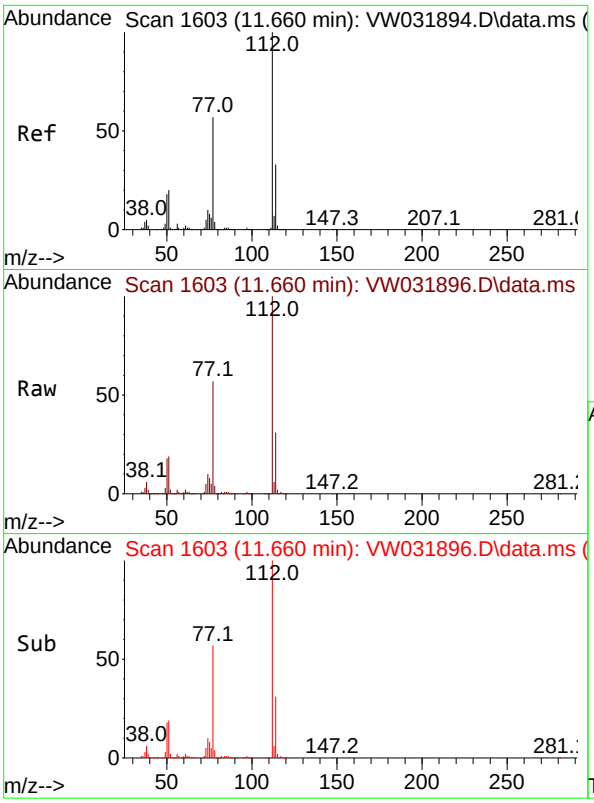


#64
Tetrachloroethene
Concen: 146.849 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:164 Resp: 350332

Ion	Ratio	Lower	Upper
164	100		
166	131.1	111.5	167.3
129	102.3	85.1	127.7
131	101.0	81.5	122.3

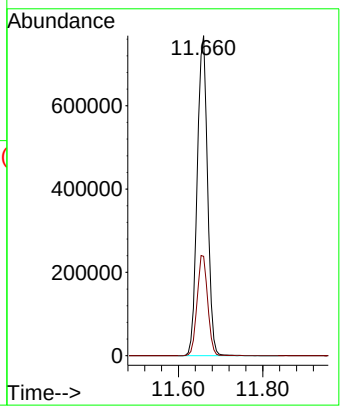




#65
Chlorobenzene
Concen: 147.719 ug/l
RT: 11.660 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:112 Resp: 130816

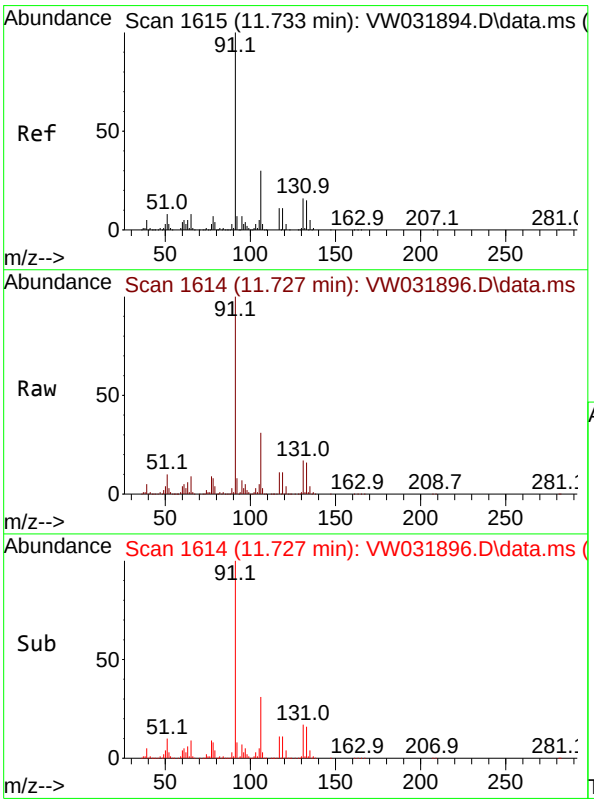
Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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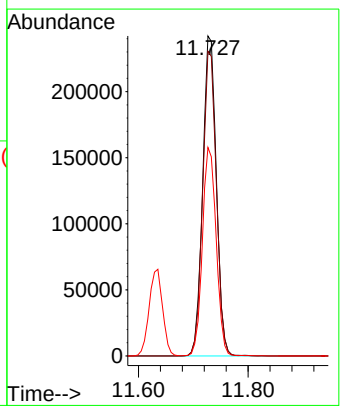
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

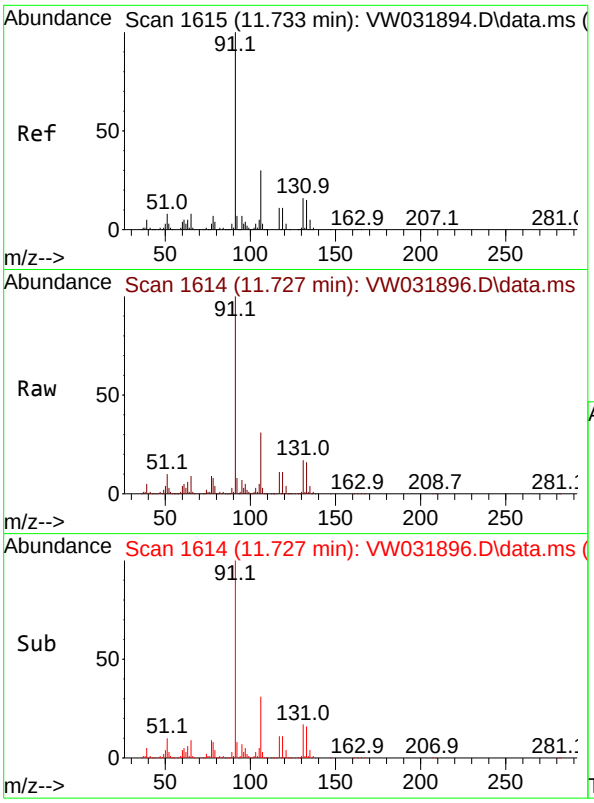


#66
1,1,1,2-Tetrachloroethane
Concen: 151.507 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:131 Resp: 415946

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.4
119	66.2	33.7	101.1





#67
Ethyl Benzene
Concen: 149.072 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

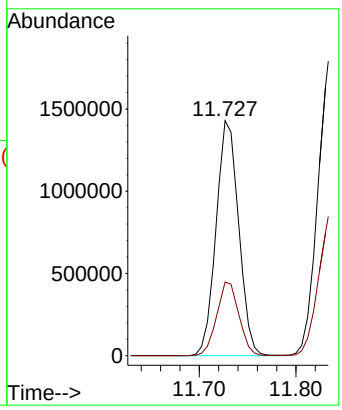
Tgt Ion: 91 Resp: 231951

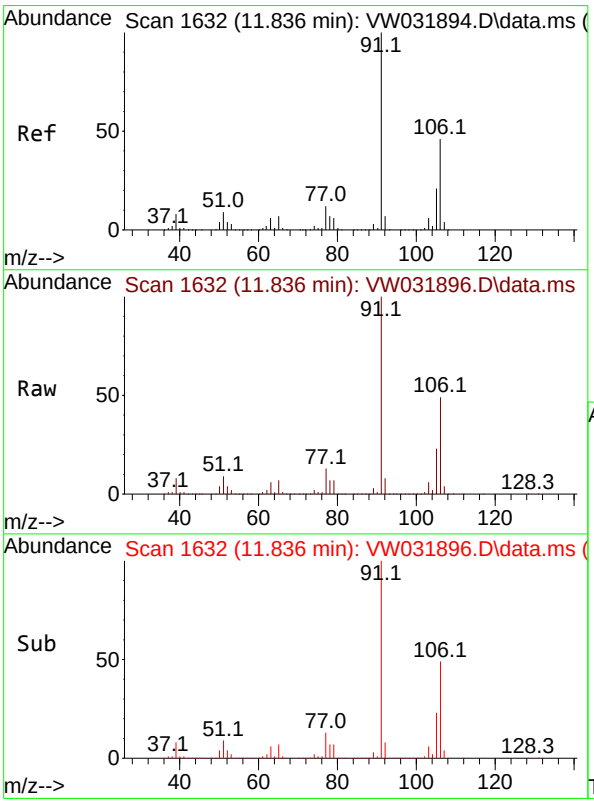
Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

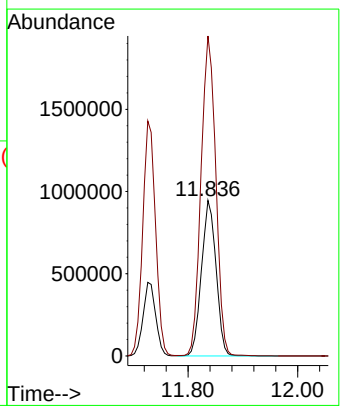


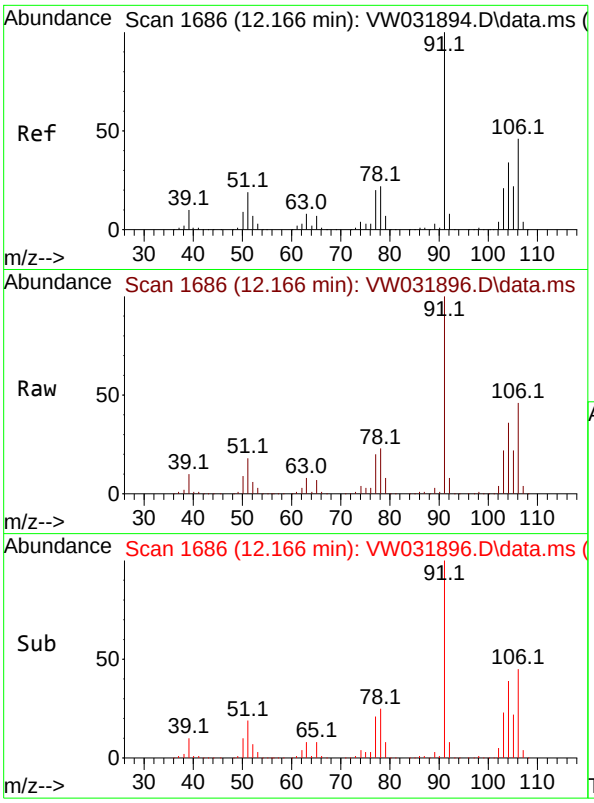


#68
m/p-Xylenes
Concen: 297.100 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:106 Resp: 1740273

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.7	251.5

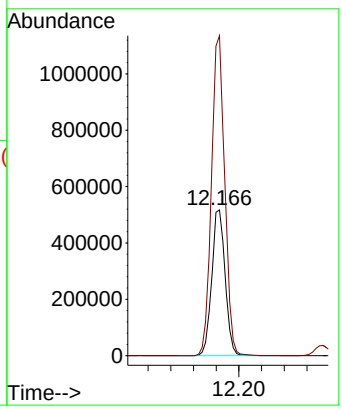




#69
o-Xylene
Concen: 152.763 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:106 Resp: 84682

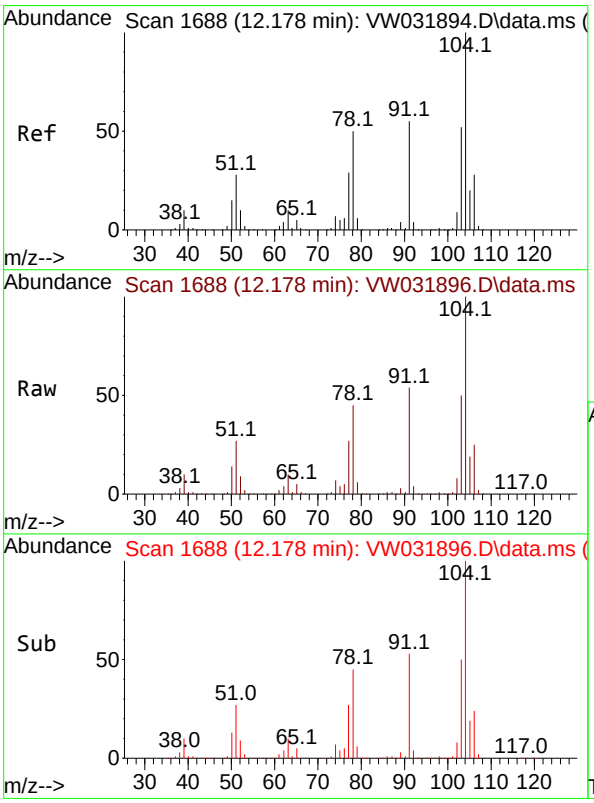
Ion	Ratio	Lower	Upper
106	100		
91	217.9	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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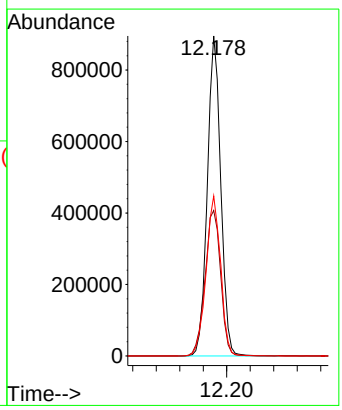
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

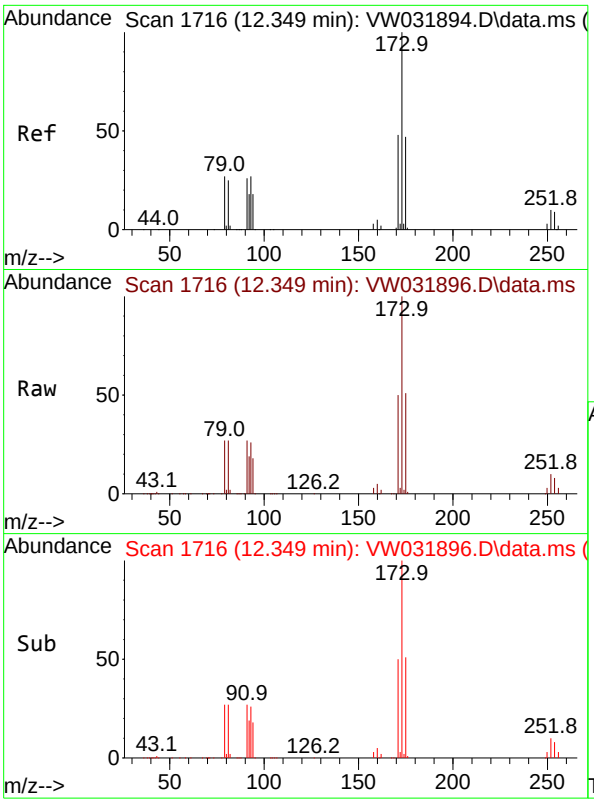


#70
Styrene
Concen: 150.432 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:104 Resp: 1419800

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.2	63.4
103	54.2	42.8	64.2

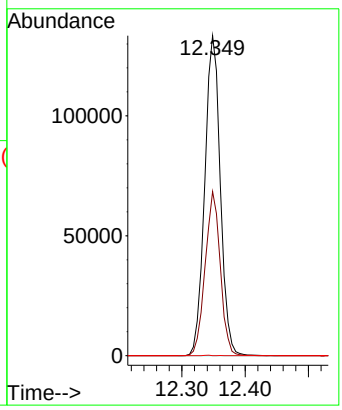




#71
Bromoform
Concen: 152.187 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:173 Resp: 22850

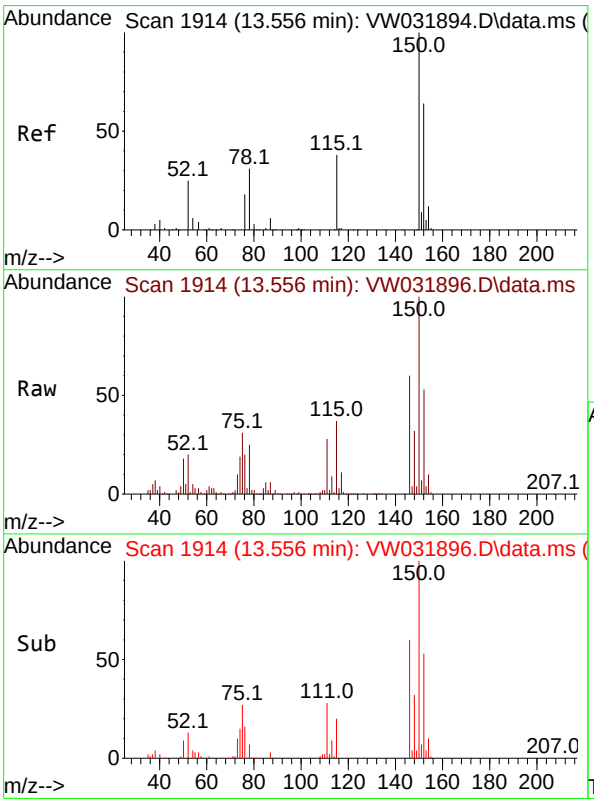
Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.5	73.5
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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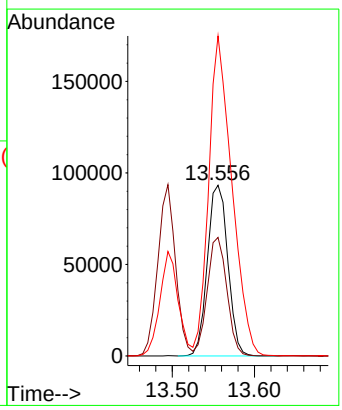
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

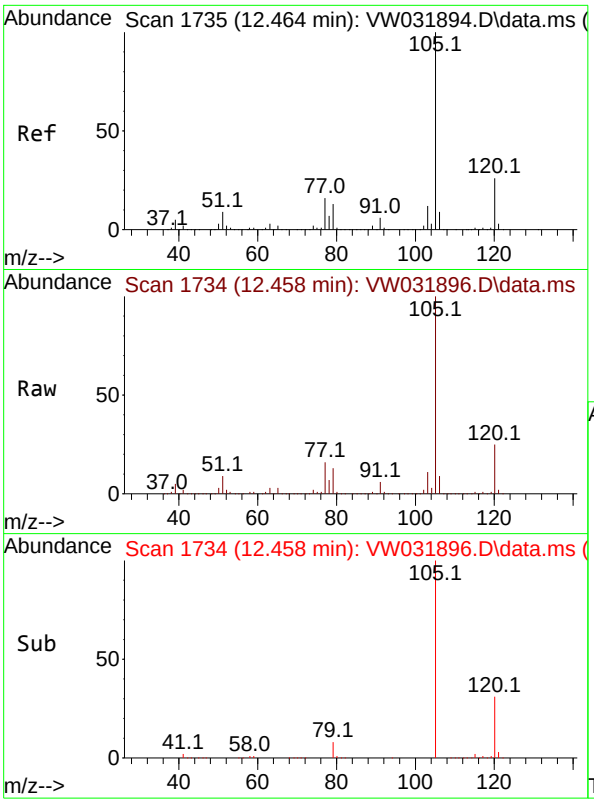


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:152 Resp: 160923

Ion	Ratio	Lower	Upper
152	100		
115	66.7	33.4	100.1
150	212.8	0.0	352.2

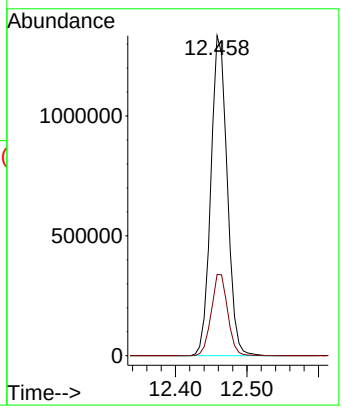




#73
Isopropylbenzene
Concen: 151.692 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 211803

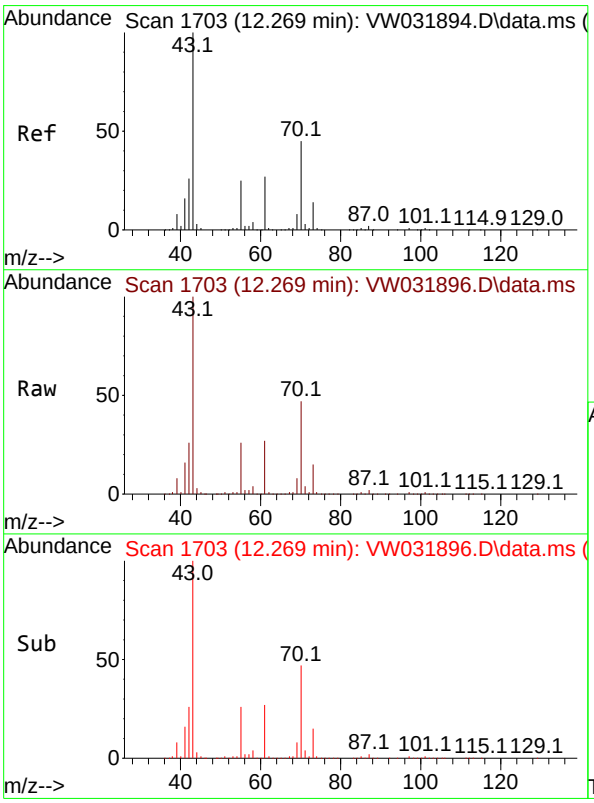
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

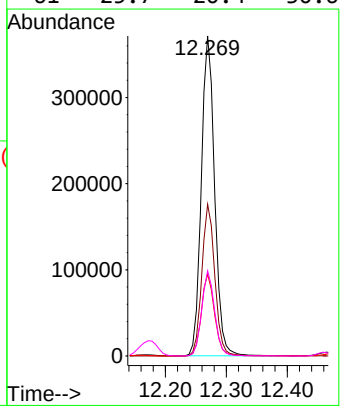
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

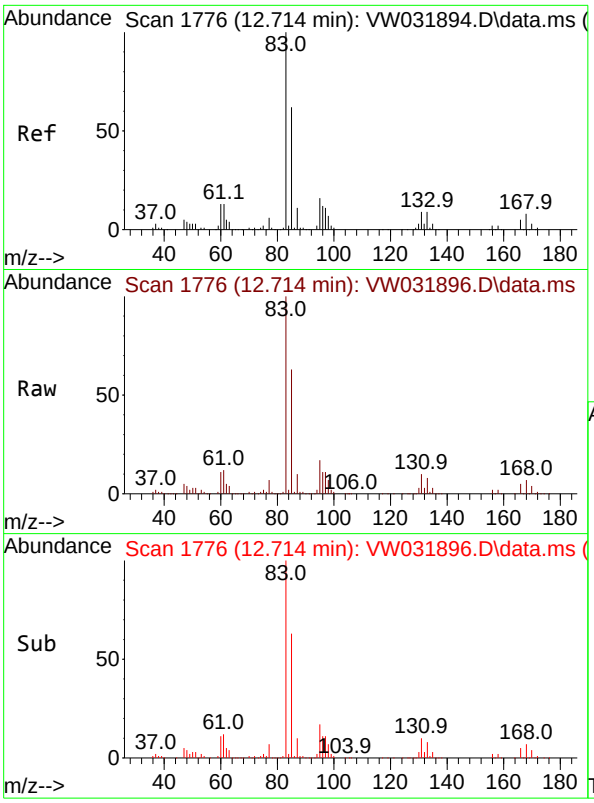


#74
N-amyl acetate
Concen: 149.722 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 565165

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	25.3	20.7	31.1
61	25.7	20.4	30.6

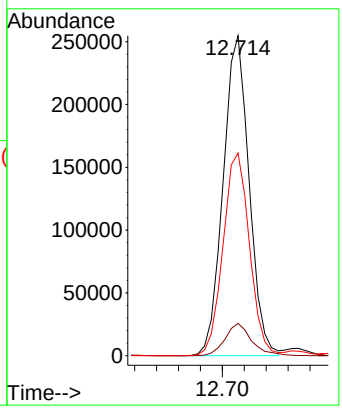




#75
1,1,2,2-Tetrachloroethane
Concen: 141.385 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 83 Resp: 41903

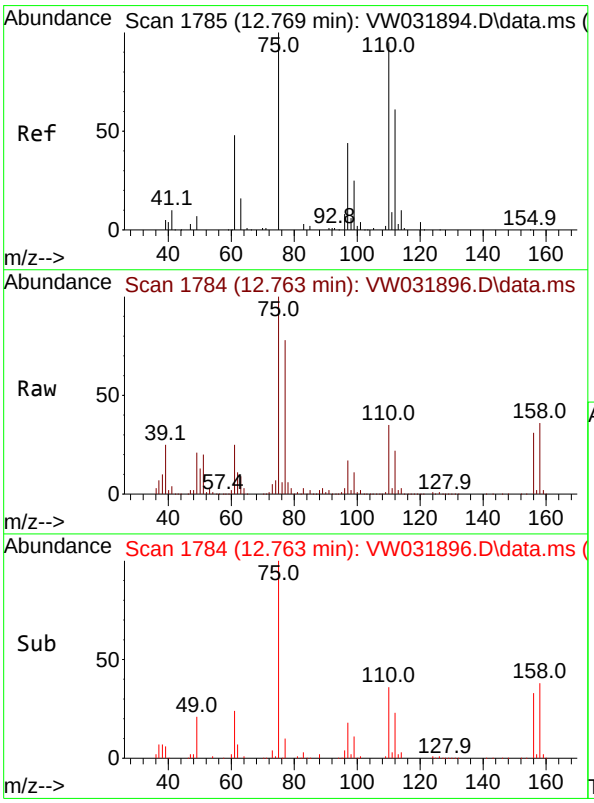
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.4	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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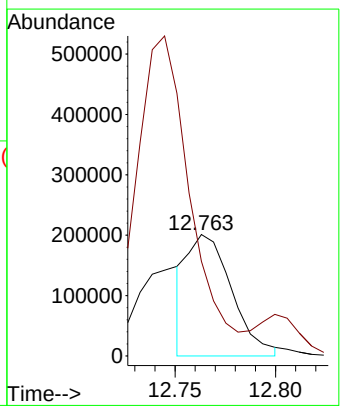
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

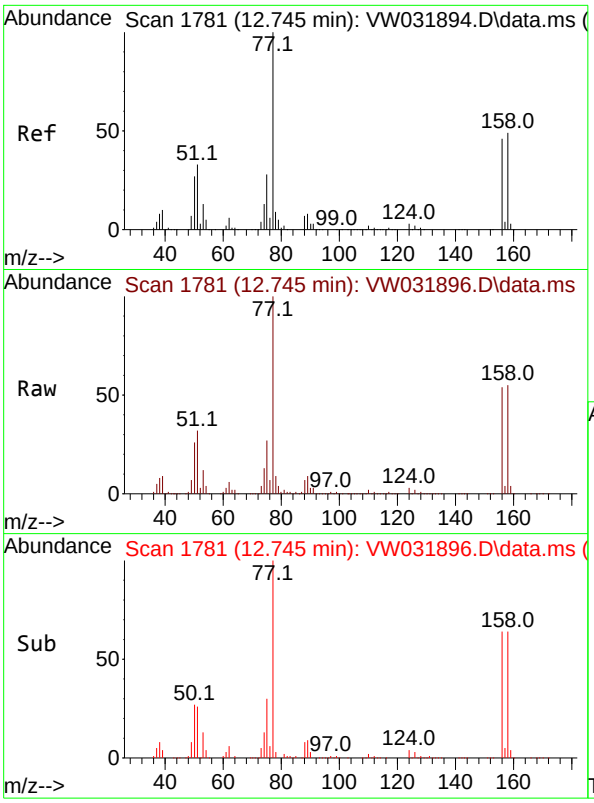


#76
1,2,3-Trichloropropane
Concen: 140.986 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 310612

Ion	Ratio	Lower	Upper
75	100		
77	318.0	0.0	0.0#

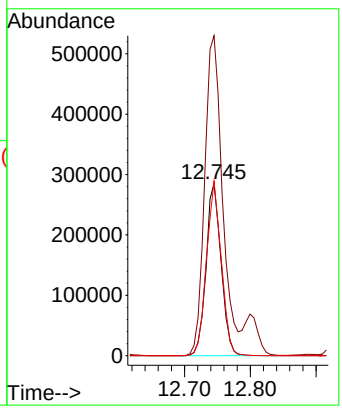




#77
Bromobenzene
Concen: 149.865 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:156 Resp: 45275

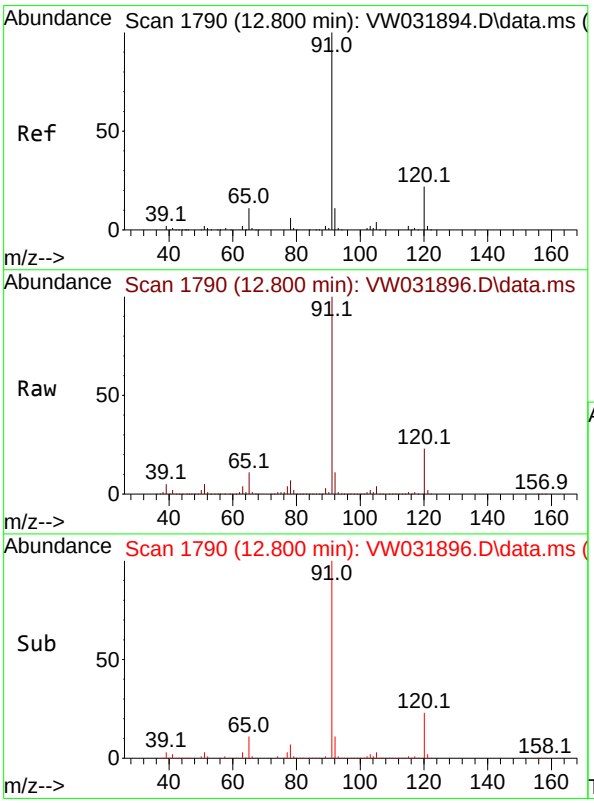
Ion	Ratio	Lower	Upper
156	100		
77	218.2	115.3	345.8
158	100.2	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

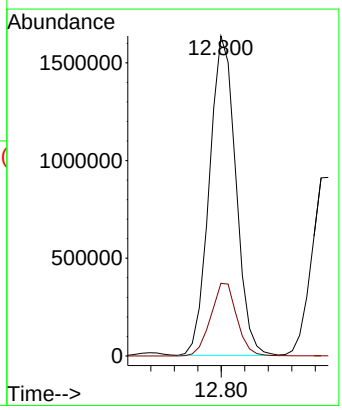
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

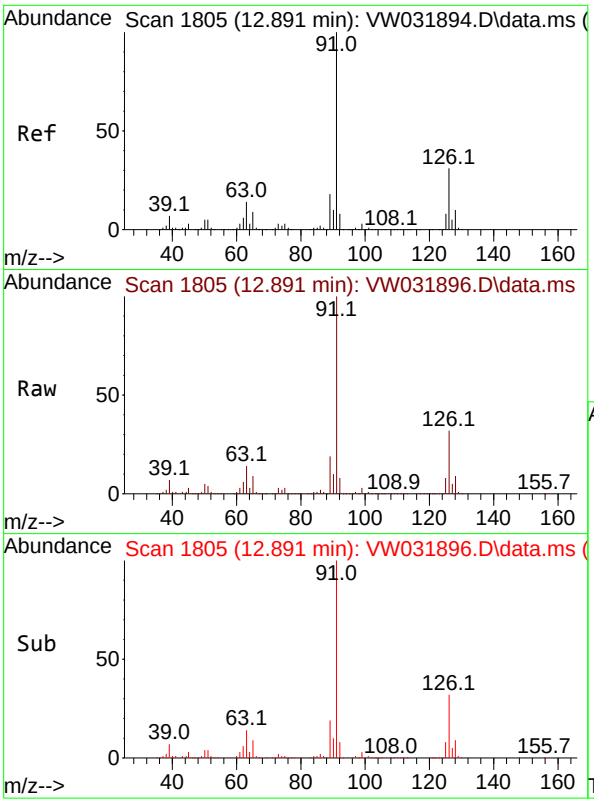


#78
n-propylbenzene
Concen: 148.745 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 2550787

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.9	32.6

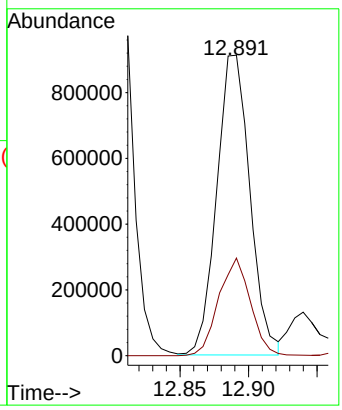




#79
2-Chlorotoluene
Concen: 150.285 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 153875

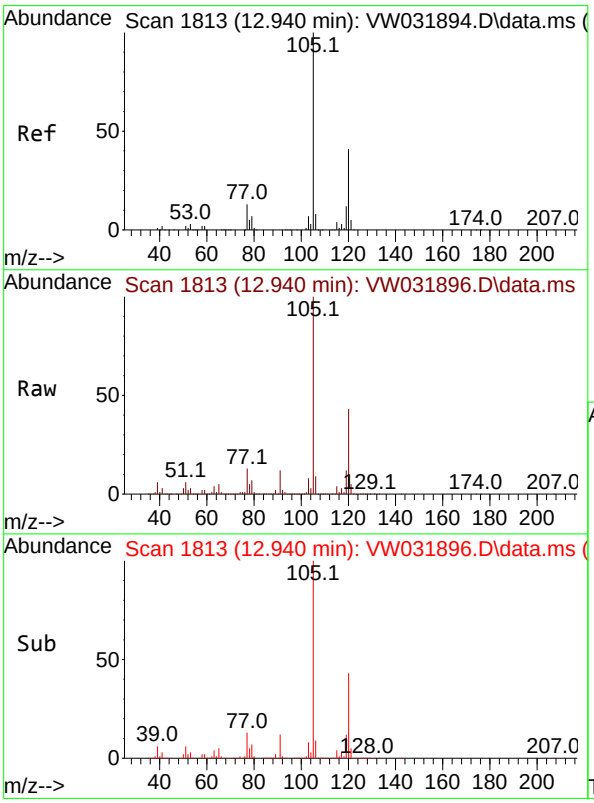
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

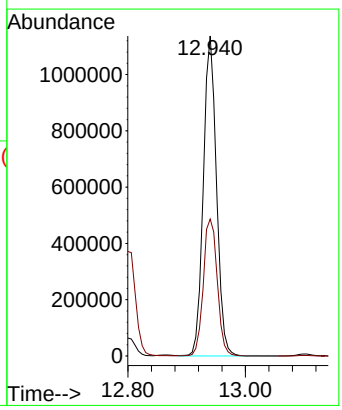
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

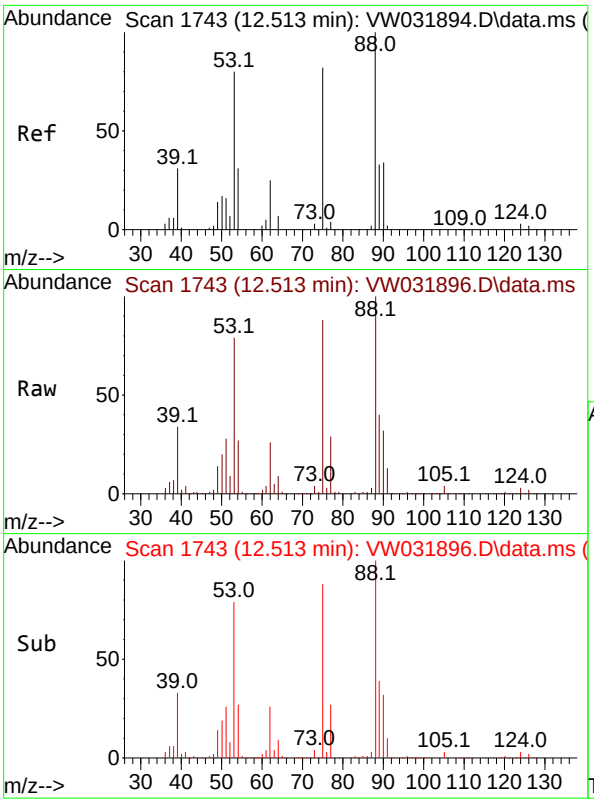


#80
1,3,5-Trimethylbenzene
Concen: 150.754 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 1765381

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 157.156 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

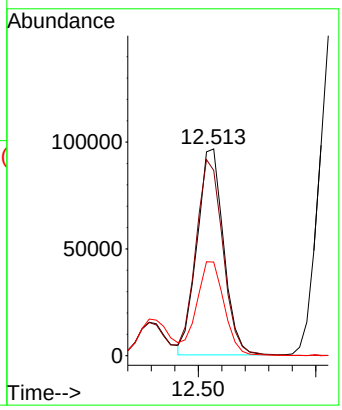
Tgt Ion: 75 Resp: 15123

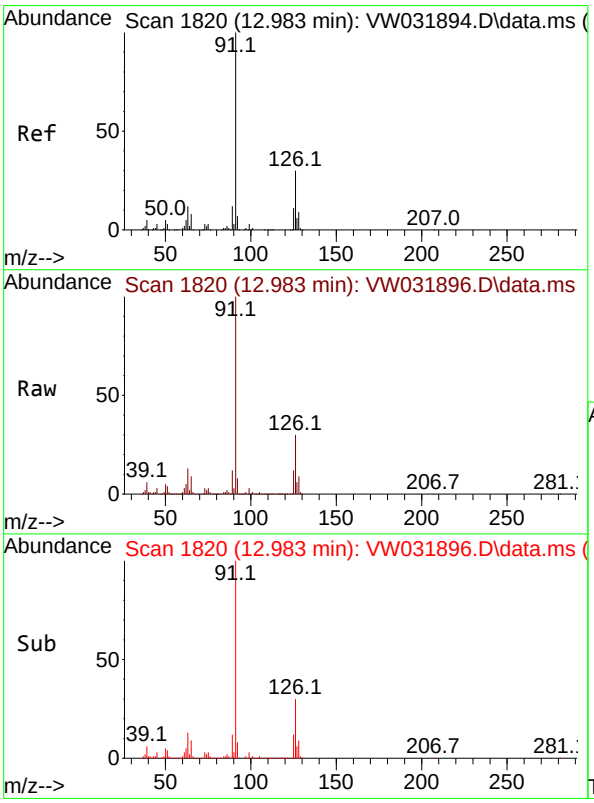
Ion	Ratio	Lower	Upper
75	100		
53	98.7	83.7	125.5
89	47.6	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

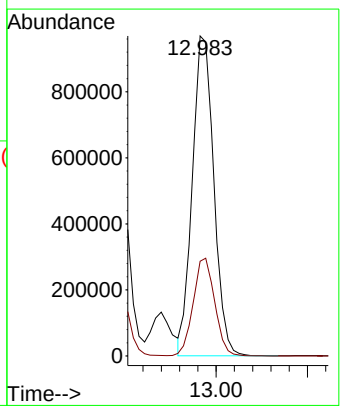


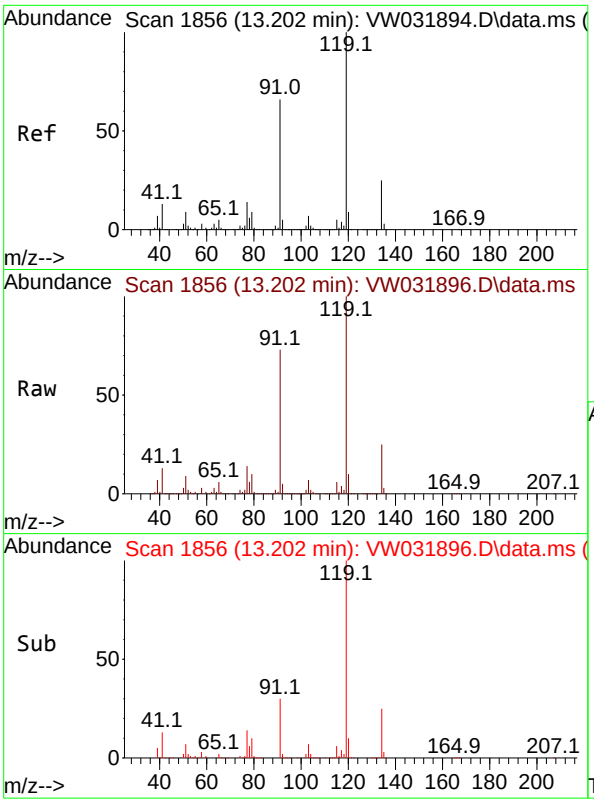


#82
4-Chlorotoluene
Concen: 147.284 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 1582046

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.3





#83
tert-Butylbenzene
Concen: 148.784 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

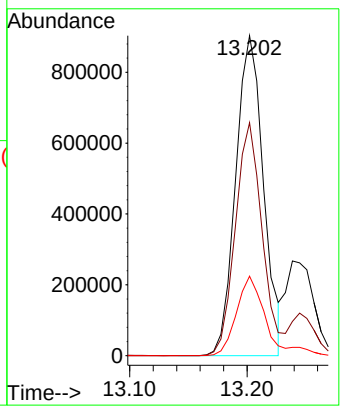
Tgt Ion:119 Resp: 148410

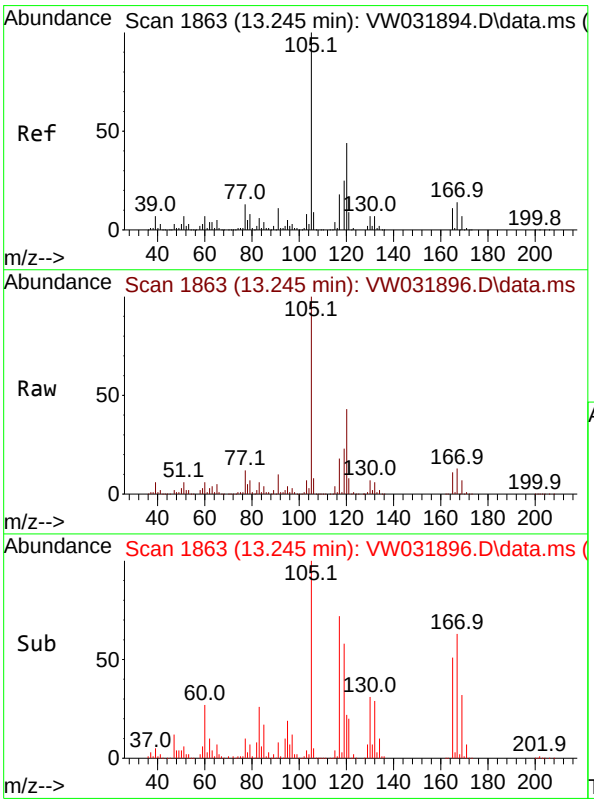
Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	26.3	12.4	37.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

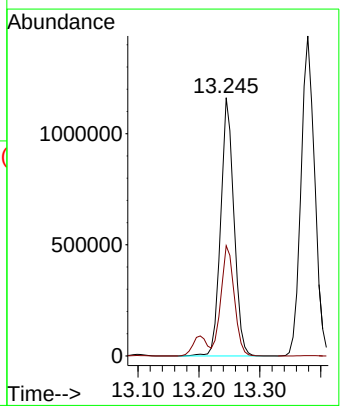


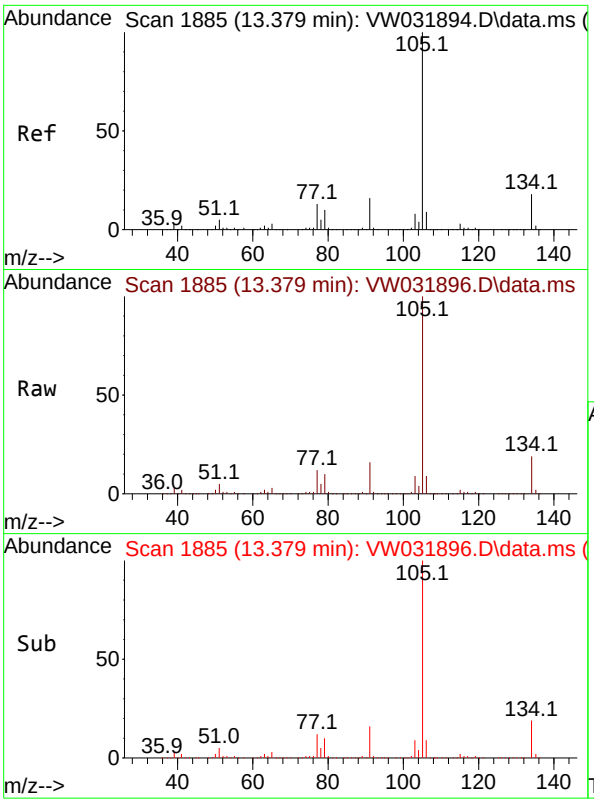


#84
1,2,4-Trimethylbenzene
Concen: 148.004 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 1754255

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9

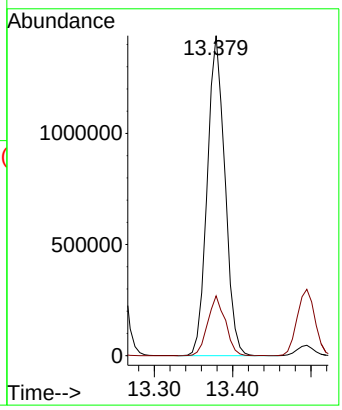




#85
sec-Butylbenzene
Concen: 149.881 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 224518

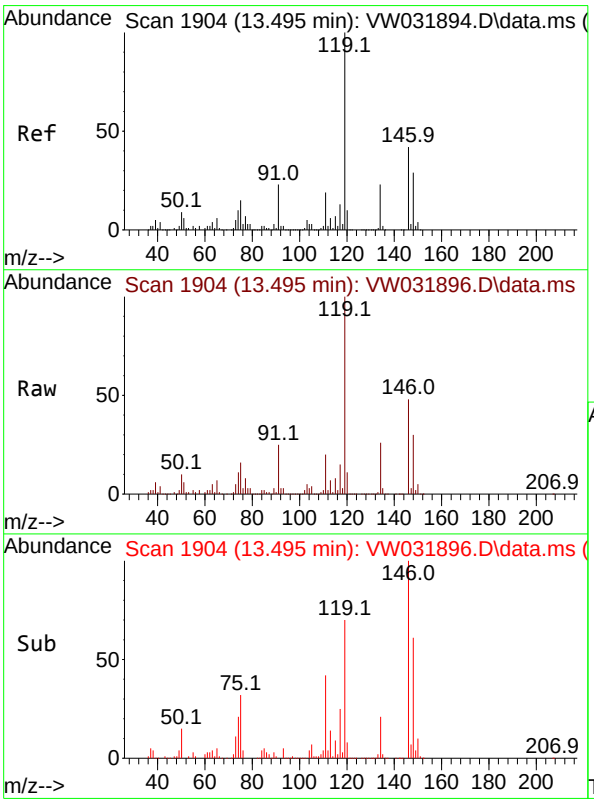
Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

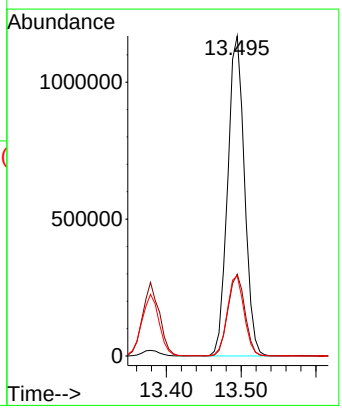
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

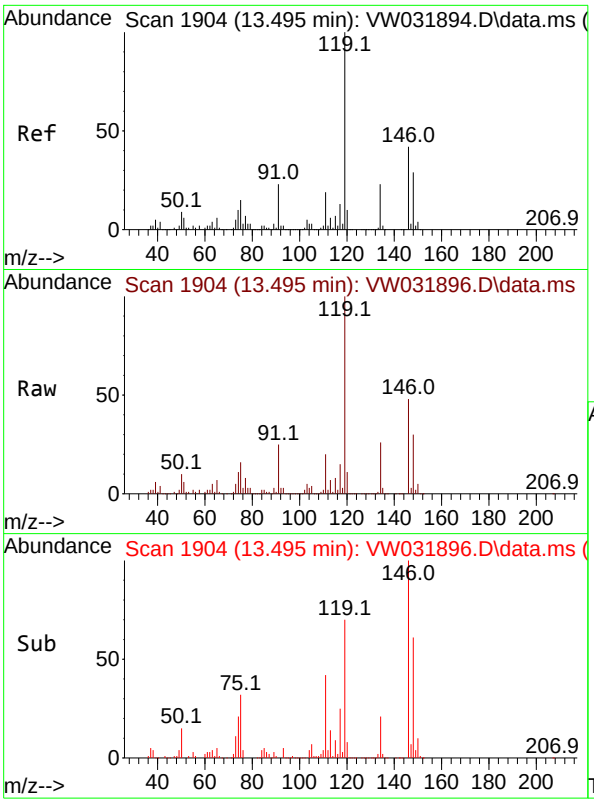


#86
p-Isopropyltoluene
Concen: 147.687 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:119 Resp: 1828574

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	25.0	12.7	38.1

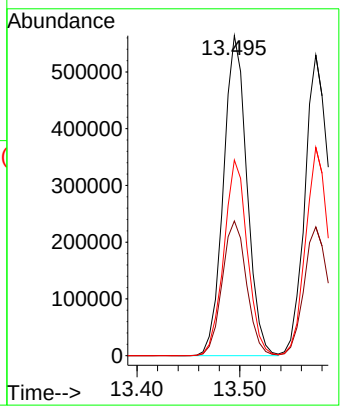




#87
1,3-Dichlorobenzene
Concen: 142.664 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:146 Resp: 89716

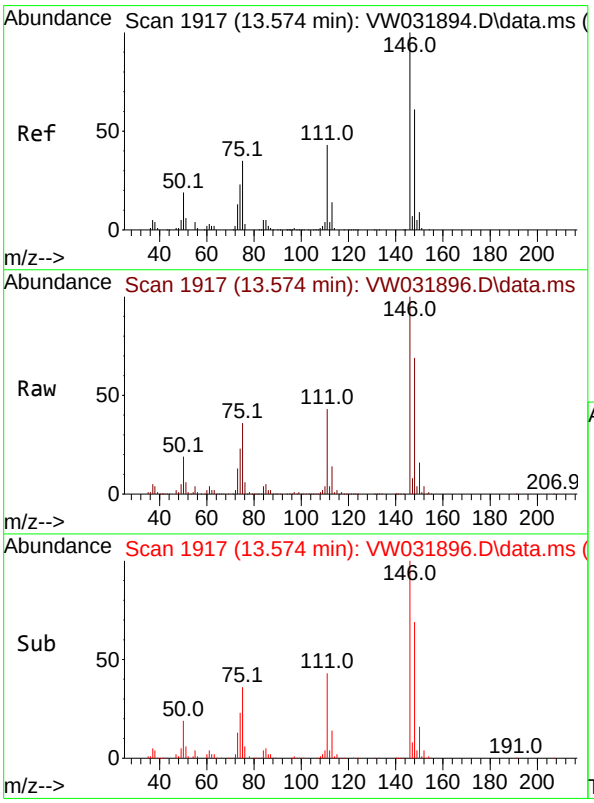
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	61.1	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

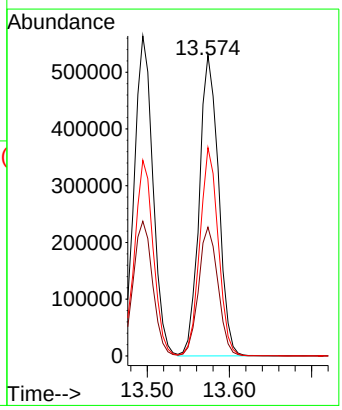
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

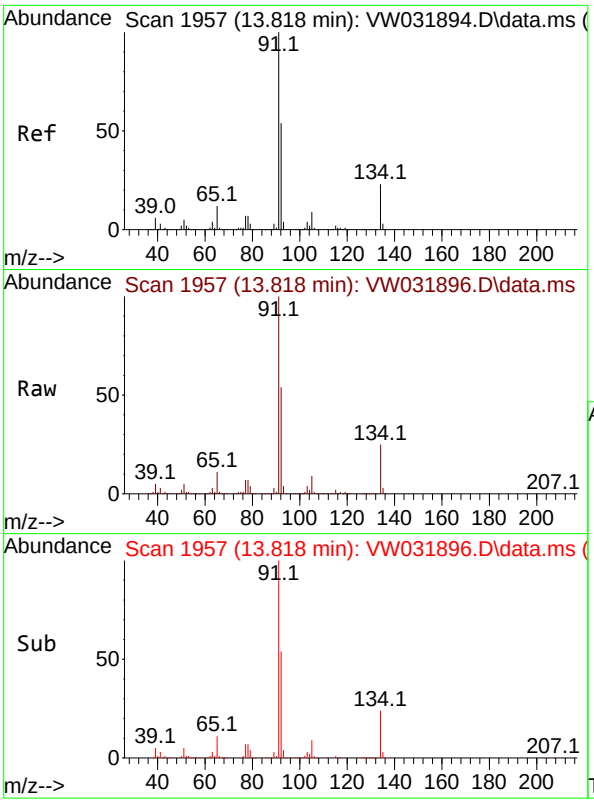


#88
1,4-Dichlorobenzene
Concen: 139.697 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:146 Resp: 860596

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.3
148	66.4	31.8	95.3

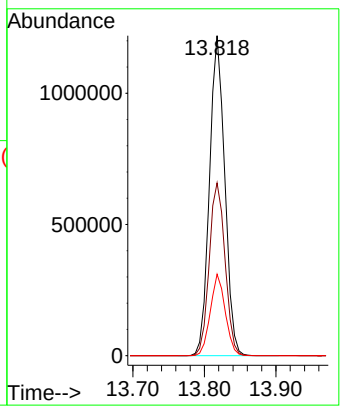




#89
n-Butylbenzene
Concen: 148.944 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 180907

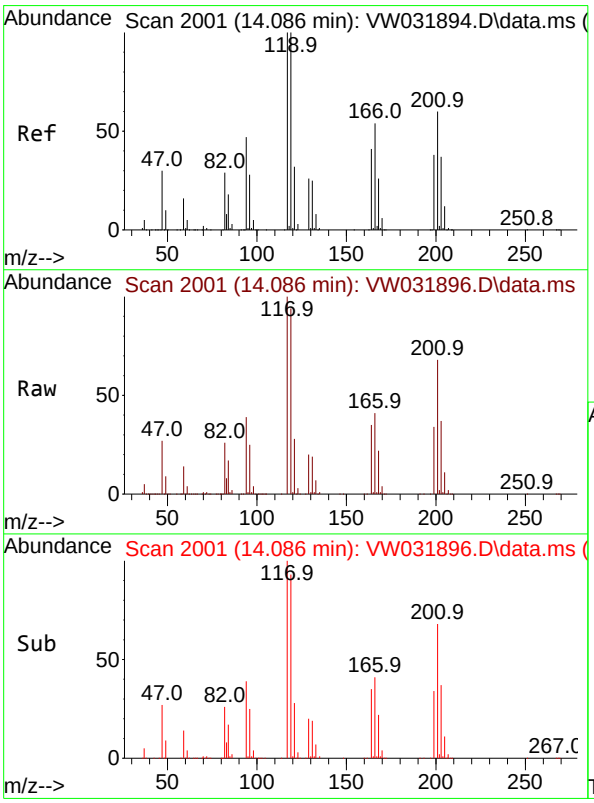
Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.2	81.5
134	25.0	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

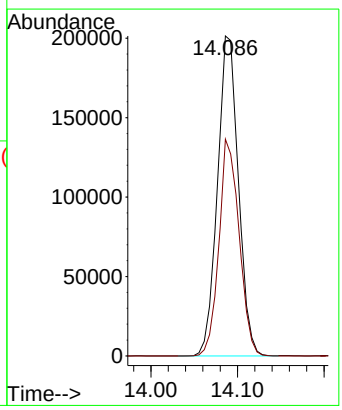
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

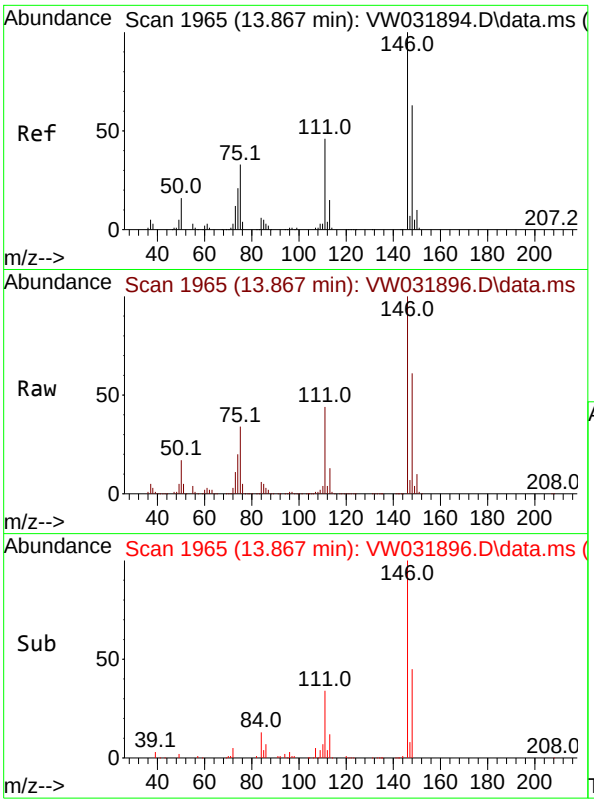


#90
Hexachloroethane
Concen: 158.018 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:117 Resp: 338316

Ion	Ratio	Lower	Upper
117	100		
201	65.2	28.4	85.2

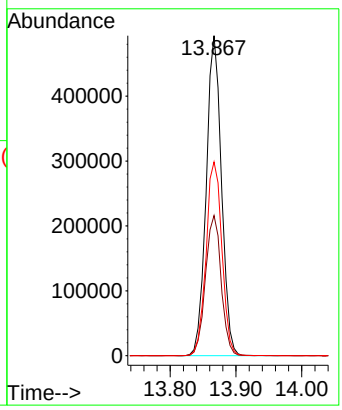




#91
1,2-Dichlorobenzene
Concen: 142.542 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:146 Resp: 79442

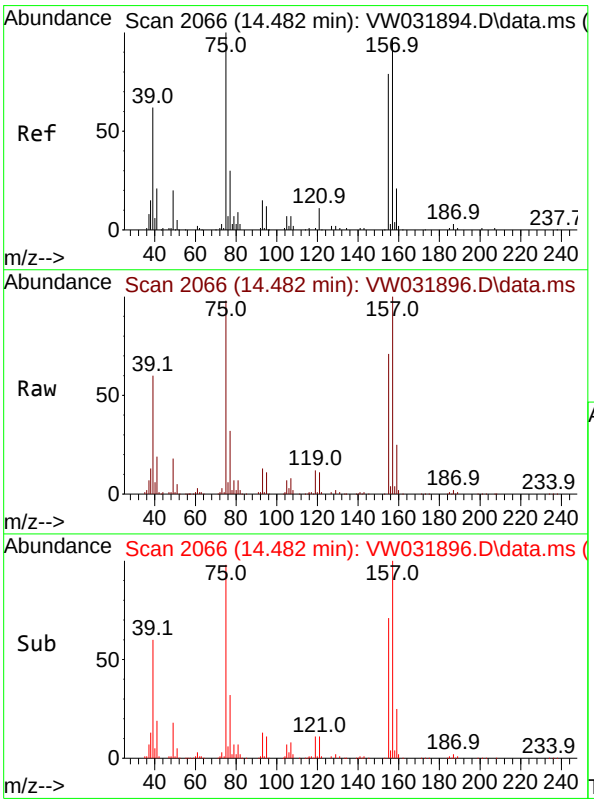
Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.6	71.0
148	62.9	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

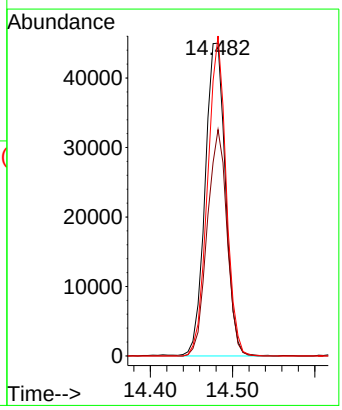
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

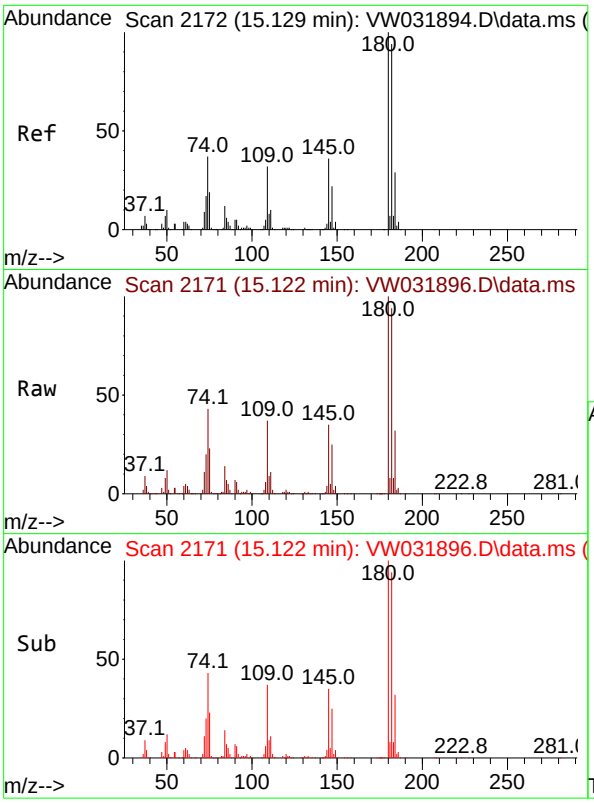


#92
1,2-Dibromo-3-Chloropropane
Concen: 144.321 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 77276

Ion	Ratio	Lower	Upper
75	100		
155	70.1	35.9	107.7
157	93.2	47.4	142.2

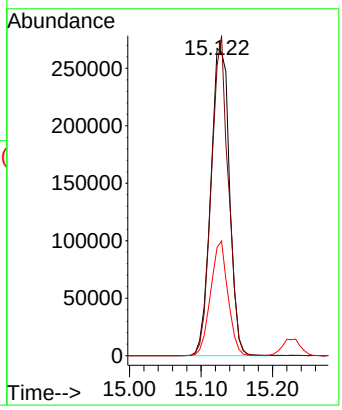




#93
1,2,4-Trichlorobenzene
Concen: 145.031 ug/l
RT: 15.122 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:180 Resp: 48746

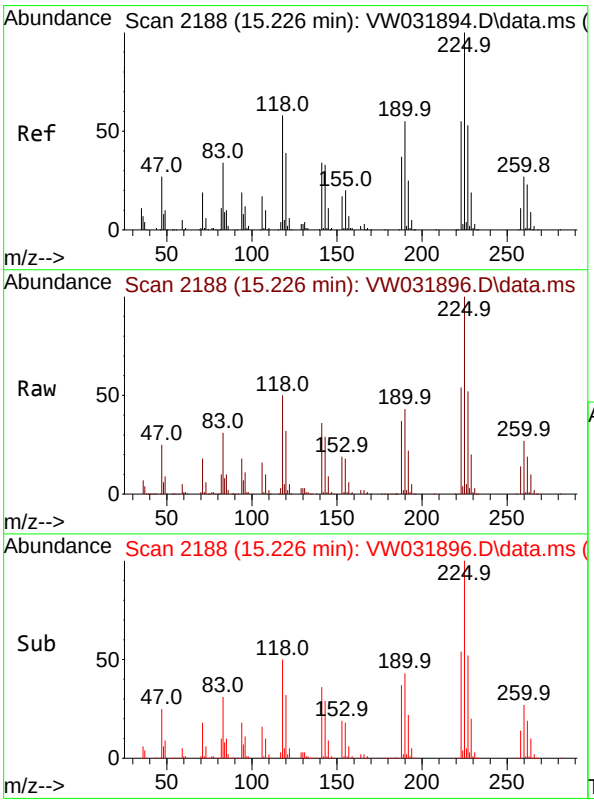
Ion	Ratio	Lower	Upper
180	100		
182	94.1	51.0	153.1
145	34.4	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

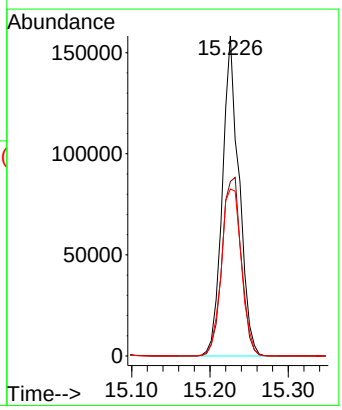
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

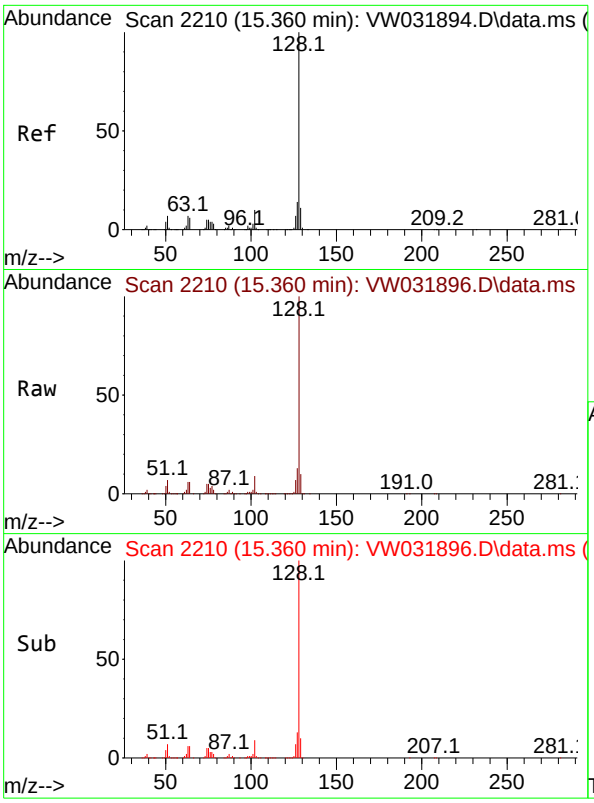


#94
Hexachlorobutadiene
Concen: 147.210 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:225 Resp: 234457

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.7
227	63.1	30.0	90.1

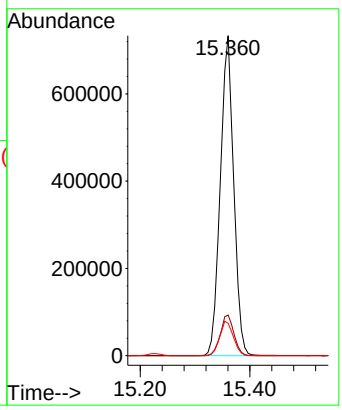




#95
Naphthalene
Concen: 150.984 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:128 Resp: 124763

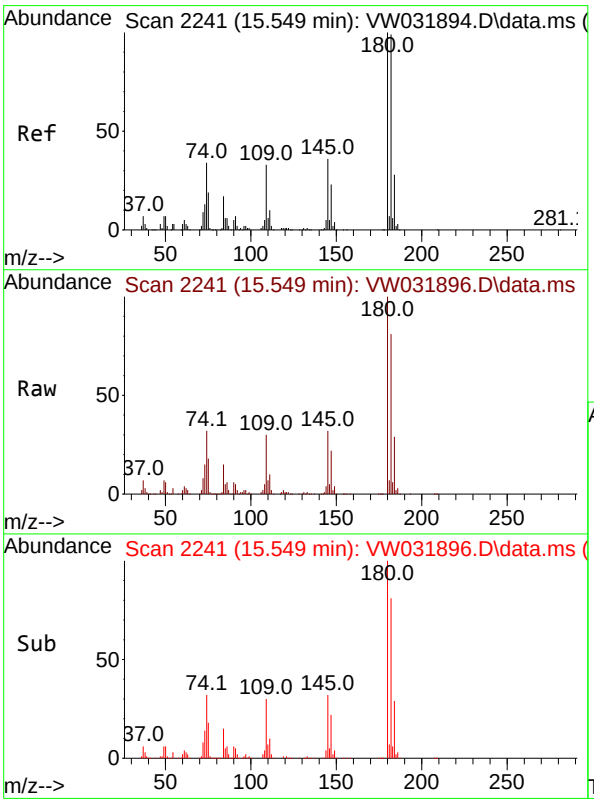
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.9	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

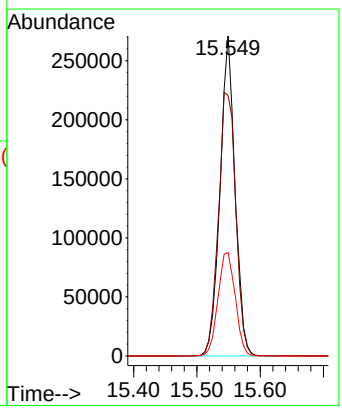
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 145.827 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:180 Resp: 444087

Ion	Ratio	Lower	Upper
180	100		
182	95.4	50.4	151.2
145	37.2	18.6	55.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	226226	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154942	45.275	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 90.560%			
35) Dibromofluoromethane	7.898	113	131485	46.294	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.580%			
50) Toluene-d8	10.325	98	495878	46.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	188746	45.728	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	79412	47.231	ug/l	97
3) Chloromethane	2.253	50	104231	48.299	ug/l	96
4) Vinyl Chloride	2.405	62	136473	48.682	ug/l	99
5) Bromomethane	2.826	94	98945	47.931	ug/l	99
6) Chloroethane	2.972	64	89035	48.122	ug/l	98
7) Trichlorofluoromethane	3.308	101	134264	47.287	ug/l	100
8) Diethyl Ether	3.722	74	88950	46.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	131248	48.057	ug/l	99
10) Methyl Iodide	4.314	142	194455	47.621	ug/l	100
11) Tert butyl alcohol	5.216	59	55051	273.664	ug/l	100
12) 1,1-Dichloroethene	4.076	96	146332	48.510	ug/l	98
13) Acrolein	3.929	56	66037	243.737	ug/l	99
14) Allyl chloride	4.704	41	227478	48.442	ug/l	99
15) Acrylonitrile	5.405	53	213745	252.071	ug/l	99
16) Acetone	4.161	43	212311	261.441	ug/l	99
17) Carbon Disulfide	4.417	76	383835	49.063	ug/l	97
18) Methyl Acetate	4.710	43	116092	51.889	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	262205	50.308	ug/l	97
20) Methylene Chloride	4.948	84	170521	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	154329	48.220	ug/l	98
22) Diisopropyl ether	6.338	45	458677	48.814	ug/l	96
23) Vinyl Acetate	6.277	43	1580961	257.536	ug/l	98
24) 1,1-Dichloroethane	6.246	63	285778	48.848	ug/l	99
25) 2-Butanone	7.191	43	295784	266.207	ug/l	98
26) 2,2-Dichloropropane	7.185	77	159426	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	183416	48.747	ug/l	97
28) Bromochloromethane	7.526	49	120307	49.115	ug/l	98
29) Tetrahydrofuran	7.551	42	189833	260.591	ug/l	99
30) Chloroform	7.691	83	305201	49.755	ug/l	99
31) Cyclohexane	7.971	56	246141	46.897	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	227258	48.687	ug/l	99
36) 1,1-Dichloropropene	8.093	75	216329	49.596	ug/l	98
37) Ethyl Acetate	7.270	43	126677	50.911	ug/l	99
38) Carbon Tetrachloride	8.087	117	205709	49.141	ug/l	96
39) Methylcyclohexane	9.343	83	279446	50.909	ug/l	96
40) Benzene	8.331	78	638121	49.422	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	73360	49.252	ug/l		95
42) 1,2-Dichloroethane	8.410	62	203485	49.242	ug/l		100
43) Isopropyl Acetate	8.435	43	233100	51.748	ug/l		100
44) Trichloroethene	9.099	130	150370	48.996	ug/l		97
45) 1,2-Dichloropropane	9.374	63	151921	48.855	ug/l		97
46) Dibromomethane	9.465	93	96302	49.959	ug/l		97
47) Bromodichloromethane	9.648	83	233260	50.465	ug/l		99
48) Methyl methacrylate	9.441	41	111759	52.150	ug/l		99
49) 1,4-Dioxane	9.465	88	20081	1044.021	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.209	43	646271	262.159	ug/l		100
52) Toluene	10.392	92	411023	49.520	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	227133	51.226	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	256794	50.715	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	128088	50.025	ug/l		91
56) Ethyl methacrylate	10.648	69	190747	52.748	ug/l		99
57) 1,3-Dichloropropane	10.934	76	226448	50.201	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	495366	266.689	ug/l		98
59) 2-Hexanone	10.965	43	463102	270.260	ug/l		100
60) Dibromochloromethane	11.129	129	148718	49.816	ug/l		99
61) 1,2-Dibromoethane	11.233	107	125012	49.410	ug/l		97
64) Tetrachloroethene	10.867	164	116825	48.658	ug/l		92
65) Chlorobenzene	11.660	112	424231	47.600	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	143748	52.026	ug/l		97
67) Ethyl Benzene	11.733	91	772618	49.339	ug/l		98
68) m/p-Xylenes	11.837	106	582795	98.862	ug/l		98
69) o-Xylene	12.166	106	286822	51.412	ug/l		98
70) Styrene	12.178	104	477401	50.260	ug/l		98
71) Bromoform	12.343	173	78568	51.994	ug/l	#	97
73) Isopropylbenzene	12.458	105	737512	49.484	ug/l		100
74) N-amyl acetate	12.269	43	211747	52.553	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	157475	49.778	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	112806m	47.566	ug/l		
77) Bromobenzene	12.745	156	160635	49.814	ug/l		94
78) n-propylbenzene	12.800	91	901700	49.260	ug/l		99
79) 2-Chlorotoluene	12.891	91	535719	49.018	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	626726	50.139	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	53527	52.109	ug/l		98
82) 4-Chlorotoluene	12.983	91	560575	48.892	ug/l		99
83) tert-Butylbenzene	13.202	119	530770	49.850	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	621802	49.148	ug/l		99
85) sec-Butylbenzene	13.379	105	802831	50.210	ug/l		100
86) p-Isopropyltoluene	13.489	119	664260	50.261	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	316200	47.106	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	320113	48.681	ug/l		98
89) n-Butylbenzene	13.818	91	638513	49.250	ug/l		98
90) Hexachloroethane	14.086	117	113450	49.643	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	286039	48.082	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28523	49.905	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	177038	49.346	ug/l		93
94) Hexachlorobutadiene	15.232	225	78966	46.450	ug/l		92
95) Naphthalene	15.360	128	462913	52.482	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	164194	50.512	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

ICAL Form

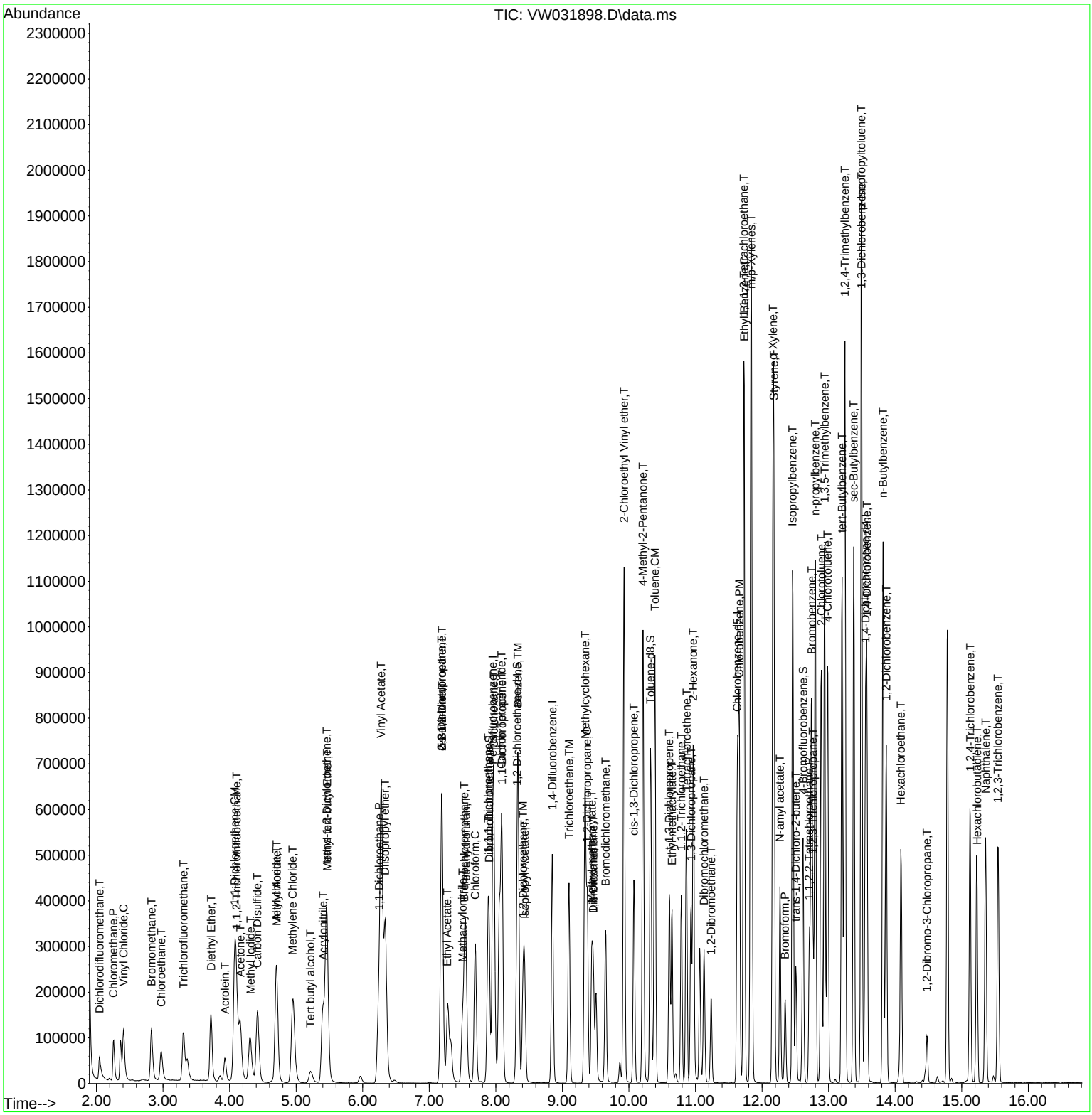
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Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

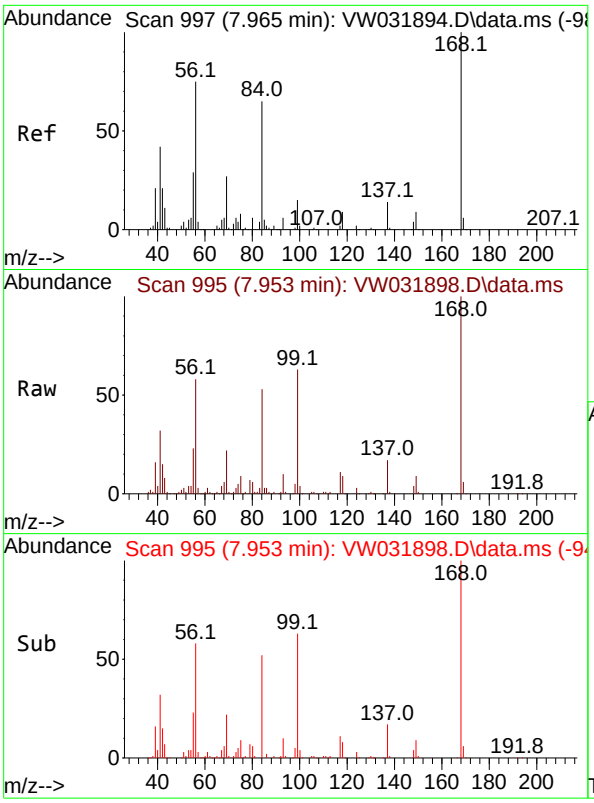
Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

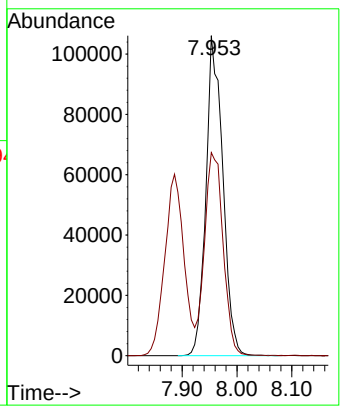




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:168 Resp: 22622

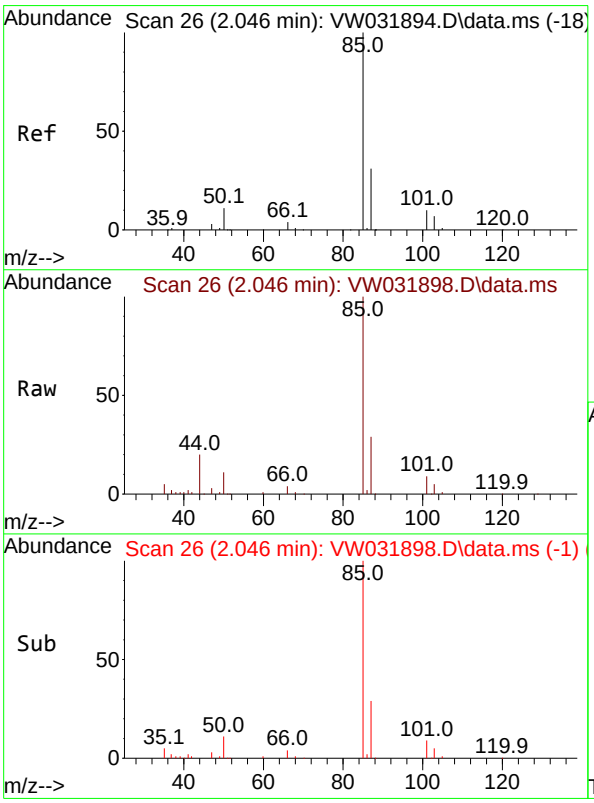
Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

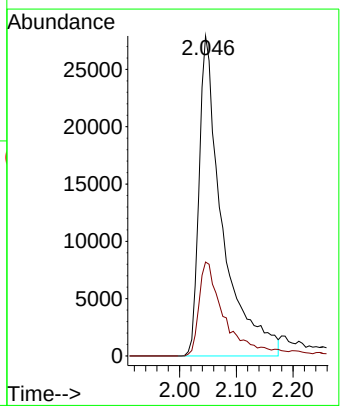
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

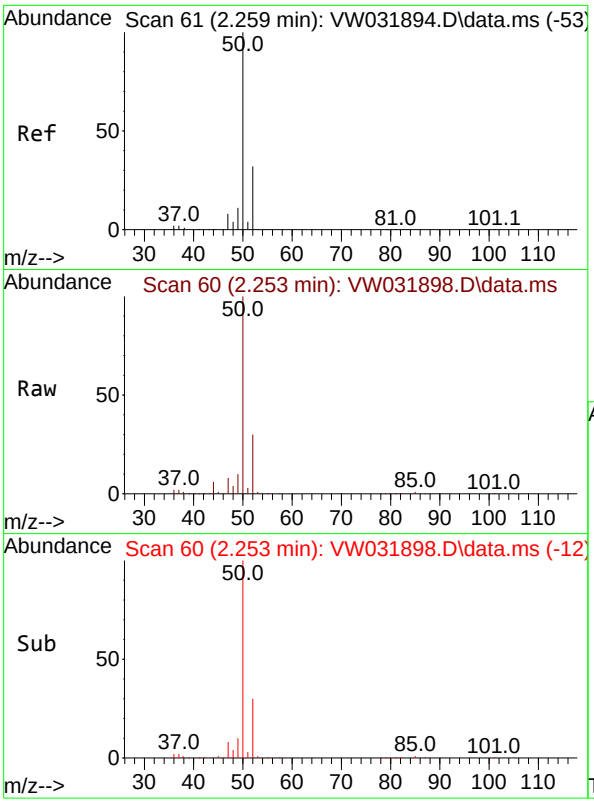


#2
Dichlorodifluoromethane
Concen: 47.231 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 85 Resp: 79412

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.5	46.5

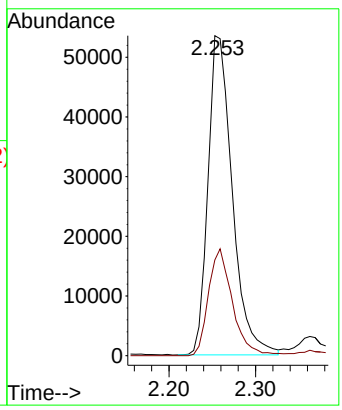




#3
Chloromethane
Concen: 48.299 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 50 Resp: 10423

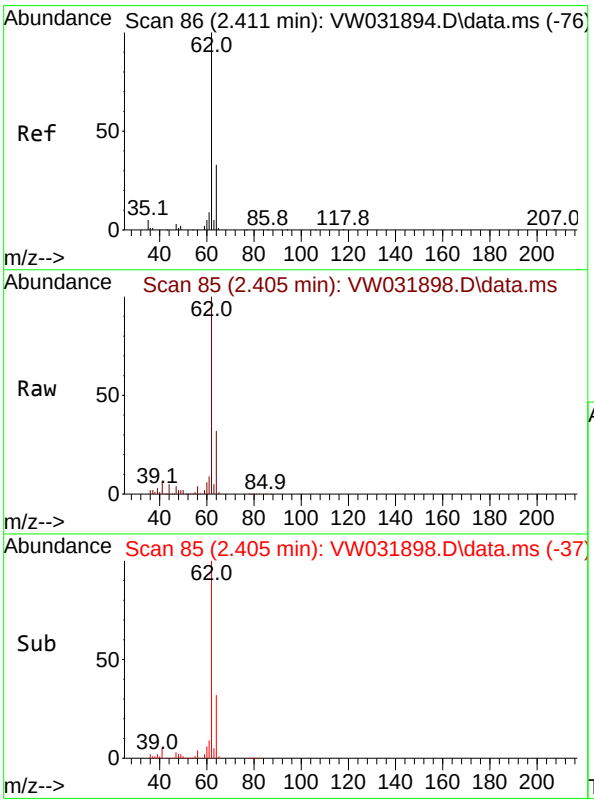
Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

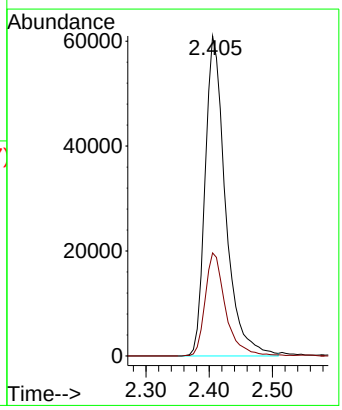
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

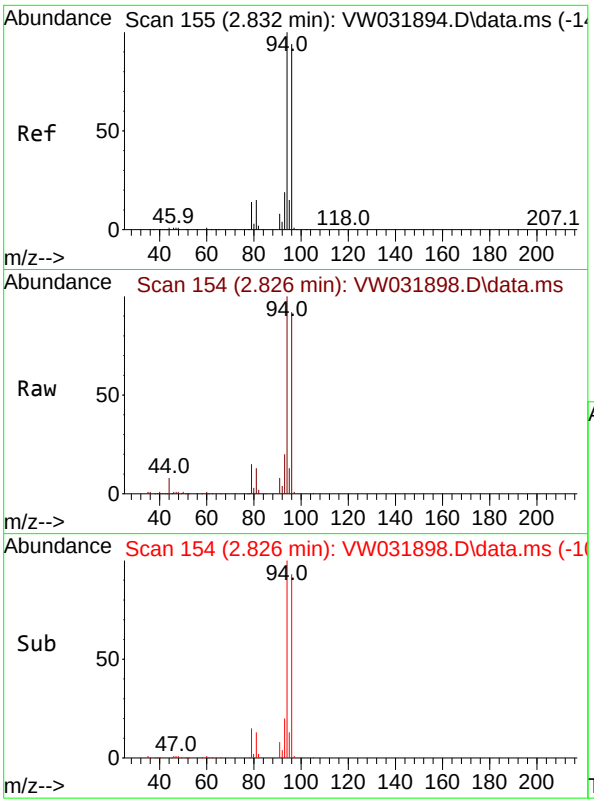


#4
Vinyl Chloride
Concen: 48.682 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 62 Resp: 136473

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.2

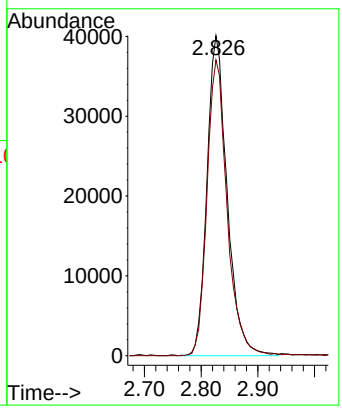




#5
Bromomethane
Concen: 47.931 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 94 Resp: 9894

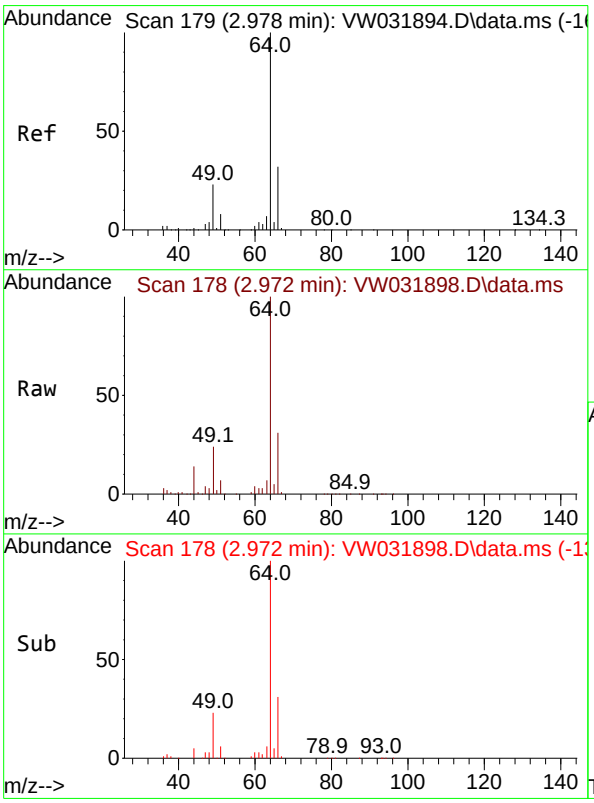
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

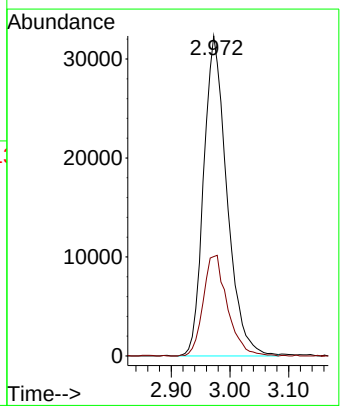
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

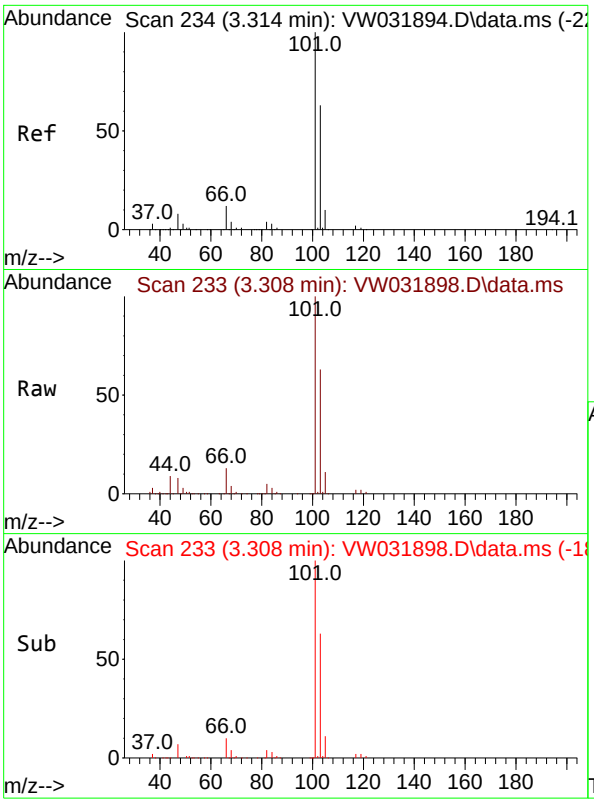


#6
Chloroethane
Concen: 48.122 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 64 Resp: 89035

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.6	38.4

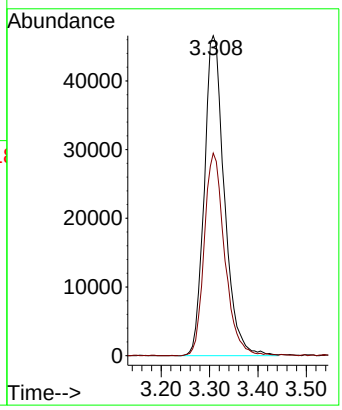




#7
Trichlorofluoromethane
Concen: 47.287 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:101 Resp: 13426

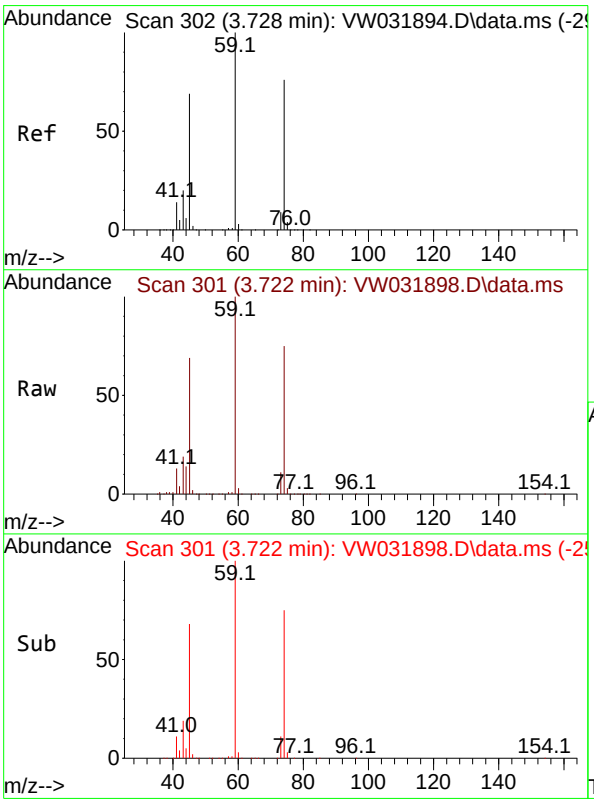
Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

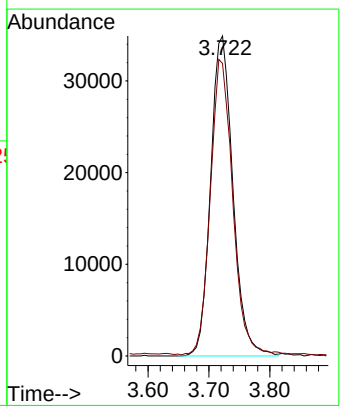
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

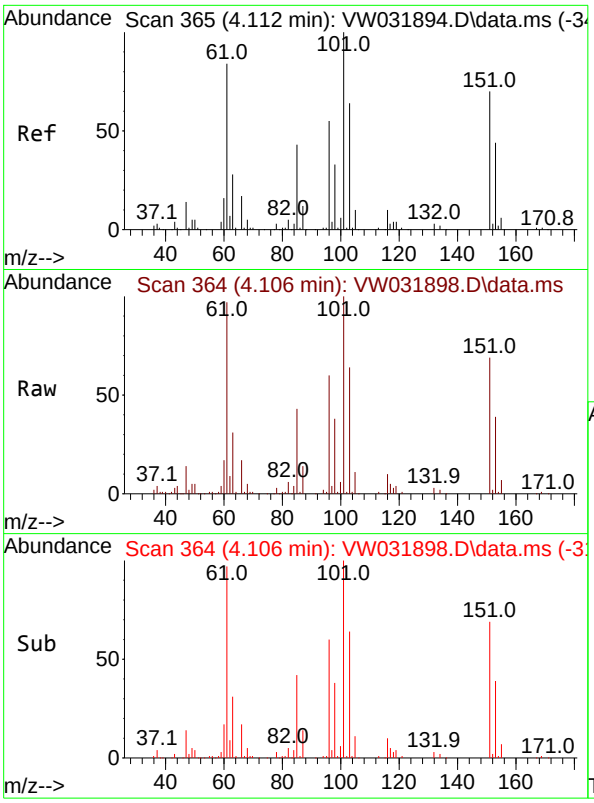


#8
Diethyl Ether
Concen: 46.898 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 74 Resp: 88950

Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.5	136.5

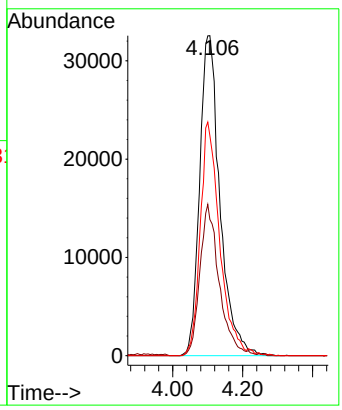




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.057 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:101 Resp: 13124

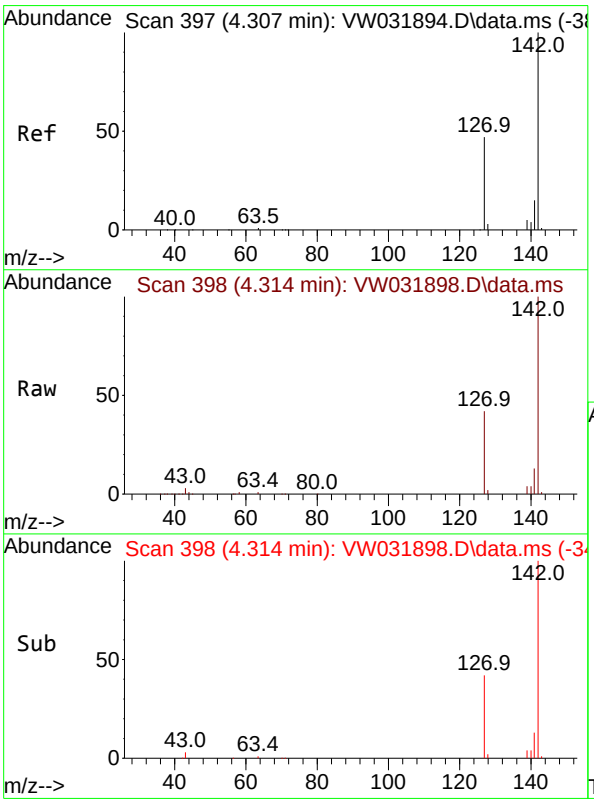
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	69.3	54.6	81.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

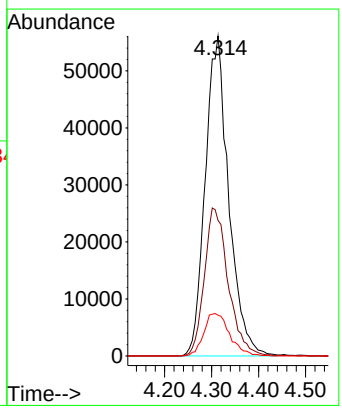
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

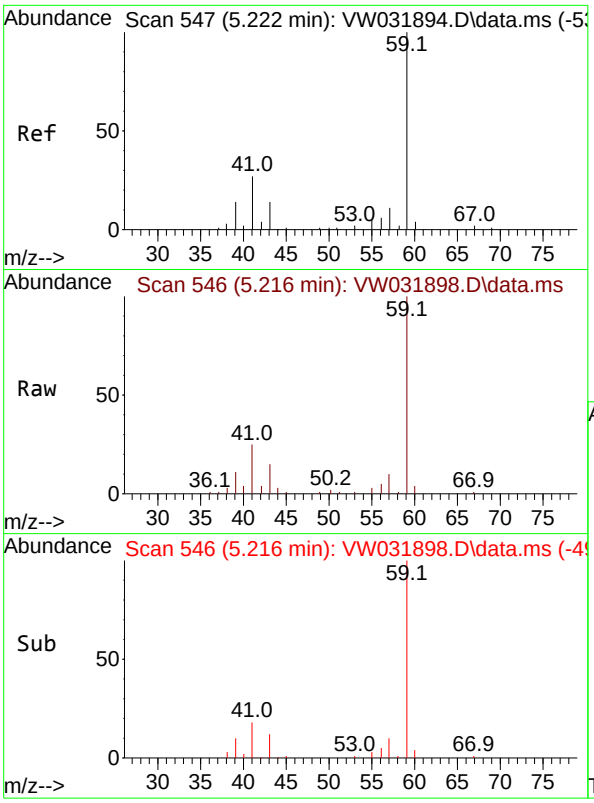


#10
Methyl Iodide
Concen: 47.621 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:142 Resp: 194455

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.4	56.2
141	14.6	11.9	17.9

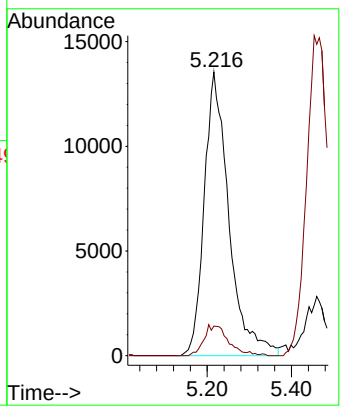




#11
Tert butyl alcohol
Concen: 273.664 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 59 Resp: 5505

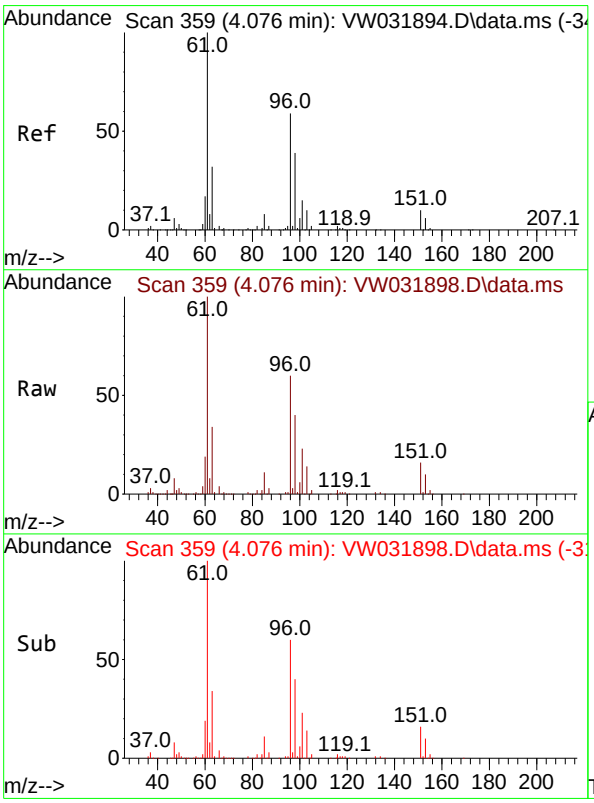
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

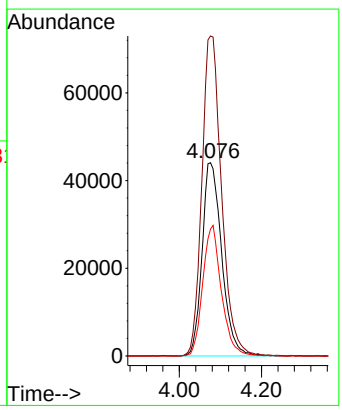
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

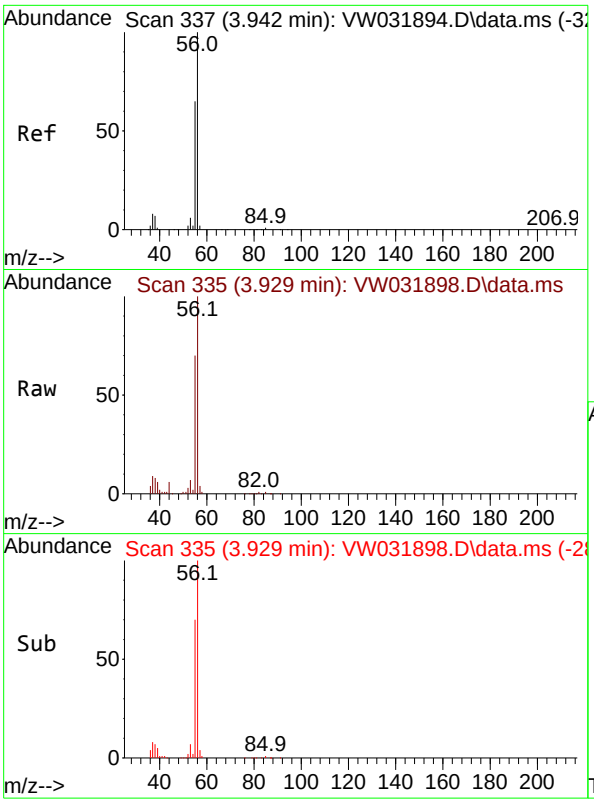


#12
1,1-Dichloroethene
Concen: 48.510 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 96 Resp: 146332

Ion	Ratio	Lower	Upper
96	100		
61	165.6	135.0	202.6
98	65.7	52.3	78.5

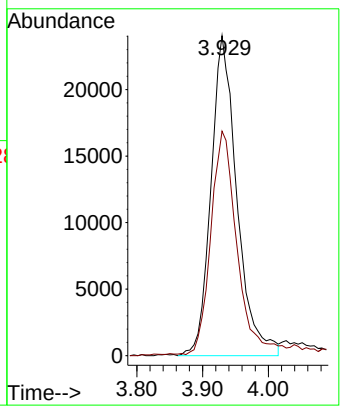




#13
Acrolein
Concen: 243.737 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 56 Resp: 6603

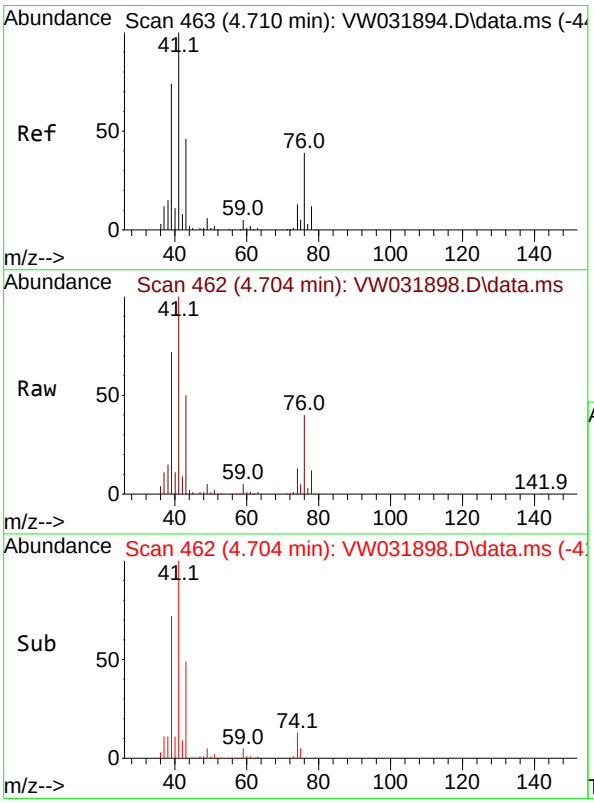
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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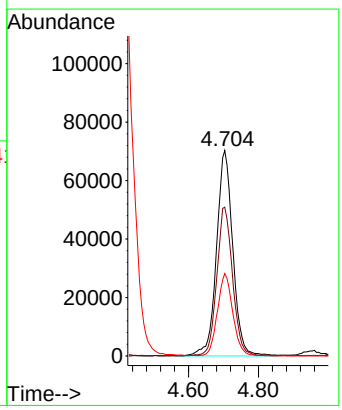
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

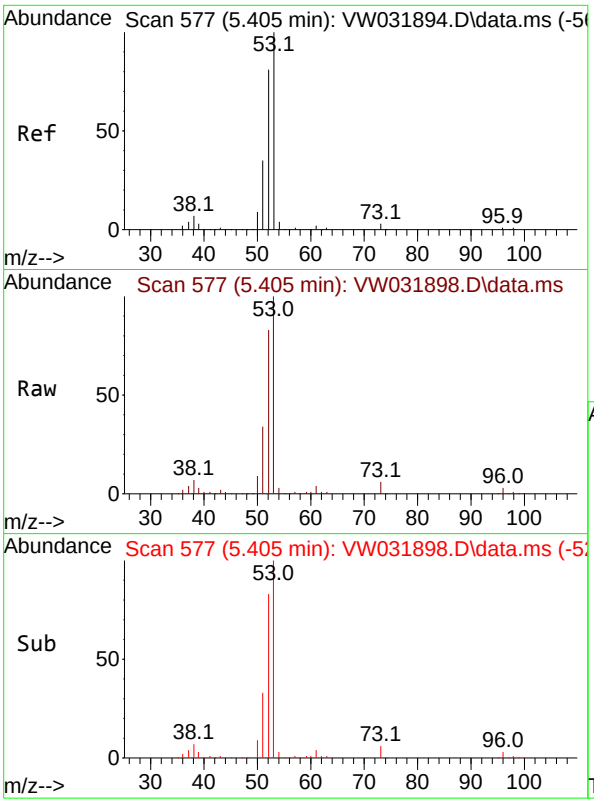


#14
Allyl chloride
Concen: 48.442 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 41 Resp: 227478

Ion	Ratio	Lower	Upper
41	100		
39	69.7	56.6	85.0
76	37.8	30.1	45.1





#15
Acrylonitrile
Concen: 252.071 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

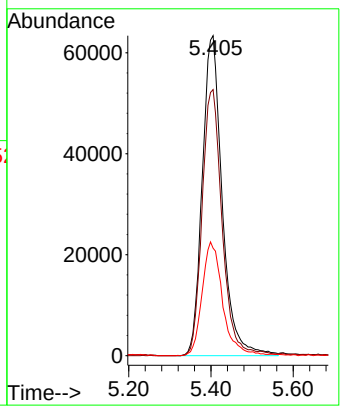
Tgt Ion: 53 Resp: 21374

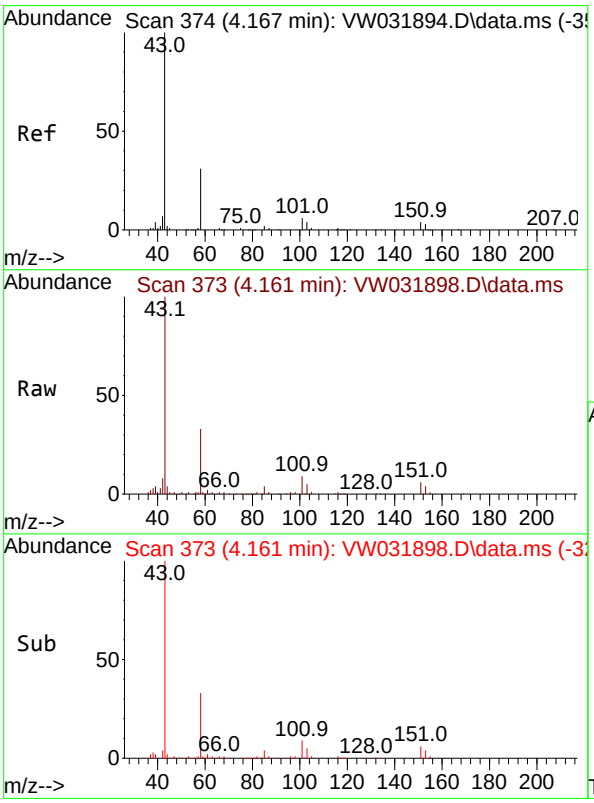
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	36.6	29.9	44.9

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

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Supervised By :Mahesh Dadoda 07/24/2025

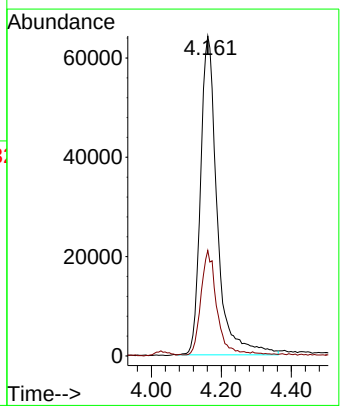


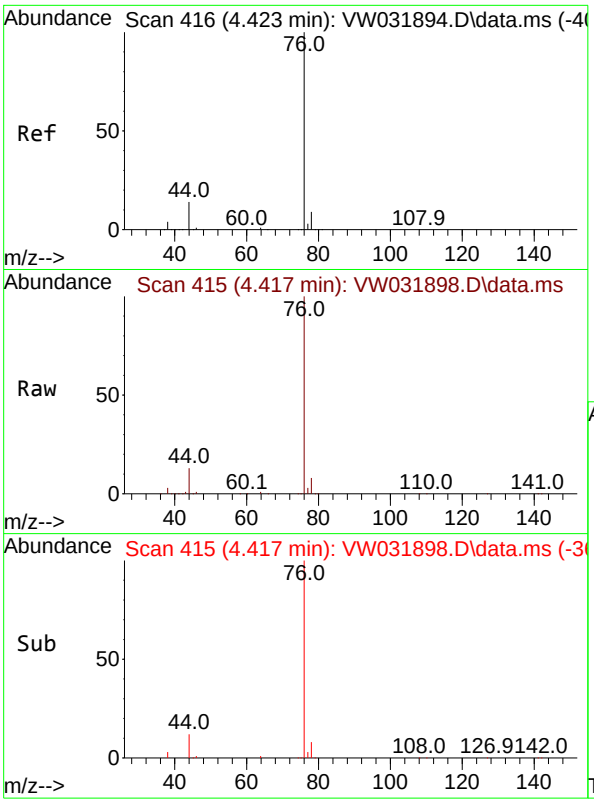


#16
Acetone
Concen: 261.441 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 212311

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.5	38.3





#17
Carbon Disulfide
Concen: 49.063 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

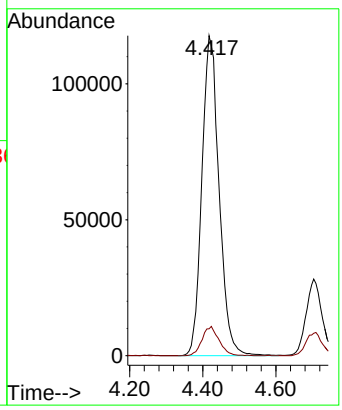
Tgt Ion: 76 Resp: 38383

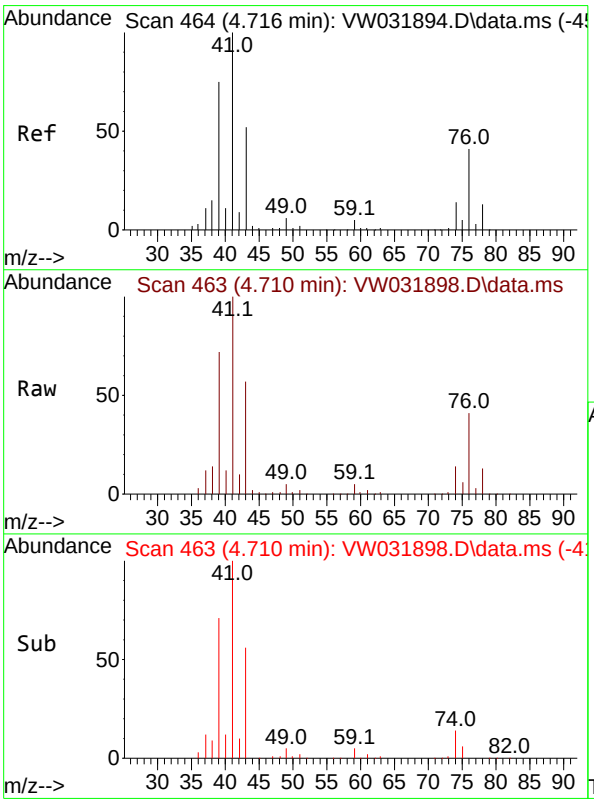
Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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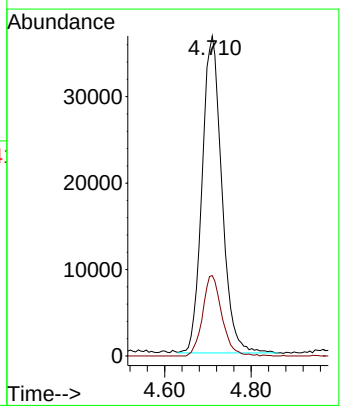


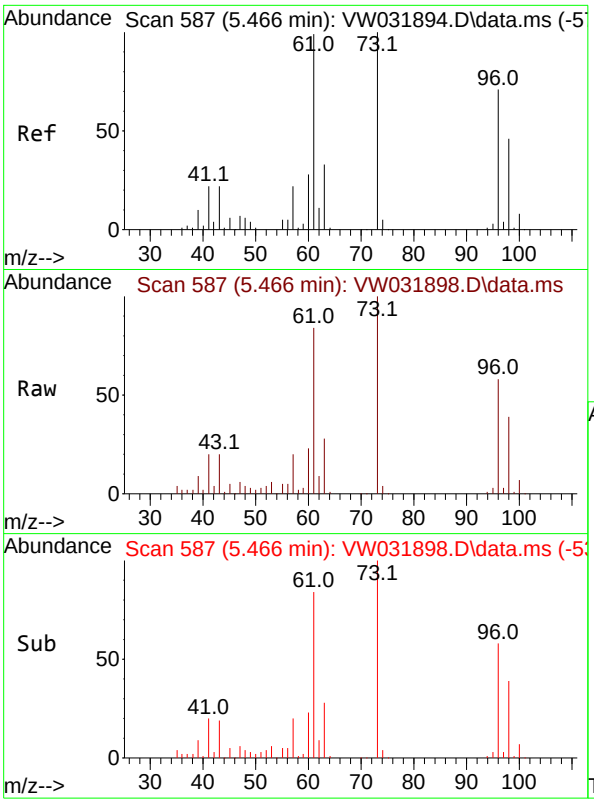


#18
Methyl Acetate
Concen: 51.889 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 116092

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.6	31.0

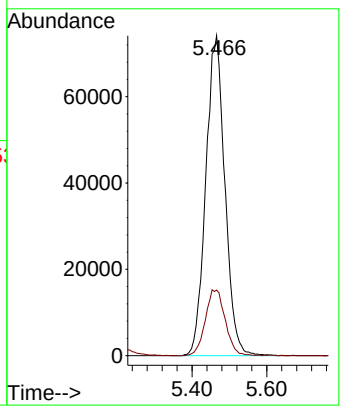




#19
Methyl tert-butyl Ether
Concen: 50.308 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 73 Resp: 26220

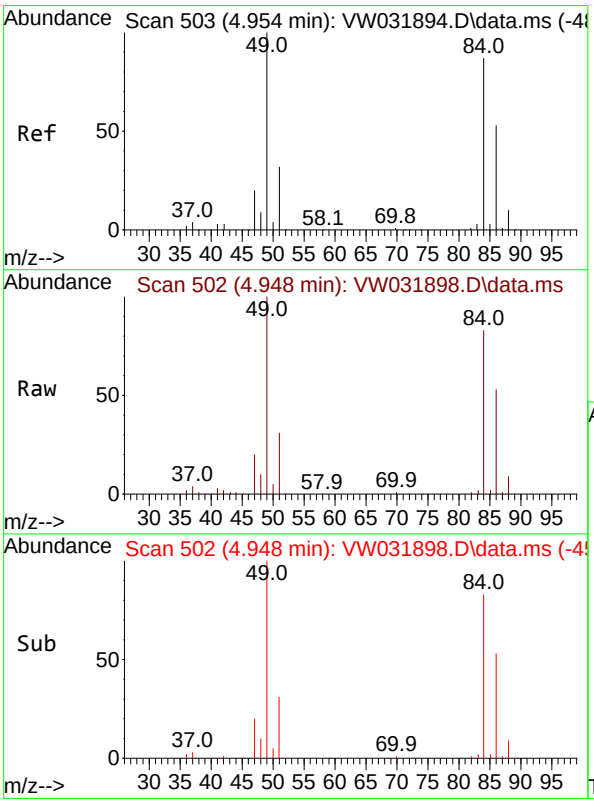
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

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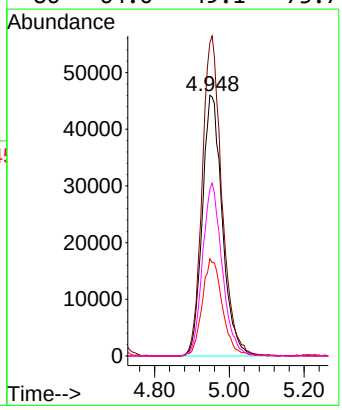
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

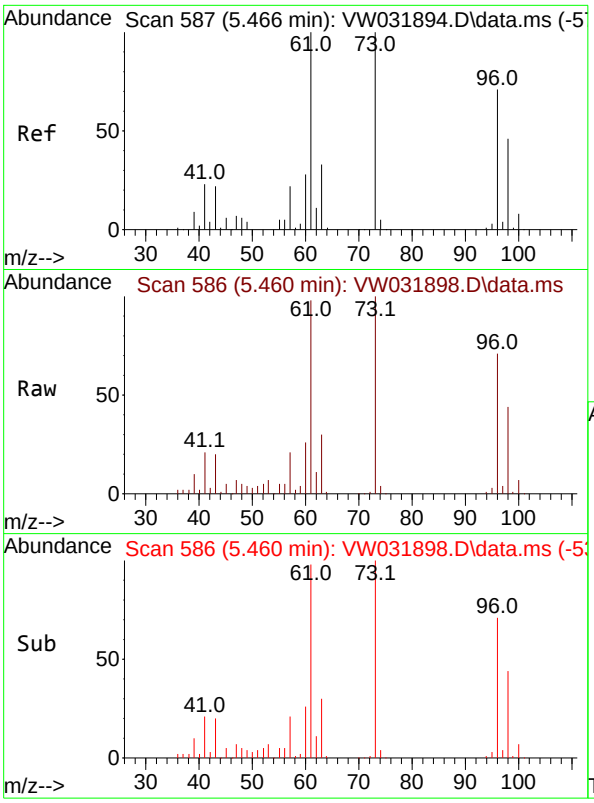


#20
Methylene Chloride
Concen: 49.004 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 84 Resp: 170521

Ion	Ratio	Lower	Upper
84	100		
49	120.2	91.9	137.9
51	37.4	29.0	43.6
86	64.0	49.1	73.7

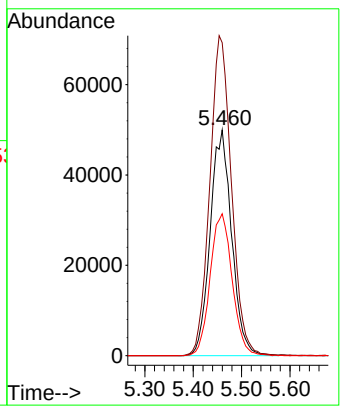




#21
trans-1,2-Dichloroethene
Concen: 48.220 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 96 Resp: 15432

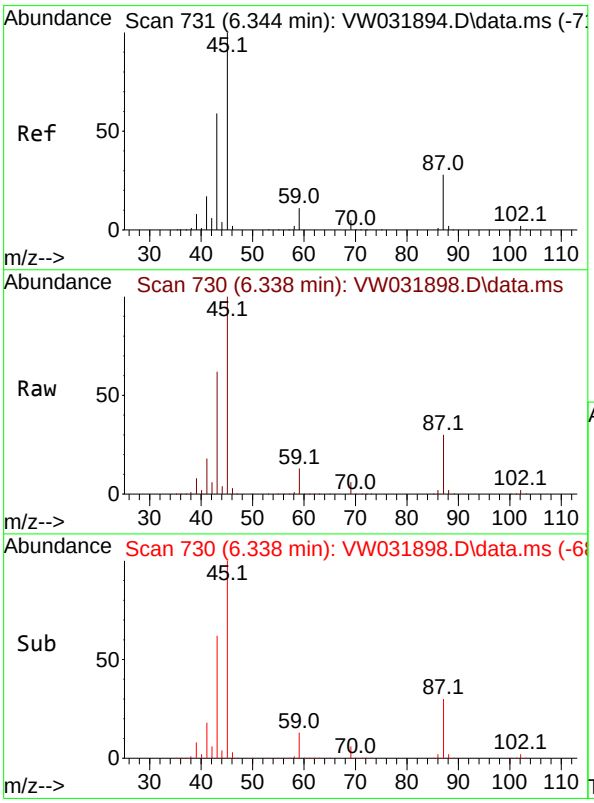
Ion	Ratio	Lower	Upper
96	100		
61	138.6	112.8	169.2
98	62.9	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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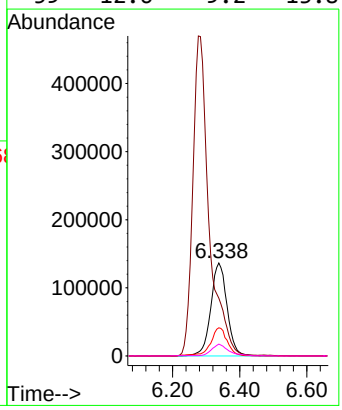
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

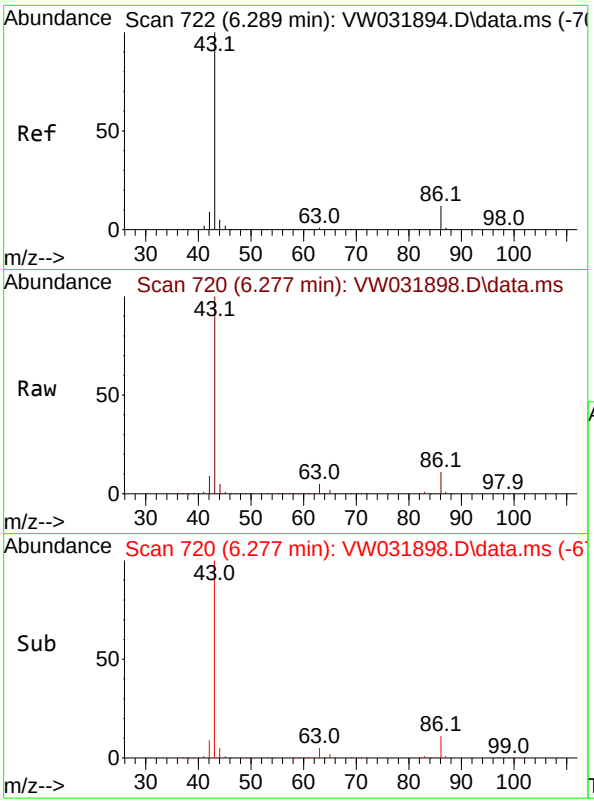


#22
Diisopropyl ether
Concen: 48.814 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 45 Resp: 458677

Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.0	70.6
87	30.2	22.8	34.2
59	12.6	9.2	13.8





#23
Vinyl Acetate
Concen: 257.536 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

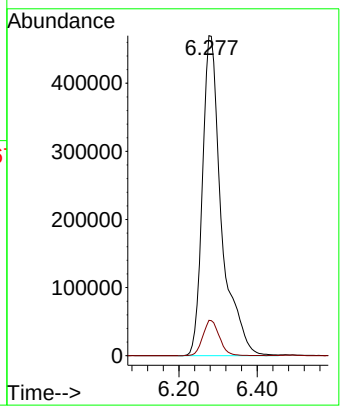
Tgt Ion: 43 Resp: 158096

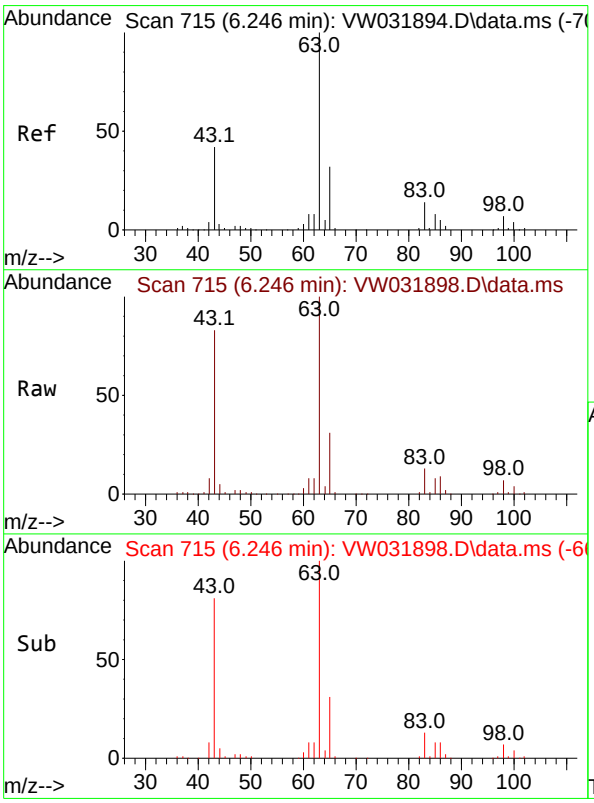
Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

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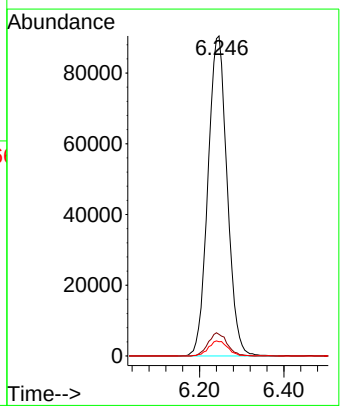


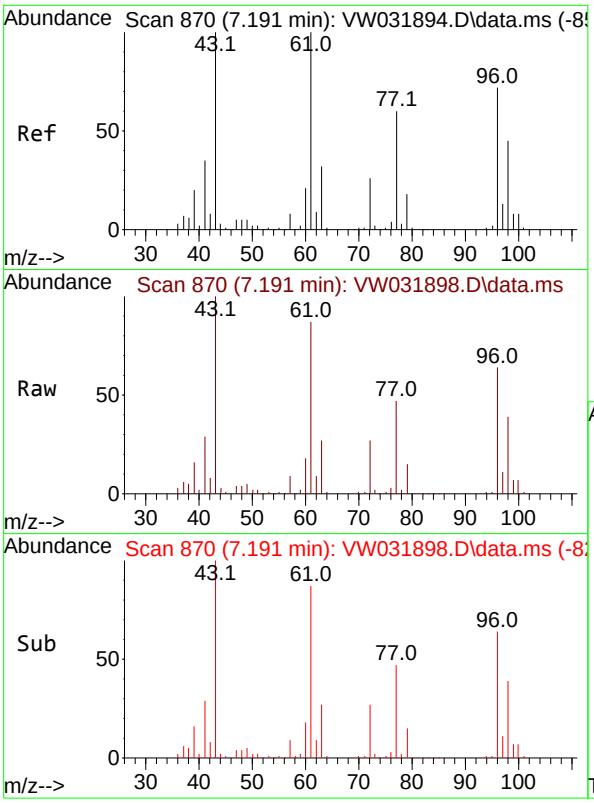


#24
1,1-Dichloroethane
Concen: 48.848 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 63 Resp: 285778

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.9
100	4.5	2.2	6.6





#25
2-Butanone
Concen: 266.207 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

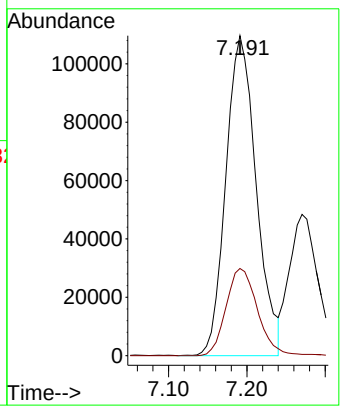
Tgt Ion: 43 Resp: 29578

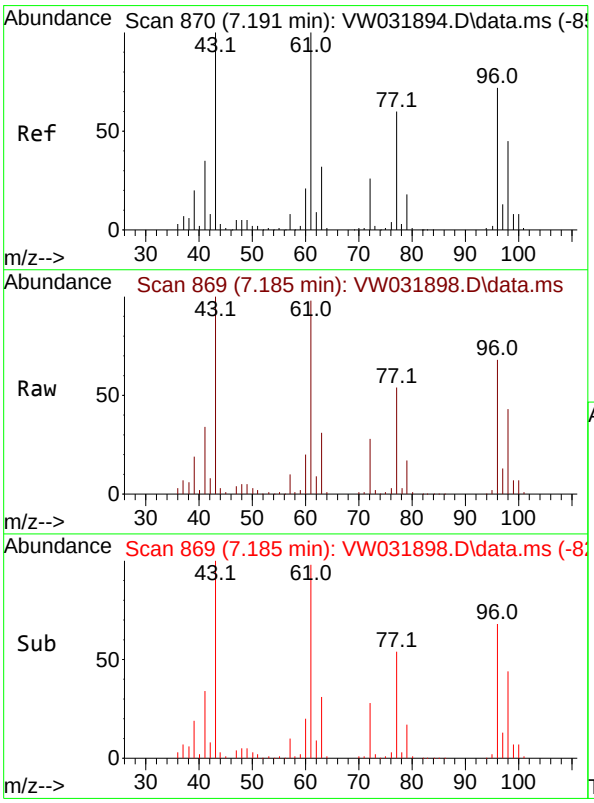
Ion	Ratio	Lower	Upper
43	100		
72	27.3	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

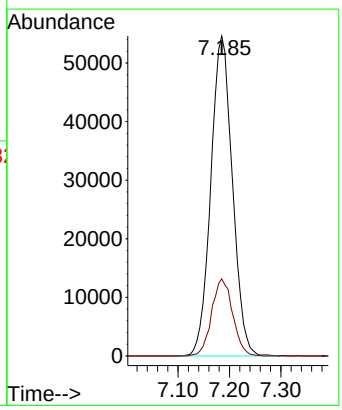


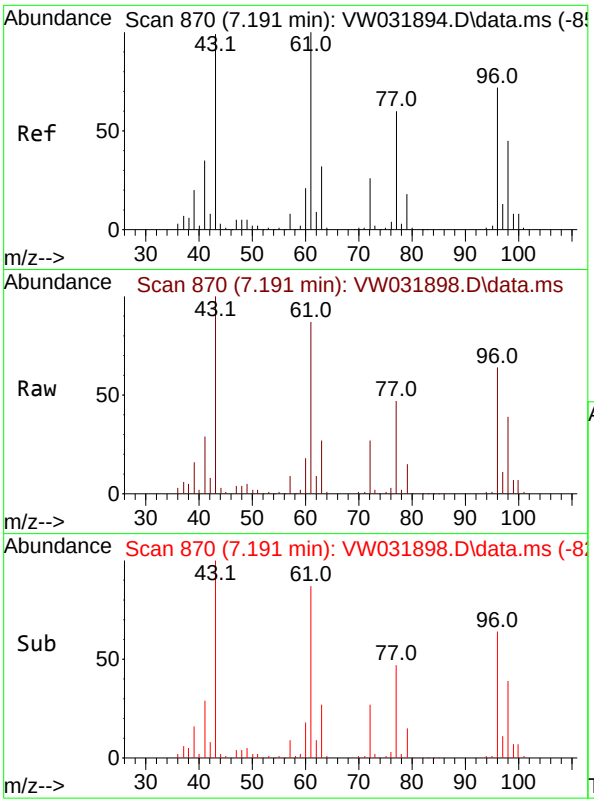


#26
2,2-Dichloropropane
Concen: 48.135 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 77 Resp: 159426

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.4	34.1

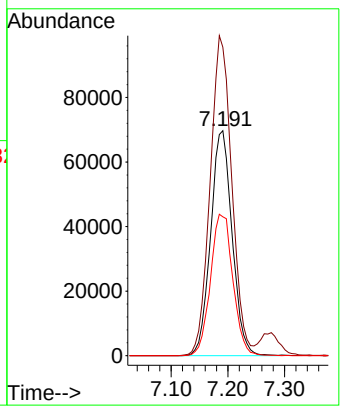




#27
cis-1,2-Dichloroethene
Concen: 48.747 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 96 Resp: 18341

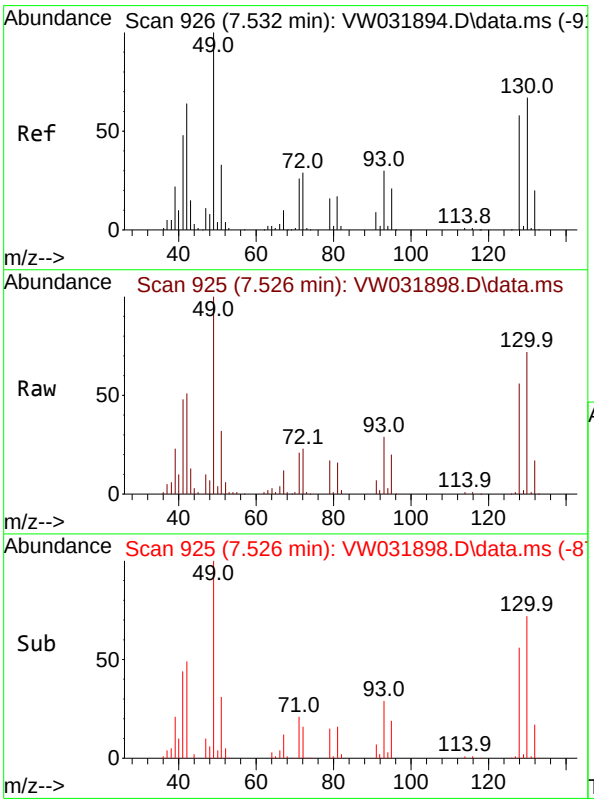
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	280.2
98	65.5	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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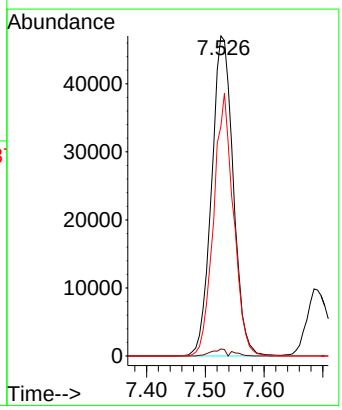
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

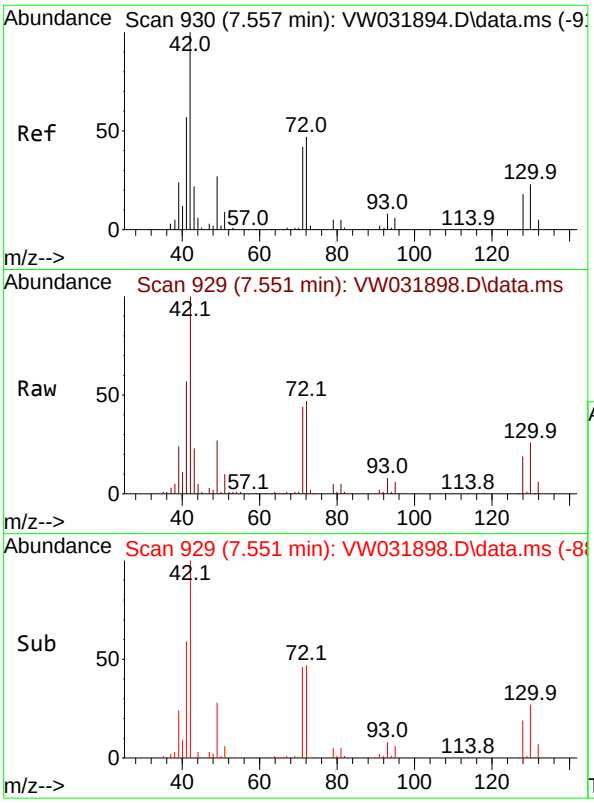


#28
Bromochloromethane
Concen: 49.115 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 49 Resp: 120307

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	75.3	59.0	88.4

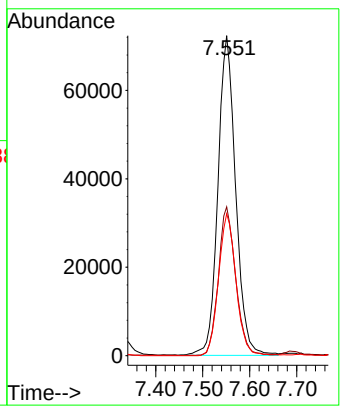




#29
Tetrahydrofuran
Concen: 260.591 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 42 Resp: 18983

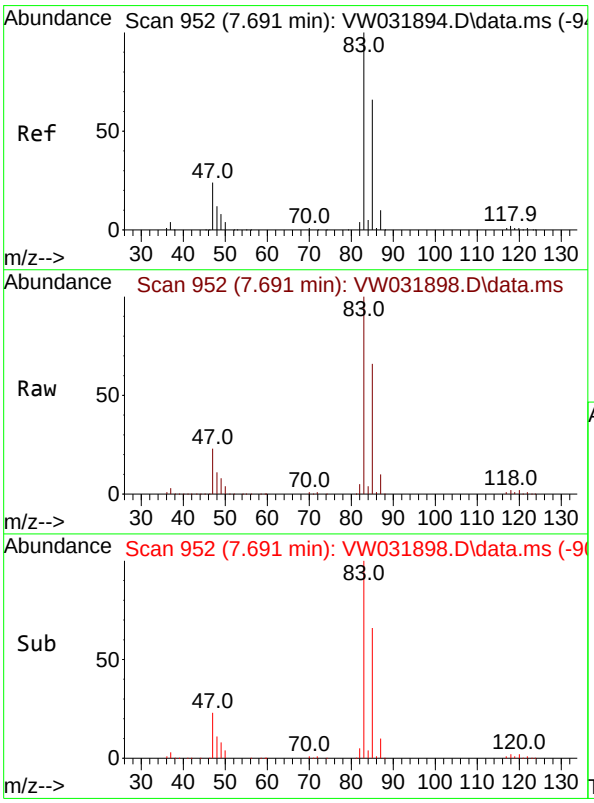
Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	43.7	34.5	51.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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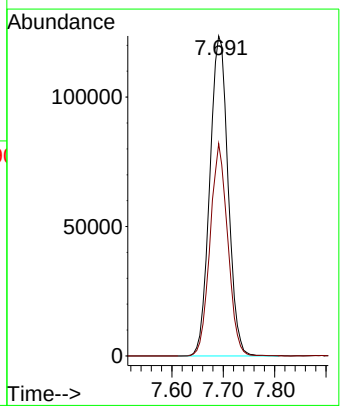
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

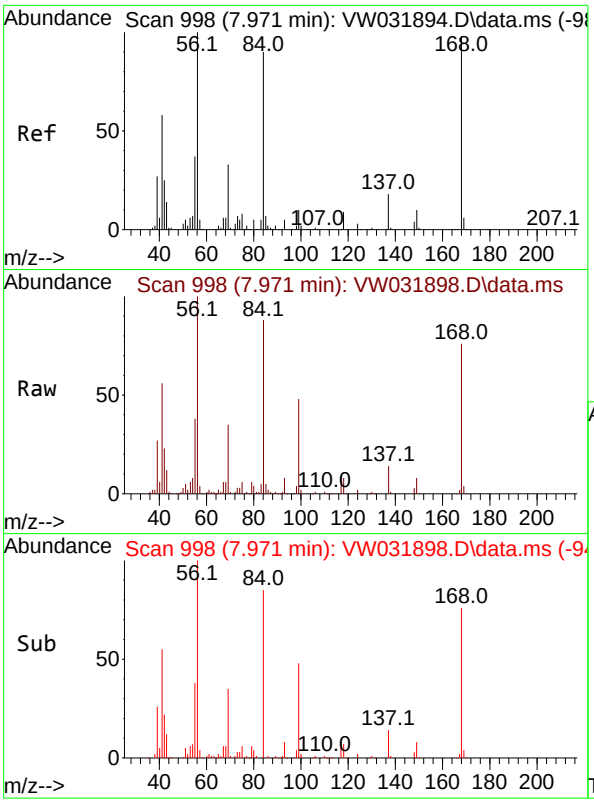


#30
Chloroform
Concen: 49.755 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 83 Resp: 305201

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8

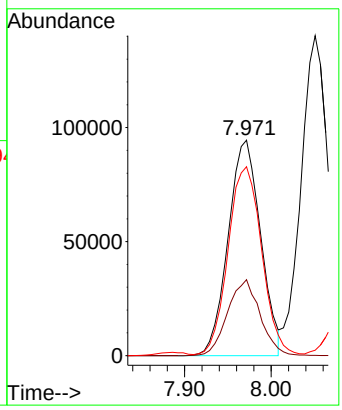




#31
Cyclohexane
Concen: 46.897 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 56 Resp: 24614

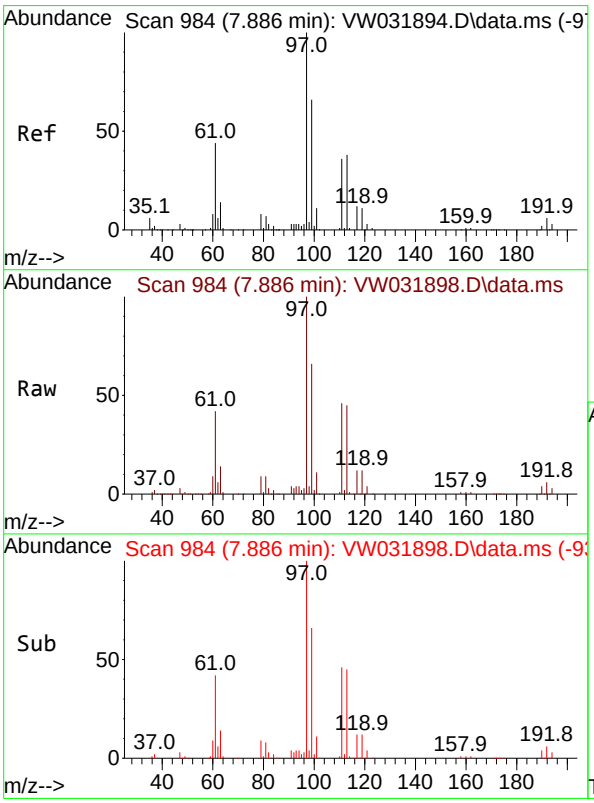
Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.7	40.1
84	86.3	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

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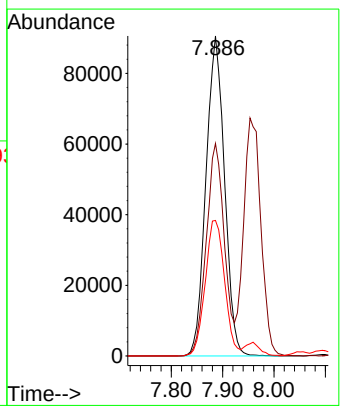
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

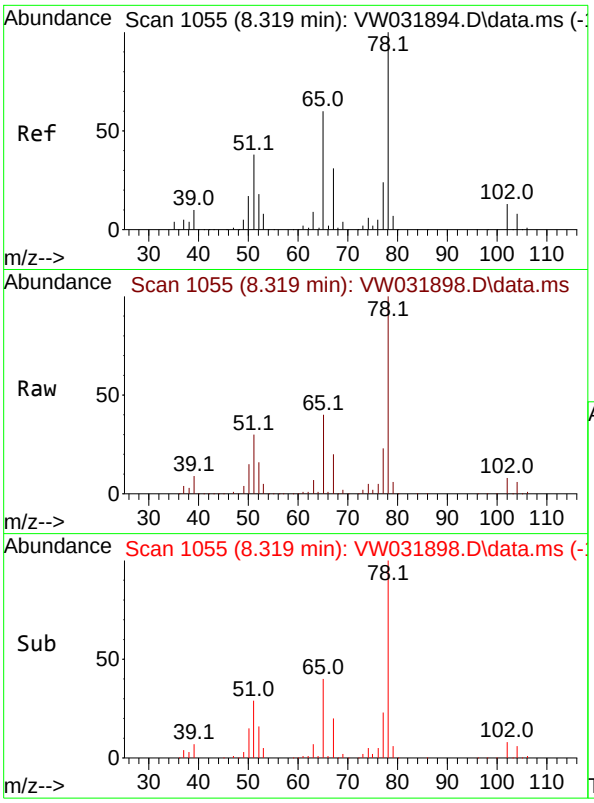


#32
1,1,1-Trichloroethane
Concen: 48.687 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 97 Resp: 227258

Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.0	79.4
61	44.3	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 45.275 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

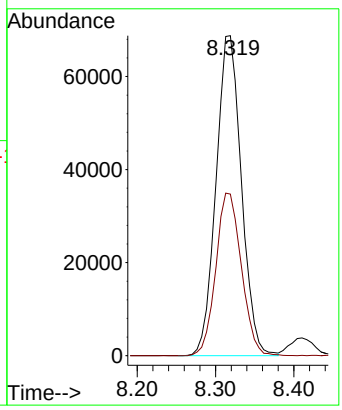
Tgt Ion: 65 Resp: 15494

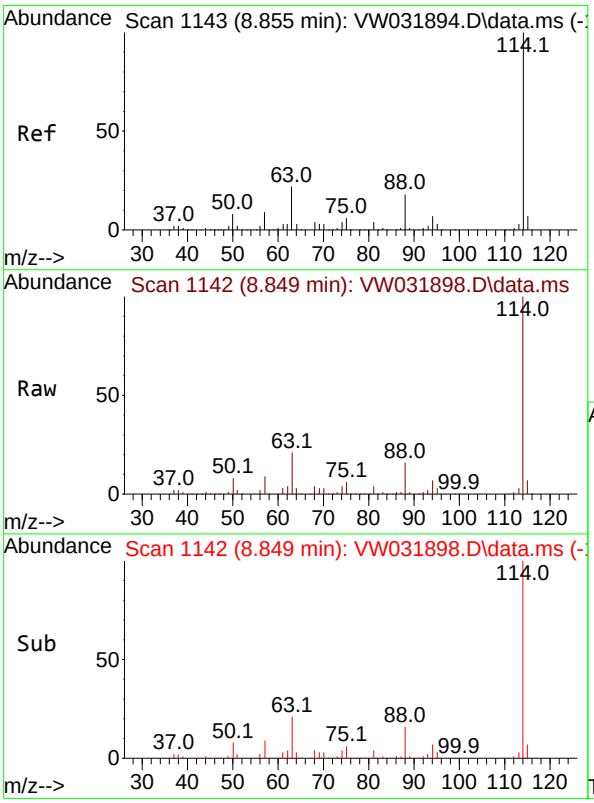
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

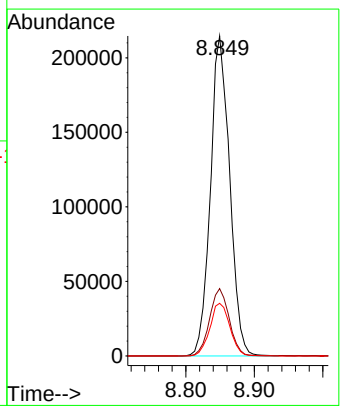


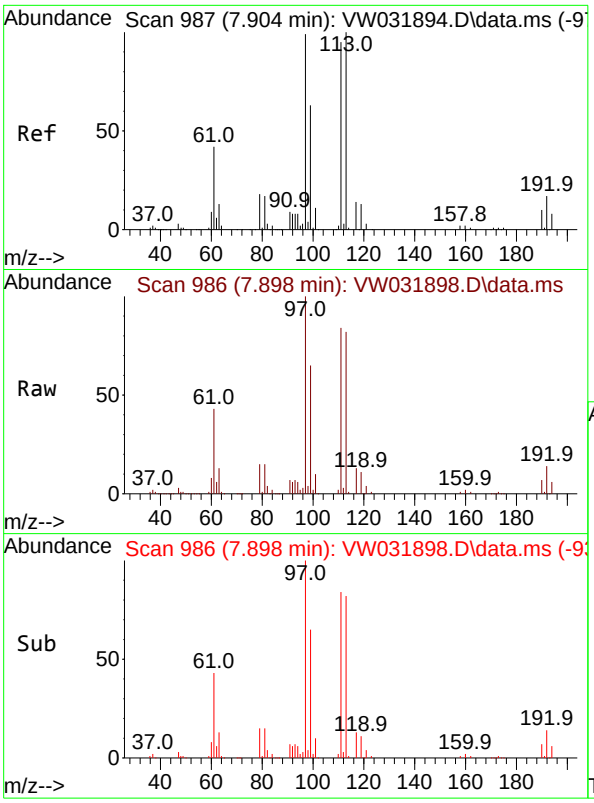


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:114 Resp: 417980

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	16.5	0.0	35.6

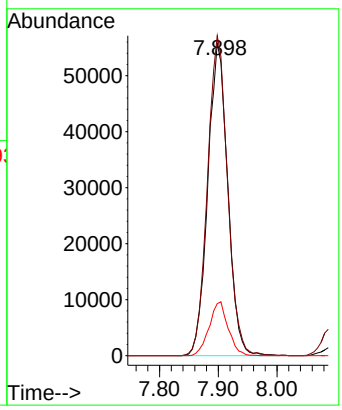




#35
Dibromofluoromethane
Concen: 46.294 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:113 Resp: 13148

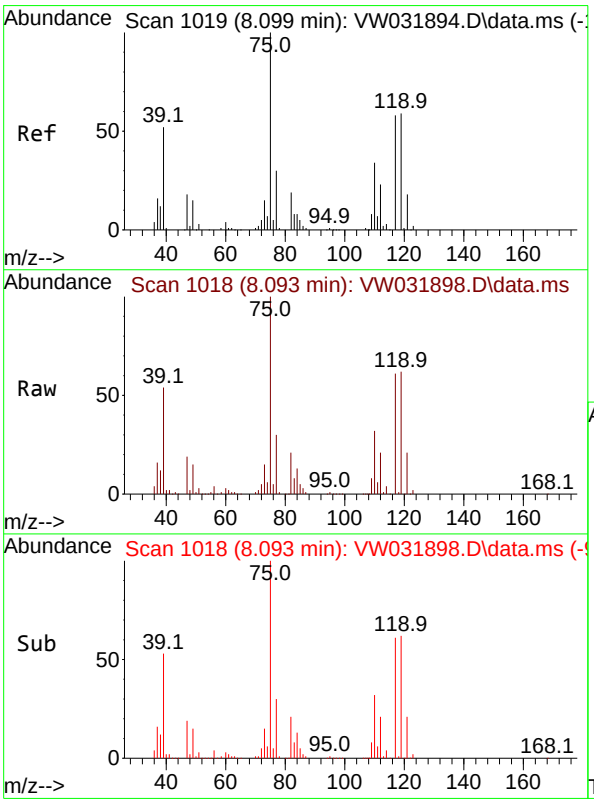
Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.9	119.9
192	16.4	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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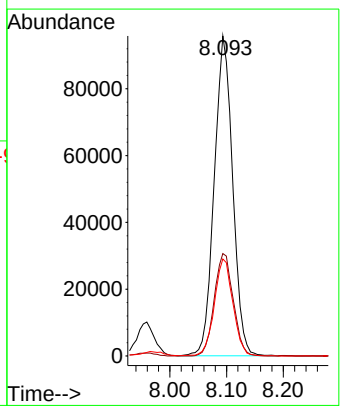
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

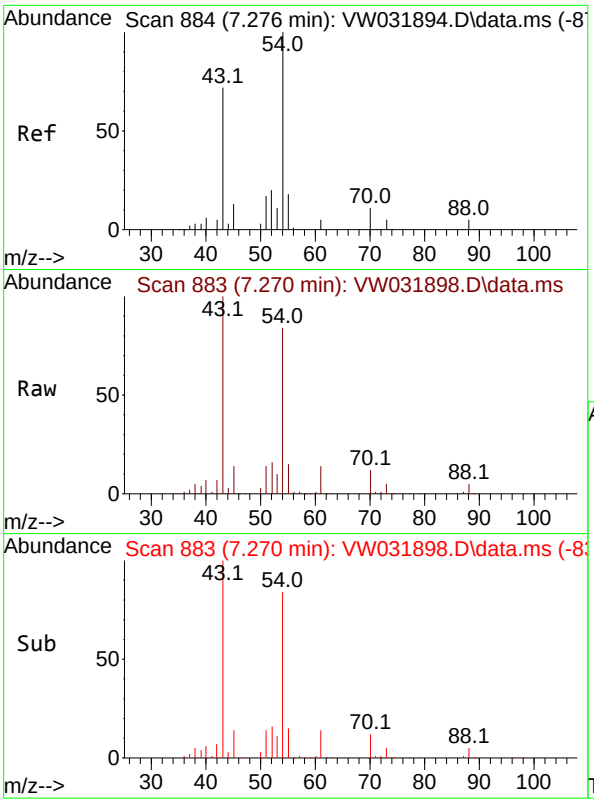


#36
1,1-Dichloropropene
Concen: 49.596 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 216329

Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.0	50.9
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 50.911 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

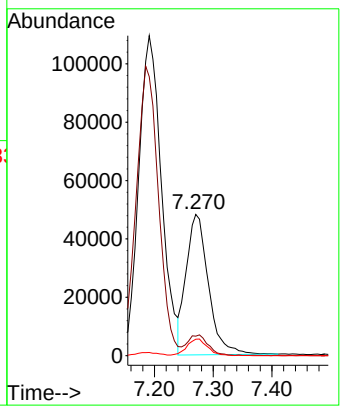
Tgt Ion: 43 Resp: 12667

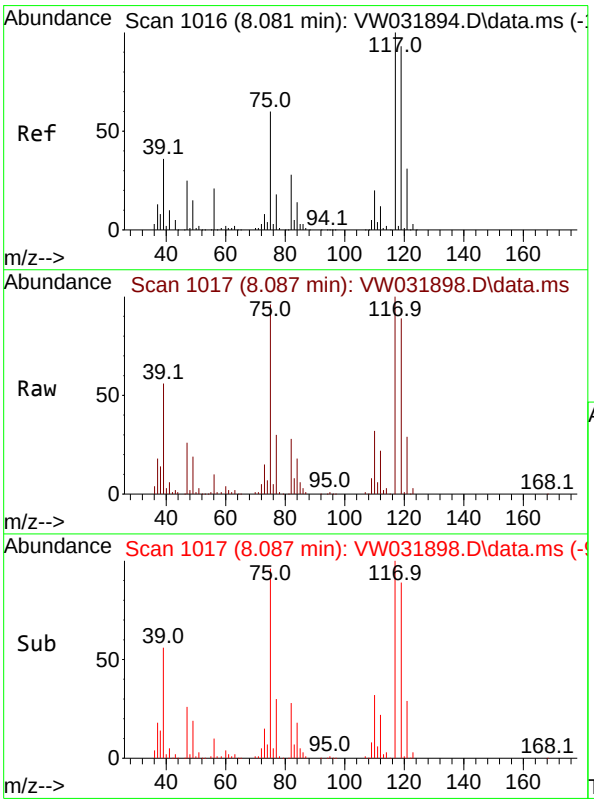
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	10.9	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

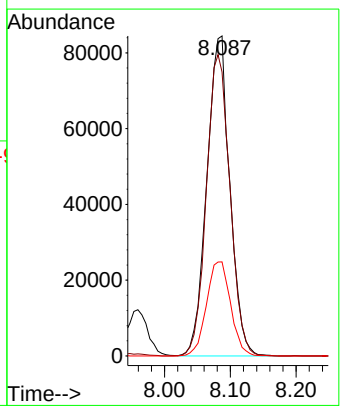


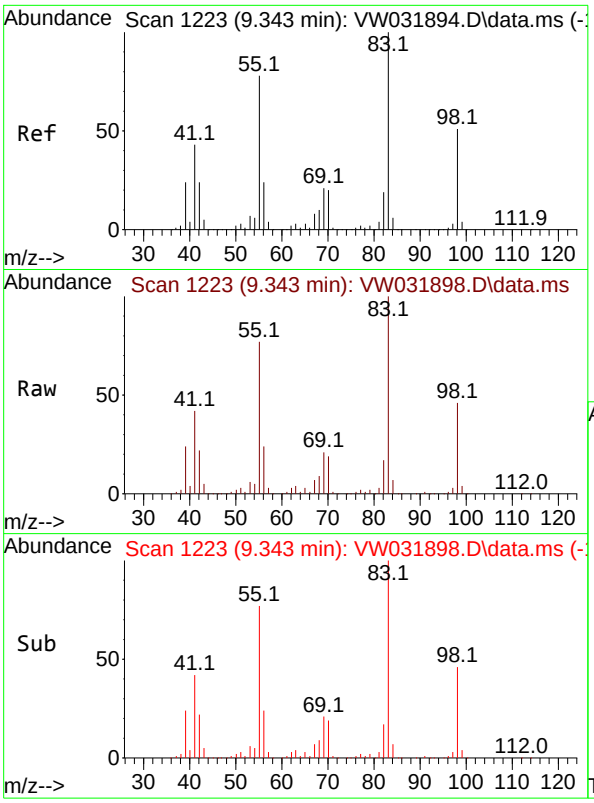


#38
Carbon Tetrachloride
Concen: 49.141 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:117 Resp: 205709

Ion	Ratio	Lower	Upper
117	100		
119	88.8	74.3	111.5
121	29.4	24.6	37.0

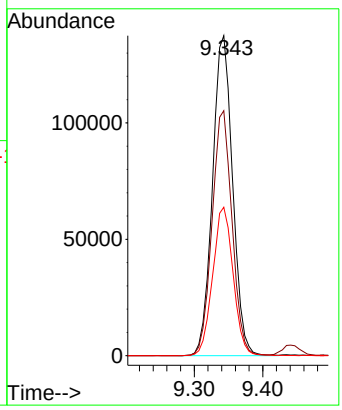




#39
Methylcyclohexane
Concen: 50.909 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 83 Resp: 27944

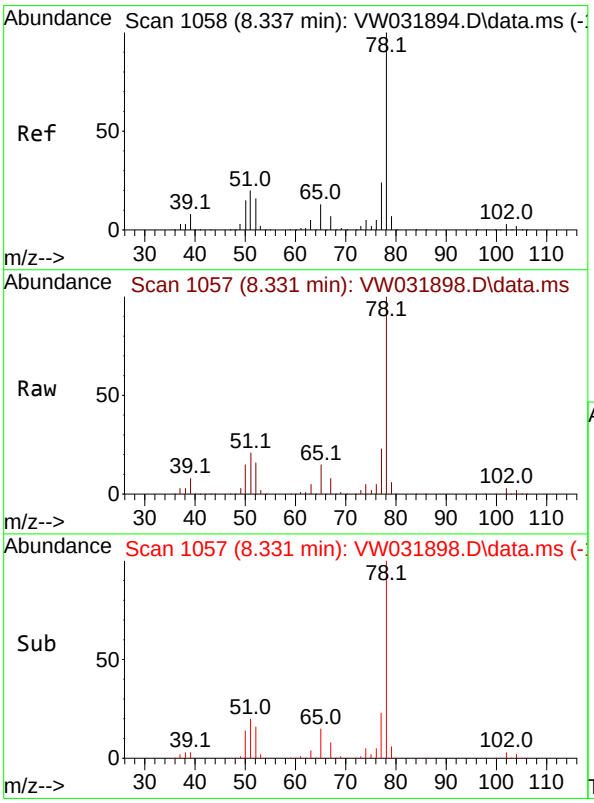
Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.5	93.7
98	46.4	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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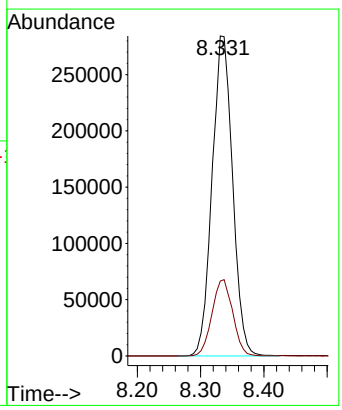
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

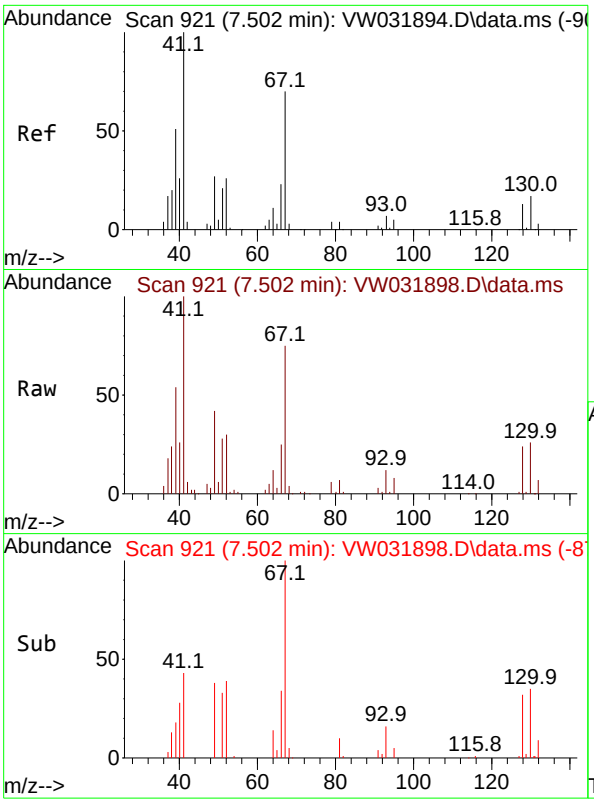


#40
Benzene
Concen: 49.422 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 78 Resp: 638121

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9

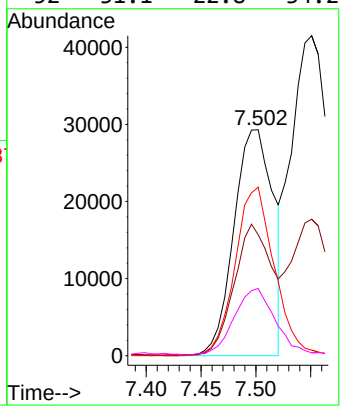




#41
Methacrylonitrile
Concen: 49.252 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 41 Resp: 7336

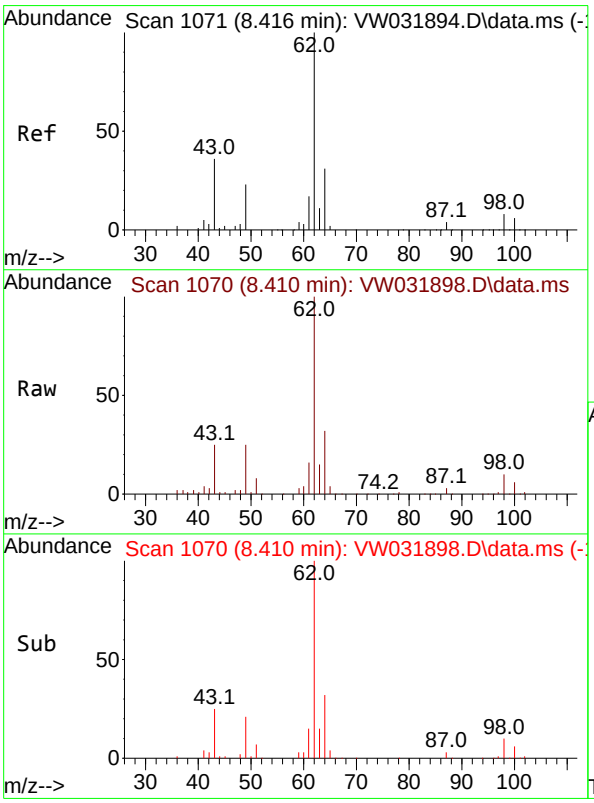
Ion	Ratio	Lower	Upper
41	100		
39	54.9	41.1	61.7
67	74.6	56.2	84.4
52	31.1	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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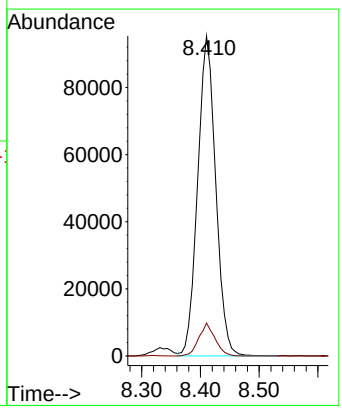
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

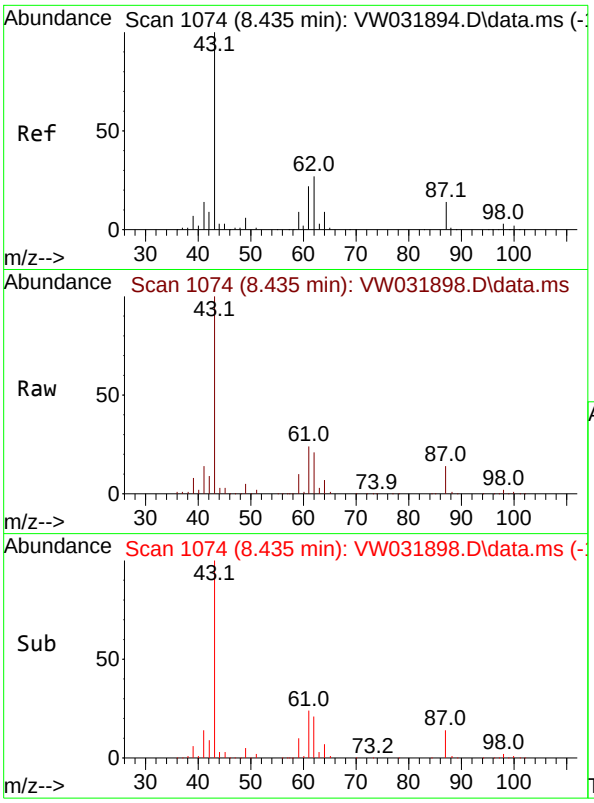


#42
1,2-Dichloroethane
Concen: 49.242 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 62 Resp: 203485

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 51.748 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

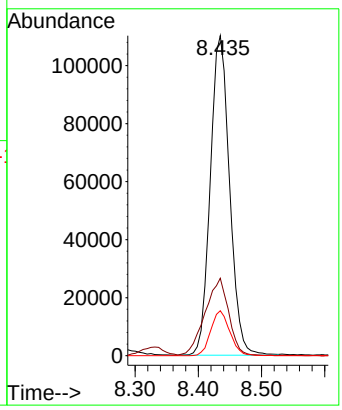
Tgt Ion: 43 Resp: 23310

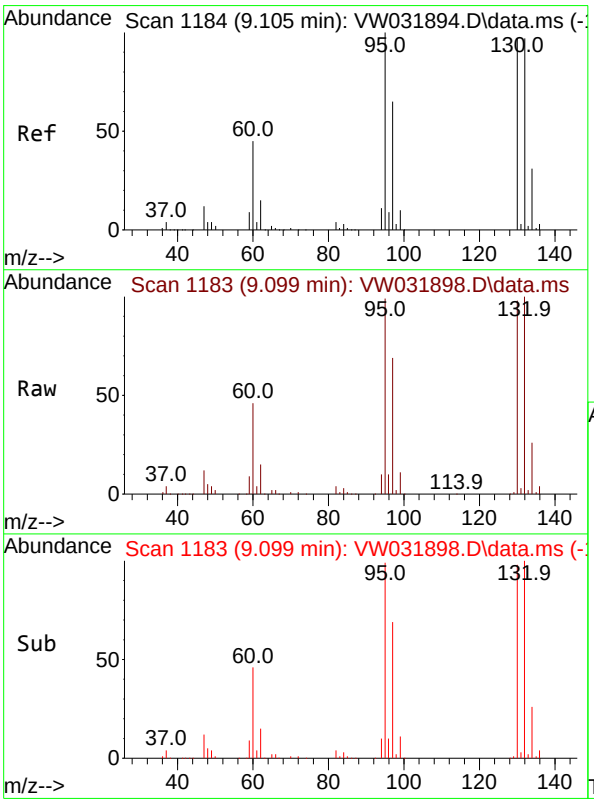
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	13.9	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

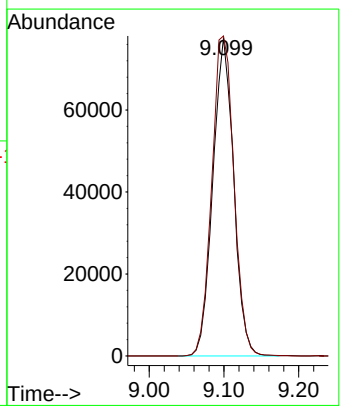


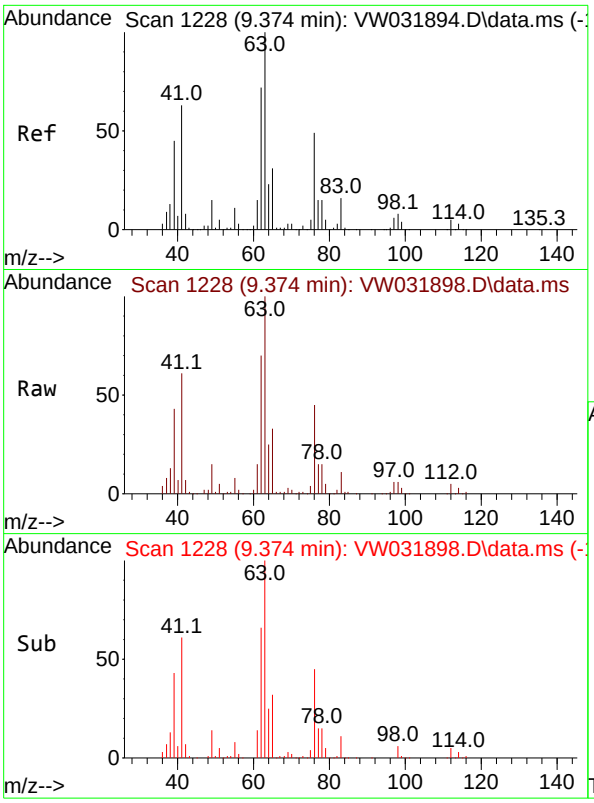


#44
Trichloroethene
Concen: 48.996 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:130 Resp: 150370

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.4





#45
1,2-Dichloropropane
Concen: 48.855 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

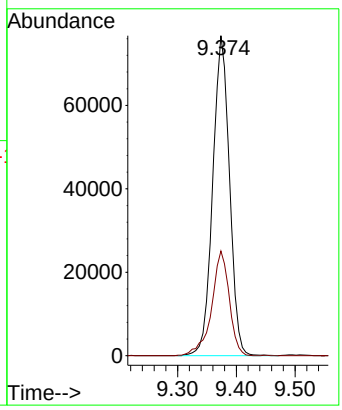
Tgt Ion: 63 Resp: 15192

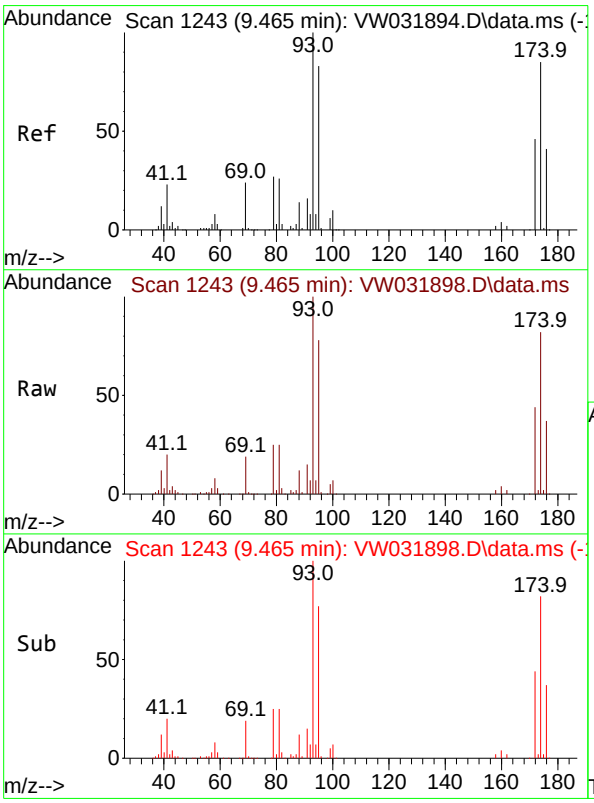
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

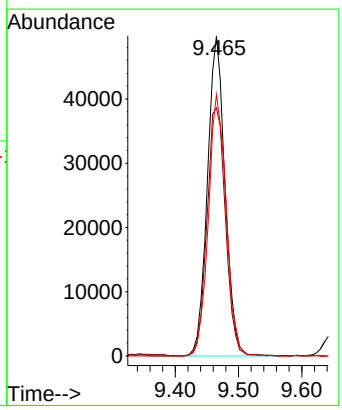


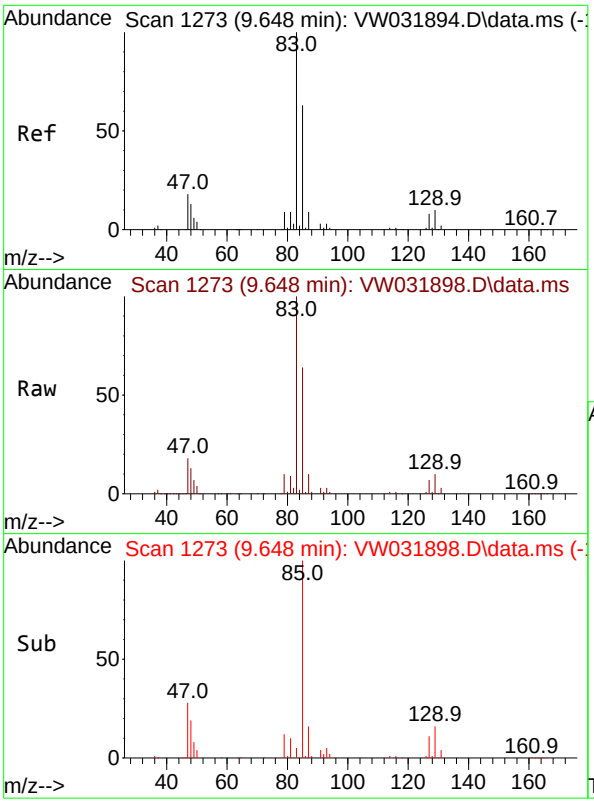


#46
Dibromomethane
Concen: 49.959 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 93 Resp: 96302

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.6
174	82.8	70.2	105.2

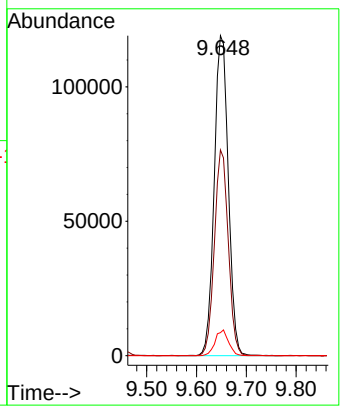




#47
Bromodichloromethane
Concen: 50.465 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 83 Resp: 23326

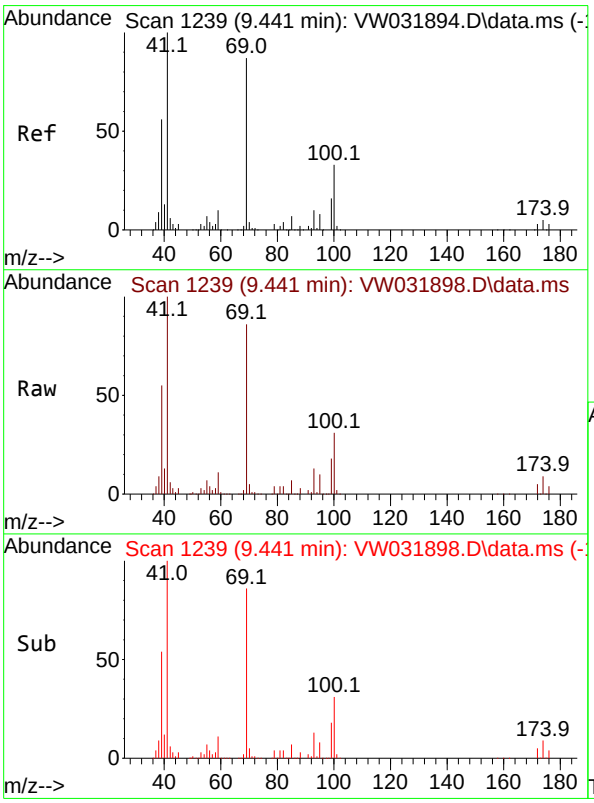
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	7.2	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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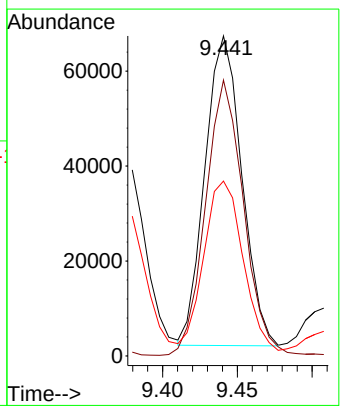
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

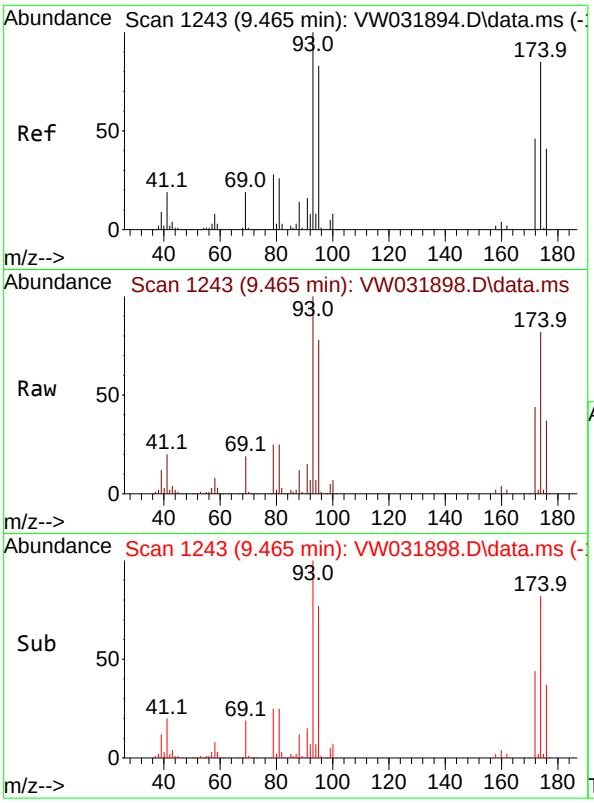


#48
Methyl methacrylate
Concen: 52.150 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 41 Resp: 111759

Ion	Ratio	Lower	Upper
41	100		
69	92.4	73.6	110.4
39	57.4	45.5	68.3

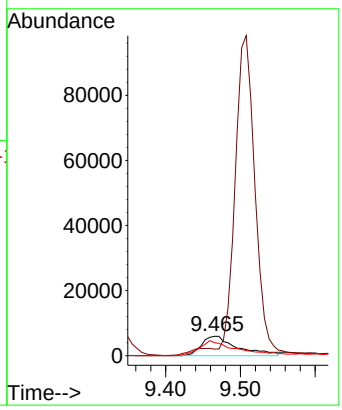




#49
1,4-Dioxane
Concen: 1044.021 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 88 Resp: 2008

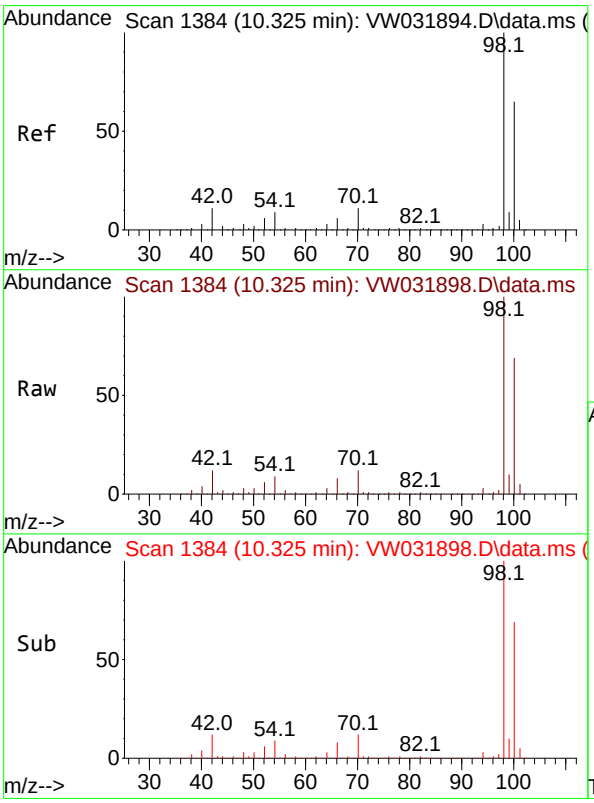
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	80.8	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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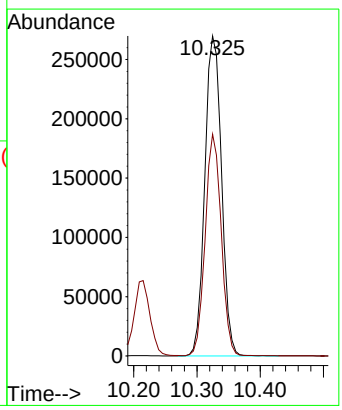
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

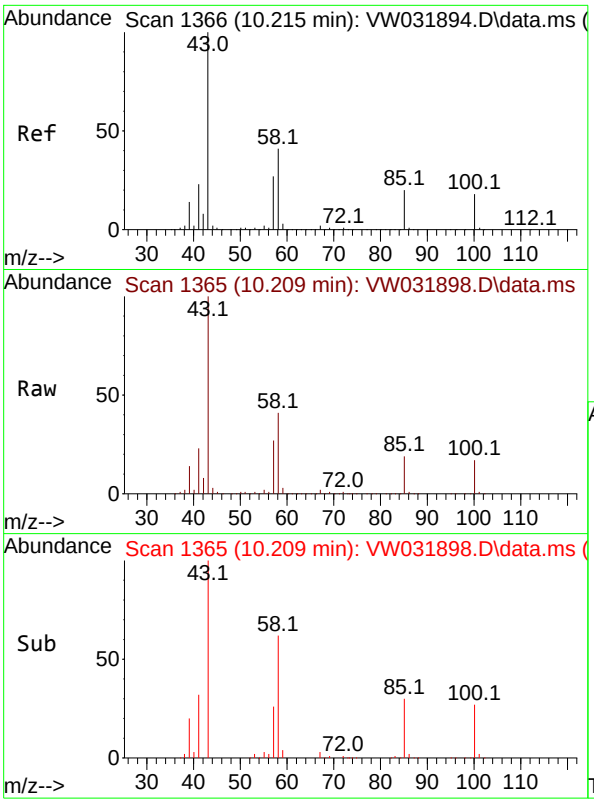


#50
Toluene-d8
Concen: 46.131 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 98 Resp: 495878

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 262.159 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

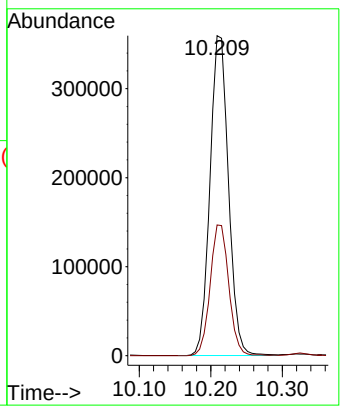
Tgt Ion: 43 Resp: 64627

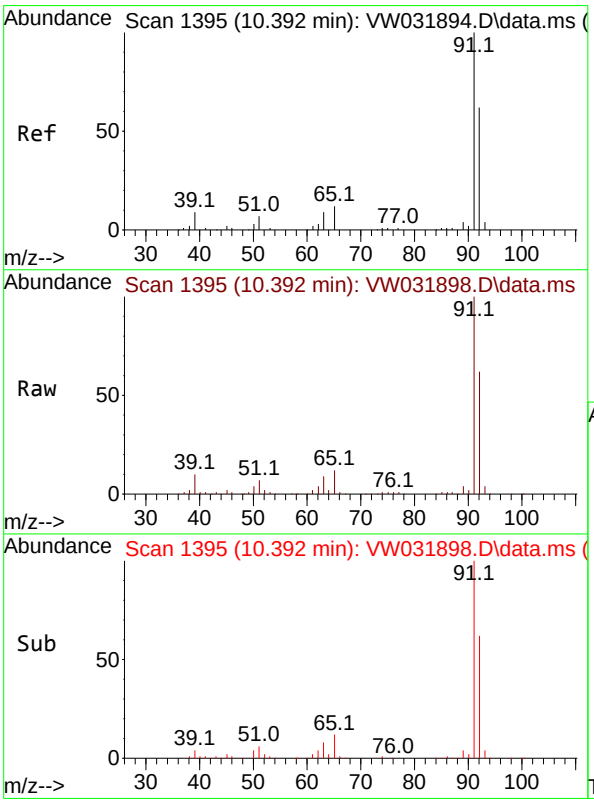
Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

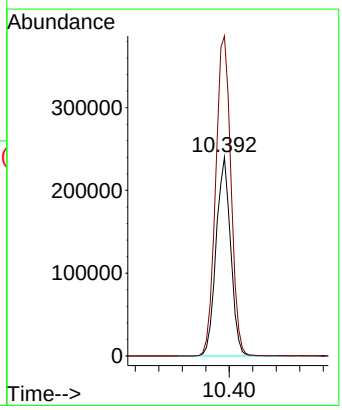


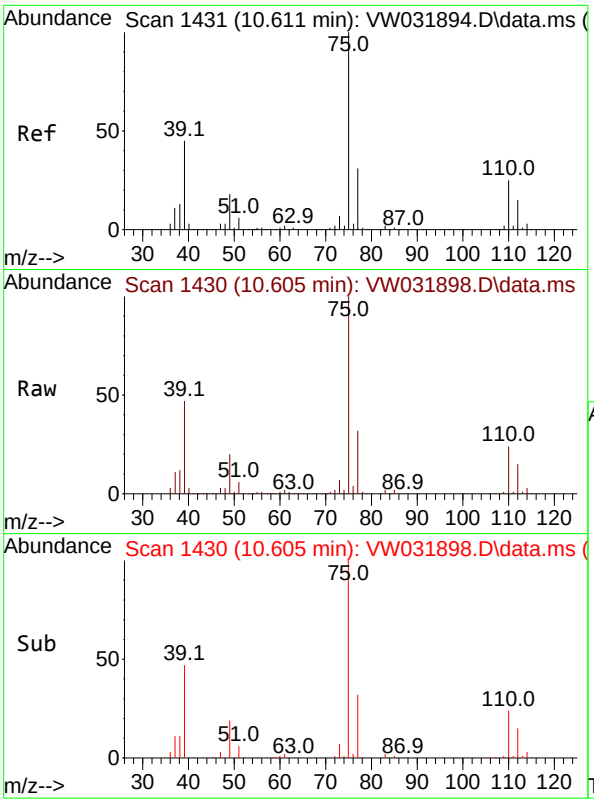


#52
Toluene
Concen: 49.520 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 92 Resp: 411023

Ion	Ratio	Lower	Upper
92	100		
91	169.2	133.7	200.5

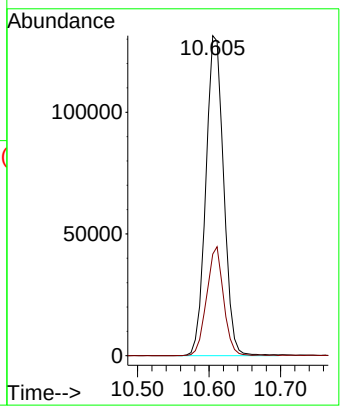




#53
t-1,3-Dichloropropene
Concen: 51.226 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 22713

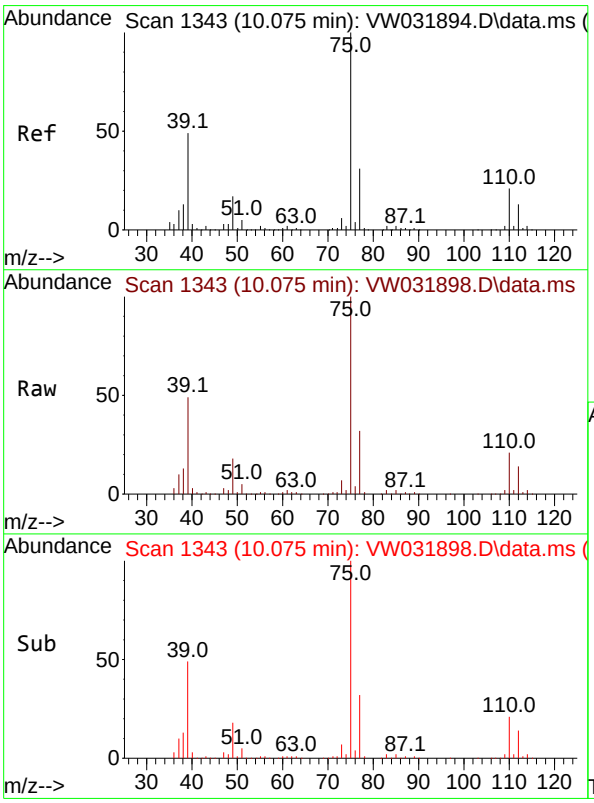
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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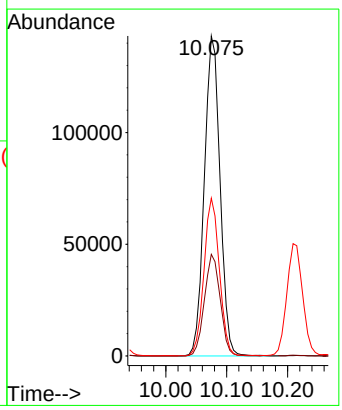
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

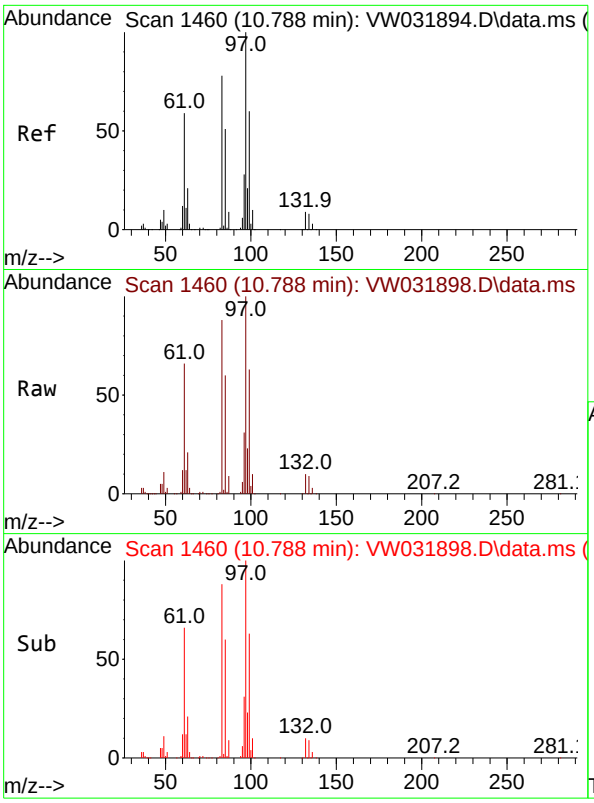


#54
cis-1,3-Dichloropropene
Concen: 50.715 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 256794

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	49.2	39.3	58.9

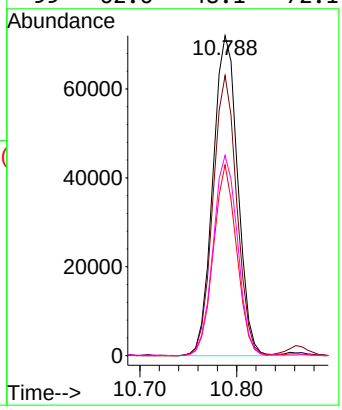




#55
1,1,2-Trichloroethane
Concen: 50.025 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 97 Resp: 12808

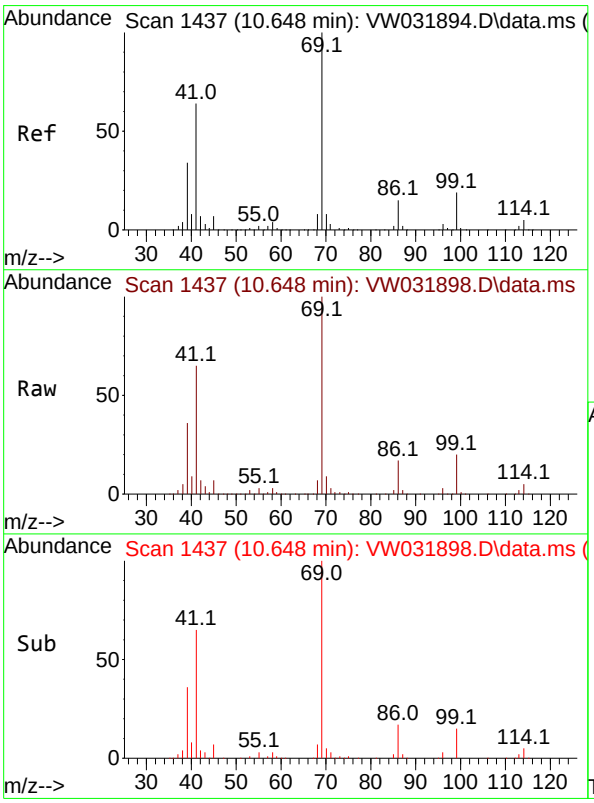
Ion	Ratio	Lower	Upper
97	100		
83	87.6	62.4	93.6
85	59.6	41.0	61.6
99	62.6	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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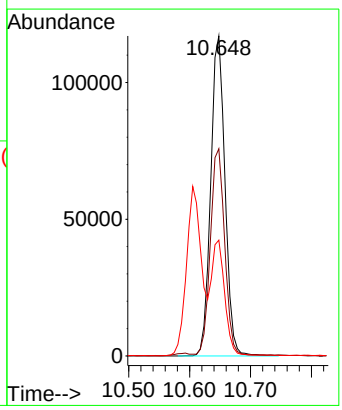
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

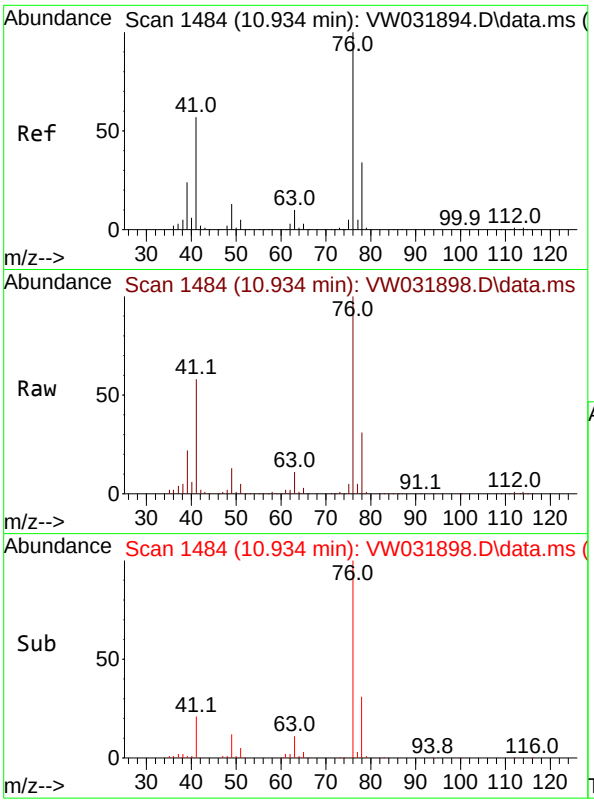


#56
Ethyl methacrylate
Concen: 52.748 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 69 Resp: 190747

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	32.7	26.6	40.0

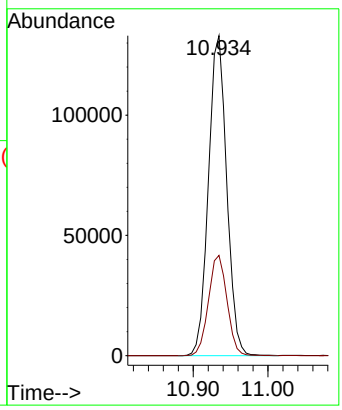




#57
1,3-Dichloropropane
Concen: 50.201 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 76 Resp: 22644

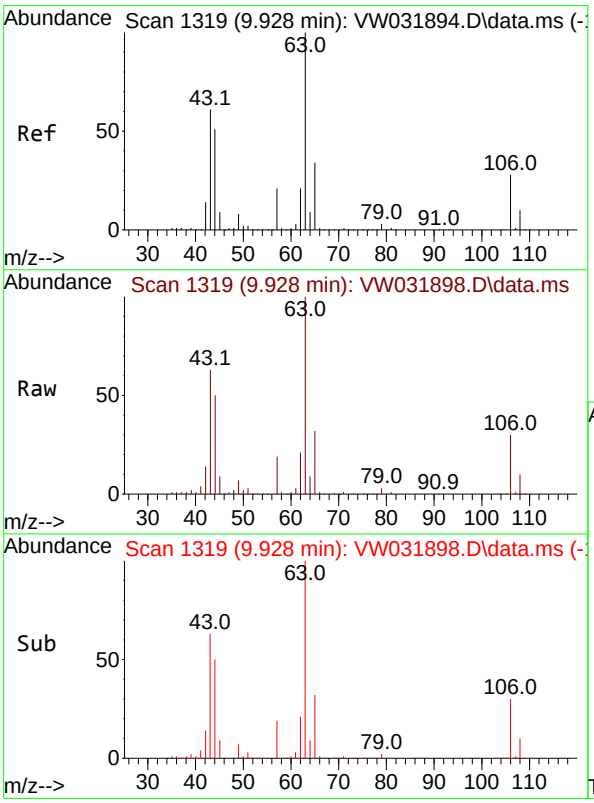
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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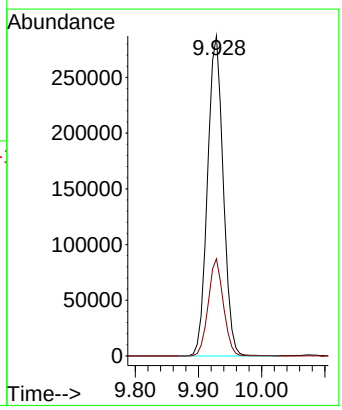
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

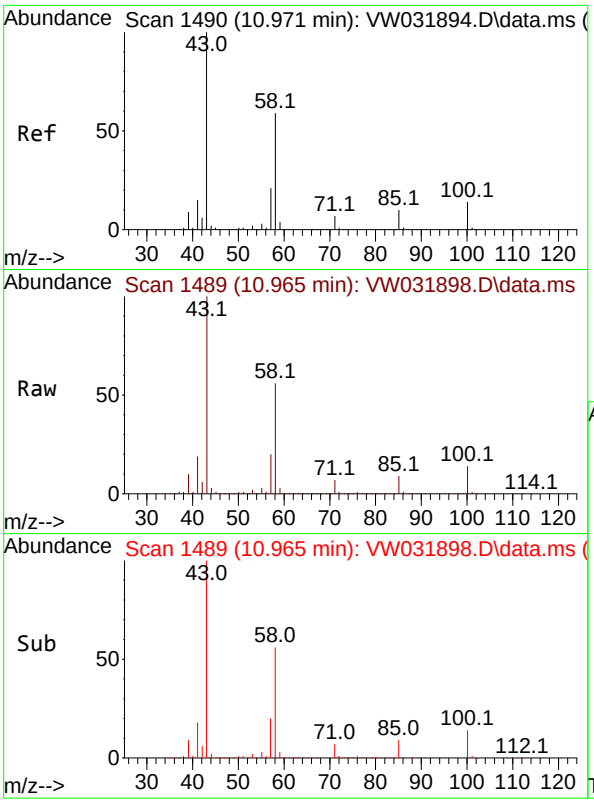


#58
2-Chloroethyl Vinyl ether
Concen: 266.689 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 63 Resp: 495366

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.7	34.1





#59
2-Hexanone
Concen: 270.260 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

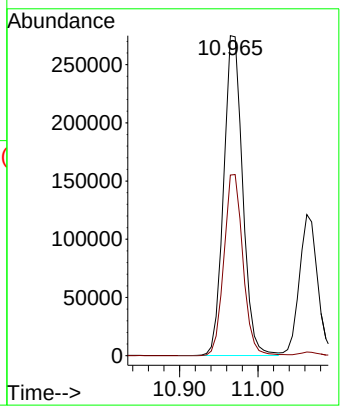
Tgt Ion: 43 Resp: 46310

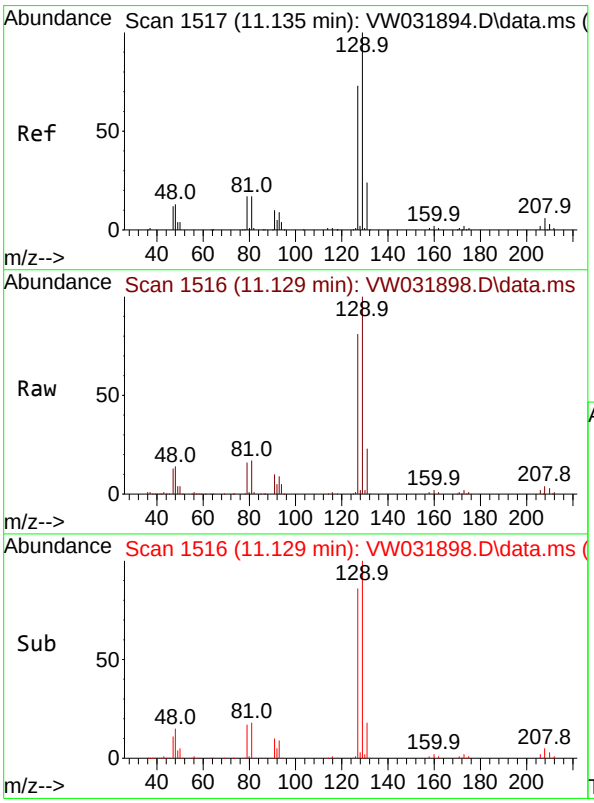
Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

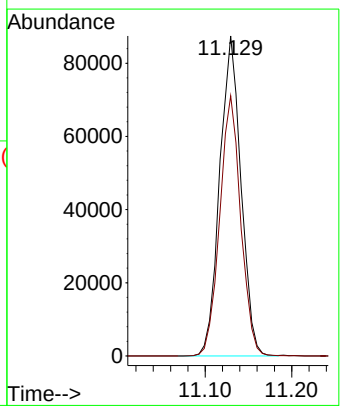


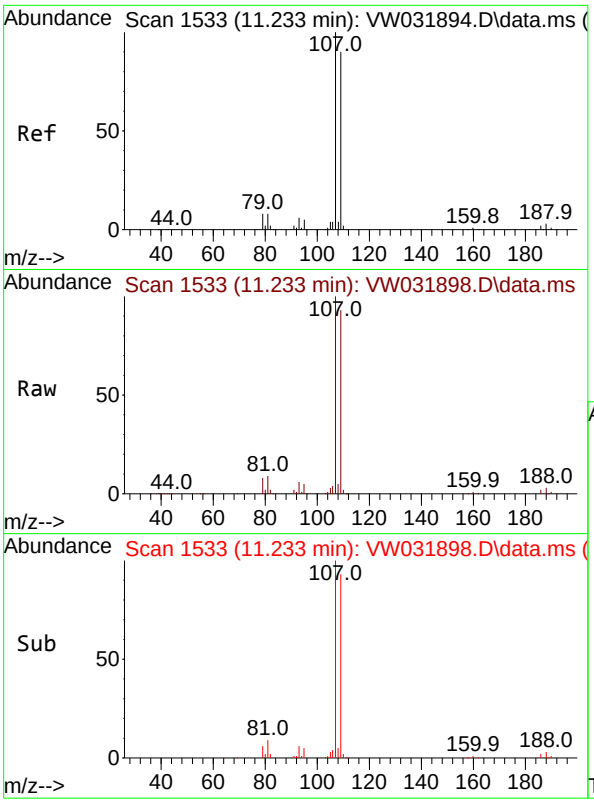


#60
Dibromochloromethane
Concen: 49.816 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:129 Resp: 148718

Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.6	118.8





#61
1,2-Dibromoethane
Concen: 49.410 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

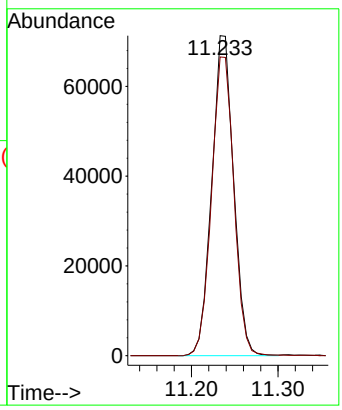
Tgt Ion:107 Resp: 12501

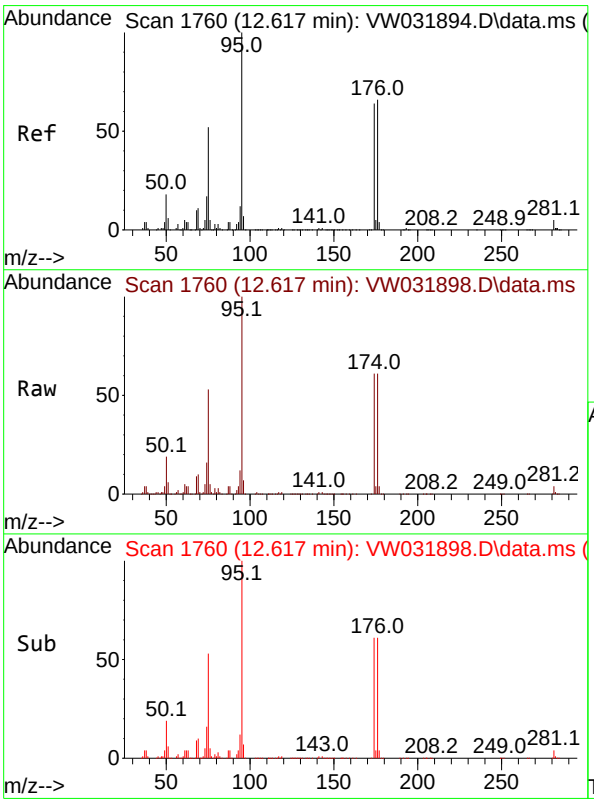
Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.2	111.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

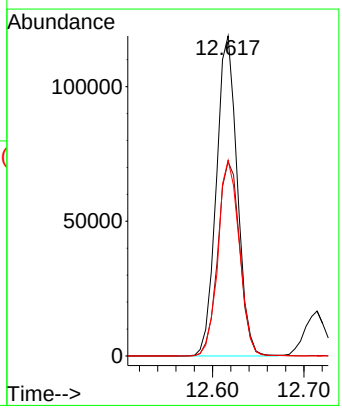


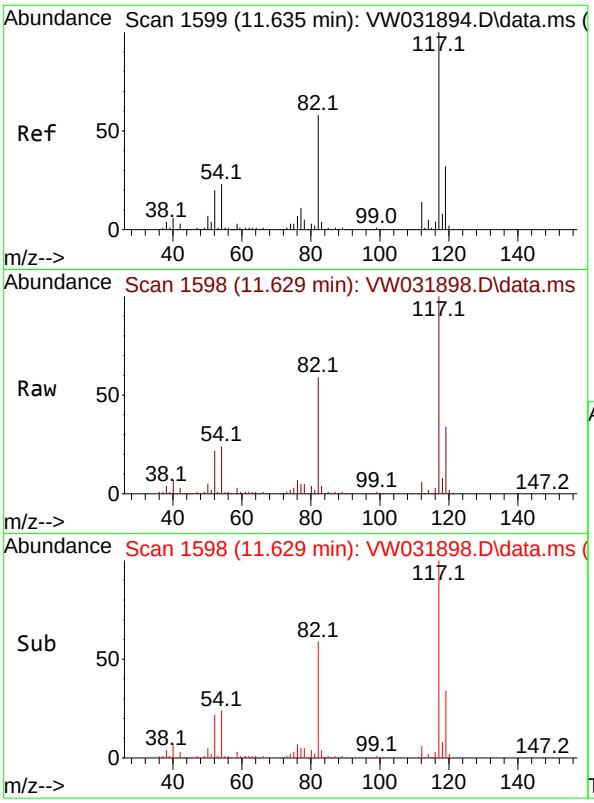


#62
4-Bromofluorobenzene
Concen: 45.728 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 95 Resp: 188746

Ion	Ratio	Lower	Upper
95	100		
174	63.5	0.0	129.8
176	62.2	0.0	130.4

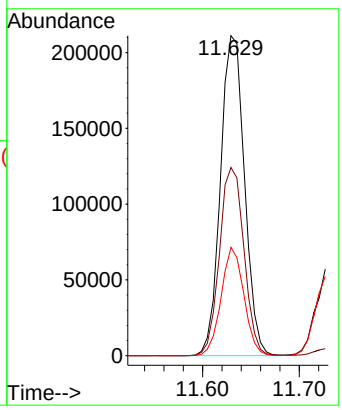




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:117 Resp: 36415

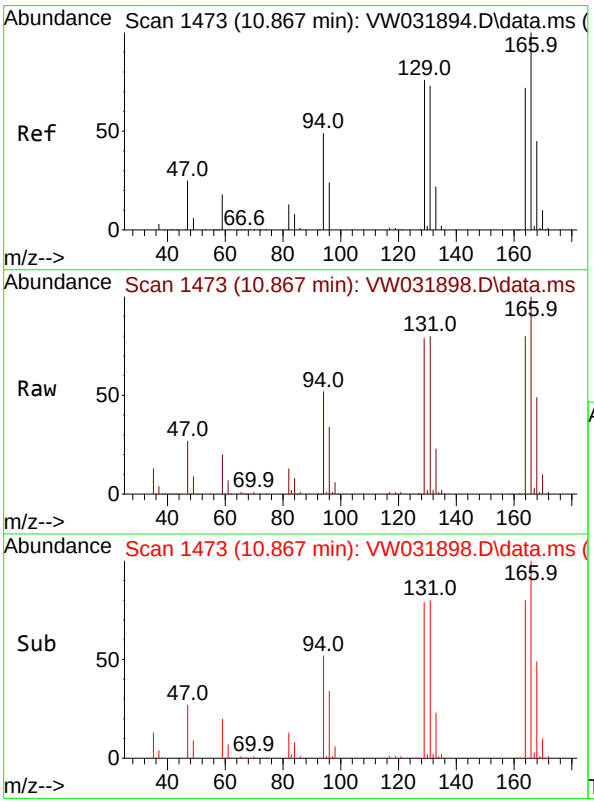
Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.5	69.7
119	33.9	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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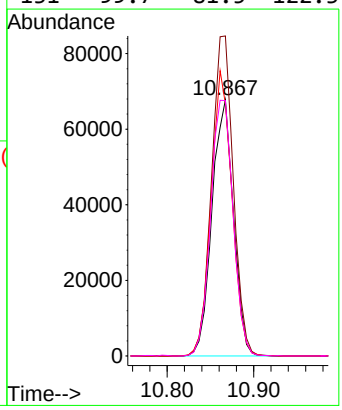
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

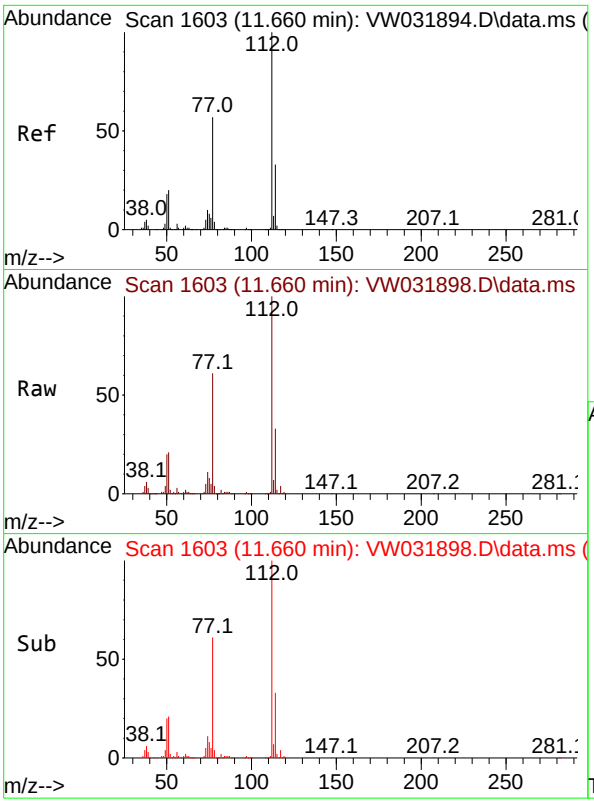


#64
Tetrachloroethene
Concen: 48.658 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:164 Resp: 116825

Ion	Ratio	Lower	Upper
164	100		
166	124.9	111.5	167.3
129	98.4	85.1	127.7
131	99.7	81.5	122.3

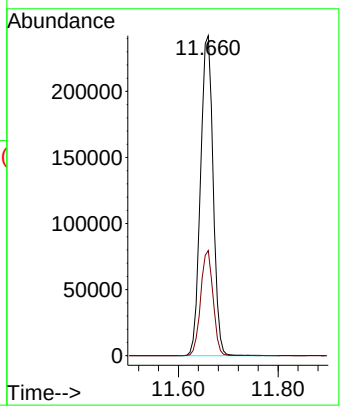




#65
Chlorobenzene
Concen: 47.600 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:112 Resp: 42423

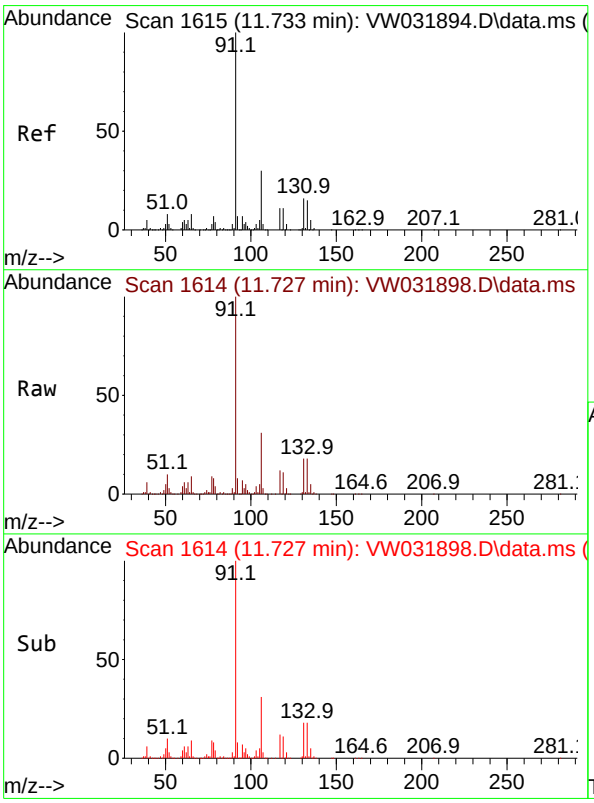
Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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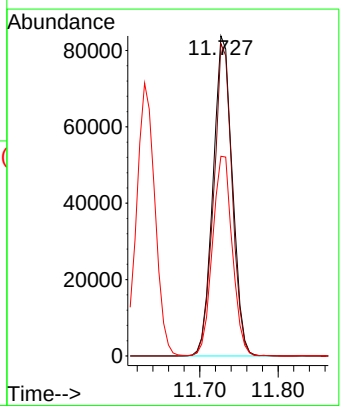
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

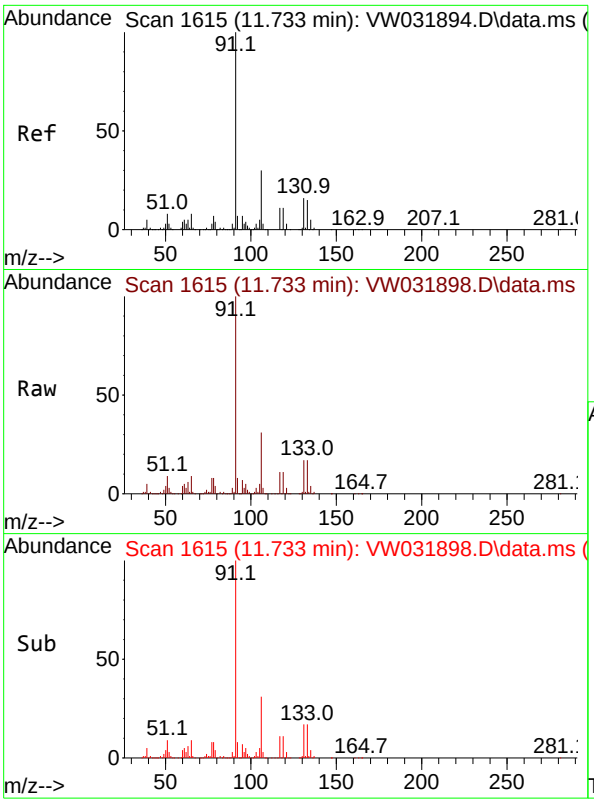


#66
1,1,1,2-Tetrachloroethane
Concen: 52.026 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:131 Resp: 143748

Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.1	144.4
119	64.1	33.7	101.1





#67
Ethyl Benzene
Concen: 49.339 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

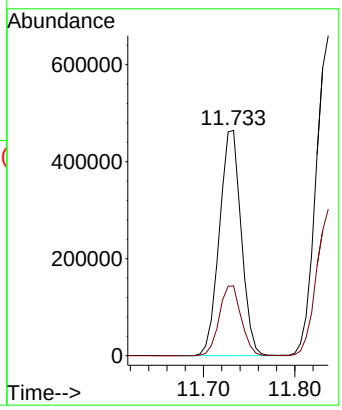
Tgt Ion: 91 Resp: 77261(

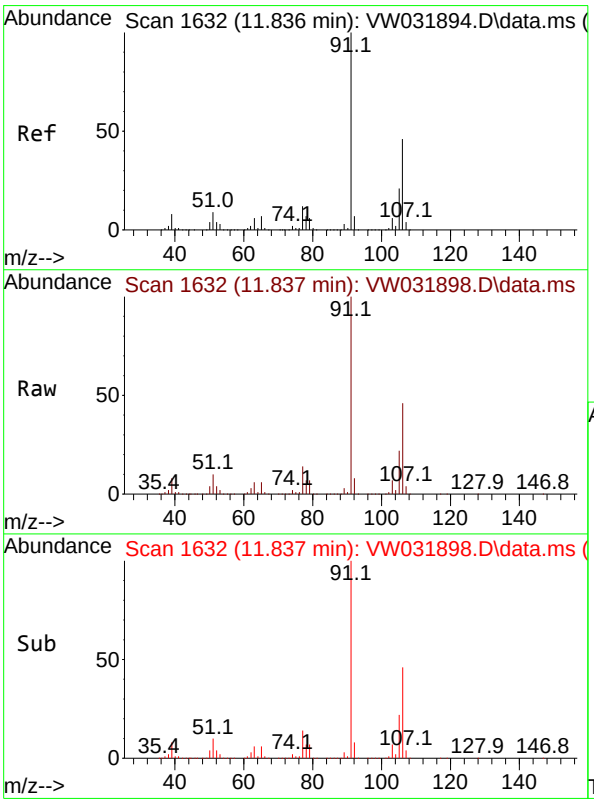
Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

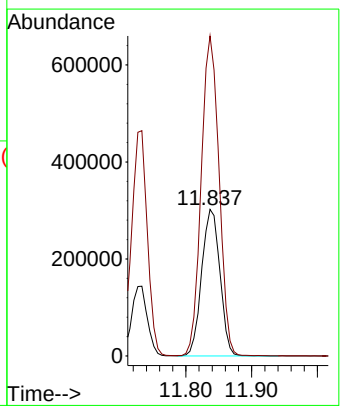


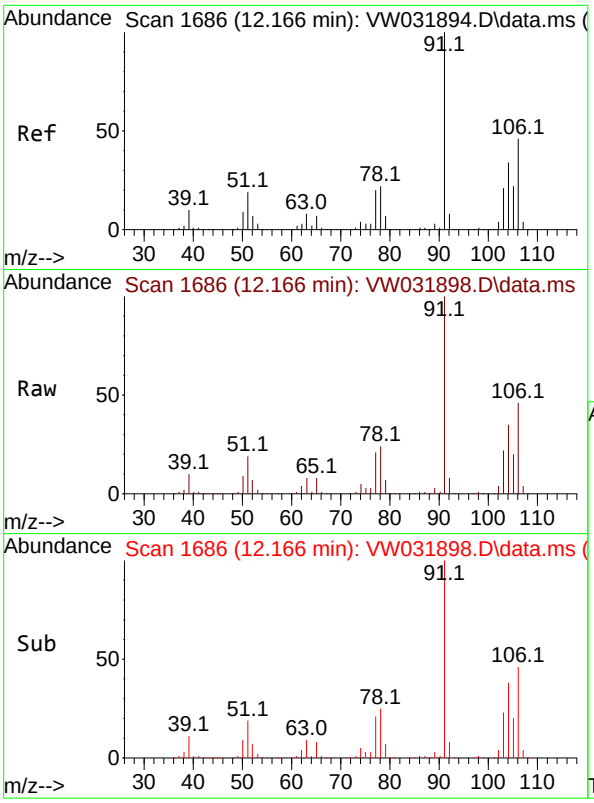


#68
m/p-Xylenes
Concen: 98.862 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:106 Resp: 582795

Ion	Ratio	Lower	Upper
106	100		
91	213.4	167.7	251.5

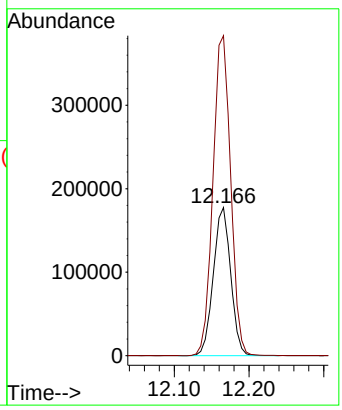




#69
o-Xylene
Concen: 51.412 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:106 Resp: 28682

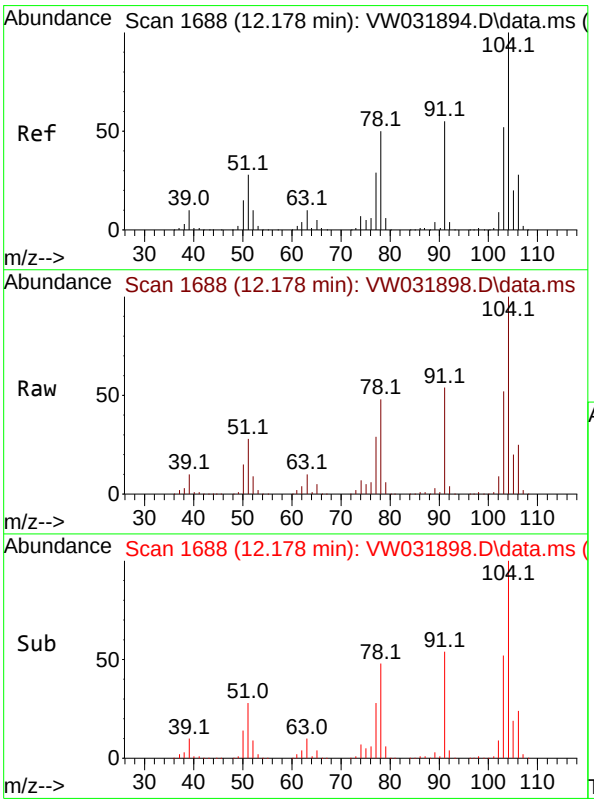
Ion	Ratio	Lower	Upper
106	100		
91	219.7	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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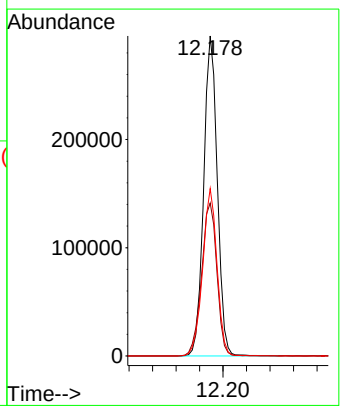
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

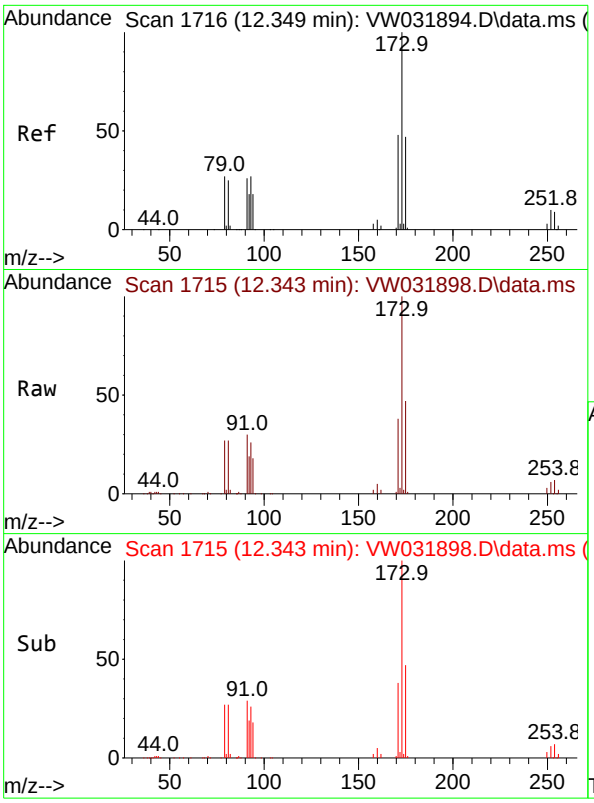


#70
Styrene
Concen: 50.260 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:104 Resp: 477401

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.9	42.8	64.2

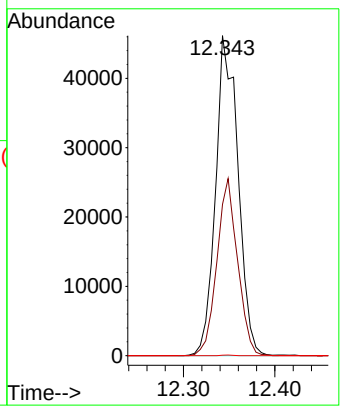




#71
Bromoform
Concen: 51.994 ug/l
RT: 12.343 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:173 Resp: 7856

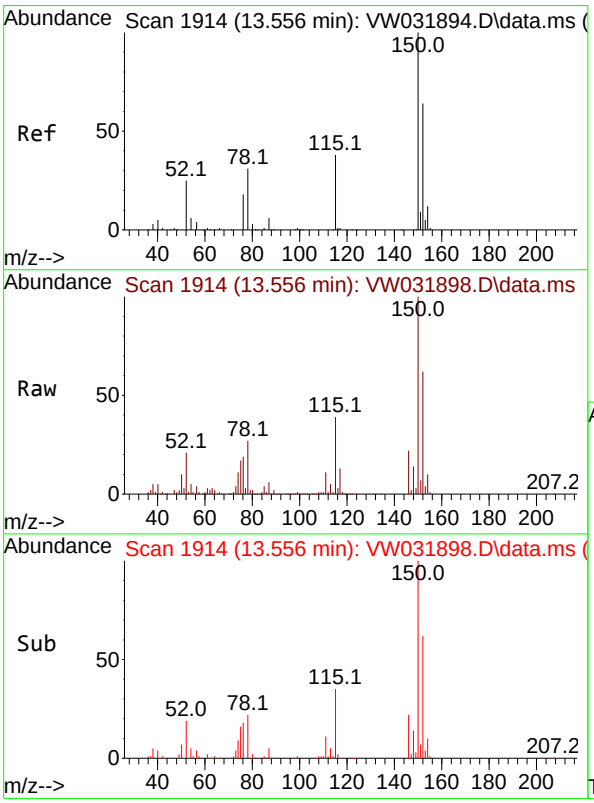
Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.5	73.5
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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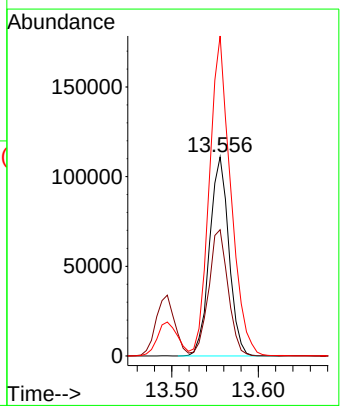
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

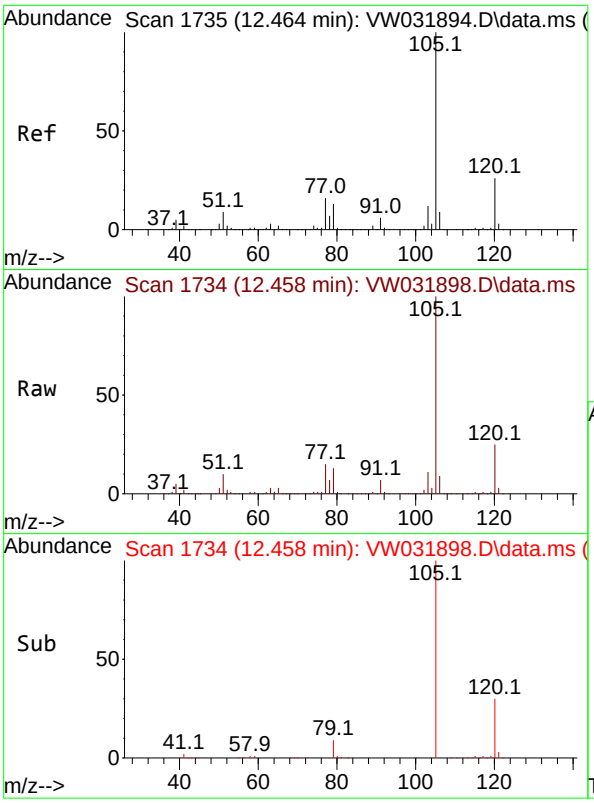


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:152 Resp: 171771

Ion	Ratio	Lower	Upper
152	100		
115	64.1	33.4	100.1
150	177.5	0.0	352.2





#73
Isopropylbenzene
Concen: 49.484 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

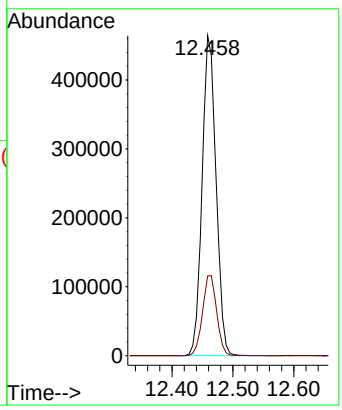
Tgt Ion:105 Resp: 73751

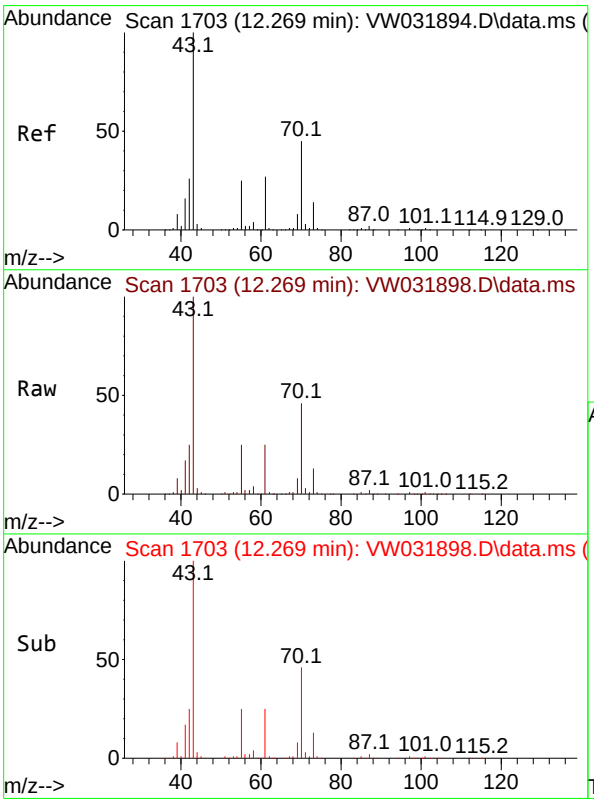
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

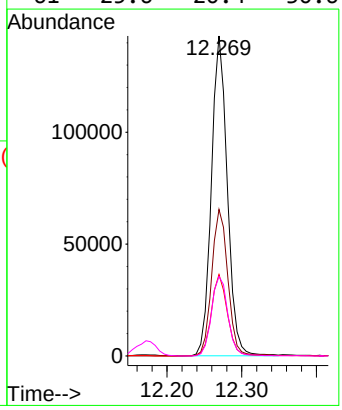


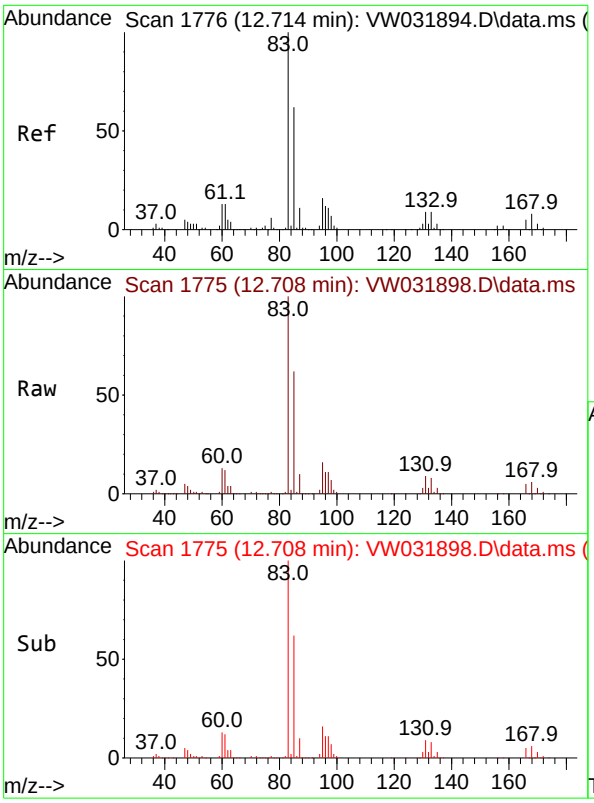


#74
N-amyl acetate
Concen: 52.553 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 211747

Ion	Ratio	Lower	Upper
43	100		
70	46.8	36.6	55.0
55	25.8	20.7	31.1
61	25.6	20.4	30.6

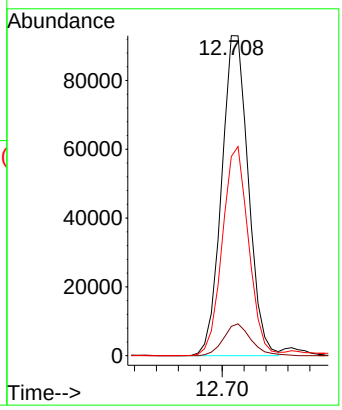




#75
1,1,2,2-Tetrachloroethane
Concen: 49.778 ug/l
RT: 12.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 83 Resp: 15747

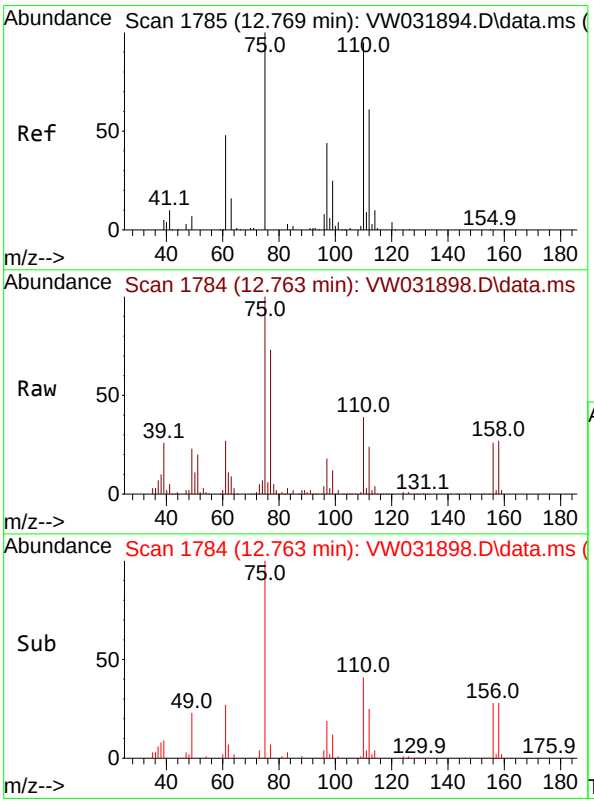
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.1	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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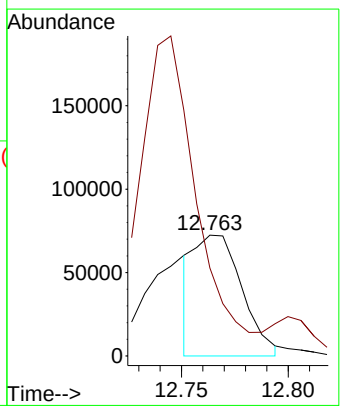
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

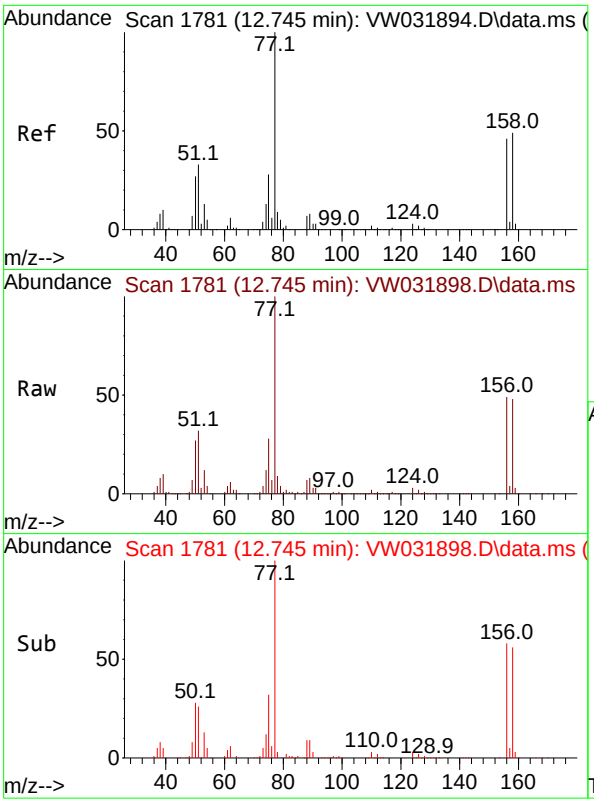


#76
1,2,3-Trichloropropane
Concen: 47.566 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 112806

Ion	Ratio	Lower	Upper
75	100		
77	314.4	0.0	0.0#





#77
Bromobenzene
Concen: 49.814 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

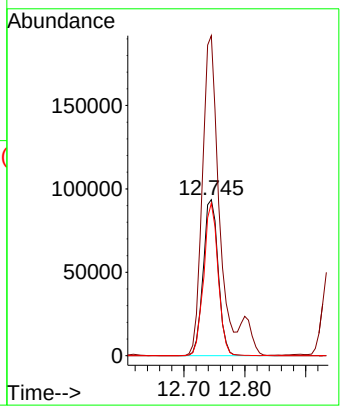
Tgt Ion:156 Resp: 16063

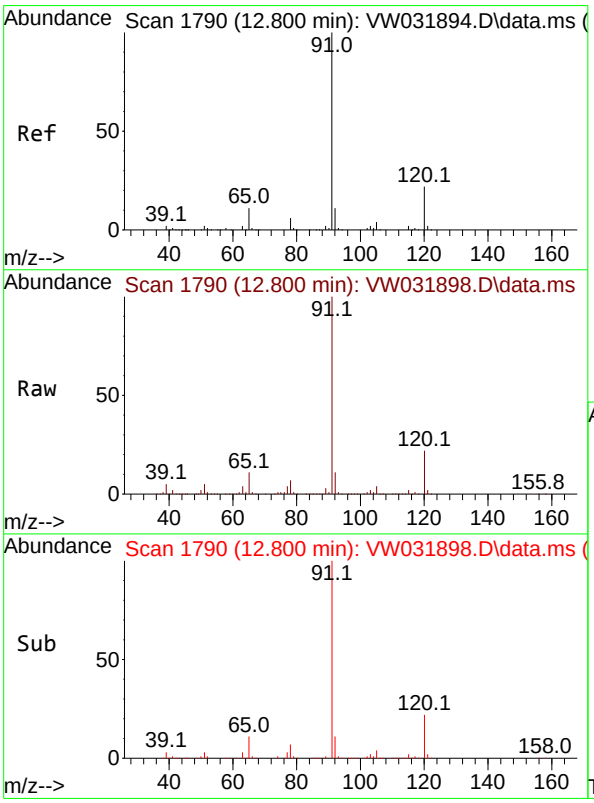
Ion	Ratio	Lower	Upper
156	100		
77	220.8	115.3	345.8
158	93.5	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

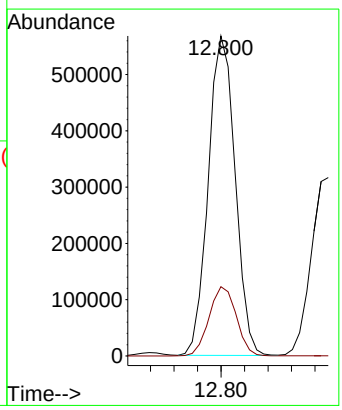


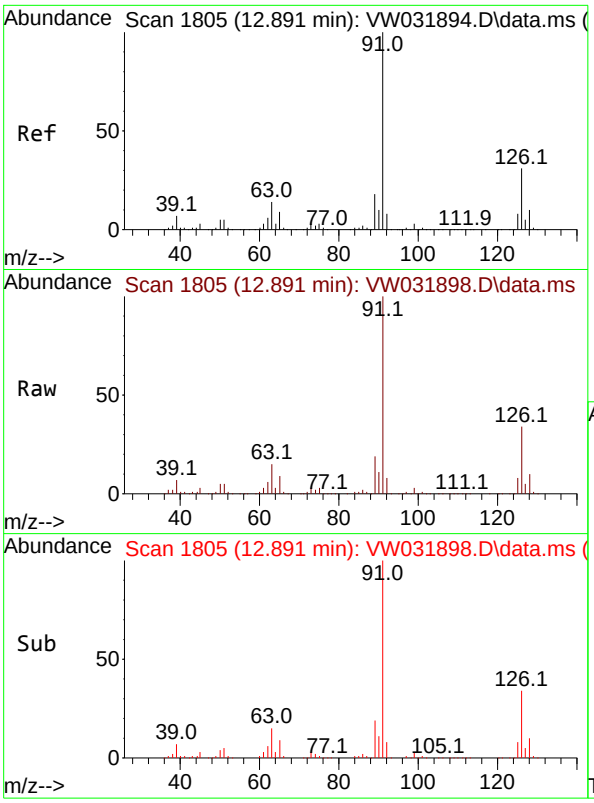


#78
n-propylbenzene
Concen: 49.260 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 91 Resp: 901700

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.6





#79
2-Chlorotoluene
Concen: 49.018 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

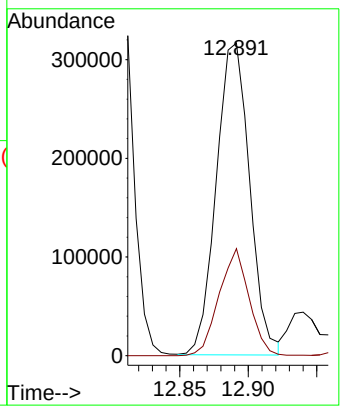
Tgt Ion: 91 Resp: 53571

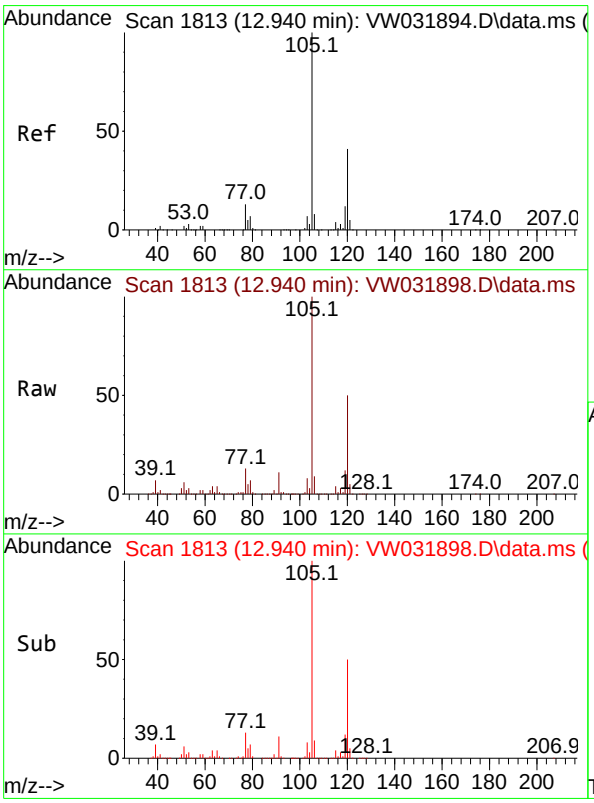
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

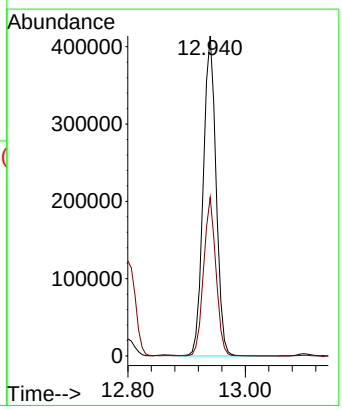


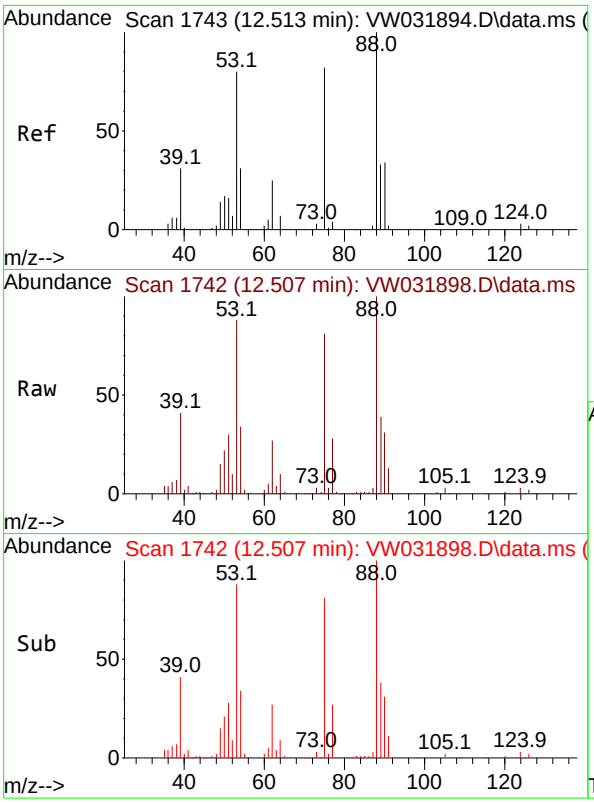


#80
1,3,5-Trimethylbenzene
Concen: 50.139 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:105 Resp: 626726

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 52.109 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

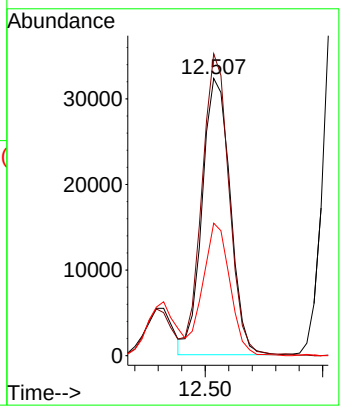
Tgt Ion: 75 Resp: 5352

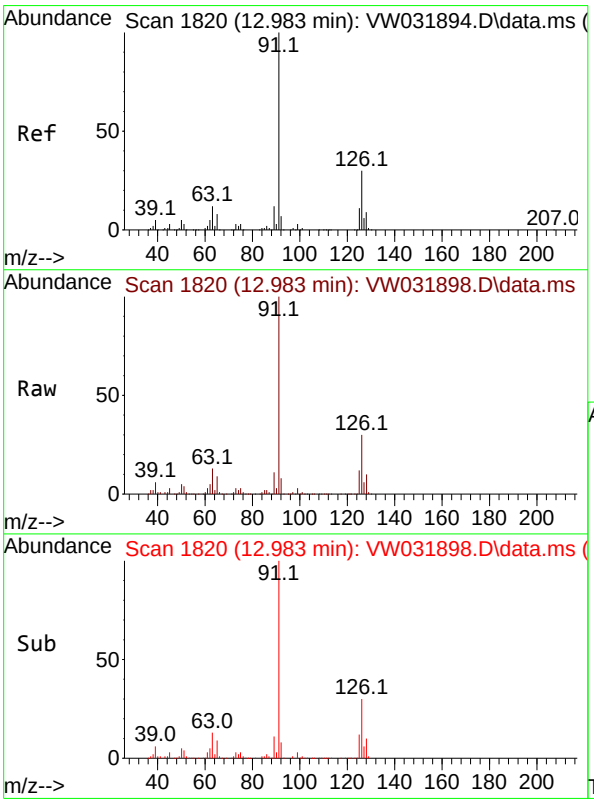
Ion	Ratio	Lower	Upper
75	100		
53	106.6	83.7	125.5
89	46.4	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

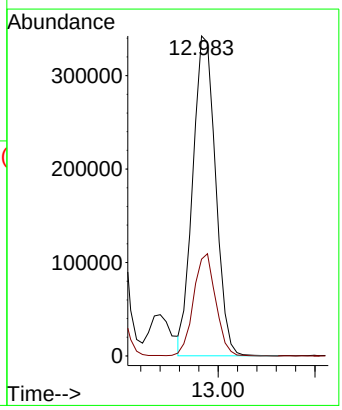


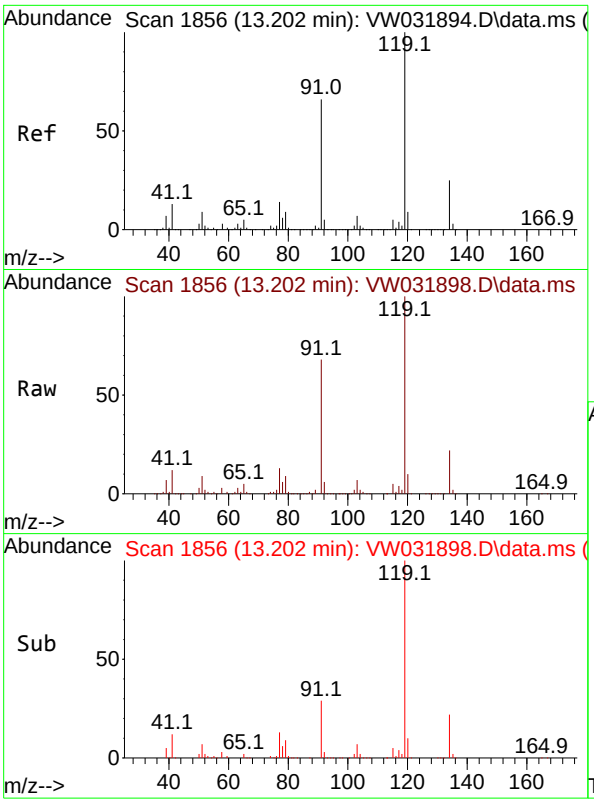


#82
4-Chlorotoluene
Concen: 48.892 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 91 Resp: 560575

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.3

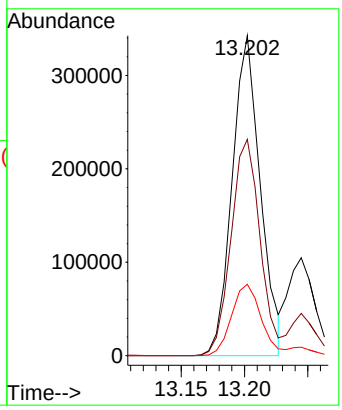




#83
tert-Butylbenzene
Concen: 49.850 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:119 Resp: 53077

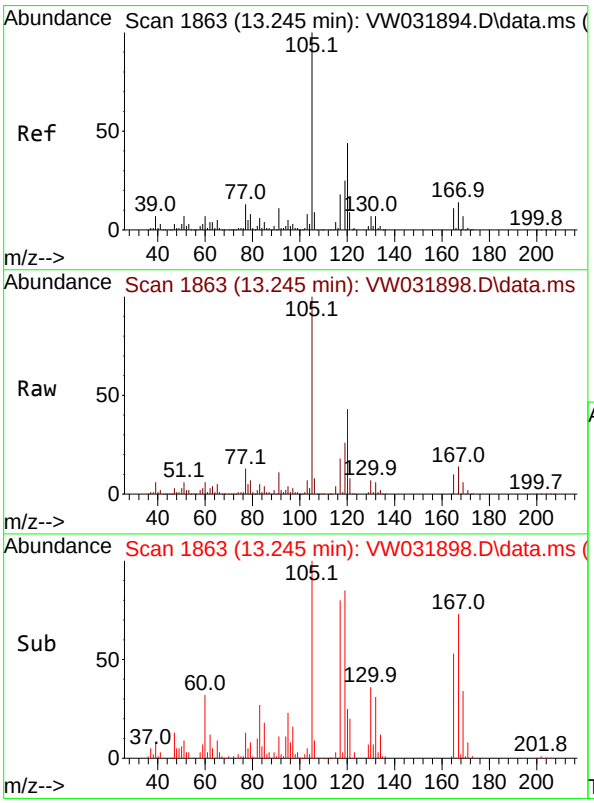
Ion	Ratio	Lower	Upper
119	100		
91	69.3	35.5	106.5
134	23.6	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
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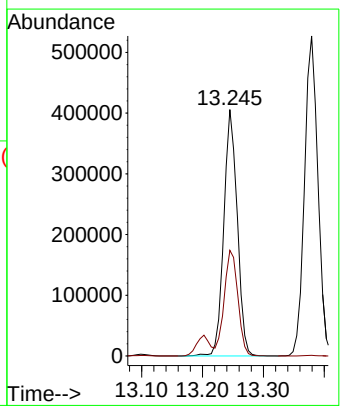
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

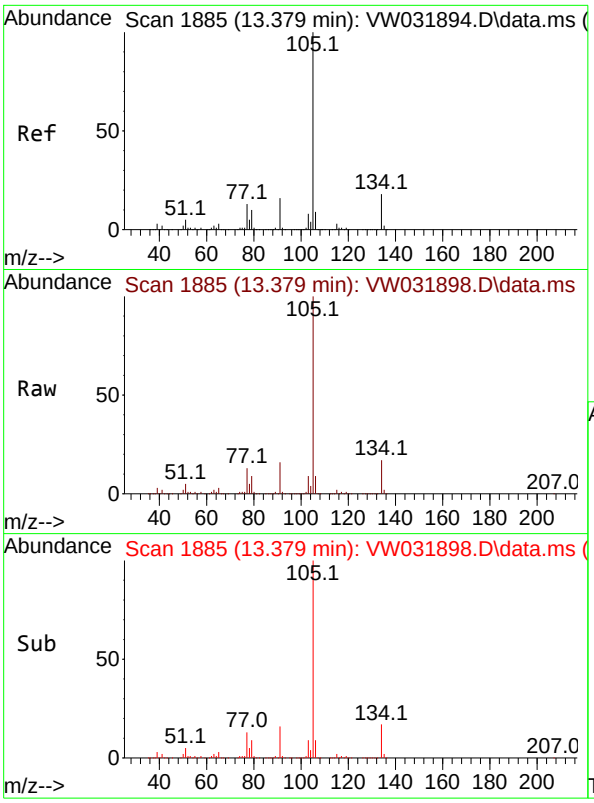


#84
1,2,4-Trimethylbenzene
Concen: 49.148 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:105 Resp: 621802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.3	63.9

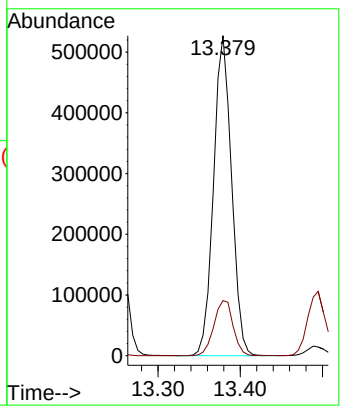




#85
sec-Butylbenzene
Concen: 50.210 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:105 Resp: 80283

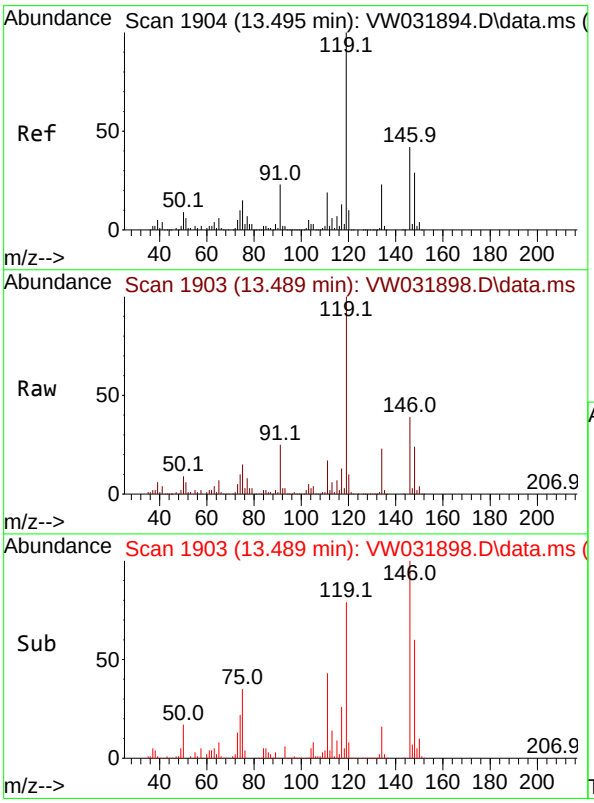
Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

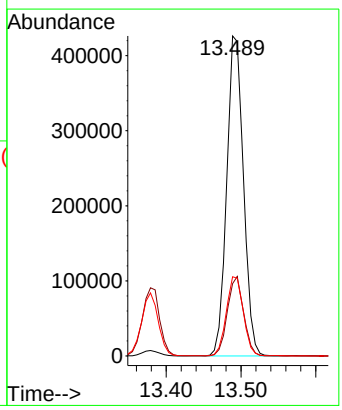
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

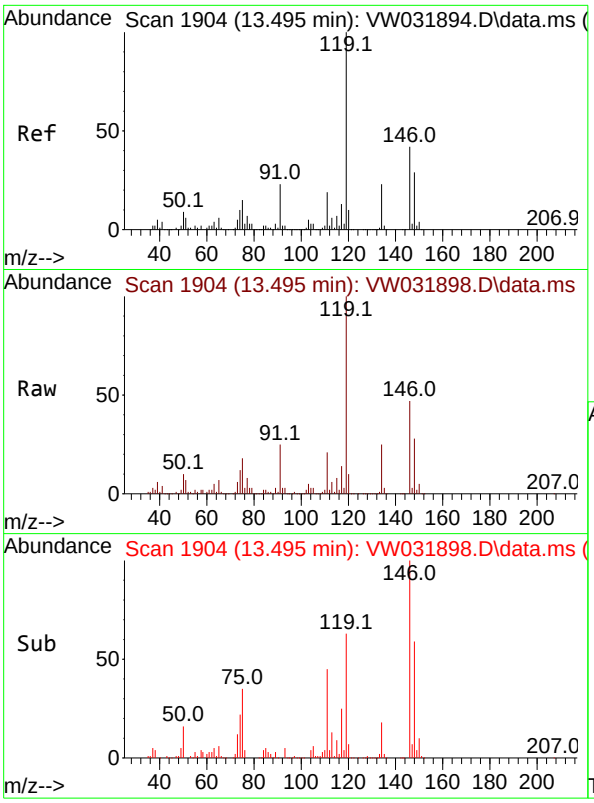


#86
p-Isopropyltoluene
Concen: 50.261 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:119 Resp: 664260

Ion	Ratio	Lower	Upper
119	100		
134	24.0	13.0	39.0
91	24.9	12.7	38.1

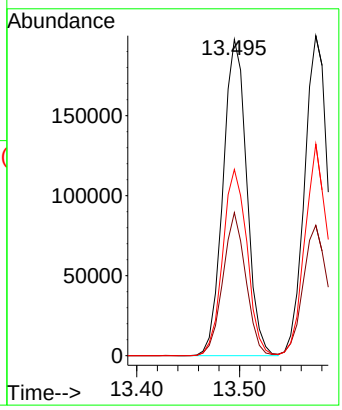




#87
1,3-Dichlorobenzene
Concen: 47.106 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:146 Resp: 31620

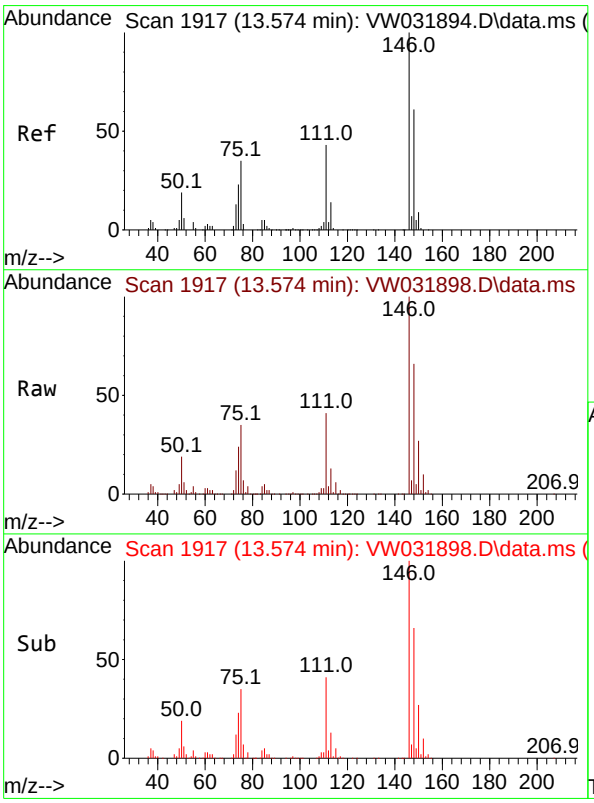
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	60.5	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

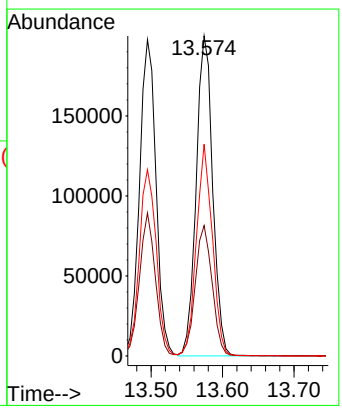
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

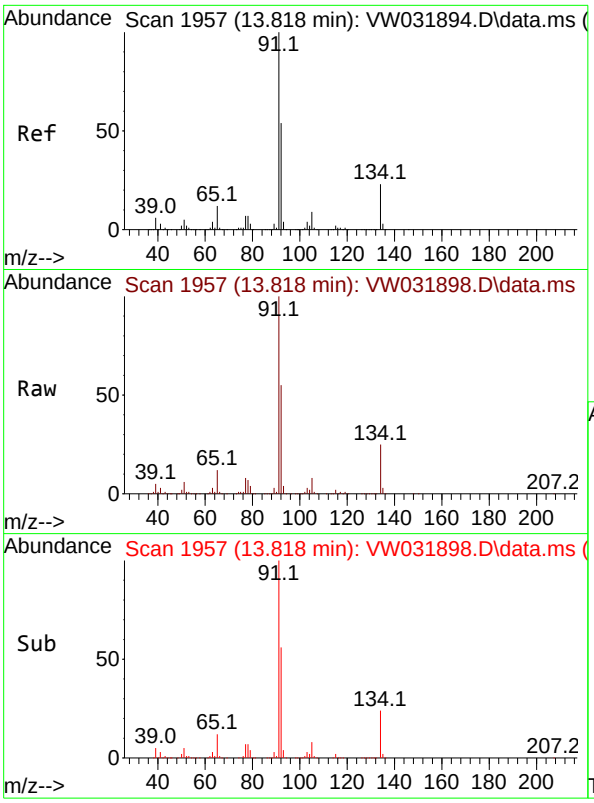


#88
1,4-Dichlorobenzene
Concen: 48.681 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:146 Resp: 320113

Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.1	66.3
148	63.8	31.8	95.3

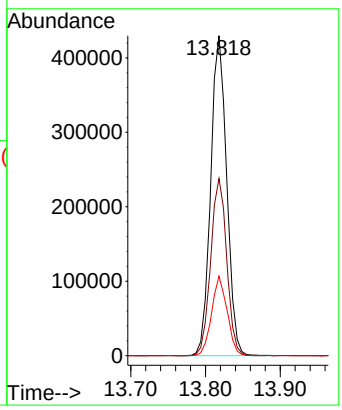




#89
n-Butylbenzene
Concen: 49.250 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 91 Resp: 63851

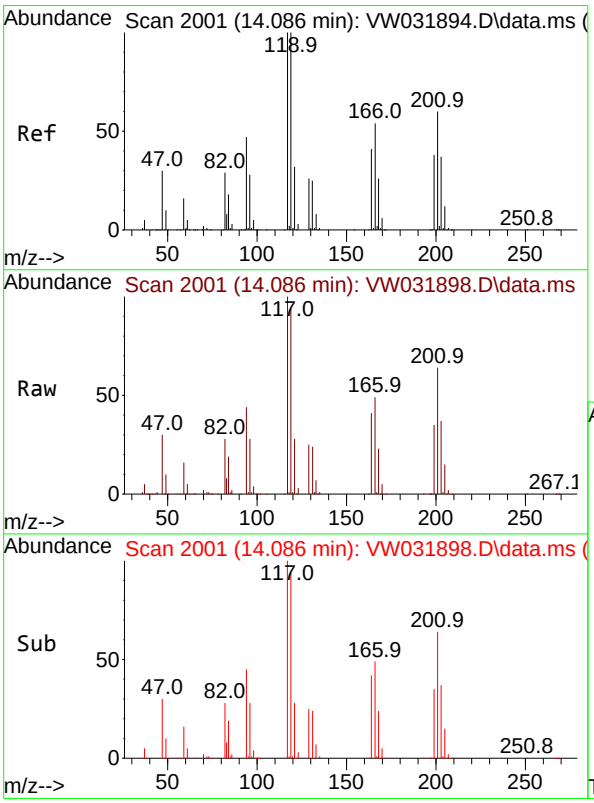
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.5
134	24.0	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

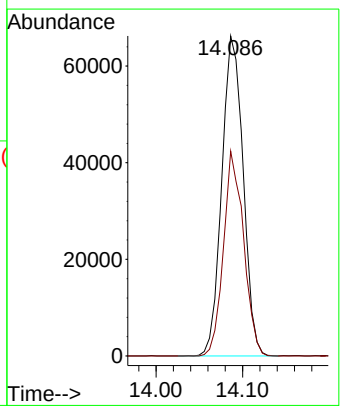
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

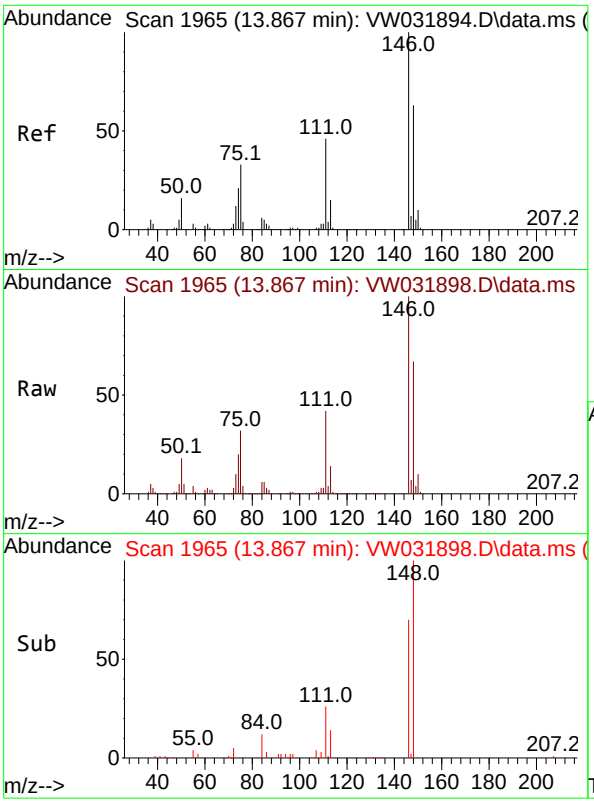


#90
Hexachloroethane
Concen: 49.643 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:117 Resp: 113450

Ion	Ratio	Lower	Upper
117	100		
201	60.2	28.4	85.2

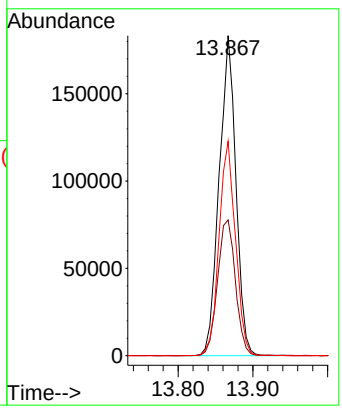




#91
1,2-Dichlorobenzene
Concen: 48.082 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:146 Resp: 28603

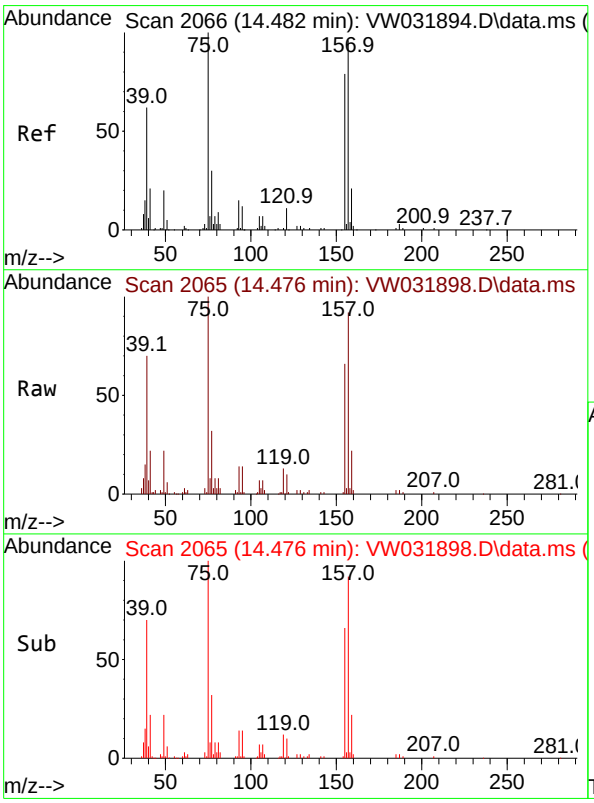
Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.6	71.0
148	65.9	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

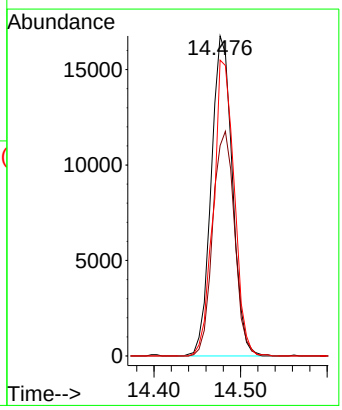
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

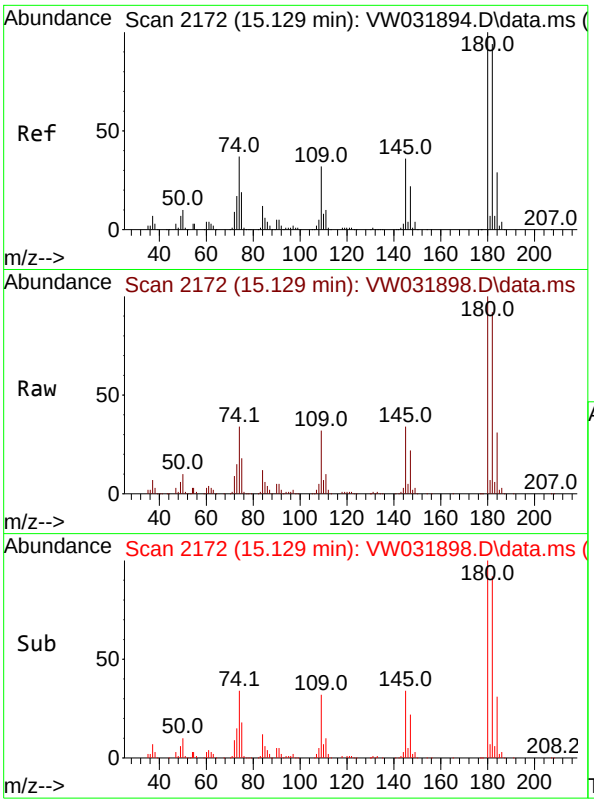


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.905 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 28523

Ion	Ratio	Lower	Upper
75	100		
155	72.0	35.9	107.7
157	90.6	47.4	142.2





#93
1,2,4-Trichlorobenzene
Concen: 49.346 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

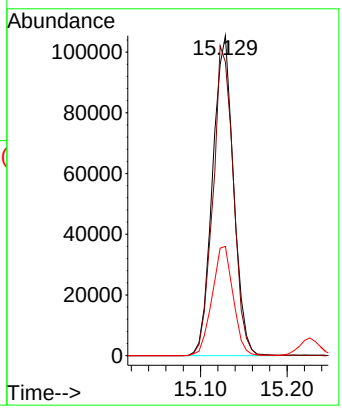
Tgt Ion:180 Resp: 17703

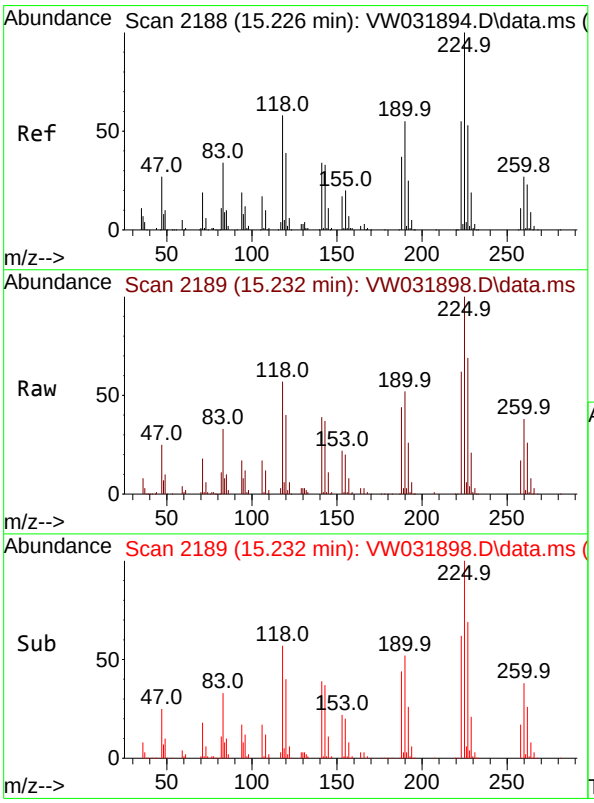
Ion	Ratio	Lower	Upper
180	100		
182	94.3	51.0	153.1
145	34.4	18.4	55.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

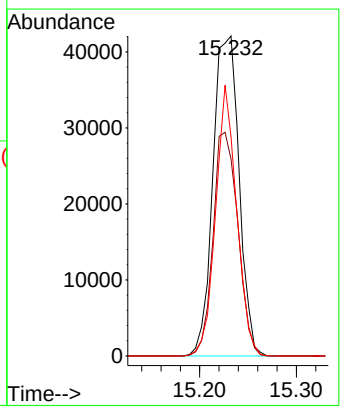


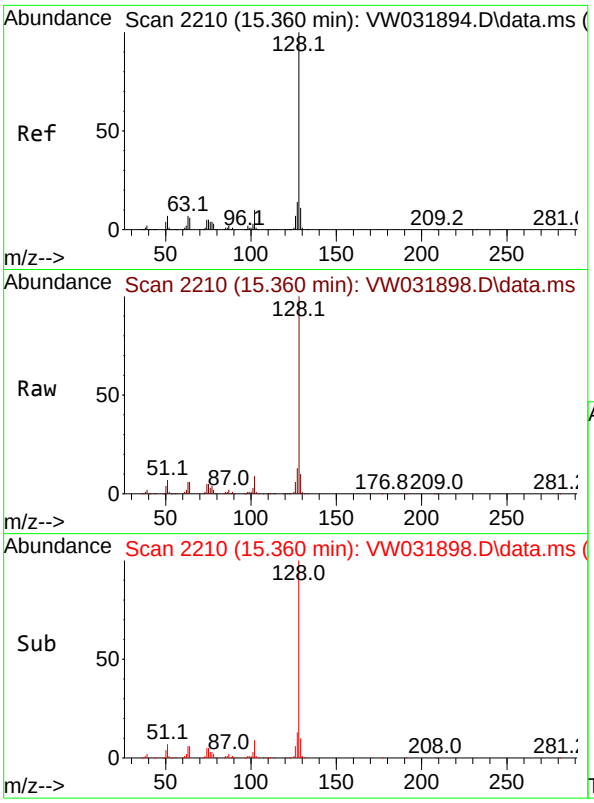


#94
Hexachlorobutadiene
Concen: 46.450 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:225 Resp: 78966

Ion	Ratio	Lower	Upper
225	100		
223	66.2	30.9	92.7
227	68.2	30.0	90.1

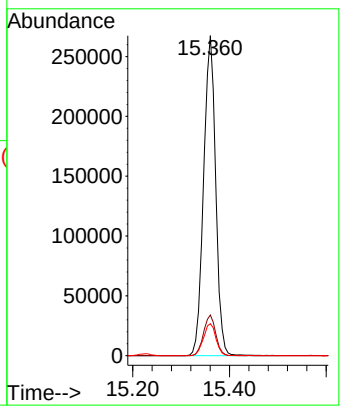




#95
Naphthalene
Concen: 52.482 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:128 Resp: 46291

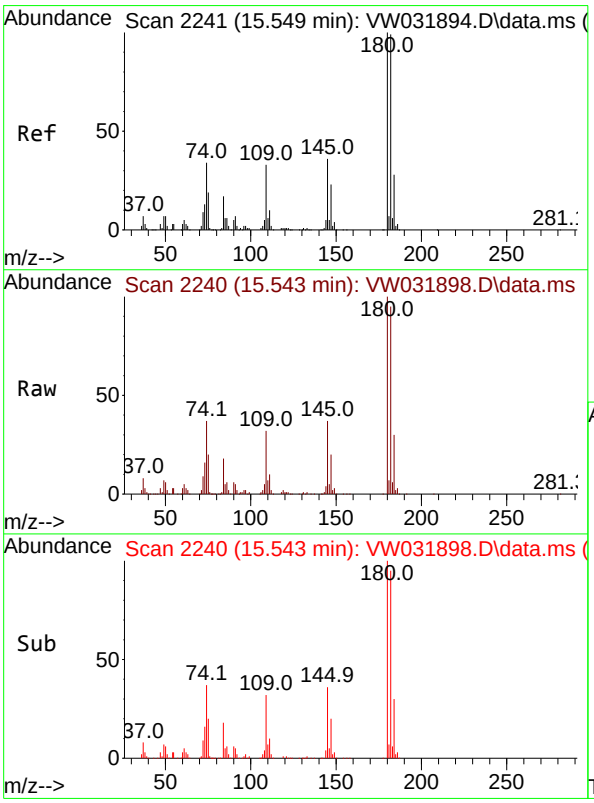
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.4	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations
APPROVED

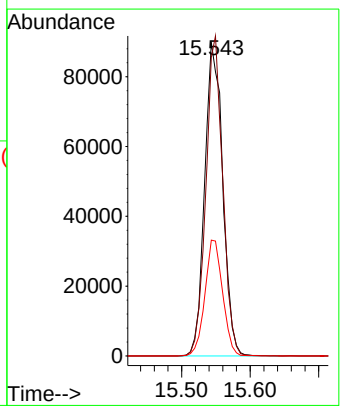
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.512 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:180 Resp: 164194

Ion	Ratio	Lower	Upper
180	100		
182	95.5	50.4	151.2
145	36.4	18.6	55.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	0.372	0.351	5.6	98	0.00
3	P	Chloromethane	0.477	0.461	3.4	107	0.00
4	C	Vinyl Chloride	0.620	0.603	2.7#	99	0.00
5	T	Bromomethane	0.456	0.437	4.2	101	0.00
6	T	Chloroethane	0.409	0.394	3.7	101	0.00
7	T	Trichlorofluoromethane	0.628	0.593	5.6	88	0.00
8	T	Diethyl Ether	0.419	0.393	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.580	4.0	99	0.00
10	T	Methyl Iodide	0.902	0.860	4.7	100	0.00
11	T	Tert butyl alcohol	0.044	0.049	-11.4	112	0.00
12	CM	1,1-Dichloroethene	0.667	0.647	3.0#	101	0.00
13	T	Acrolein	0.065	0.058	10.8	111	-0.01
14	T	Allyl chloride	1.038	1.006	3.1	100	0.00
15	T	Acrylonitrile	0.187	0.189	-1.1	104	0.00
16	T	Acetone	0.179	0.188	-5.0	114	0.00
17	T	Carbon Disulfide	1.729	1.697	1.9	101	0.00
18	T	Methyl Acetate	0.494	0.513	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	1.152	1.159	-0.6	103	0.00
20	T	Methylene Chloride	0.944	0.754	20.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.682	3.5	99	0.00
22	T	Diisopropyl ether	2.077	2.028	2.4	99	0.00
23	T	Vinyl Acetate	1.357	1.398	-3.0	104	-0.01
24	P	1,1-Dichloroethane	1.293	1.263	2.3	100	0.00
25	T	2-Butanone	0.246	0.261	-6.1	111	0.00
26	T	2,2-Dichloropropane	0.732	0.705	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.811	2.5	99	0.00
28	T	Bromochloromethane	0.541	0.532	1.7	102	0.00
29	T	Tetrahydrofuran	0.161	0.168	-4.3	106	0.00
30	C	Chloroform	1.356	1.349	0.5#	103	0.00
31	T	Cyclohexane	1.160	1.088	6.2	99	0.00
32	T	1,1,1-Trichloroethane	1.032	1.005	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.685	9.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.340	0.315	7.4	96	0.00
36	T	1,1-Dichloropropene	0.522	0.518	0.8	101	0.00
37	T	Ethyl Acetate	0.298	0.303	-1.7	102	0.00
38	T	Carbon Tetrachloride	0.501	0.492	1.8	100	0.00
39	T	Methylcyclohexane	0.657	0.669	-1.8	102	0.00
40	TM	Benzene	1.545	1.527	1.2	100	0.00
41	T	Methacrylonitrile	0.178	0.176	1.1	98	0.00
42	TM	1,2-Dichloroethane	0.494	0.487	1.4	101	0.00
43	T	Isopropyl Acetate	0.539	0.558	-3.5	105	0.00
44	TM	Trichloroethene	0.367	0.360	1.9	99	0.00
45	C	1,2-Dichloropropane	0.372	0.363	2.4#	101	0.00
46	T	Dibromomethane	0.231	0.230	0.4	102	0.00
47	T	Bromodichloromethane	0.553	0.558	-0.9	104	0.00
48	T	Methyl methacrylate	0.256	0.267	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	92	0.00
50	S	Toluene-d8	1.286	1.186	7.8	97	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.309	-4.7	105	0.00
52	CM	Toluene	0.993	0.983	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	0.530	0.543	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.614	-1.3	102	0.00
55	T	1,1,2-Trichloroethane	0.306	0.306	0.0	102	0.00
56	T	Ethyl methacrylate	0.433	0.456	-5.3	103	0.00
57	T	1,3-Dichloropropane	0.540	0.542	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.237	-6.8	106	0.00
59	T	2-Hexanone	0.205	0.222	-8.3	108	0.00
60	T	Dibromochloromethane	0.357	0.356	0.3	101	0.00
61	T	1,2-Dibromoethane	0.303	0.299	1.3	101	0.00
62	S	4-Bromofluorobenzene	0.494	0.452	8.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.330	0.321	2.7	101	0.00
65	PM	Chlorobenzene	1.224	1.165	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.395	-4.2	106	0.00
67	C	Ethyl Benzene	2.150	2.122	1.3#	97	0.00
68	T	m/p-Xylenes	0.809	0.800	1.1	99	0.00
69	T	o-Xylene	0.766	0.788	-2.9	101	0.00
70	T	Styrene	1.304	1.311	-0.5	98	0.00
71	P	Bromoform	0.207	0.216	-4.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	4.338	4.294	1.0	99	0.00
74	T	N-amyl acetate	1.173	1.233	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.917	0.4	102	0.00
76	T	1,2,3-Trichloropropane	0.690	0.657	4.8	97	0.00
77	T	Bromobenzene	0.939	0.935	0.4	105	0.00
78	T	n-propylbenzene	5.328	5.249	1.5	100	0.00
79	T	2-Chlorotoluene	3.181	3.119	1.9	101	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.649	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.312	-4.3	106	0.00
82	T	4-Chlorotoluene	3.337	3.264	2.2	101	0.00
83	T	tert-Butylbenzene	3.099	3.090	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.620	1.7	100	0.00
85	T	sec-Butylbenzene	4.654	4.674	-0.4	103	0.00
86	T	p-Isopropyltoluene	3.847	3.867	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	1.954	1.841	5.8	98	0.00
88	T	1,4-Dichlorobenzene	1.914	1.864	2.6	104	0.00
89	T	n-Butylbenzene	3.774	3.717	1.5	99	0.00
90	T	Hexachloroethane	0.665	0.660	0.8	104	0.00
91	T	1,2-Dichlorobenzene	1.732	1.665	3.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.166	0.0	105	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.031	1.2	107	0.00
94	T	Hexachlorobutadiene	0.495	0.460	7.1	96	0.00
95	T	Naphthalene	2.567	2.695	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	0.956	-1.1	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	50.000	47.231	5.5	98	0.00
3	P	Chloromethane	50.000	48.299	3.4	107	0.00
4	C	Vinyl Chloride	50.000	48.682	2.6#	99	0.00
5	T	Bromomethane	50.000	47.931	4.1	101	0.00
6	T	Chloroethane	50.000	48.122	3.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.287	5.4	88	0.00
8	T	Diethyl Ether	50.000	46.898	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.057	3.9	99	0.00
10	T	Methyl Iodide	50.000	47.621	4.8	100	0.00
11	T	Tert butyl alcohol	250.000	273.664	-9.5	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.510	3.0#	101	0.00
13	T	Acrolein	250.000	243.737	2.5	111	-0.01
14	T	Allyl chloride	50.000	48.442	3.1	100	0.00
15	T	Acrylonitrile	250.000	252.071	-0.8	104	0.00
16	T	Acetone	250.000	261.441	-4.6	114	0.00
17	T	Carbon Disulfide	50.000	49.063	1.9	101	0.00
18	T	Methyl Acetate	50.000	51.889	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	50.000	50.308	-0.6	103	0.00
20	T	Methylene Chloride	50.000	49.004	2.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.220	3.6	99	0.00
22	T	Diisopropyl ether	50.000	48.814	2.4	99	0.00
23	T	Vinyl Acetate	250.000	257.536	-3.0	104	-0.01
24	P	1,1-Dichloroethane	50.000	48.848	2.3	100	0.00
25	T	2-Butanone	250.000	266.207	-6.5	111	0.00
26	T	2,2-Dichloropropane	50.000	48.135	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.747	2.5	99	0.00
28	T	Bromochloromethane	50.000	49.115	1.8	102	0.00
29	T	Tetrahydrofuran	250.000	260.591	-4.2	106	0.00
30	C	Chloroform	50.000	49.755	0.5#	103	0.00
31	T	Cyclohexane	50.000	46.897	6.2	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.687	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.275	9.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	46.294	7.4	96	0.00
36	T	1,1-Dichloropropene	50.000	49.596	0.8	101	0.00
37	T	Ethyl Acetate	50.000	50.911	-1.8	102	0.00
38	T	Carbon Tetrachloride	50.000	49.141	1.7	100	0.00
39	T	Methylcyclohexane	50.000	50.909	-1.8	102	0.00
40	TM	Benzene	50.000	49.422	1.2	100	0.00
41	T	Methacrylonitrile	50.000	49.252	1.5	98	0.00
42	TM	1,2-Dichloroethane	50.000	49.242	1.5	101	0.00
43	T	Isopropyl Acetate	50.000	51.748	-3.5	105	0.00
44	TM	Trichloroethene	50.000	48.996	2.0	99	0.00
45	C	1,2-Dichloropropane	50.000	48.855	2.3#	101	0.00
46	T	Dibromomethane	50.000	49.959	0.1	102	0.00
47	T	Bromodichloromethane	50.000	50.465	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	52.150	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1044.021	-4.4	92	0.00
50	S	Toluene-d8	50.000	46.131	7.7	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.159	-4.9	105	0.00
52	CM	Toluene	50.000	49.520	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	51.226	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.715	-1.4	102	0.00
55	T	1,1,2-Trichloroethane	50.000	50.025	-0.0	102	0.00
56	T	Ethyl methacrylate	50.000	52.748	-5.5	103	0.00
57	T	1,3-Dichloropropane	50.000	50.201	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.689	-6.7	106	0.00
59	T	2-Hexanone	250.000	270.260	-8.1	108	0.00
60	T	Dibromochloromethane	50.000	49.816	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.410	1.2	101	0.00
62	S	4-Bromofluorobenzene	50.000	45.728	8.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	48.658	2.7	101	0.00
65	PM	Chlorobenzene	50.000	47.600	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.026	-4.1	106	0.00
67	C	Ethyl Benzene	50.000	49.339	1.3#	97	0.00
68	T	m/p-Xylenes	100.000	98.862	1.1	99	0.00
69	T	o-Xylene	50.000	51.412	-2.8	101	0.00
70	T	Styrene	50.000	50.260	-0.5	98	0.00
71	P	Bromoform	50.000	51.994	-4.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	49.484	1.0	99	0.00
74	T	N-amyl acetate	50.000	52.553	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.778	0.4	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.566	4.9	97	0.00
77	T	Bromobenzene	50.000	49.814	0.4	105	0.00
78	T	n-propylbenzene	50.000	49.260	1.5	100	0.00
79	T	2-Chlorotoluene	50.000	49.018	2.0	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.139	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.109	-4.2	106	0.00
82	T	4-Chlorotoluene	50.000	48.892	2.2	101	0.00
83	T	tert-Butylbenzene	50.000	49.850	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.148	1.7	100	0.00
85	T	sec-Butylbenzene	50.000	50.210	-0.4	103	0.00
86	T	p-Isopropyltoluene	50.000	50.261	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	50.000	47.106	5.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.681	2.6	104	0.00
89	T	n-Butylbenzene	50.000	49.250	1.5	99	0.00
90	T	Hexachloroethane	50.000	49.643	0.7	104	0.00
91	T	1,2-Dichlorobenzene	50.000	48.082	3.8	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.905	0.2	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.346	1.3	107	0.00
94	T	Hexachlorobutadiene	50.000	46.450	7.1	96	0.00
95	T	Naphthalene	50.000	52.482	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.512	-1.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW031971.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/01/2025 08:21
Lab File ID: VW031971.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.424		13.98	20
Chloromethane	0.477	0.550	0.1	15.3	20
Vinyl Chloride	0.620	0.631		1.77	20
Bromomethane	0.456	0.502		10.09	20
Chloroethane	0.409	0.447		9.29	20
Tetrahydrofuran	0.161	0.183		13.66	20
Trichlorofluoromethane	0.628	0.556		-11.47	20
1,1,2-Trichlorotrifluoroethane	0.604	0.645		6.79	20
1,1-Dichloroethene	0.667	0.727		9	20
Acrylonitrile	0.187	0.210		12.3	20
Acetone	0.179	0.201		12.29	20
Carbon Disulfide	1.729	1.915		10.76	20
Methyl tert-butyl Ether	1.152	1.215		5.47	20
Methylene Chloride	0.944	0.764		-19.07	20
trans-1,2-Dichloroethene	0.707	0.761		7.64	20
1,1-Dichloroethane	1.293	1.383	0.1	6.96	20
2-Butanone	0.246	0.276		12.19	20
Carbon Tetrachloride	0.501	0.560		11.78	20
2,2-Dichloropropane	0.732	0.716		-2.19	20
cis-1,2-Dichloroethene	0.832	0.892		7.21	20
Chloroform	1.356	1.479		9.07	20
1,1,1-Trichloroethane	1.032	1.084		5.04	20
1,1-Dichloropropene	0.522	0.573		9.77	20
Benzene	1.545	1.718		11.2	20
1,2-Dichloroethane	0.494	0.555		12.35	20
Trichloroethene	0.367	0.401		9.26	20
1,2-Dichloropropane	0.372	0.415		11.56	20
Dibromomethane	0.231	0.261		12.99	20
Bromodichloromethane	0.553	0.636		15.01	20
4-Methyl-2-Pentanone	0.295	0.348		17.97	20
Toluene	0.993	1.134		14.2	20
t-1,3-Dichloropropene	0.530	0.592		11.7	20
cis-1,3-Dichloropropene	0.606	0.680		12.21	20
1,1,2-Trichloroethane	0.306	0.352		15.03	20
1,3-Dichloropropane	0.540	0.616		14.07	20
2-Hexanone	0.205	0.241		17.56	20
Dibromochloromethane	0.357	0.419		17.37	20
1,2-Dibromoethane	0.303	0.340		12.21	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW031971.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/01/2025 08:21
Lab File ID: VW031971.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.330	0.342		3.64	20
Chlorobenzene	1.224	1.307	0.3	6.78	20
1,1,1,2-Tetrachloroethane	0.379	0.436		15.04	20
Ethyl Benzene	2.150	2.369		10.19	20
m/p-Xylenes	0.809	0.892		10.26	20
o-Xylene	0.766	0.852		11.23	20
Styrene	1.304	1.488		14.11	20
Bromoform	0.207	0.250	0.1	20.77	20
Isopropylbenzene	4.338	4.606		6.18	20
1,1,2,2-Tetrachloroethane	0.921	1.020	0.3	10.75	20
1,2,3-Trichloropropane	0.690	0.733		6.23	20
Bromobenzene	0.939	1.039		10.65	20
n-propylbenzene	5.328	5.564		4.43	20
2-Chlorotoluene	3.181	3.328		4.62	20
1,3,5-Trimethylbenzene	3.638	3.834		5.39	20
4-Chlorotoluene	3.337	3.500		4.89	20
tert-Butylbenzene	3.099	3.334		7.58	20
1,2,4-Trimethylbenzene	3.683	3.910		6.16	20
sec-Butylbenzene	4.654	4.777		2.64	20
p-Isopropyltoluene	3.847	4.072		5.85	20
1,3-Dichlorobenzene	1.954	2.047		4.76	20
1,4-Dichlorobenzene	1.914	2.007		4.86	20
n-Butylbenzene	3.774	3.941		4.43	20
1,2-Dichlorobenzene	1.732	1.810		4.5	20
1,2-Dibromo-3-Chloropropane	0.166	0.183		10.24	20
1,2,4-Trichlorobenzene	1.044	1.113		6.61	20
Hexachlorobutadiene	0.495	0.509		2.83	20
1,2,3-Trichlorobenzene	0.946	1.014		7.19	20
1,2-Dichloroethane-d4	0.756	0.751		-0.66	20
Dibromofluoromethane	0.340	0.365		7.35	20
Toluene-d8	1.286	1.350		4.98	20
4-Bromofluorobenzene	0.494	0.495		0.2	20
trans-1,4-Dichloro-2-butene	0.299	0.330		10.37	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	217356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163285	49.660	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.320%			
35) Dibromofluoromethane	7.904	113	141994	53.665	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.340%			
50) Toluene-d8	10.325	98	525585	52.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.617	95	192848	50.153	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	92251	57.106	ug/l	99
3) Chloromethane	2.259	50	119494	57.631	ug/l	98
4) Vinyl Chloride	2.405	62	137124	50.910	ug/l	99
5) Bromomethane	2.826	94	109184	55.049	ug/l	93
6) Chloroethane	2.972	64	97210	54.684	ug/l	99
7) Trichlorofluoromethane	3.301	101	120885	44.312	ug/l	100
8) Diethyl Ether	3.716	74	94479	51.846	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	140125	53.402	ug/l	99
10) Methyl Iodide	4.307	142	201927	51.469	ug/l	99
11) Tert butyl alcohol	5.216	59	55767	288.537	ug/l	100
12) 1,1-Dichloroethene	4.076	96	157964	54.504	ug/l	95
13) Acrolein	3.923	56	18148	59.978	ug/l	95
14) Allyl chloride	4.697	41	225292	49.935	ug/l	99
15) Acrylonitrile	5.399	53	228118	279.999	ug/l	98
16) Acetone	4.155	43	218857	280.500	ug/l	96
17) Carbon Disulfide	4.417	76	416159	55.366	ug/l	100
18) Methyl Acetate	4.704	43	128723	59.882	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	264118	52.743	ug/l	99
20) Methylene Chloride	4.954	84	165975	49.711	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	165370	53.778	ug/l	94
22) Diisopropyl ether	6.337	45	474322	52.539	ug/l	98
23) Vinyl Acetate	6.283	43	1593764	270.216	ug/l	100
24) 1,1-Dichloroethane	6.234	63	300526	53.466	ug/l	99
25) 2-Butanone	7.191	43	299837	280.867	ug/l	96
26) 2,2-Dichloropropane	7.185	77	155538	48.877	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	193871	53.628	ug/l	100
28) Bromochloromethane	7.532	49	108992	46.312	ug/l	97
29) Tetrahydrofuran	7.551	42	198834	284.086	ug/l	99
30) Chloroform	7.685	83	321556	54.561	ug/l	97
31) Cyclohexane	7.971	56	248855	49.349	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	235576	52.529	ug/l	98
36) 1,1-Dichloropropene	8.093	75	223048	54.892	ug/l	99
37) Ethyl Acetate	7.270	43	127679	55.082	ug/l	98
38) Carbon Tetrachloride	8.075	117	218047	55.914	ug/l	97
39) Methylcyclohexane	9.343	83	275493	53.874	ug/l	96
40) Benzene	8.331	78	668793	55.601	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	75577	54.466	ug/l		95
42) 1,2-Dichloroethane	8.410	62	215940	56.094	ug/l		99
43) Isopropyl Acetate	8.435	43	235025	56.007	ug/l		99
44) Trichloroethene	9.099	130	156276	54.659	ug/l		98
45) 1,2-Dichloropropane	9.373	63	161580	55.778	ug/l		99
46) Dibromomethane	9.465	93	101513	56.530	ug/l		99
47) Bromodichloromethane	9.648	83	247561	57.492	ug/l		95
48) Methyl methacrylate	9.441	41	114501	57.353	ug/l		99
49) 1,4-Dioxane	9.459	88	27240	1520.227	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	676661	294.645	ug/l		99
52) Toluene	10.392	92	441658	57.118	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	230434	55.788	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	264955	56.169	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	136947	57.413	ug/l		91
56) Ethyl methacrylate	10.648	69	196180	58.234	ug/l		99
57) 1,3-Dichloropropane	10.934	76	239932	57.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	434358	251.017	ug/l		99
59) 2-Hexanone	10.971	43	468449	293.457	ug/l		99
60) Dibromochloromethane	11.129	129	163216	58.688	ug/l		97
61) 1,2-Dibromoethane	11.233	107	132321	56.140	ug/l		99
64) Tetrachloroethene	10.861	164	120637	51.855	ug/l		93
65) Chlorobenzene	11.654	112	461052	53.387	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.727	131	154000	57.521	ug/l		96
67) Ethyl Benzene	11.727	91	835941	55.092	ug/l		98
68) m/p-Xylenes	11.836	106	629273	110.164	ug/l		99
69) o-Xylene	12.166	106	300812	55.646	ug/l		100
70) Styrene	12.178	104	524997	57.041	ug/l		98
71) Bromoform	12.349	173	88226	60.255	ug/l	#	98
73) Isopropylbenzene	12.464	105	775034	53.083	ug/l		98
74) N-amyl acetate	12.269	43	214488	54.340	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	171707	55.405	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	123275m	53.061	ug/l		
77) Bromobenzene	12.745	156	174785	55.328	ug/l		93
78) n-propylbenzene	12.800	91	936246	52.211	ug/l		99
79) 2-Chlorotoluene	12.891	91	560072	52.311	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	645113	52.683	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	55549	55.201	ug/l		98
82) 4-Chlorotoluene	12.983	91	589037	52.442	ug/l		100
83) tert-Butylbenzene	13.202	119	561026	53.787	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	658001	53.090	ug/l		100
85) sec-Butylbenzene	13.379	105	803827	51.317	ug/l		97
86) p-Isopropyltoluene	13.495	119	685162	52.921	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	344427	52.377	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	337723	52.427	ug/l		99
89) n-Butylbenzene	13.818	91	663246	52.221	ug/l		99
90) Hexachloroethane	14.086	117	121255	54.161	ug/l		94
91) 1,2-Dichlorobenzene	13.860	146	304656	52.276	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30765	54.947	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	187220	53.269	ug/l		92
94) Hexachlorobutadiene	15.226	225	85665	51.438	ug/l		95
95) Naphthalene	15.360	128	476978	55.201	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	170625	53.582	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

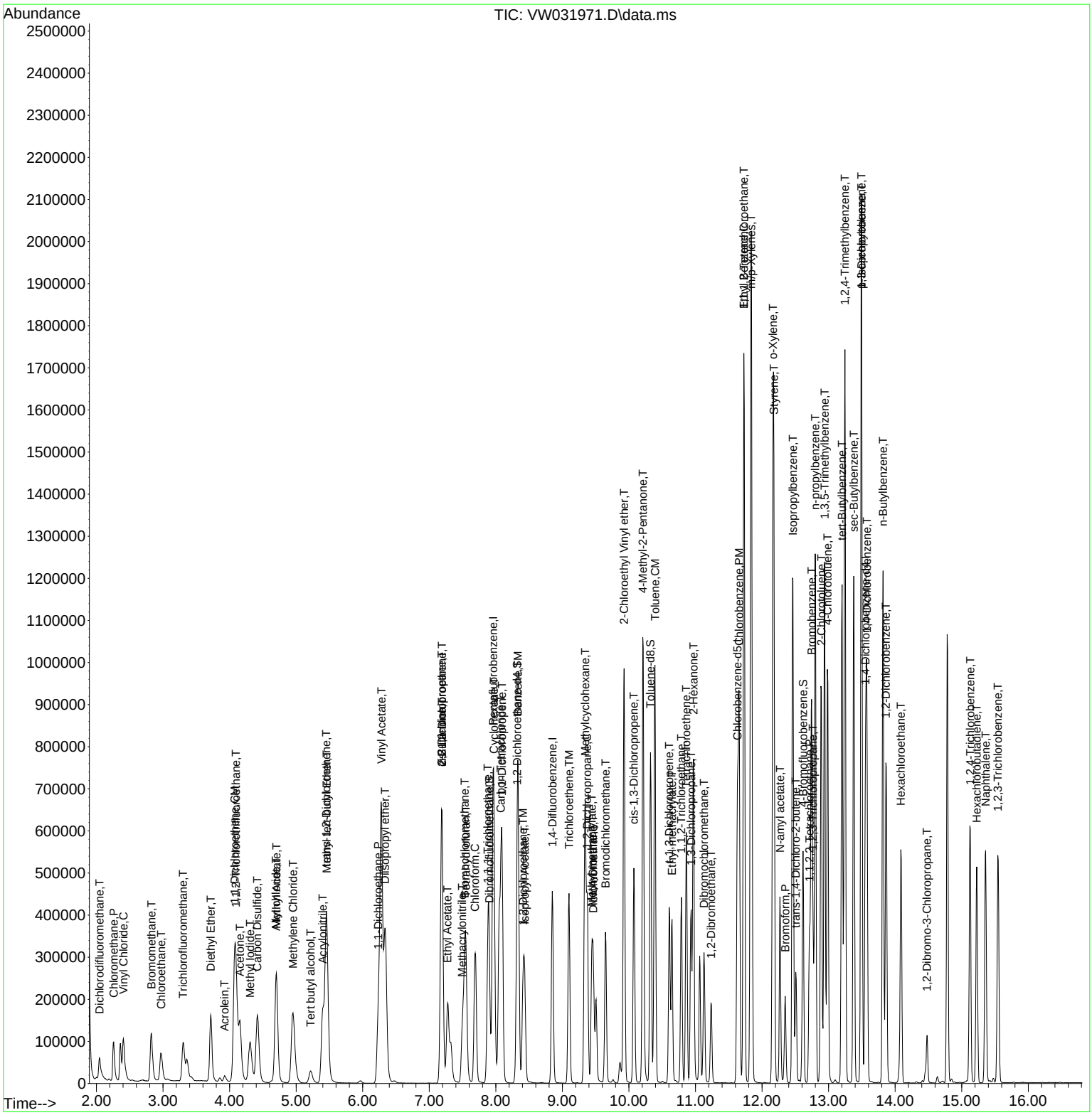
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Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

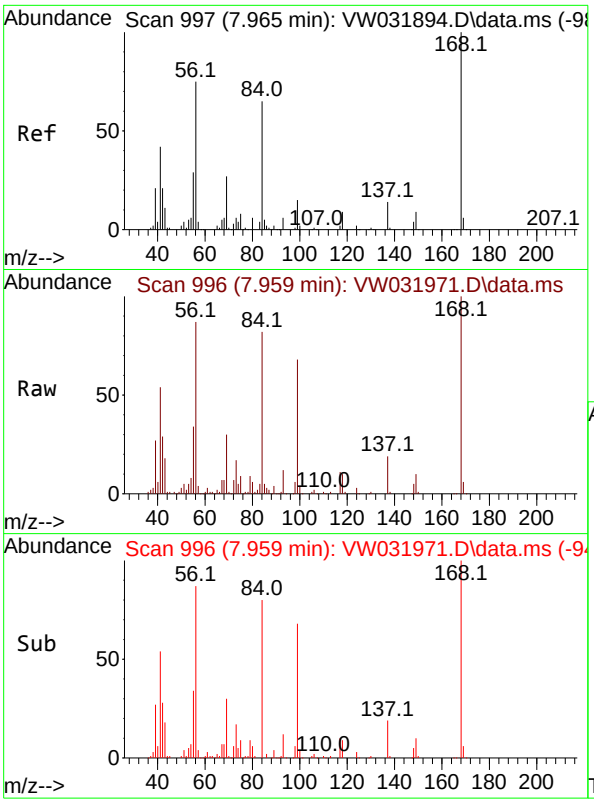
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Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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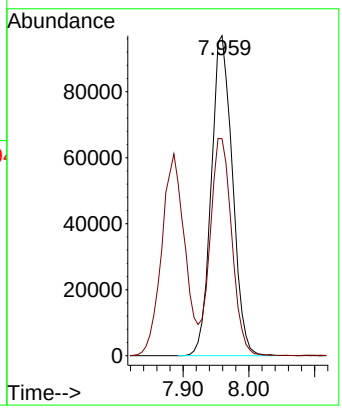




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:168 Resp: 21735

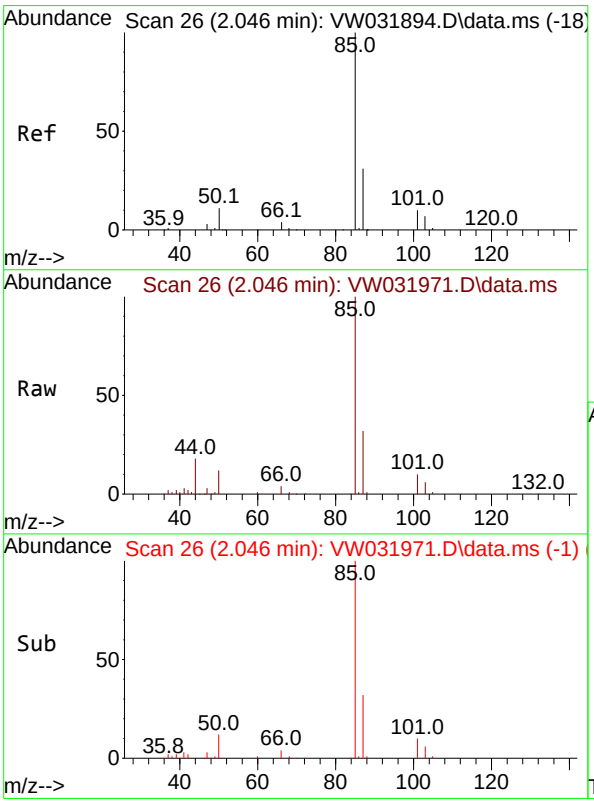
Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

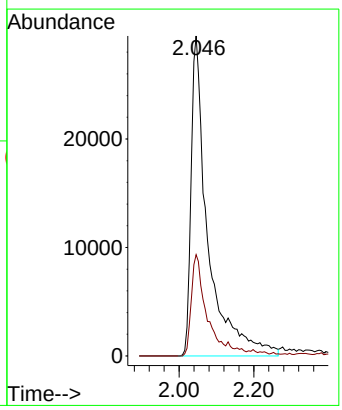
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

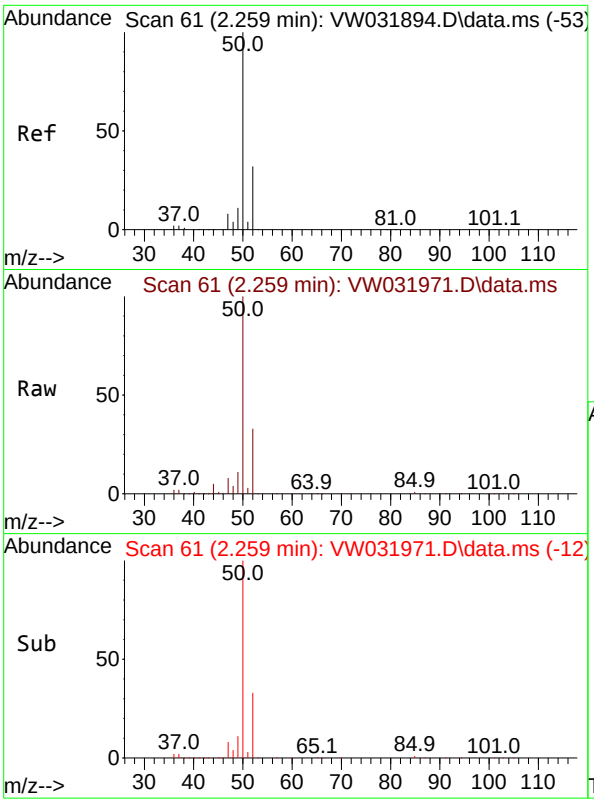


#2
Dichlorodifluoromethane
Concen: 57.106 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 85 Resp: 92251

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.5	46.5

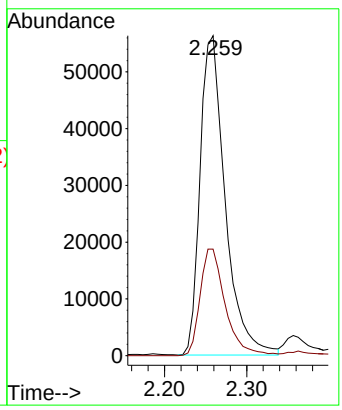




#3
Chloromethane
Concen: 57.631 ug/l
RT: 2.259 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 50 Resp: 11949

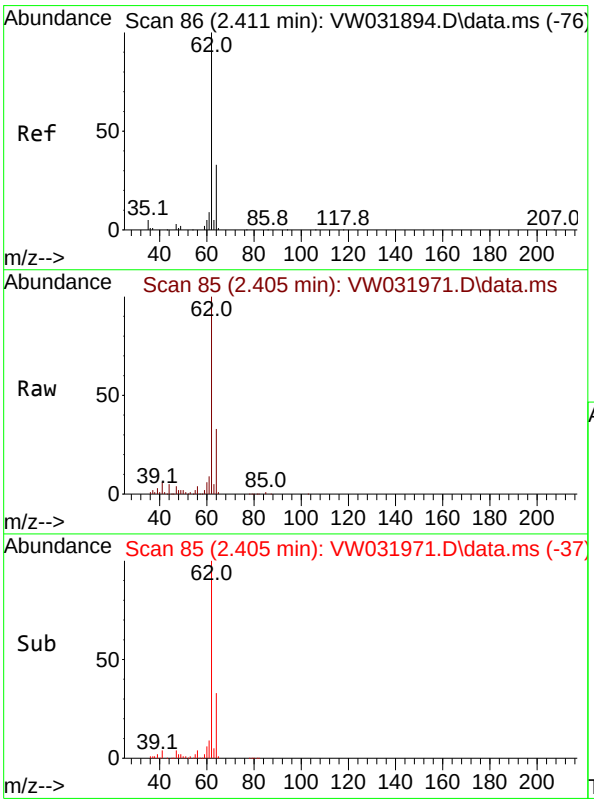
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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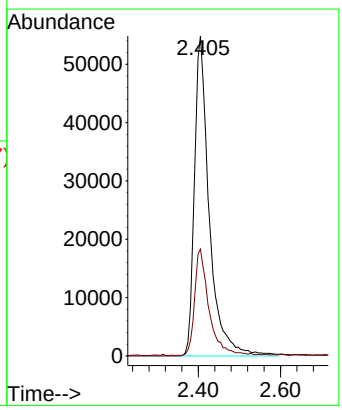
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

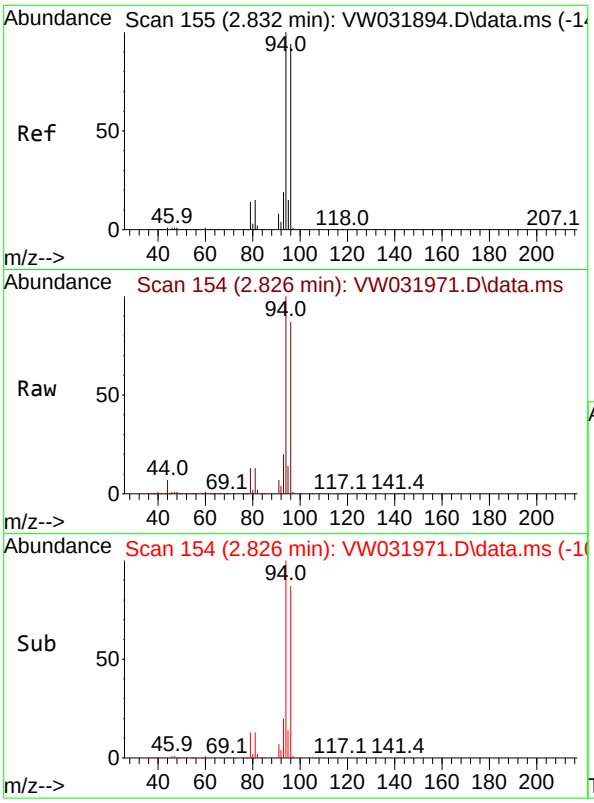


#4
Vinyl Chloride
Concen: 50.910 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 62 Resp: 137124

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.2





#5
Bromomethane
Concen: 55.049 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

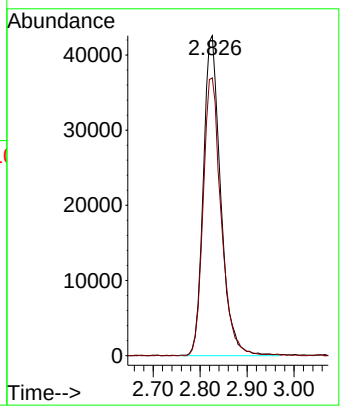
Tgt Ion: 94 Resp: 10918

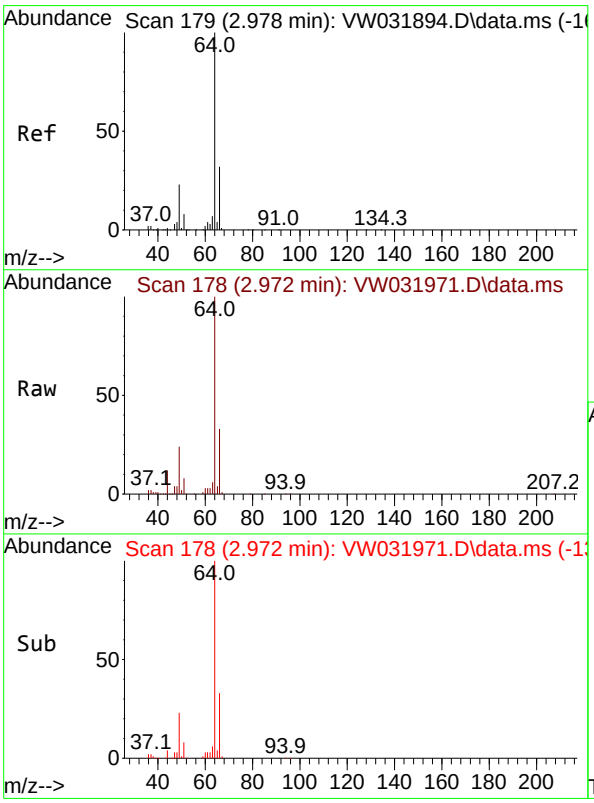
Ion	Ratio	Lower	Upper
94	100		
96	86.8	75.0	112.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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Supervised By :Semsettin Yesilyurt 08/04/2025

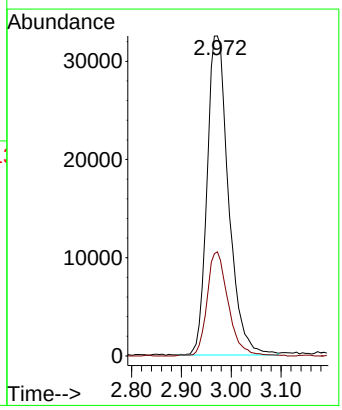


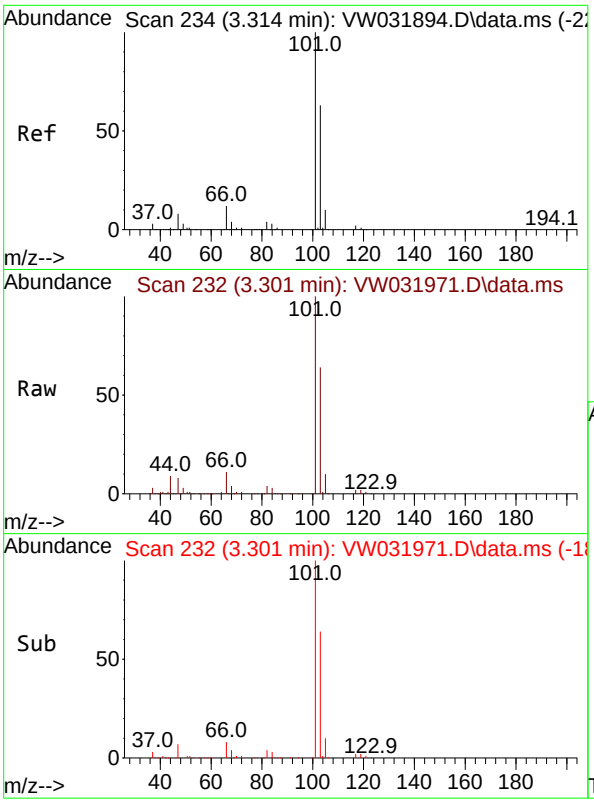


#6
Chloroethane
Concen: 54.684 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 64 Resp: 97210

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.6	38.4





#7
Trichlorofluoromethane
Concen: 44.312 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

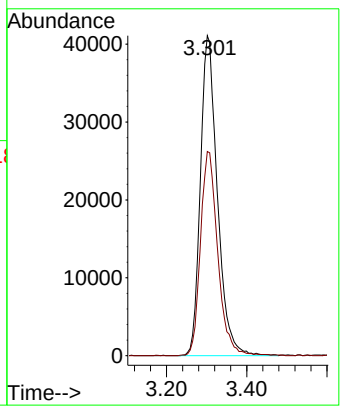
Tgt Ion:101 Resp: 12088

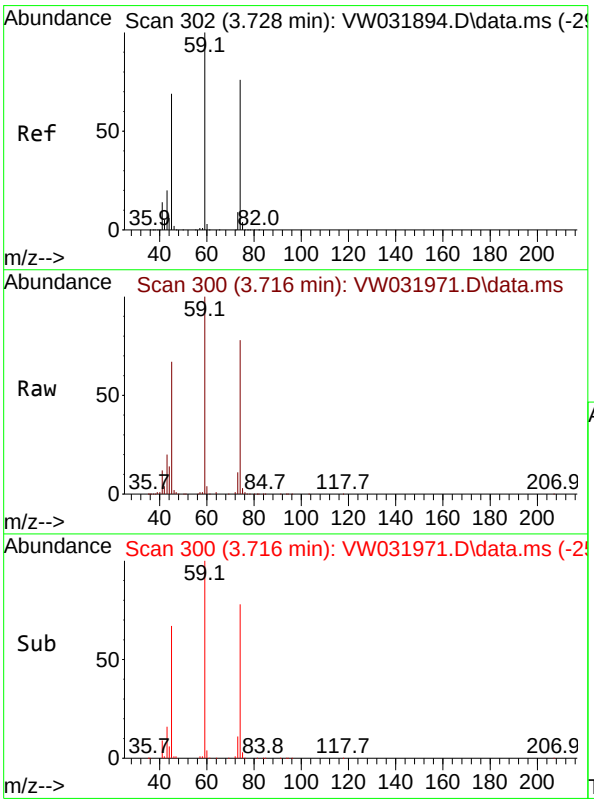
Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.7	76.1

Instrument :
MSVOA_W
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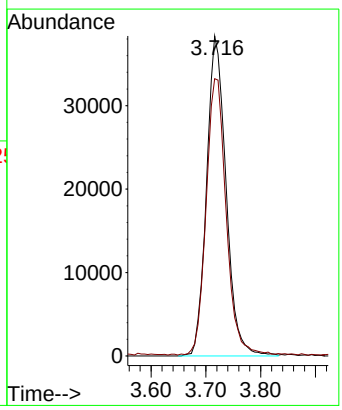


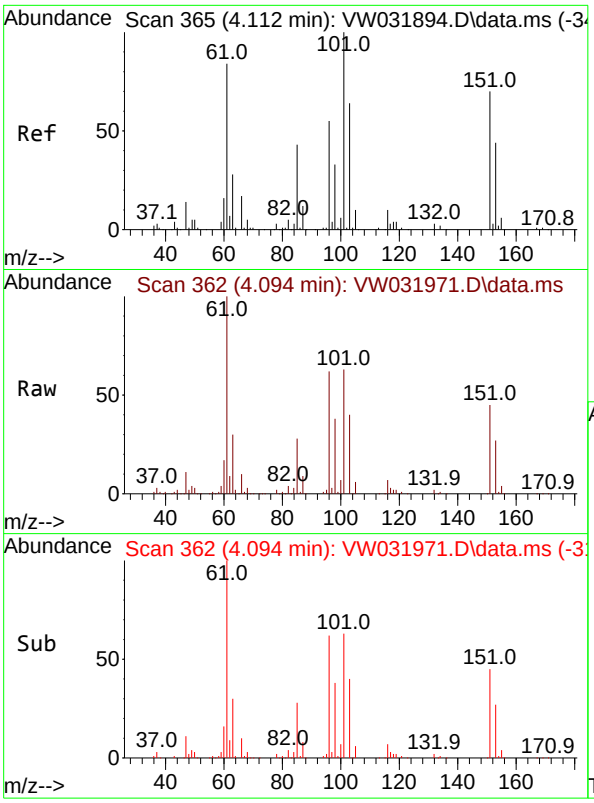


#8
Diethyl Ether
Concen: 51.846 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 74 Resp: 94479

Ion	Ratio	Lower	Upper
74	100		
45	88.7	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.402 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

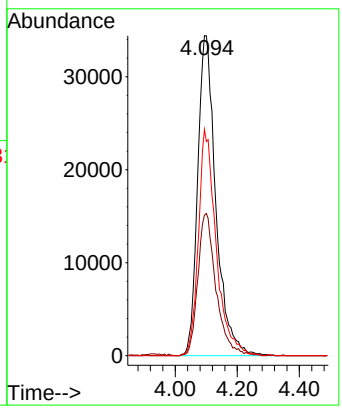
Tgt Ion:101 Resp: 14012

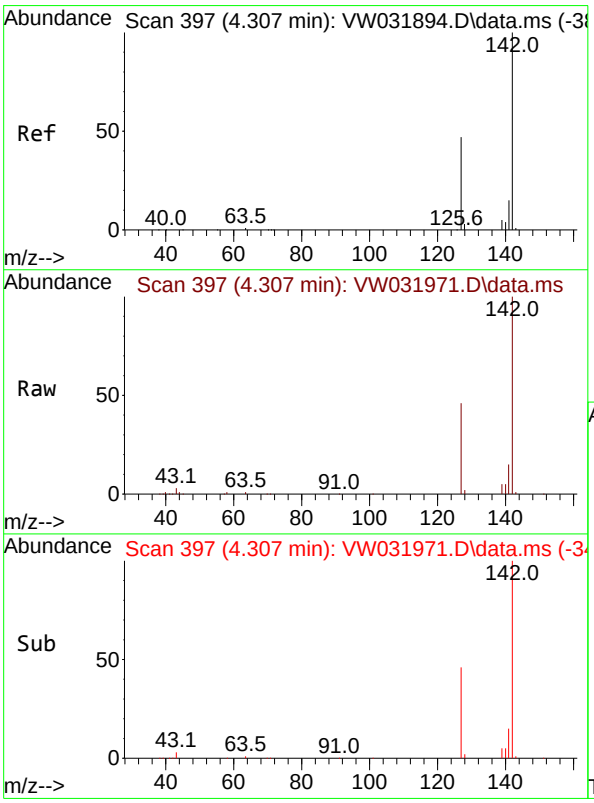
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	69.0	54.6	81.8

Instrument :
MSVOA_W
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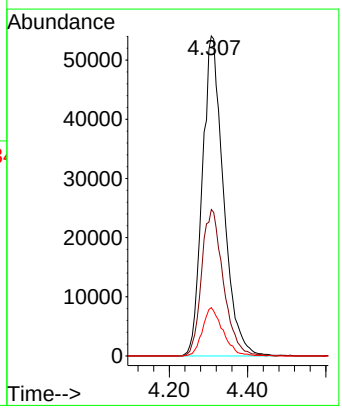


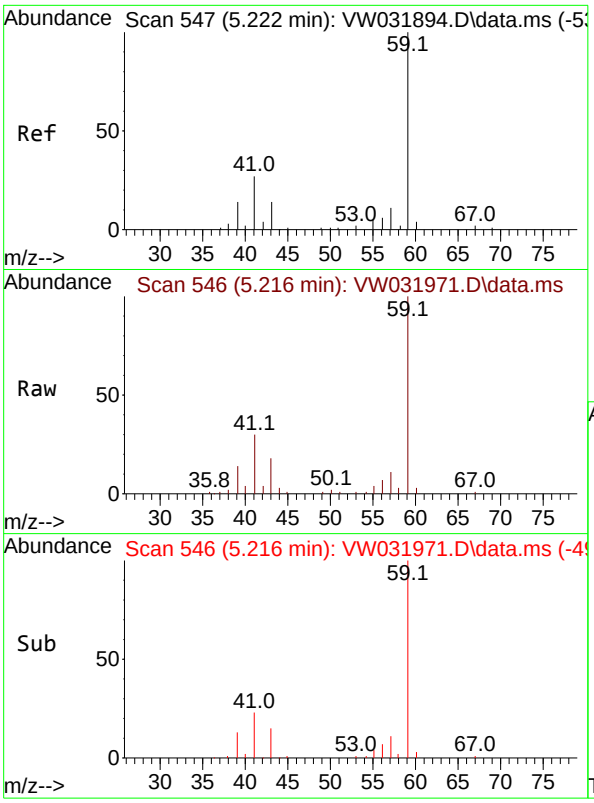


#10
Methyl Iodide
Concen: 51.469 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:142 Resp: 201927

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.4	56.2
141	14.7	11.9	17.9





#11
Tert butyl alcohol
Concen: 288.537 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

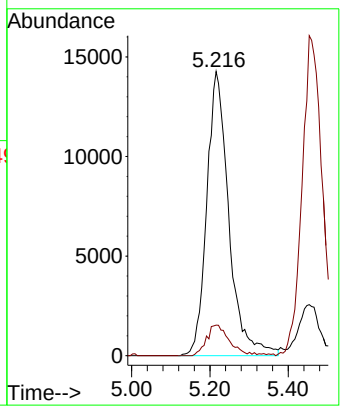
Tgt Ion: 59 Resp: 5576

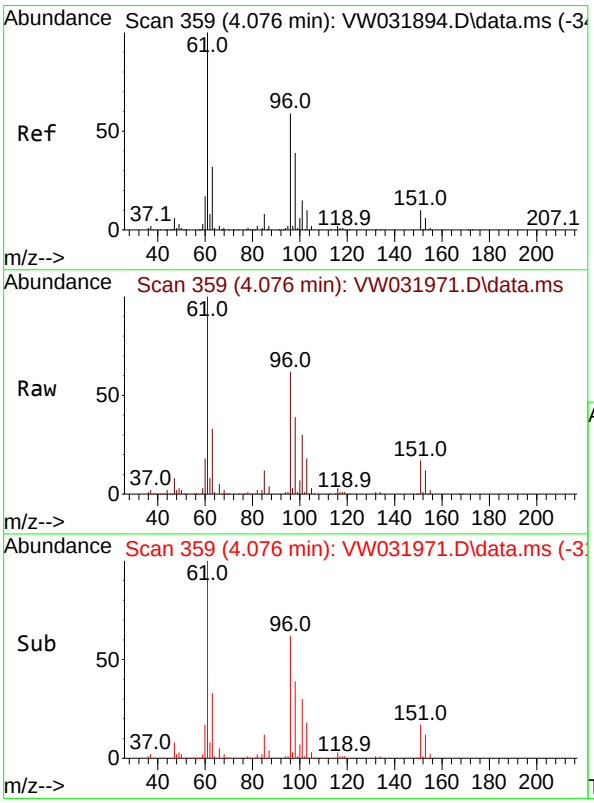
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

Instrument :
MSVOA_W
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VSTDCCC050

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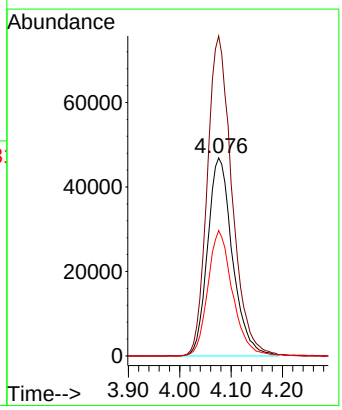


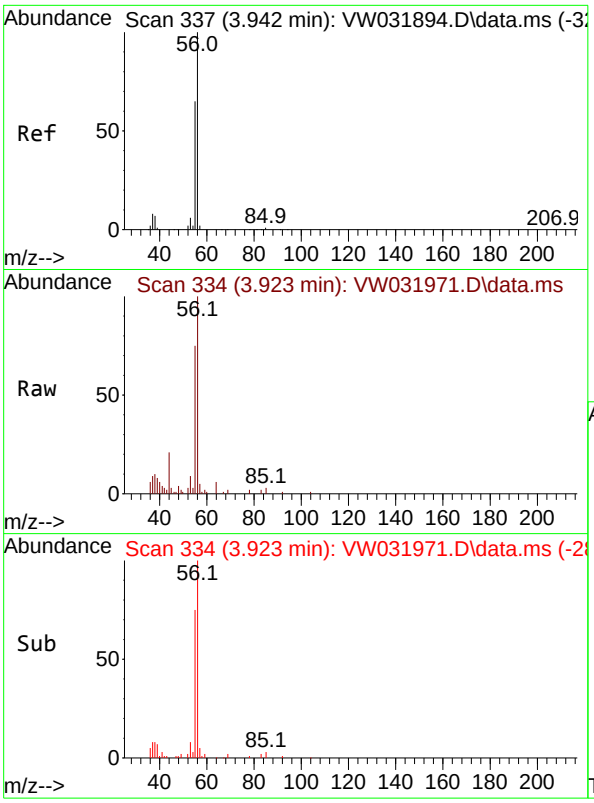


#12
1,1-Dichloroethene
Concen: 54.504 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 96 Resp: 157964

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.0	202.6
98	63.3	52.3	78.5

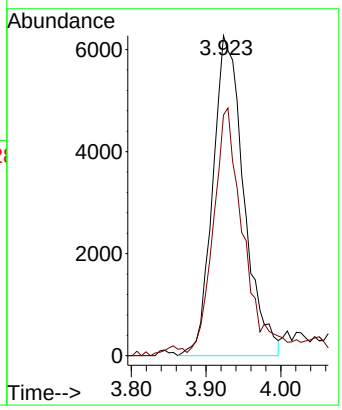




#13
Acrolein
Concen: 59.978 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.019 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 56 Resp: 1814

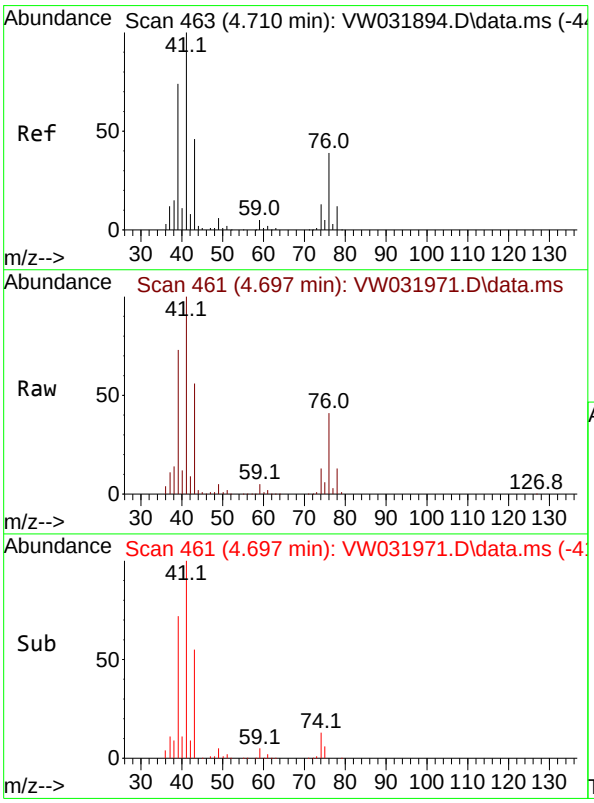
Ion	Ratio	Lower	Upper
56	100		
55	74.6	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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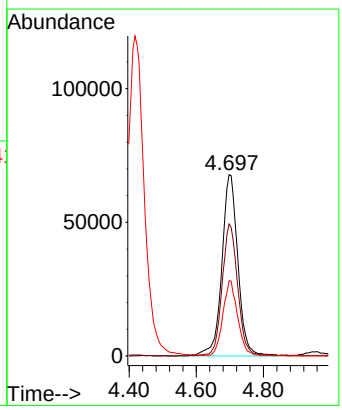
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

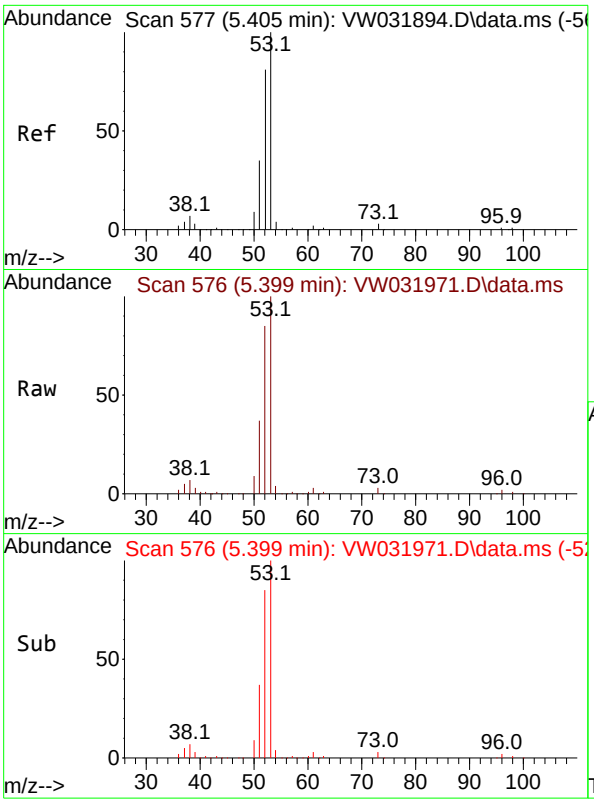


#14
Allyl chloride
Concen: 49.935 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 41 Resp: 225292

Ion	Ratio	Lower	Upper
41	100		
39	69.9	56.6	85.0
76	37.9	30.1	45.1

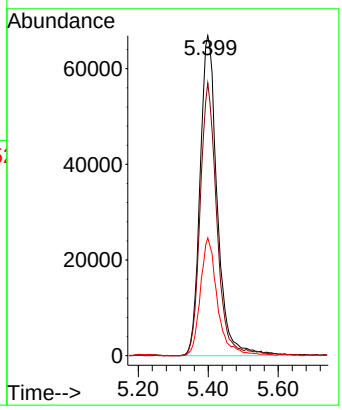




#15
Acrylonitrile
Concen: 279.999 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 53 Resp: 22811

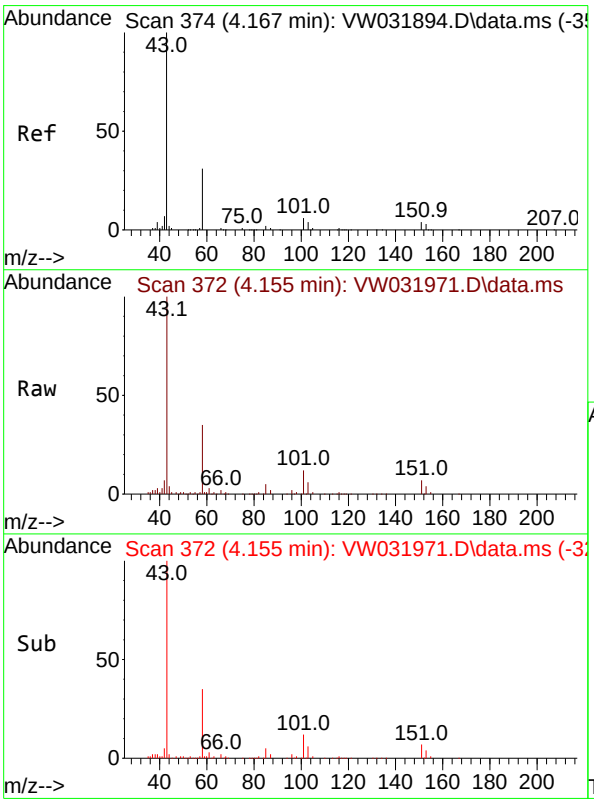
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.0	100.4
51	36.5	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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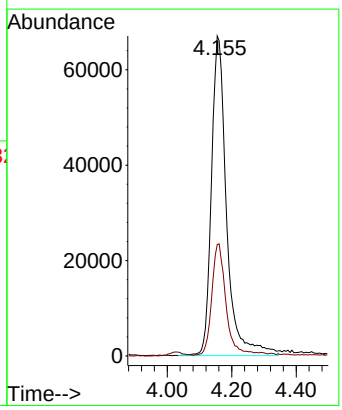
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

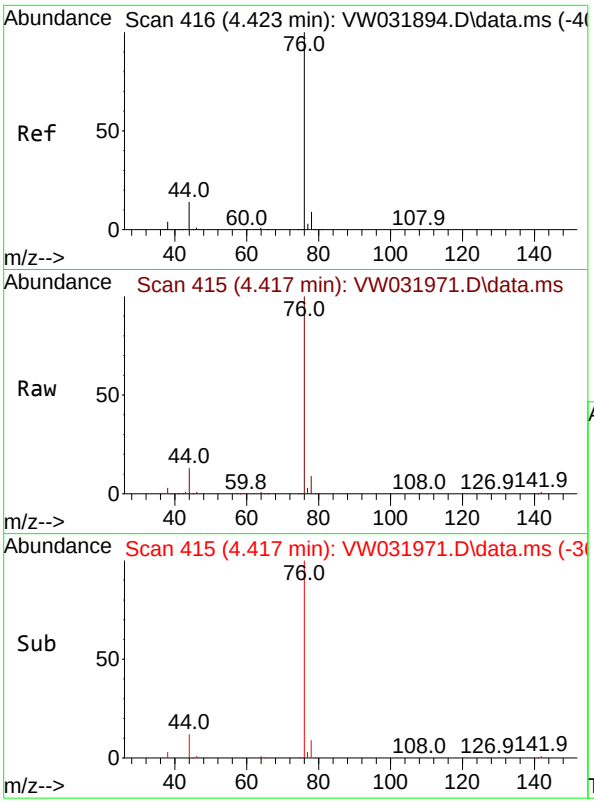


#16
Acetone
Concen: 280.500 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 218857

Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.5	38.3





#17
Carbon Disulfide
Concen: 55.366 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

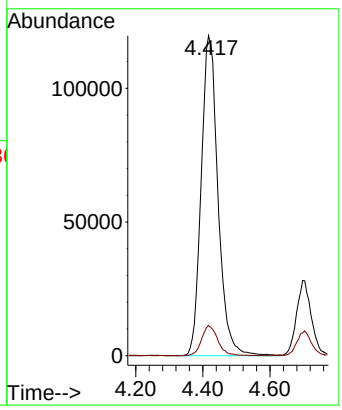
Tgt Ion: 76 Resp: 41615

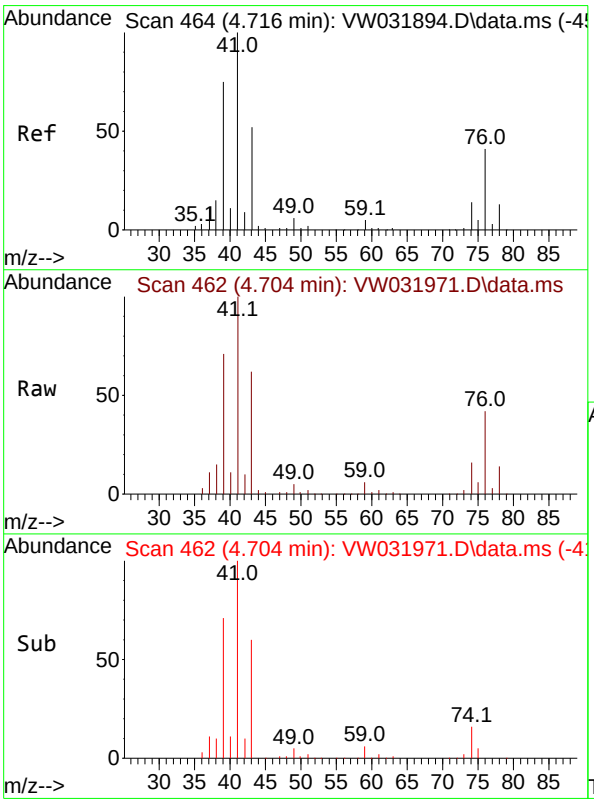
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

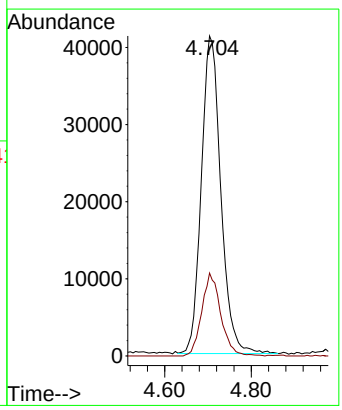


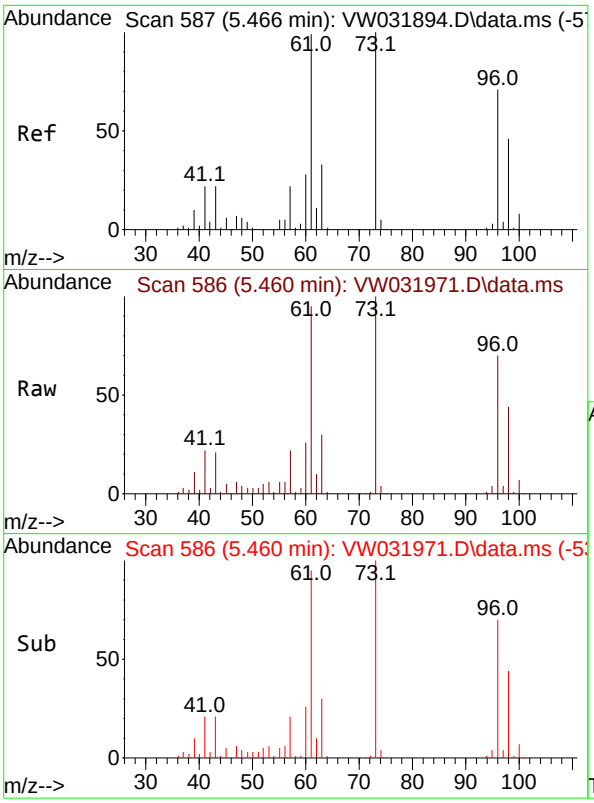


#18
Methyl Acetate
Concen: 59.882 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 128723

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.6	31.0





#19
Methyl tert-butyl Ether
Concen: 52.743 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

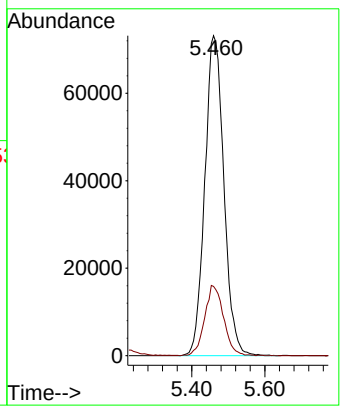
Tgt Ion: 73 Resp: 26411

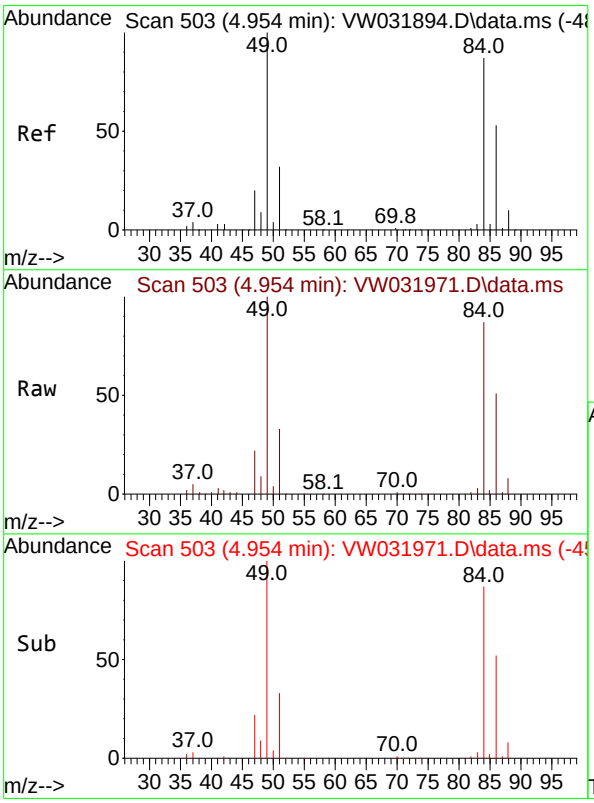
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

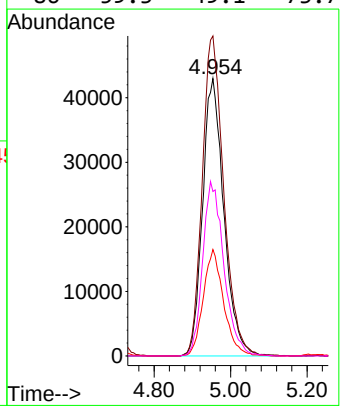


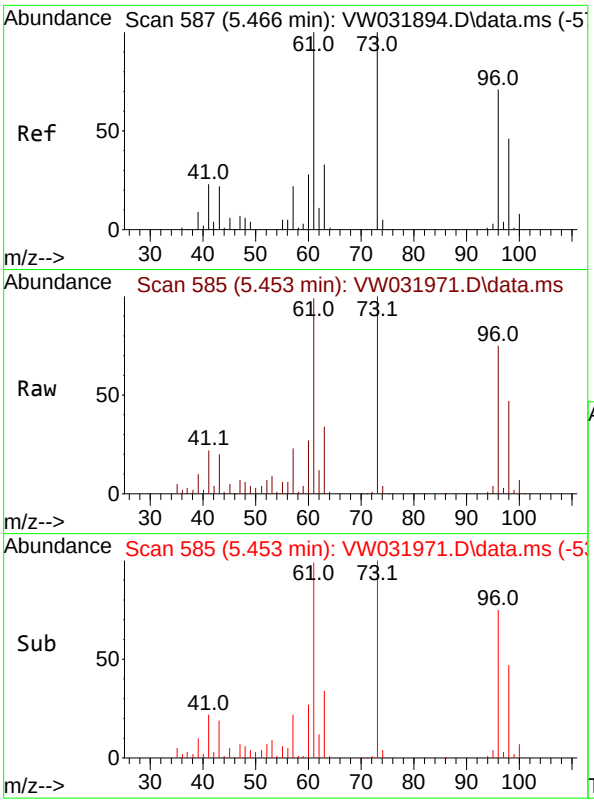


#20
Methylene Chloride
Concen: 49.711 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 84 Resp: 165975

Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.9	137.9
51	38.4	29.0	43.6
86	59.3	49.1	73.7

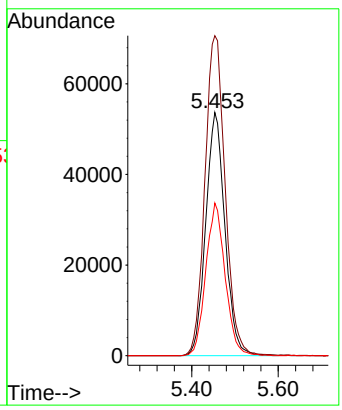




#21
trans-1,2-Dichloroethene
Concen: 53.778 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 96 Resp: 16537

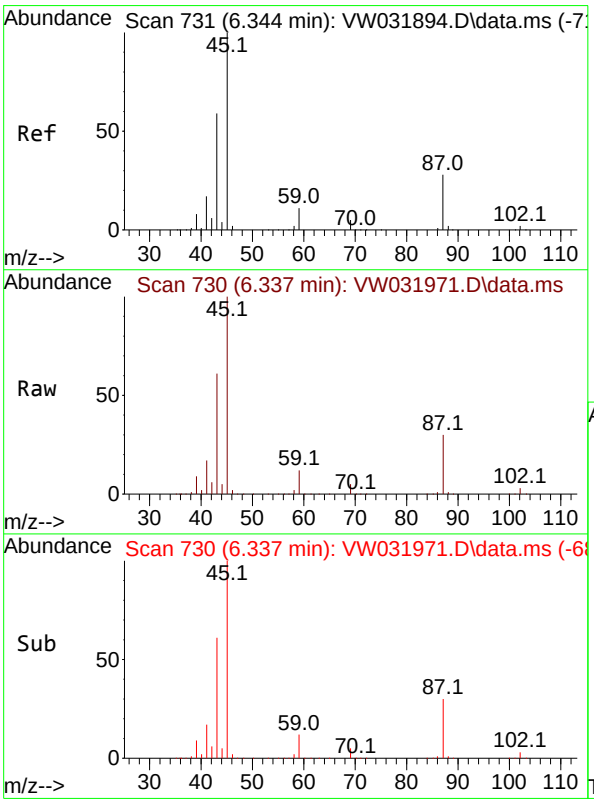
Ion	Ratio	Lower	Upper
96	100		
61	131.6	112.8	169.2
98	62.8	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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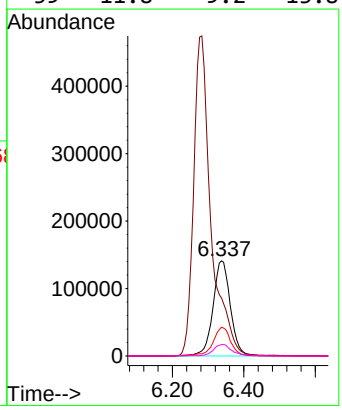
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

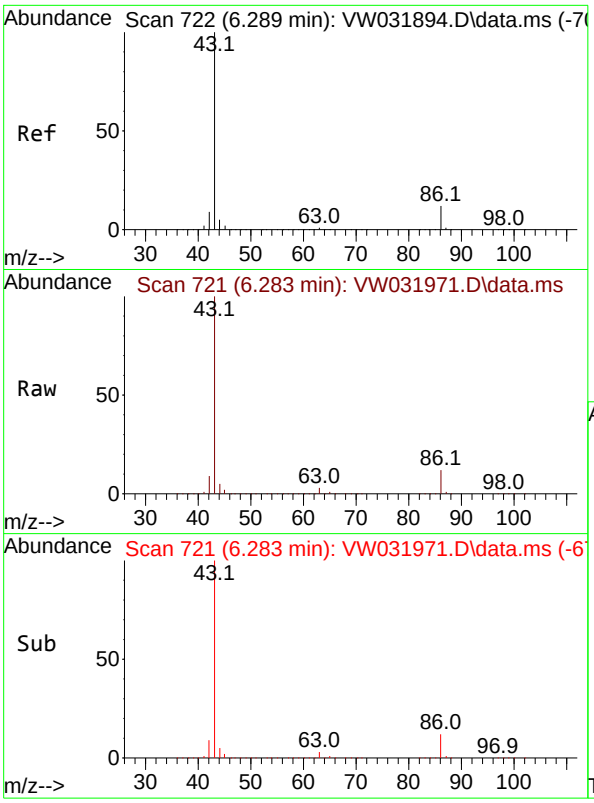


#22
Diisopropyl ether
Concen: 52.539 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 45 Resp: 474322

Ion	Ratio	Lower	Upper
45	100		
43	60.4	47.0	70.6
87	30.2	22.8	34.2
59	11.8	9.2	13.8





#23
Vinyl Acetate
Concen: 270.216 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

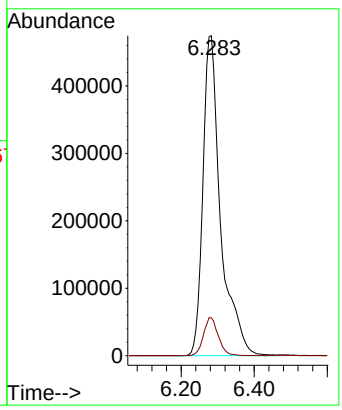
Tgt Ion: 43 Resp: 159376

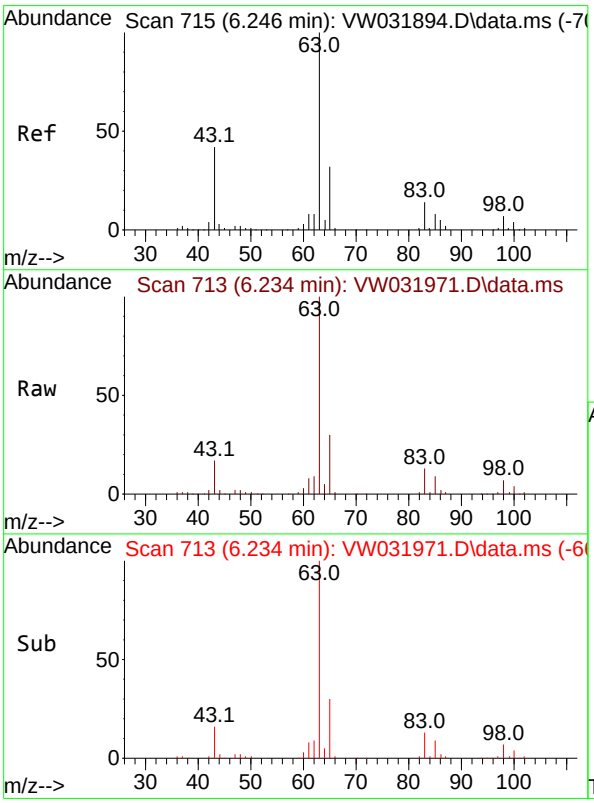
Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

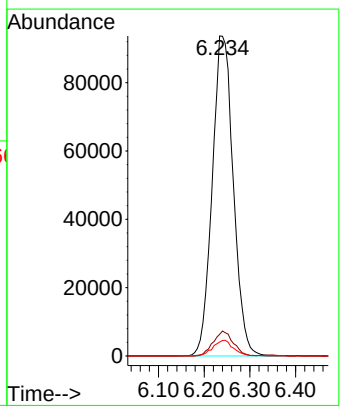


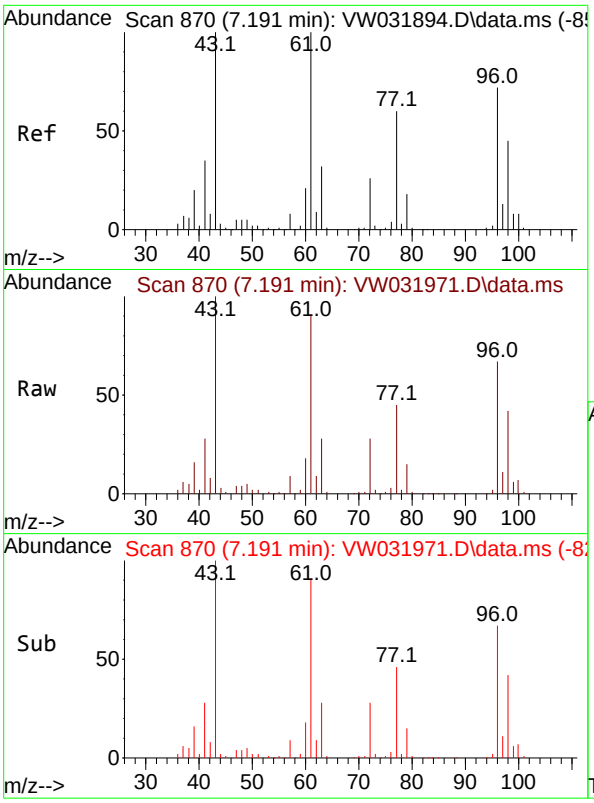


#24
1,1-Dichloroethane
Concen: 53.466 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 63 Resp: 300526

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.9
100	4.3	2.2	6.6

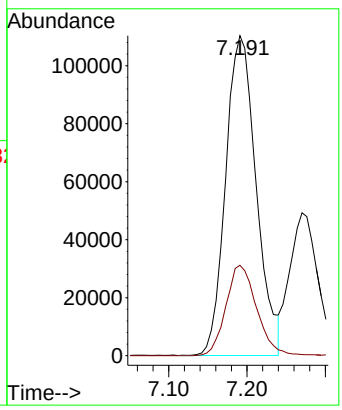




#25
2-Butanone
Concen: 280.867 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 29983

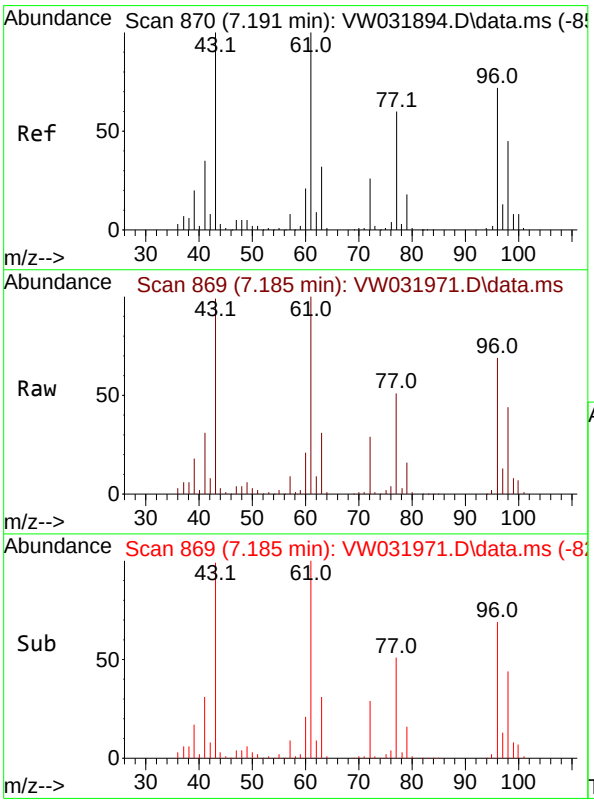
Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.8	31.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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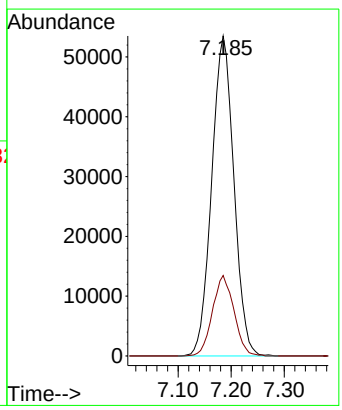
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

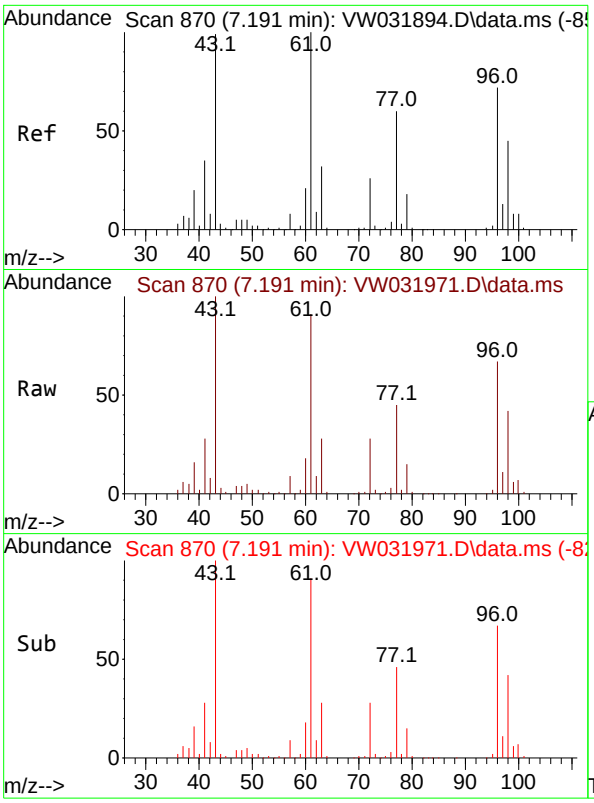


#26
2,2-Dichloropropane
Concen: 48.877 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 77 Resp: 155538

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 53.628 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

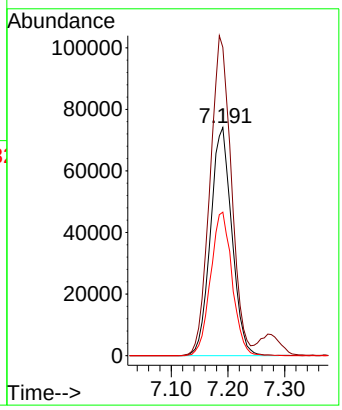
Tgt Ion: 96 Resp: 19387

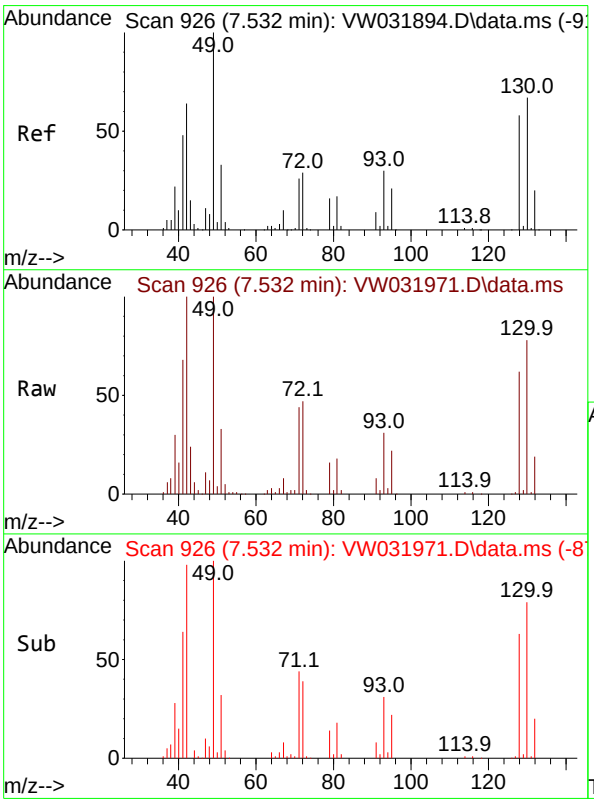
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	280.2
98	63.5	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

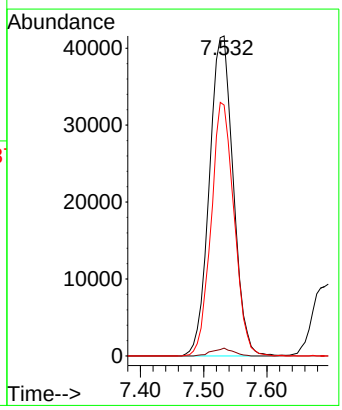


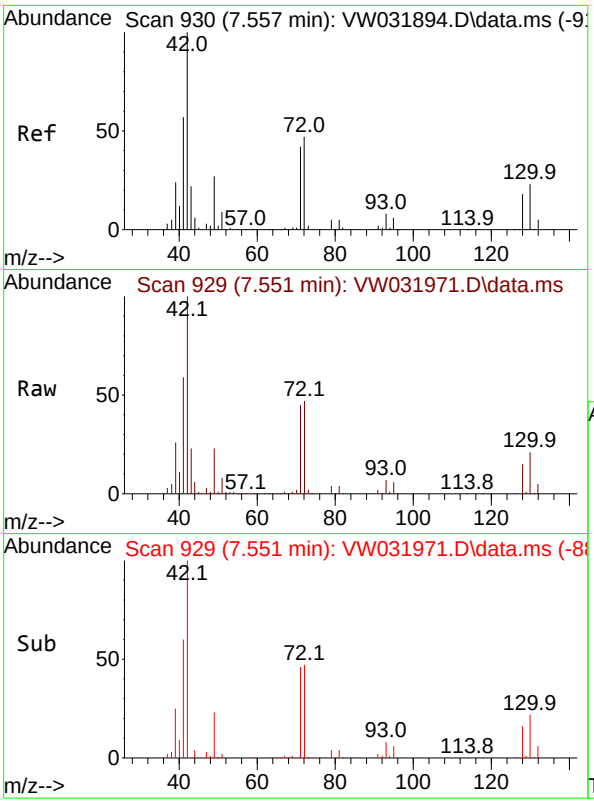


#28
Bromochloromethane
Concen: 46.312 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 49 Resp: 108992

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.2	59.0	88.4





#29
Tetrahydrofuran
Concen: 284.086 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

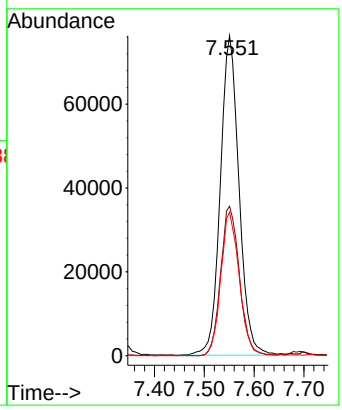
Tgt Ion: 42 Resp: 19883

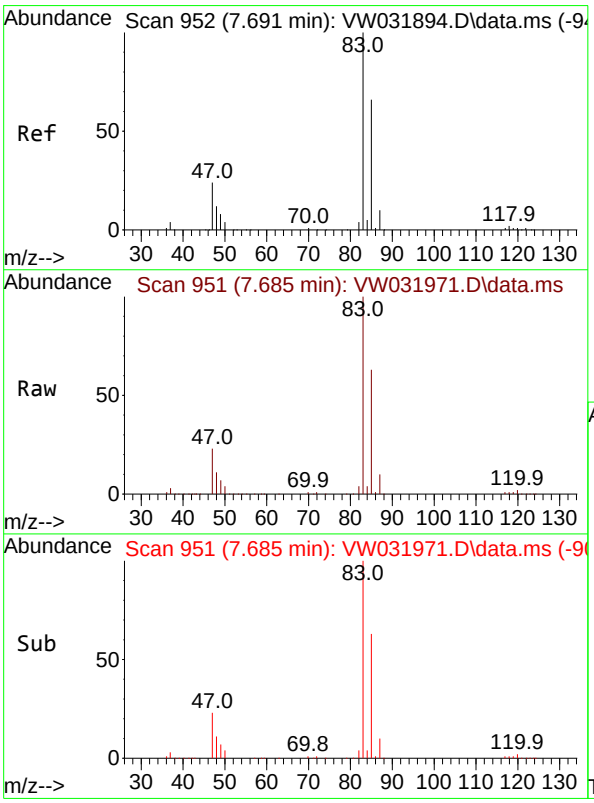
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.6
71	44.3	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

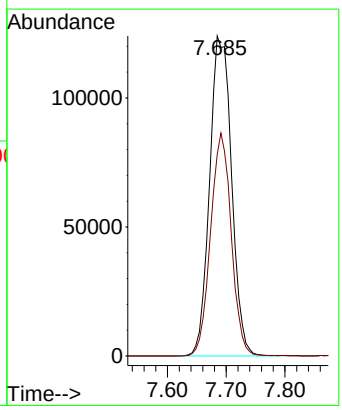


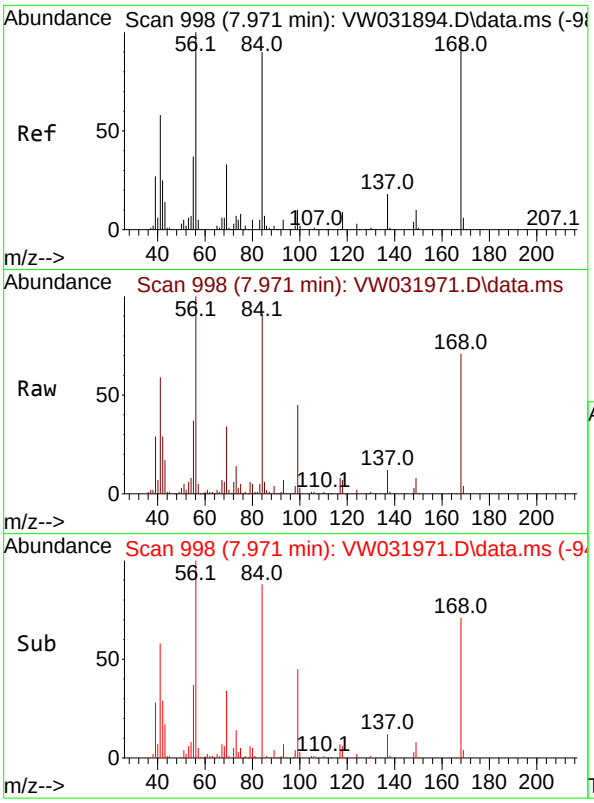


#30
Chloroform
Concen: 54.561 ug/l
RT: 7.685 min Scan# 951
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 83 Resp: 321556

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8

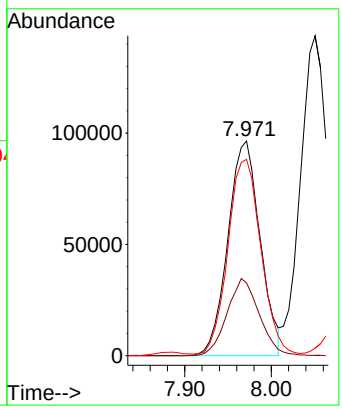




#31
Cyclohexane
Concen: 49.349 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 56 Resp: 24885

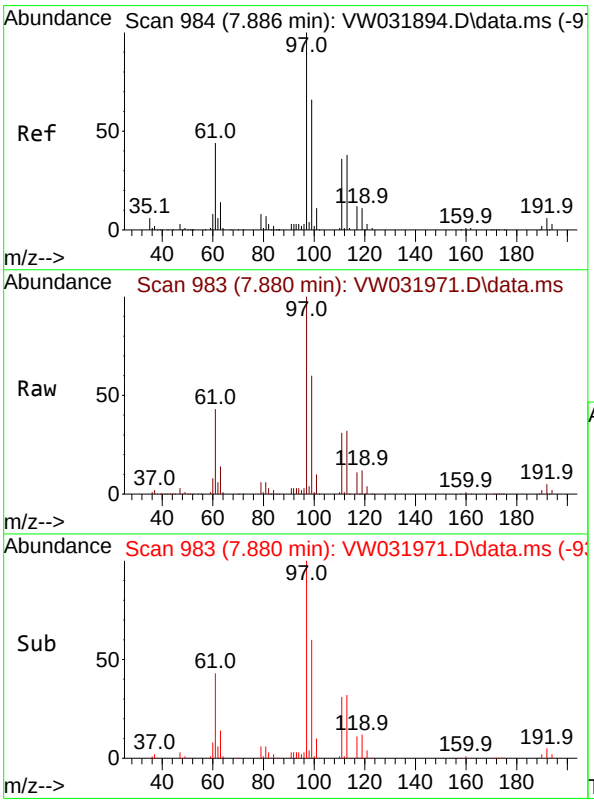
Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.7	40.1
84	90.0	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

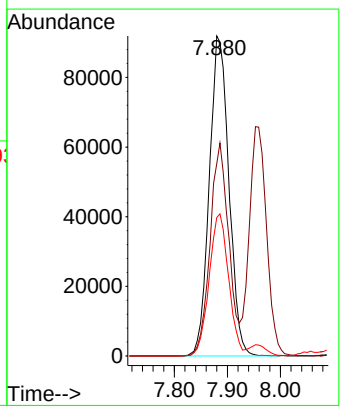
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

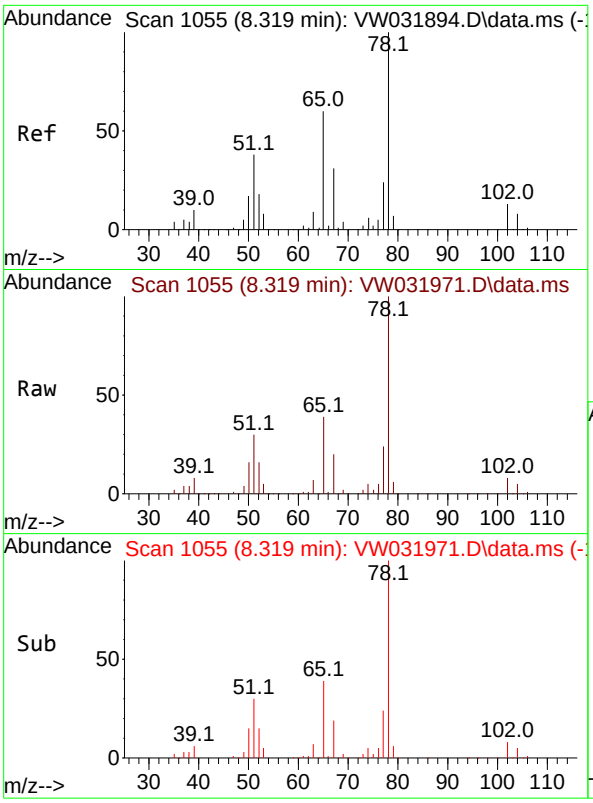


#32
1,1,1-Trichloroethane
Concen: 52.529 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 97 Resp: 235576

Ion	Ratio	Lower	Upper
97	100		
99	63.4	53.0	79.4
61	44.4	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 49.660 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

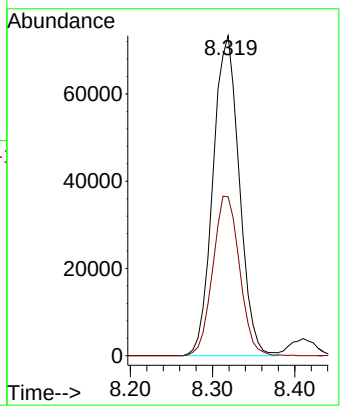
Tgt Ion: 65 Resp: 16328

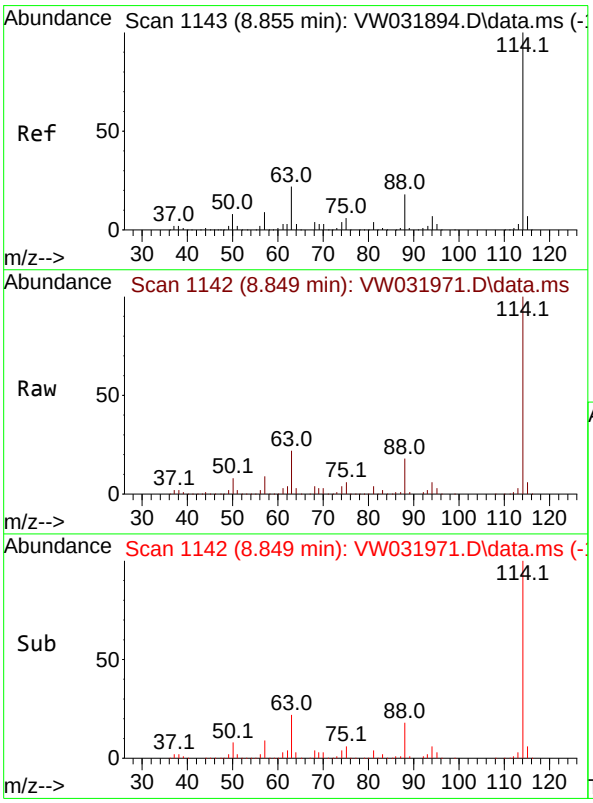
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

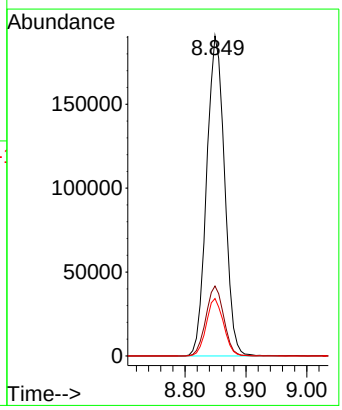


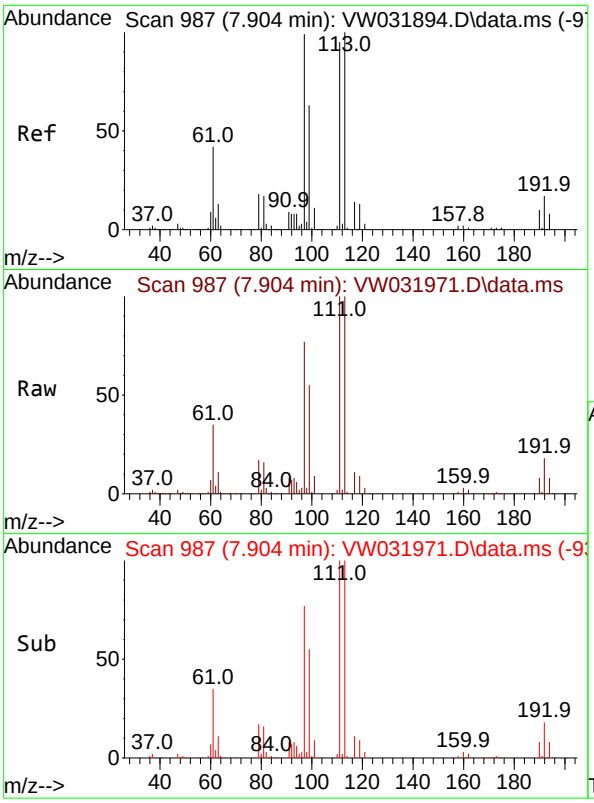


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:114 Resp: 389384

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	17.9	0.0	35.6





#35
Dibromofluoromethane
Concen: 53.665 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

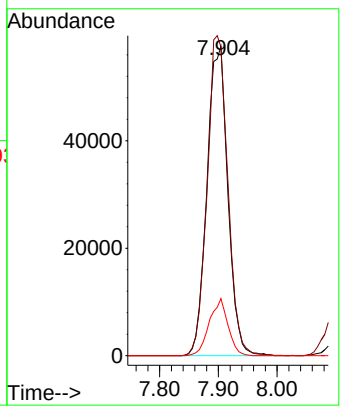
Tgt Ion:113 Resp: 14199

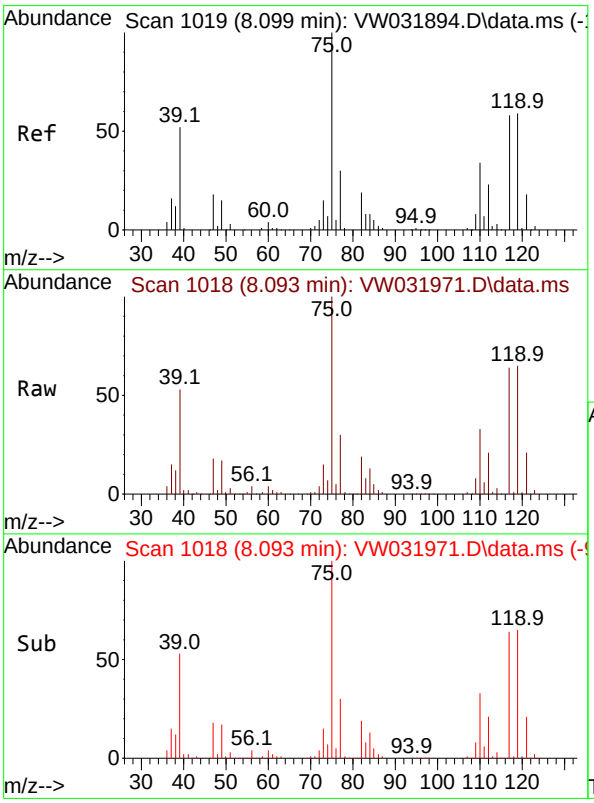
Ion	Ratio	Lower	Upper
113	100		
111	102.3	79.9	119.9
192	16.5	12.6	19.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

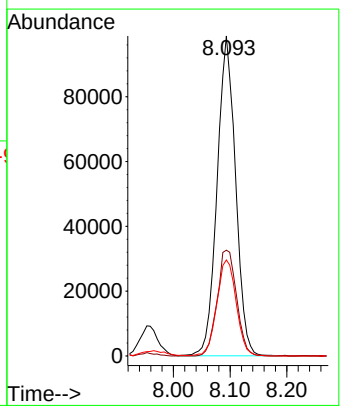


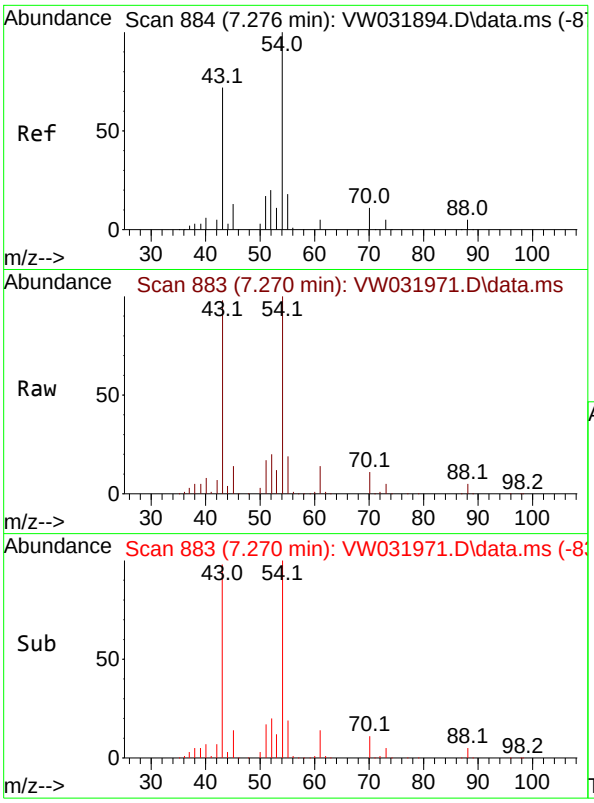


#36
1,1-Dichloropropene
Concen: 54.892 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 223048

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.0	50.9
77	31.6	25.1	37.7





#37
Ethyl Acetate
Concen: 55.082 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

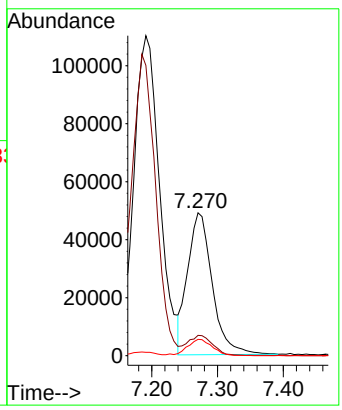
Tgt Ion: 43 Resp: 12767

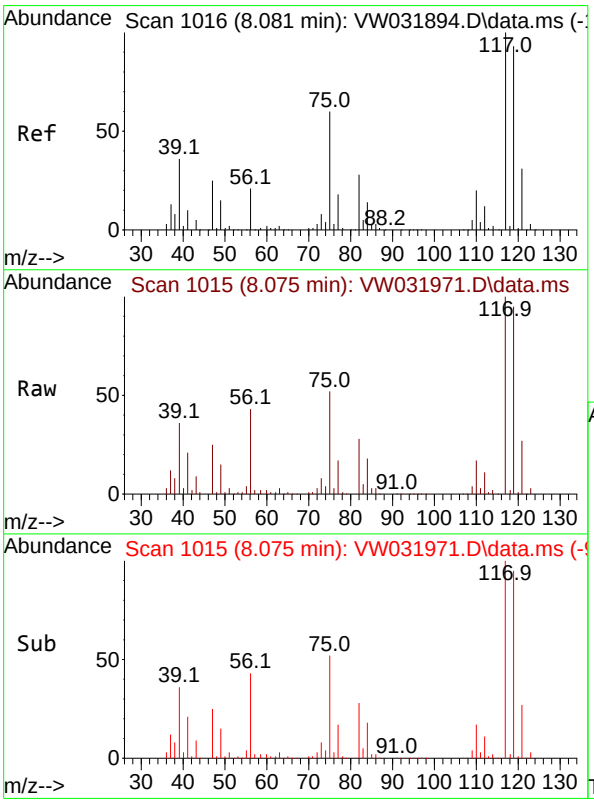
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	11.7	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

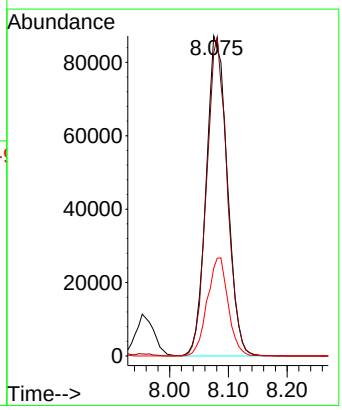


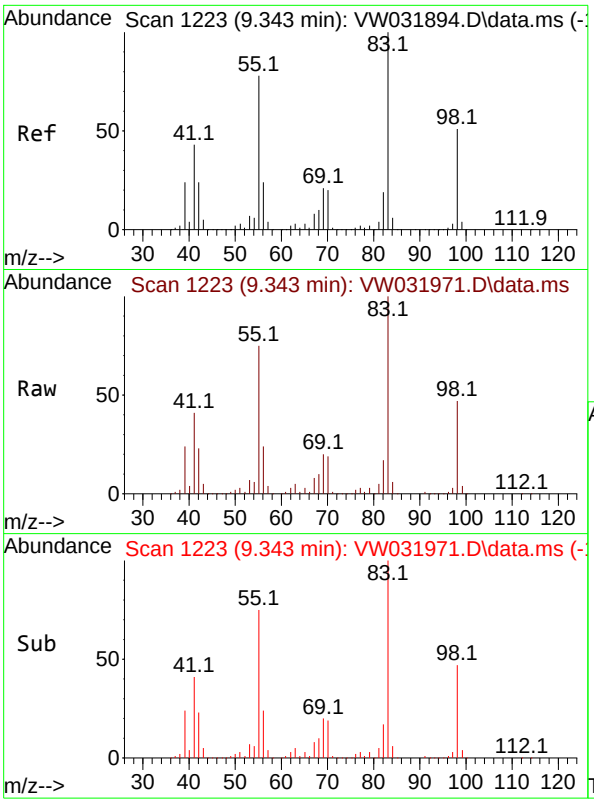


#38
Carbon Tetrachloride
Concen: 55.914 ug/l
RT: 8.075 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:117 Resp: 218047

Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.3	111.5
121	27.5	24.6	37.0





#39
Methylcyclohexane
Concen: 53.874 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

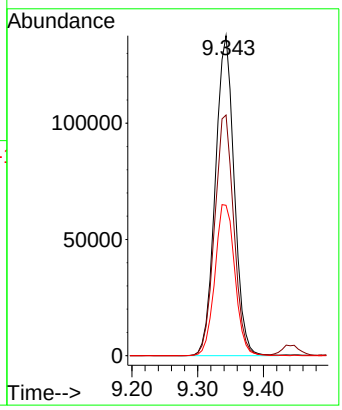
Tgt Ion: 83 Resp: 27549

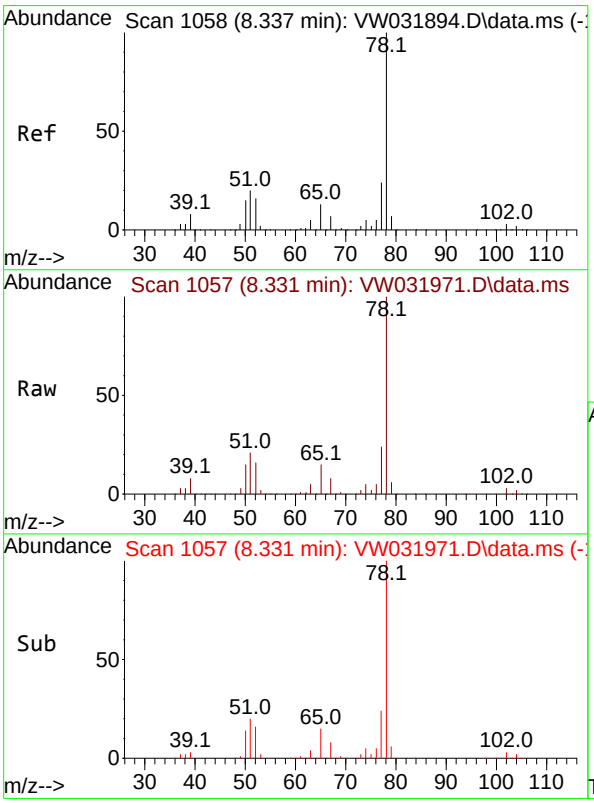
Ion	Ratio	Lower	Upper
83	100		
55	75.2	62.5	93.7
98	47.0	40.6	61.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

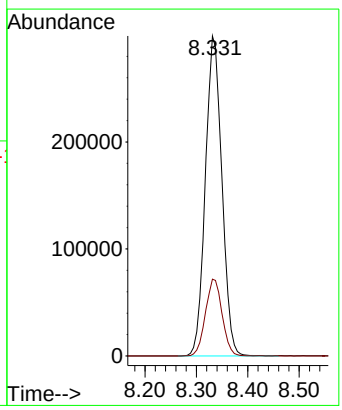


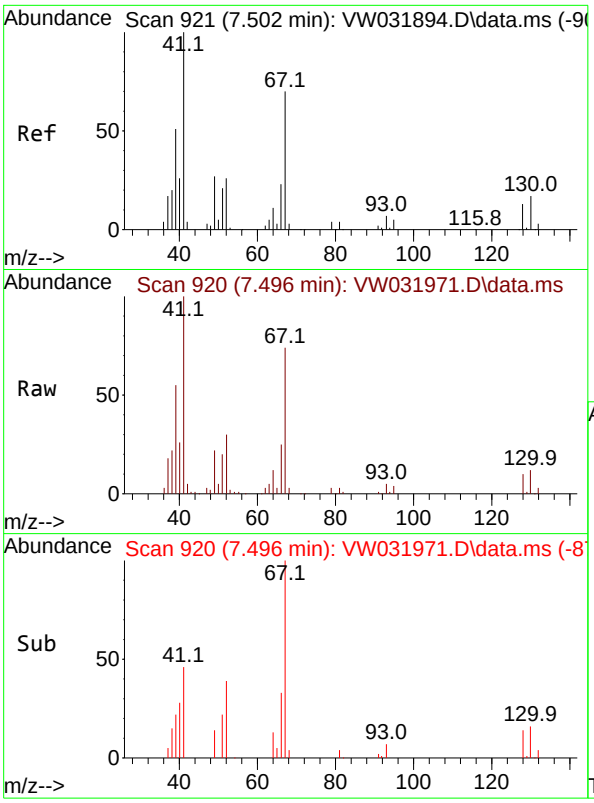


#40
Benzene
Concen: 55.601 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 78 Resp: 668793

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

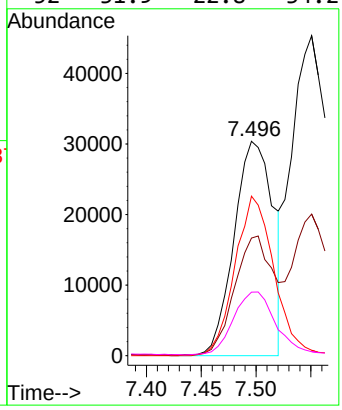




#41
Methacrylonitrile
Concen: 54.466 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 41 Resp: 7557

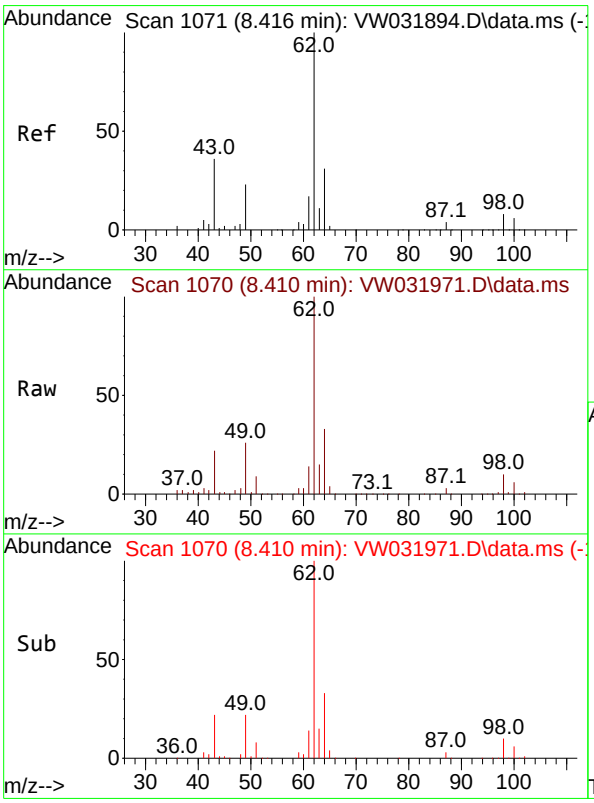
Ion	Ratio	Lower	Upper
41	100		
39	54.1	41.1	61.7
67	74.9	56.2	84.4
52	31.9	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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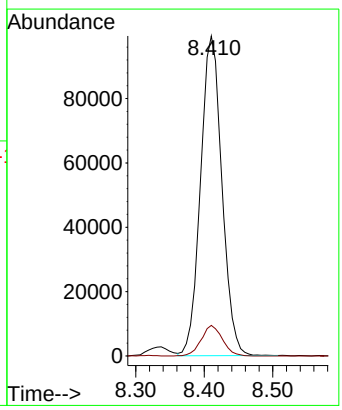
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

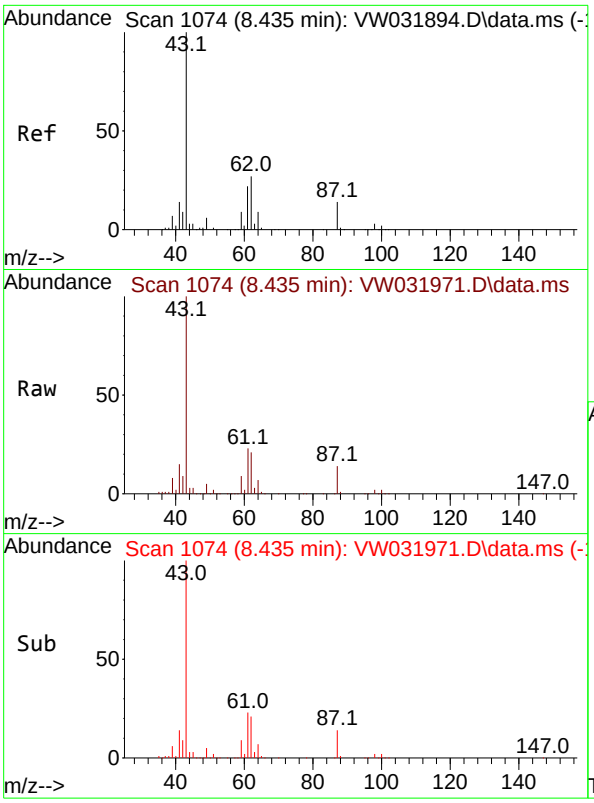


#42
1,2-Dichloroethane
Concen: 56.094 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 62 Resp: 215940

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 56.007 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

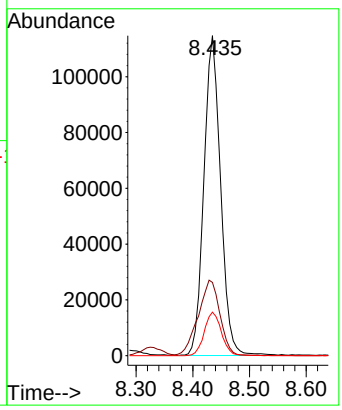
Tgt Ion: 43 Resp: 23502

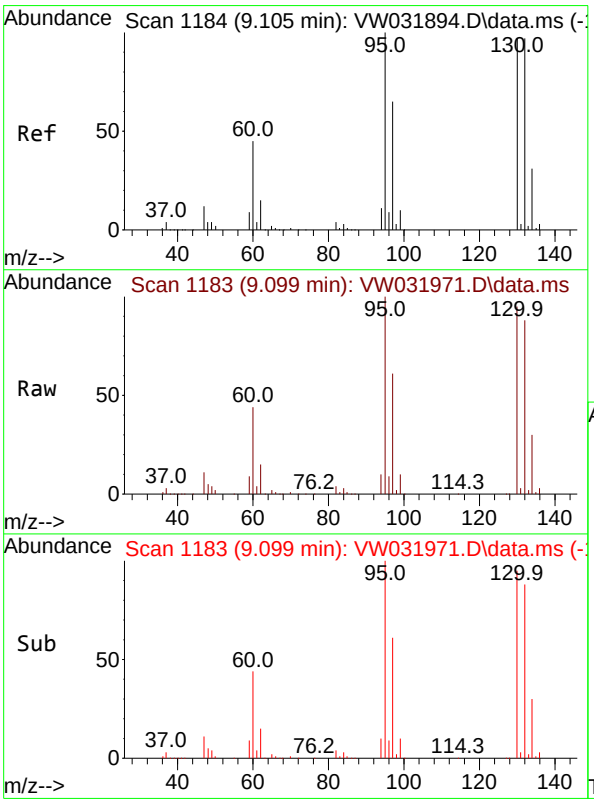
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.0	36.0
87	14.0	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

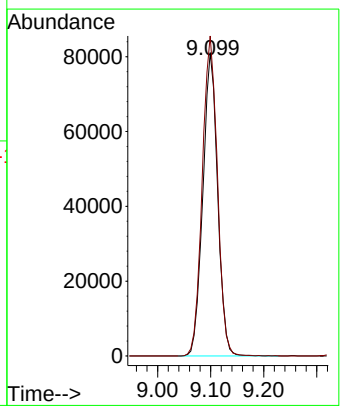


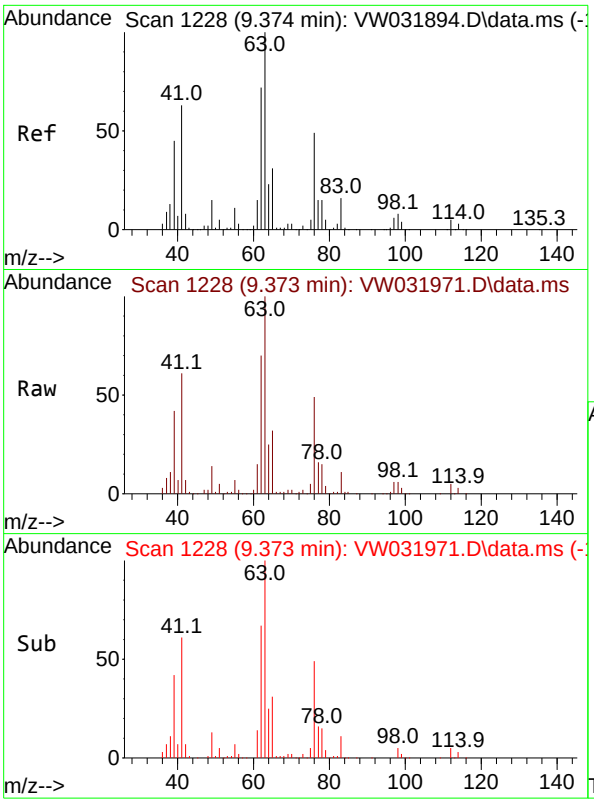


#44
Trichloroethene
Concen: 54.659 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:130 Resp: 156276

Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	206.4





#45
1,2-Dichloropropane
Concen: 55.778 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

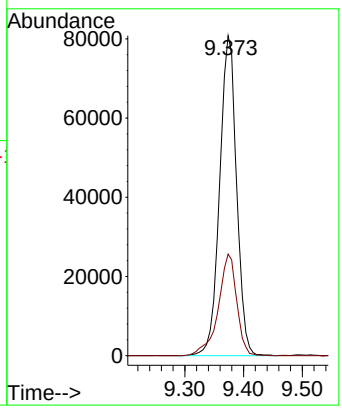
Tgt Ion: 63 Resp: 16158

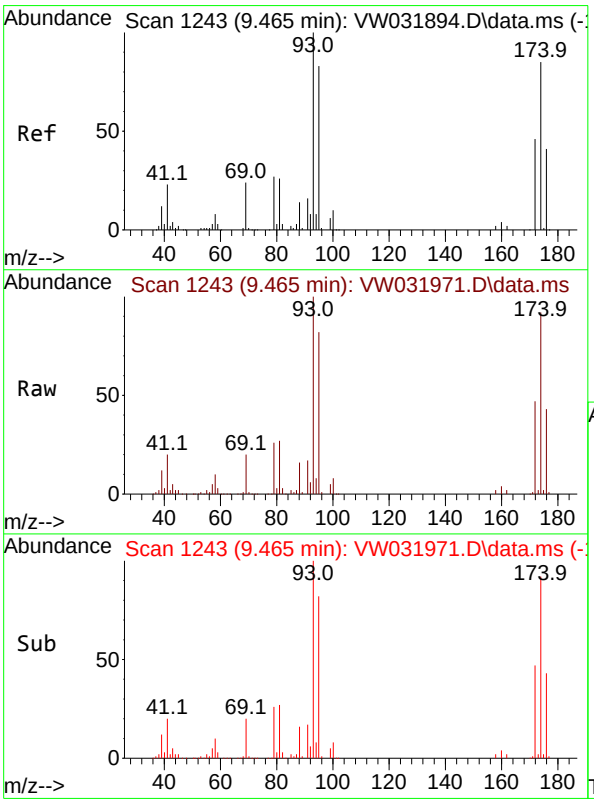
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

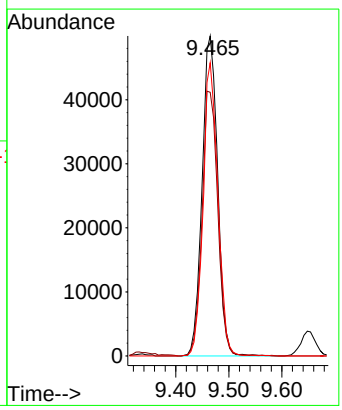


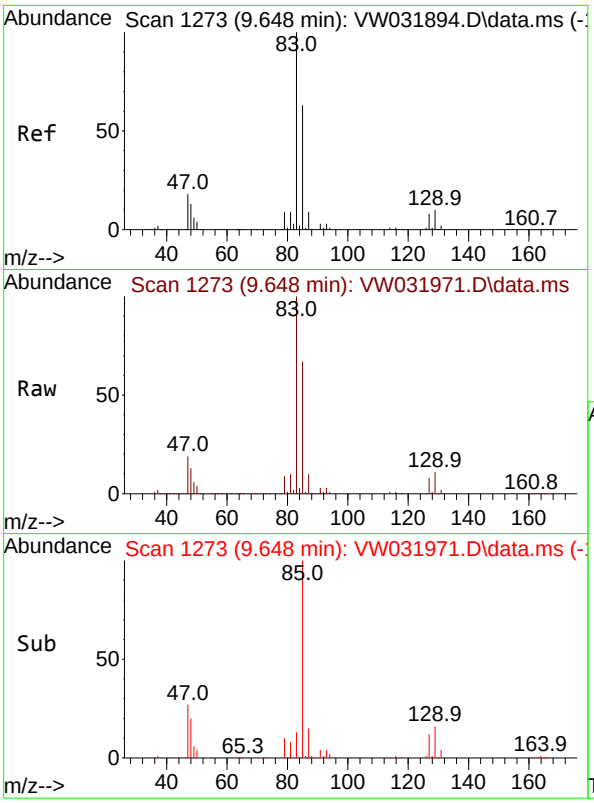


#46
Dibromomethane
Concen: 56.530 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 93 Resp: 101513

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.6
174	87.2	70.2	105.2

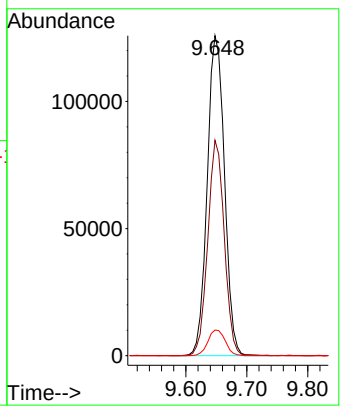




#47
Bromodichloromethane
Concen: 57.492 ug/l
RT: 9.648 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 83 Resp: 24756

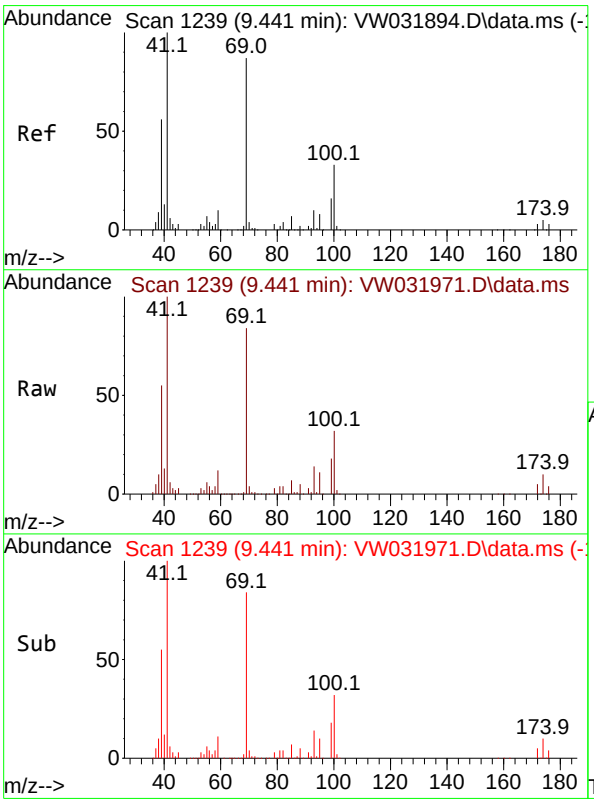
Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.6	76.0
127	8.0	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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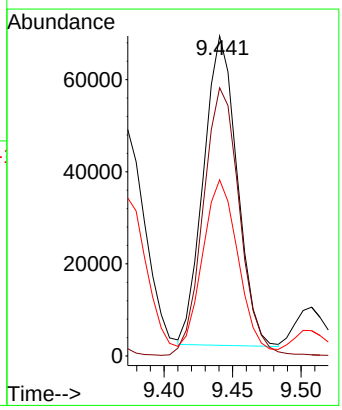
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

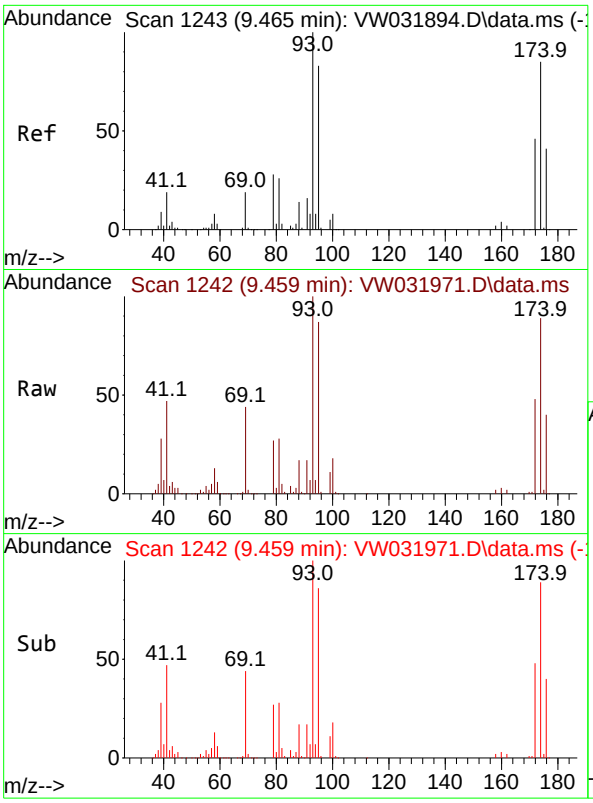


#48
Methyl methacrylate
Concen: 57.353 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 41 Resp: 114501

Ion	Ratio	Lower	Upper
41	100		
69	93.7	73.6	110.4
39	56.4	45.5	68.3





#49
1,4-Dioxane
Concen: 1520.227 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

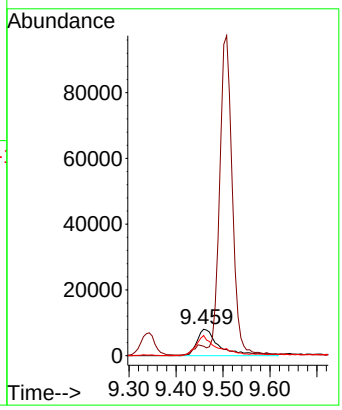
Tgt Ion: 88 Resp: 2724

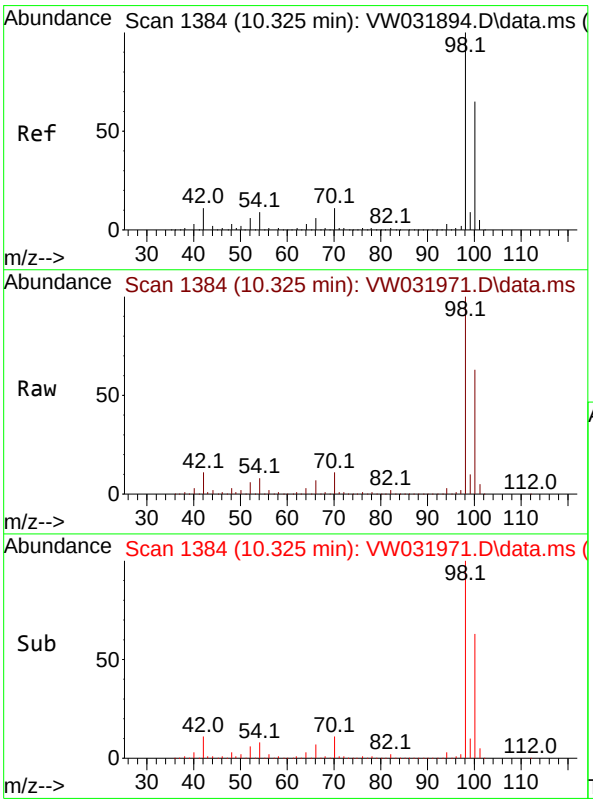
Ion	Ratio	Lower	Upper
88	100		
43	21.4	19.0	28.4
58	70.0	58.2	87.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

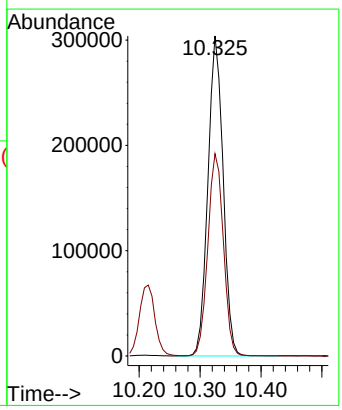


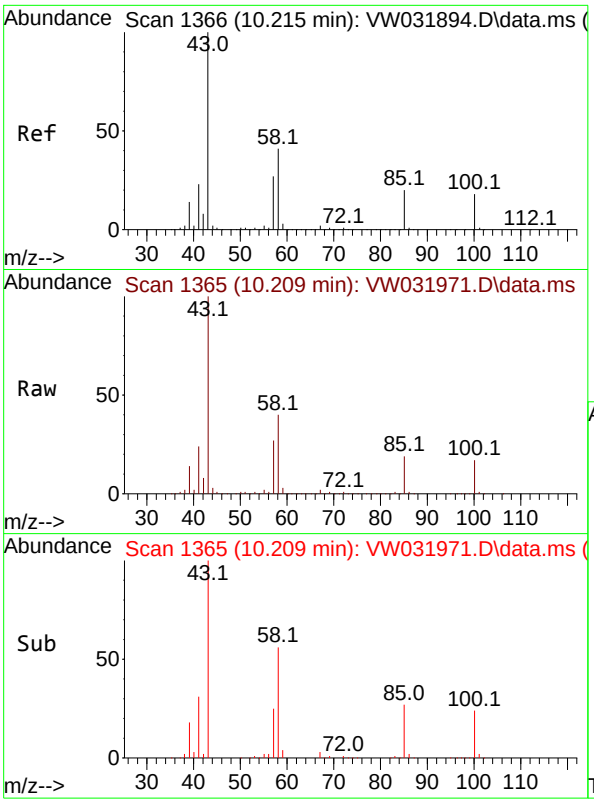


#50
Toluene-d8
Concen: 52.485 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 98 Resp: 525585

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 294.645 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

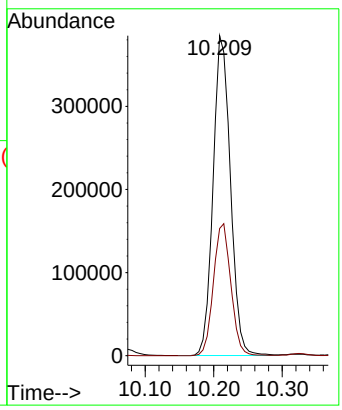
Tgt Ion: 43 Resp: 67666

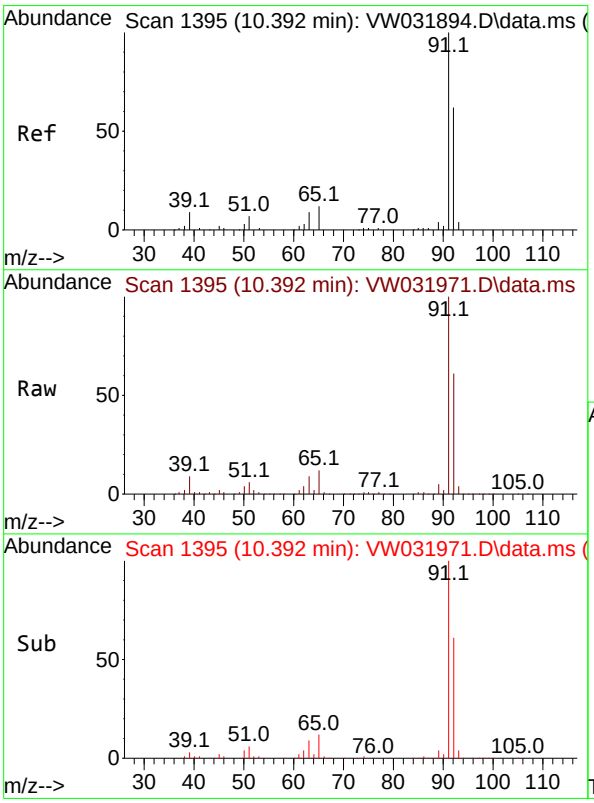
Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

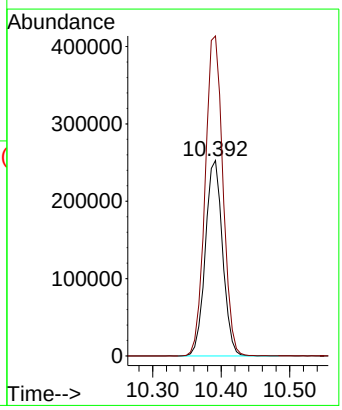


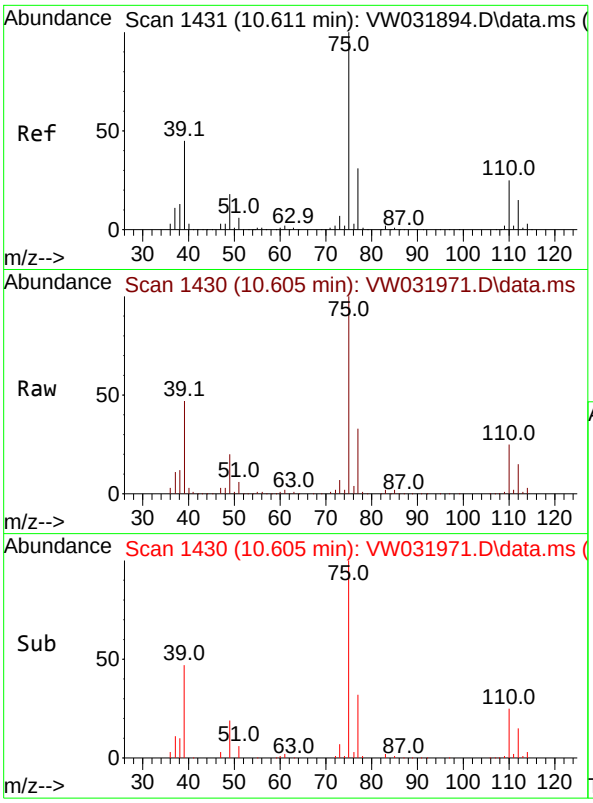


#52
Toluene
Concen: 57.118 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 92 Resp: 441658

Ion	Ratio	Lower	Upper
92	100		
91	168.8	133.7	200.5

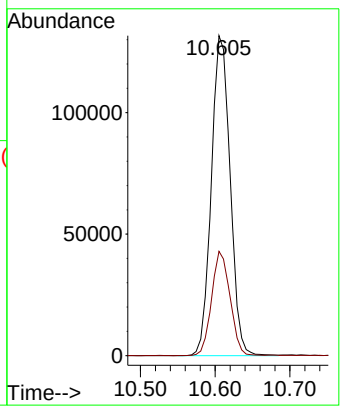




#53
t-1,3-Dichloropropene
Concen: 55.788 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 23043

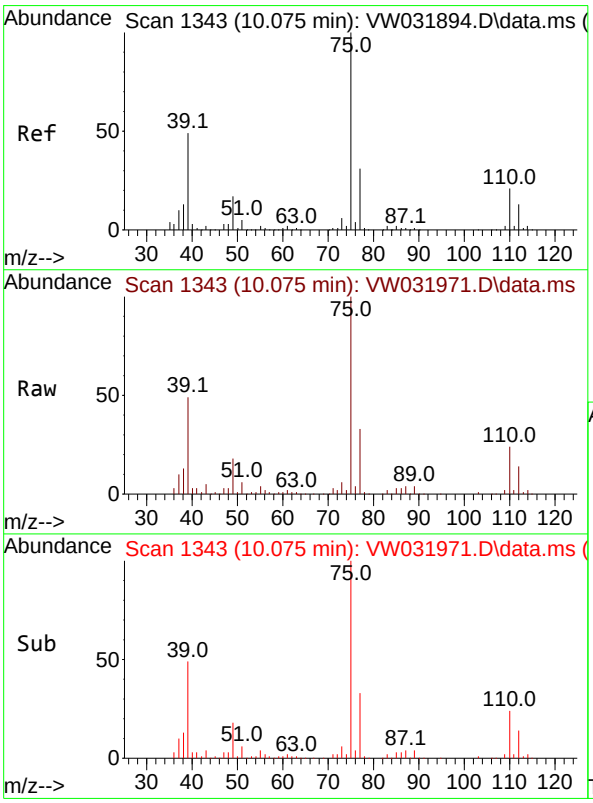
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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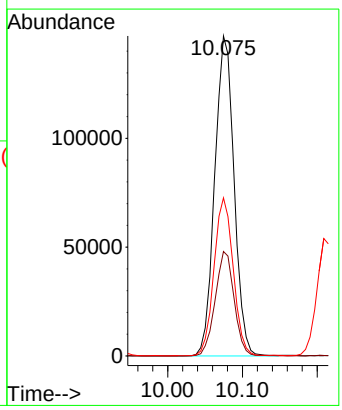
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

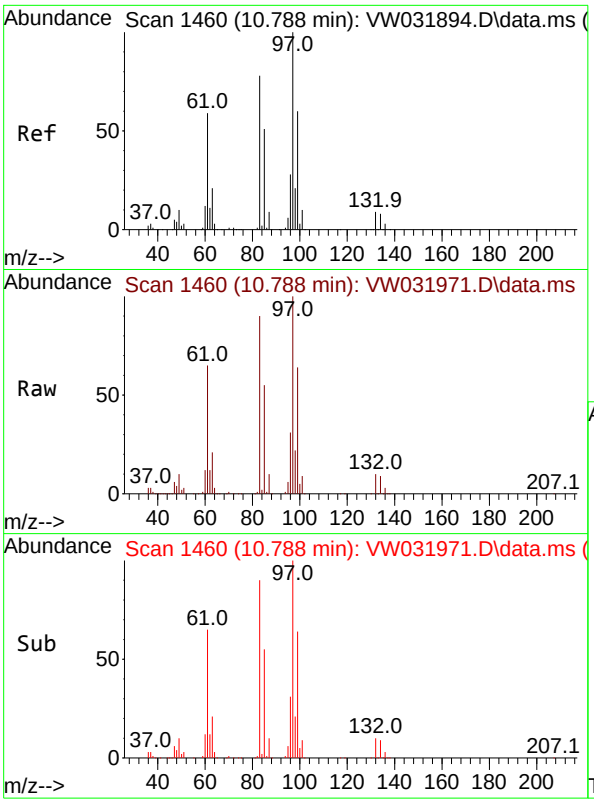


#54
cis-1,3-Dichloropropene
Concen: 56.169 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 264955

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	49.3	39.3	58.9

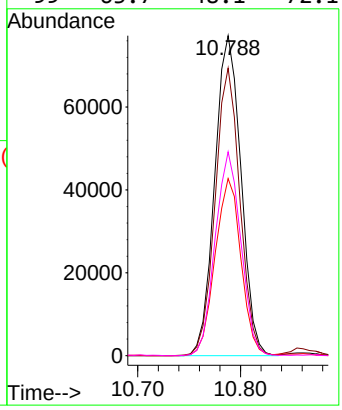




#55
1,1,2-Trichloroethane
Concen: 57.413 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 97 Resp: 13694

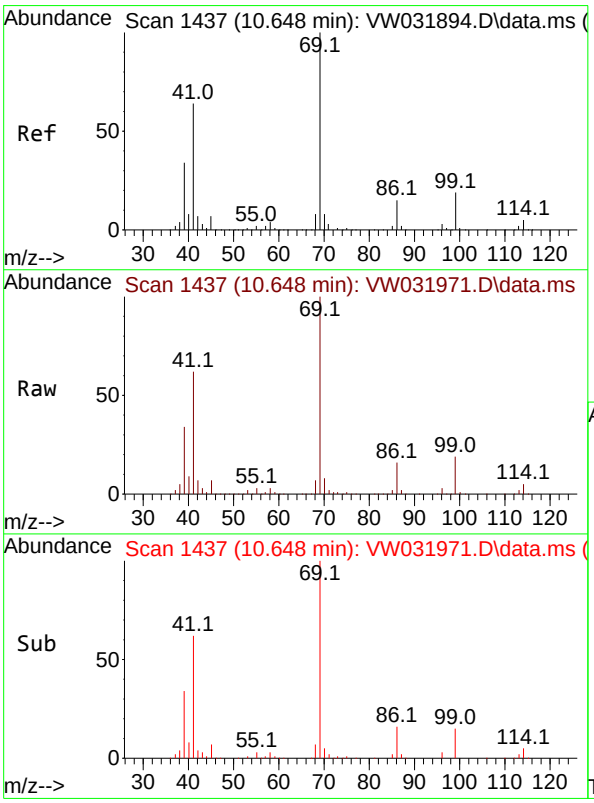
Ion	Ratio	Lower	Upper
97	100		
83	89.7	62.4	93.6
85	55.3	41.0	61.6
99	63.7	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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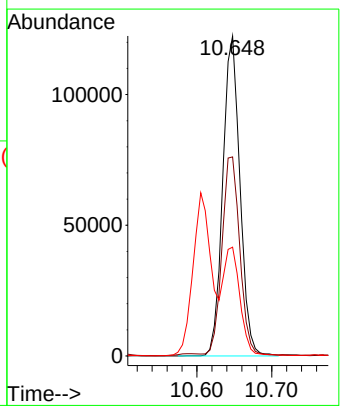
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

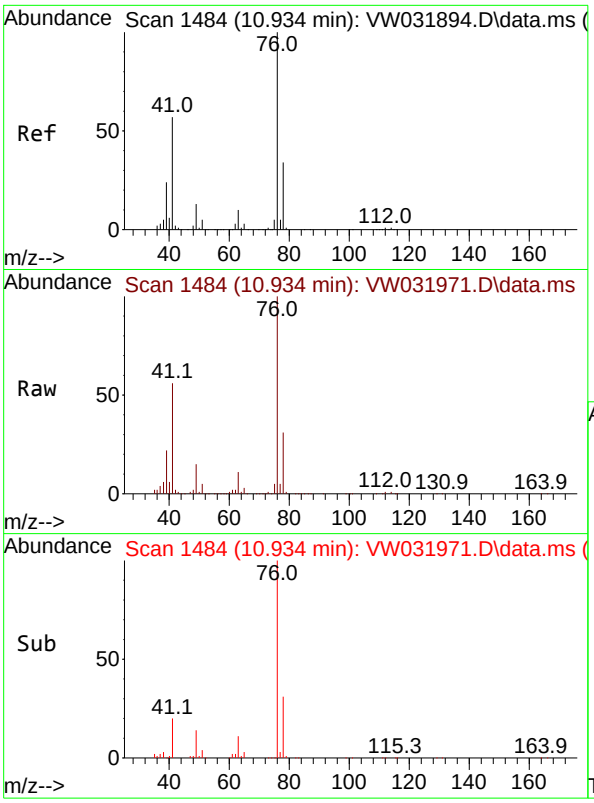


#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 69 Resp: 196180

Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.0	78.0
39	32.4	26.6	40.0





#57
1,3-Dichloropropane
Concen: 57.096 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

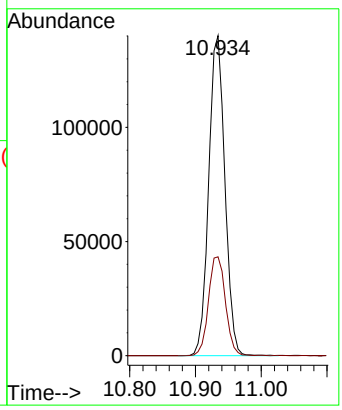
Tgt Ion: 76 Resp: 23993

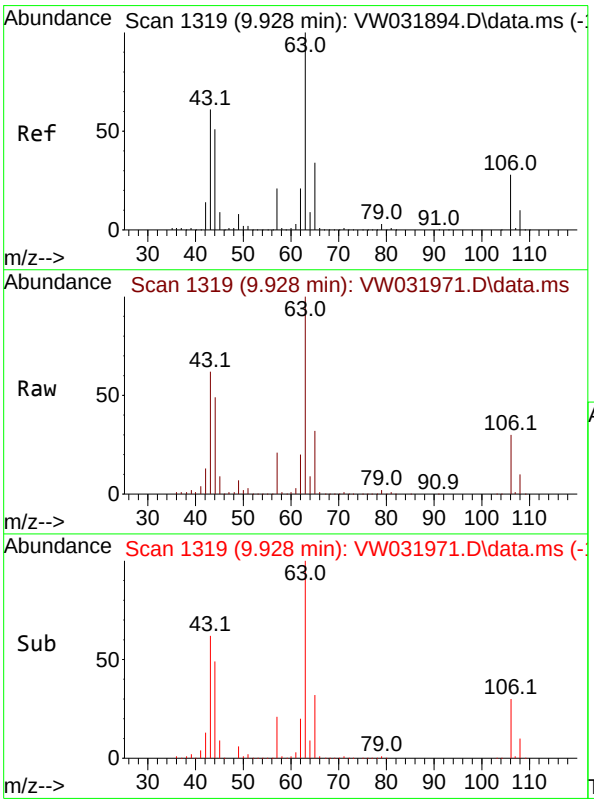
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

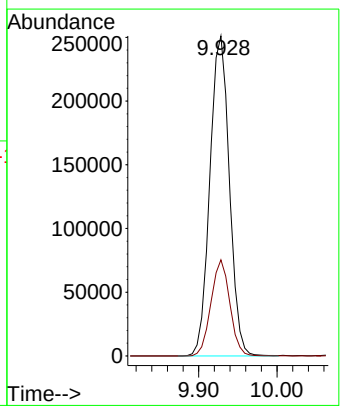


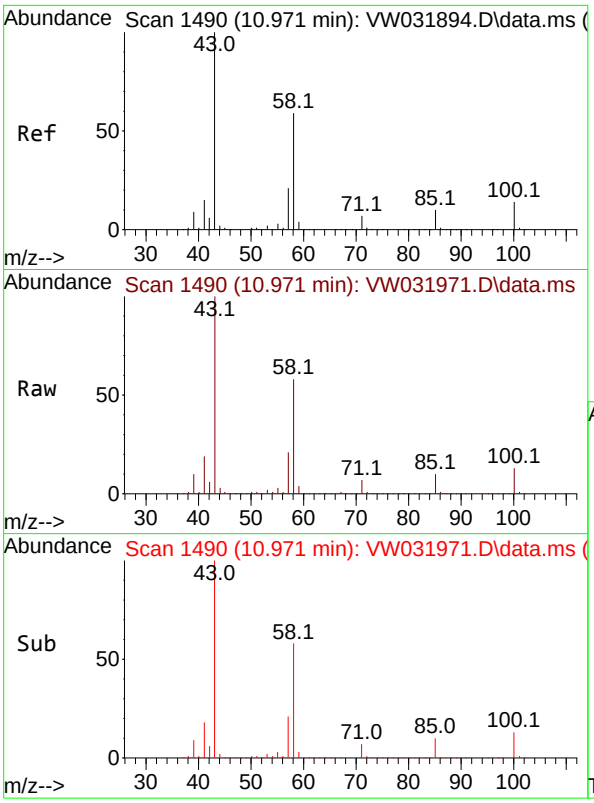


#58
2-Chloroethyl Vinyl ether
Concen: 251.017 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 63 Resp: 434358

Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1





#59
2-Hexanone
Concen: 293.457 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

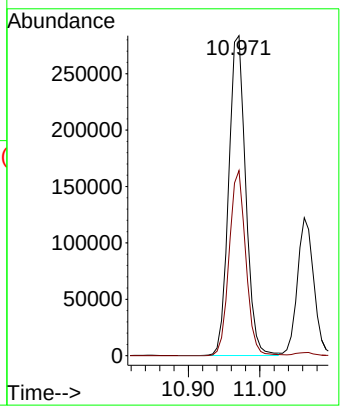
Tgt Ion: 43 Resp: 46844

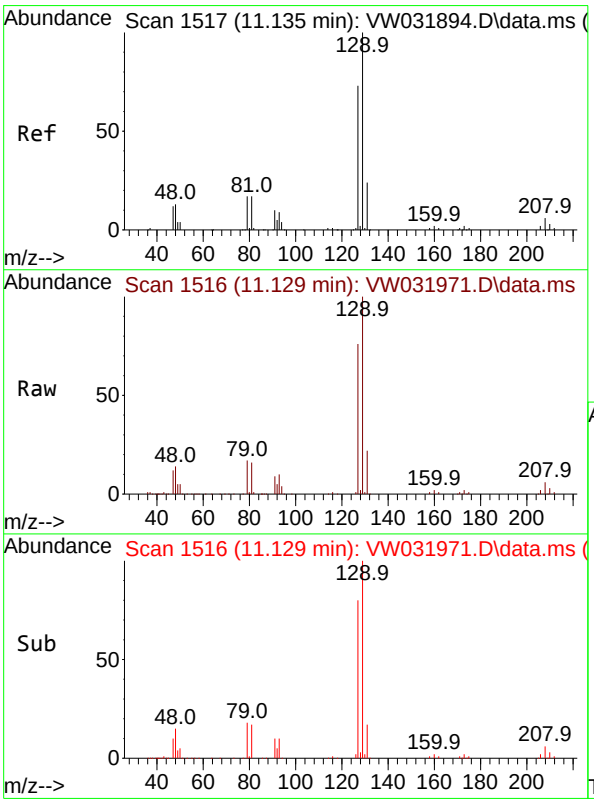
Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Supervised By :Semsettin Yesilyurt 08/04/2025

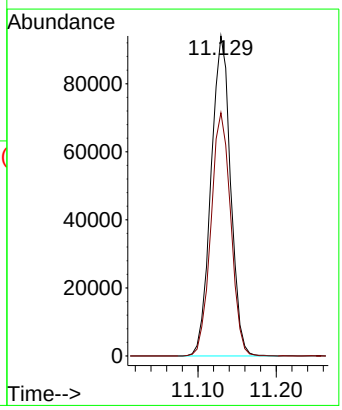


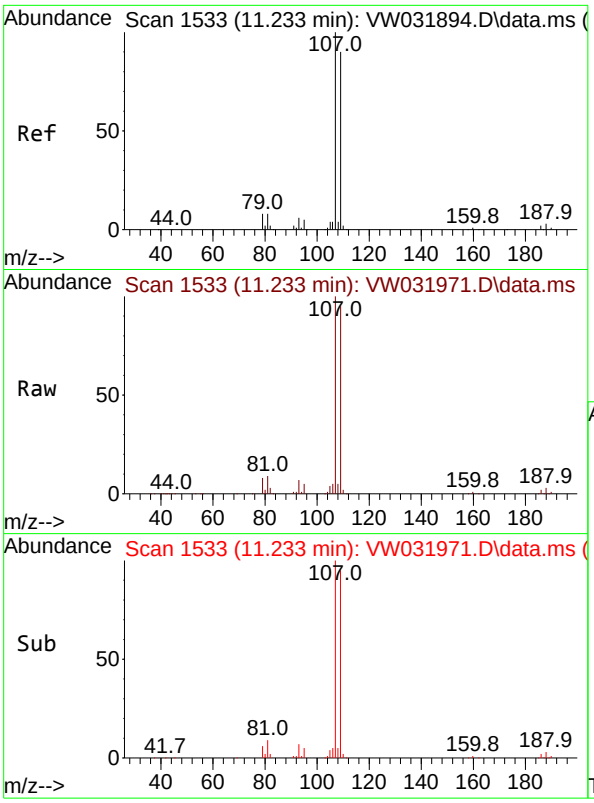


#60
Dibromochloromethane
Concen: 58.688 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:129 Resp: 163216

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.6	118.8





#61
1,2-Dibromoethane
Concen: 56.140 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

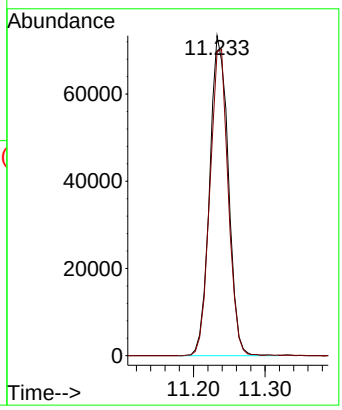
Tgt Ion:107 Resp: 13232

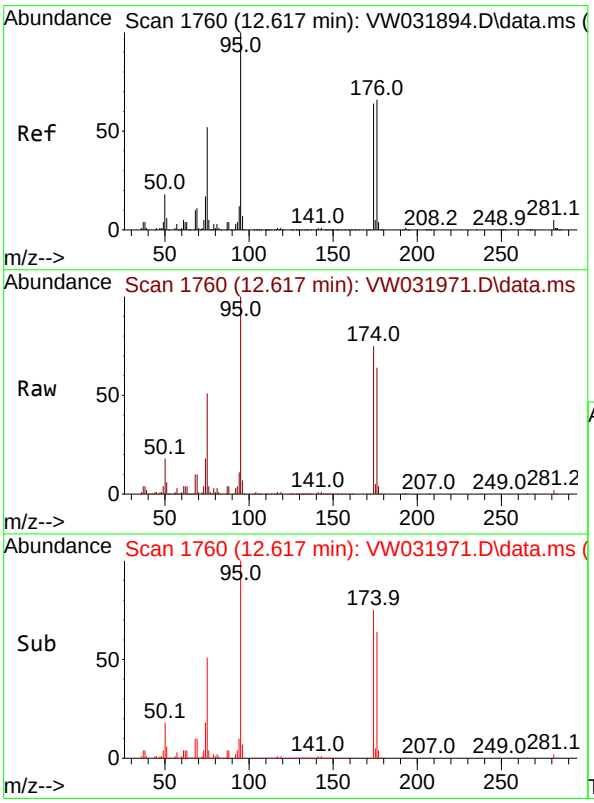
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

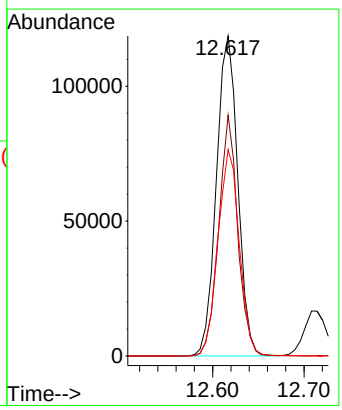


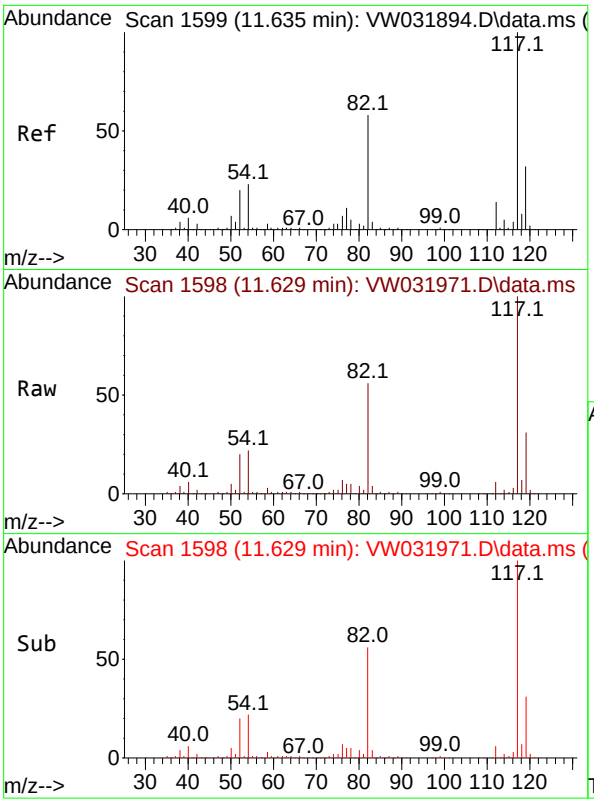


#62
4-Bromofluorobenzene
Concen: 50.153 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 95 Resp: 192848

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	129.8
176	64.7	0.0	130.4

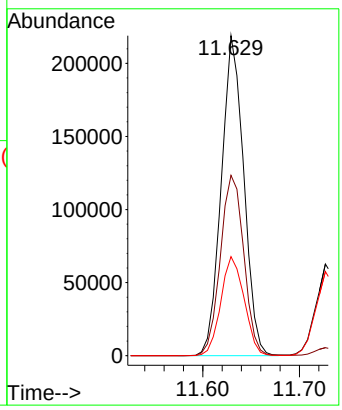




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:117 Resp: 35285

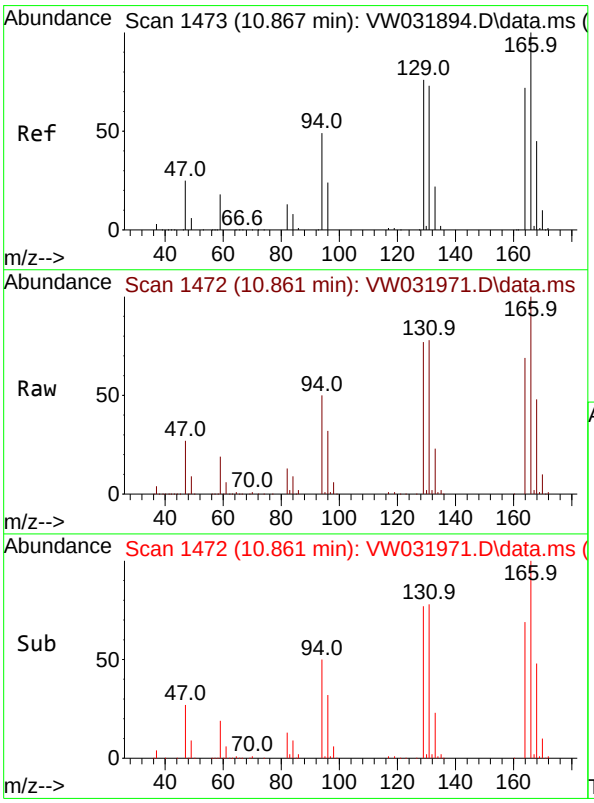
Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.5	69.7
119	30.9	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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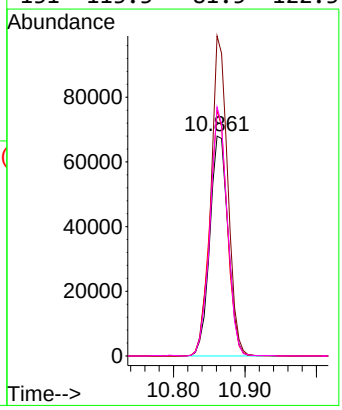
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

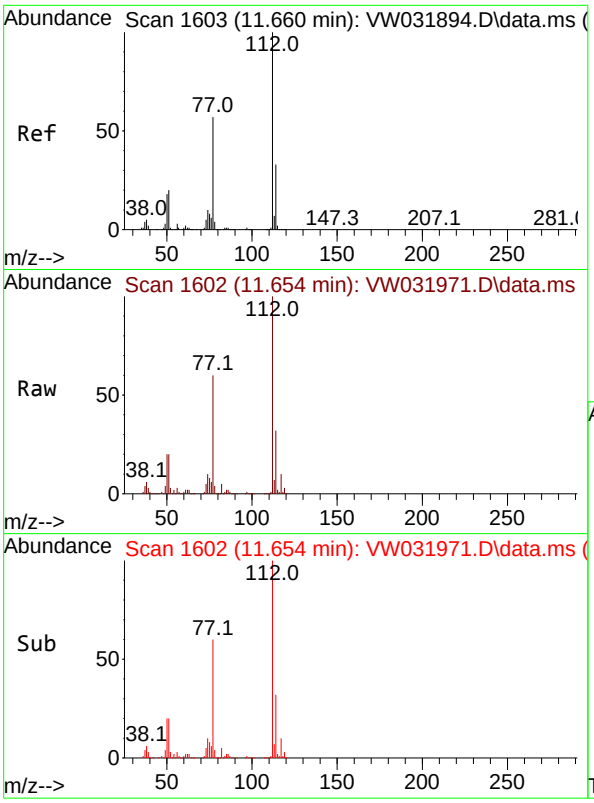


#64
Tetrachloroethene
Concen: 51.855 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:164 Resp: 120637

Ion	Ratio	Lower	Upper
164	100		
166	145.5	111.5	167.3
129	111.9	85.1	127.7
131	113.3	81.5	122.3





#65
Chlorobenzene
Concen: 53.387 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

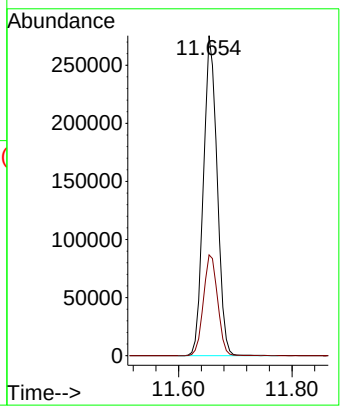
Tgt Ion:112 Resp: 46105

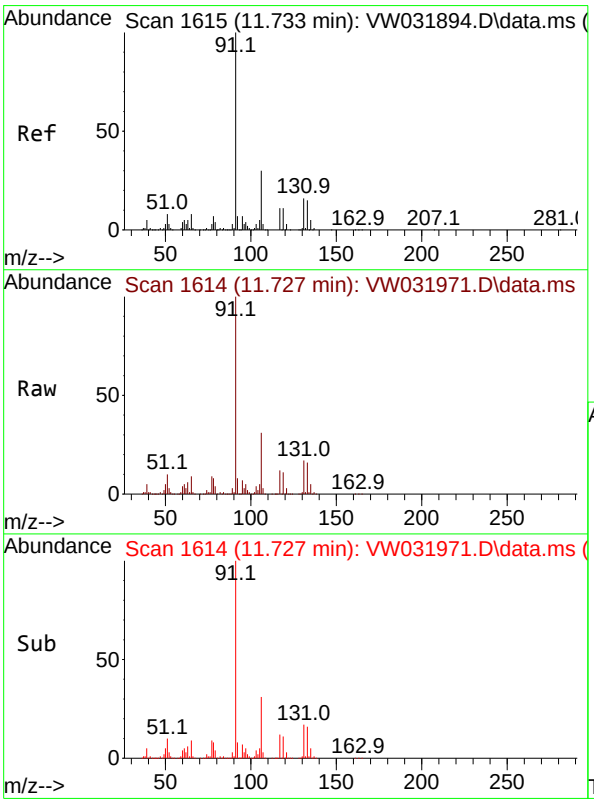
Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

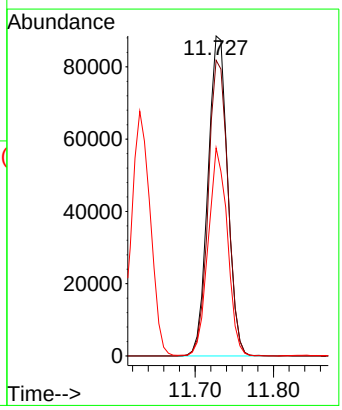


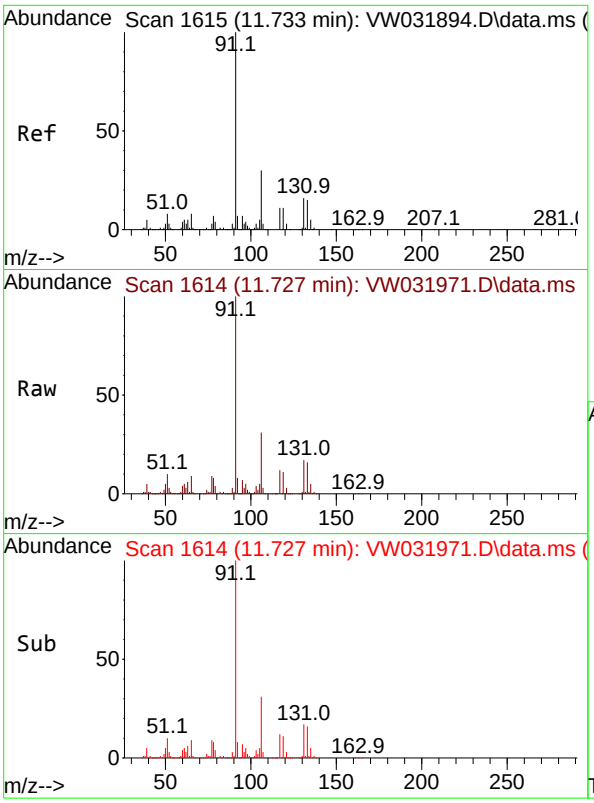


#66
1,1,1,2-Tetrachloroethane
Concen: 57.521 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:131 Resp: 154000

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.1	144.4
119	63.6	33.7	101.1





#67
Ethyl Benzene
Concen: 55.092 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

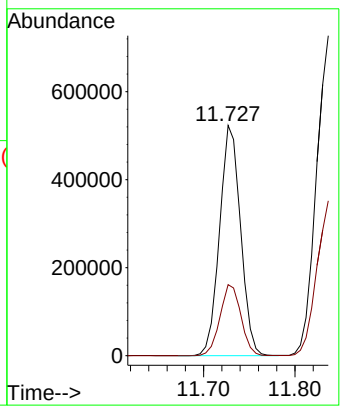
Tgt Ion: 91 Resp: 83594

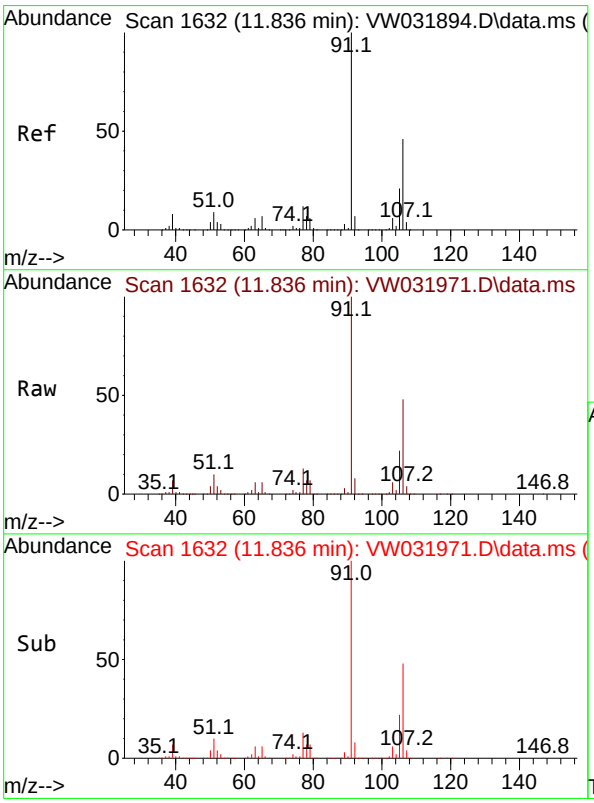
Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

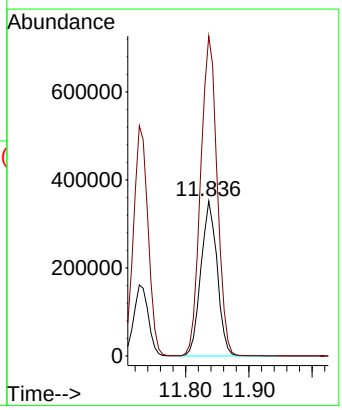


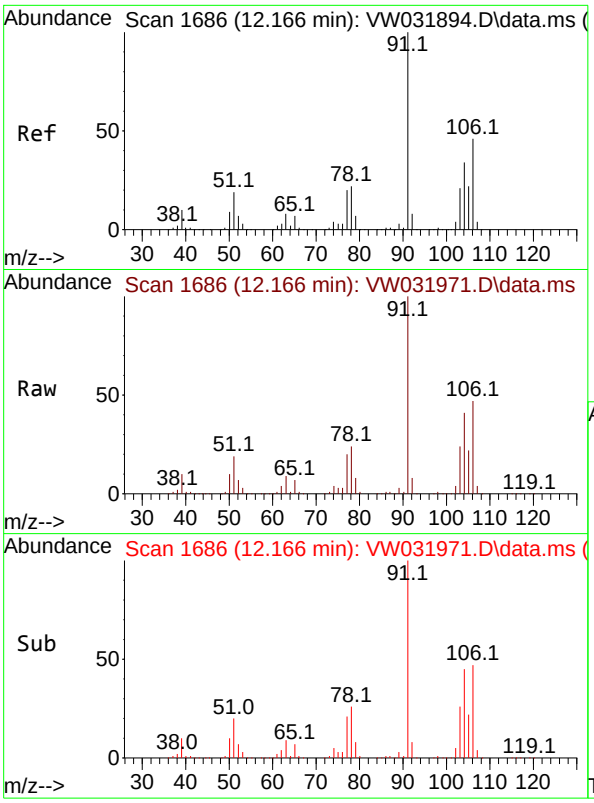


#68
m/p-Xylenes
Concen: 110.164 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:106 Resp: 629273

Ion	Ratio	Lower	Upper
106	100		
91	210.7	167.7	251.5





#69
o-Xylene
Concen: 55.646 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

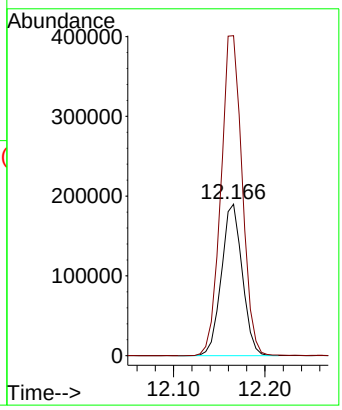
Tgt Ion:106 Resp: 30081

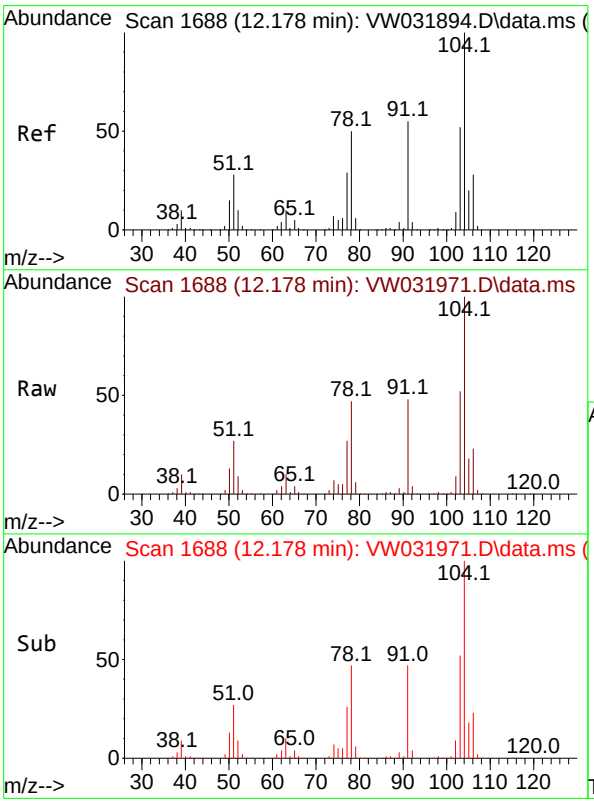
Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

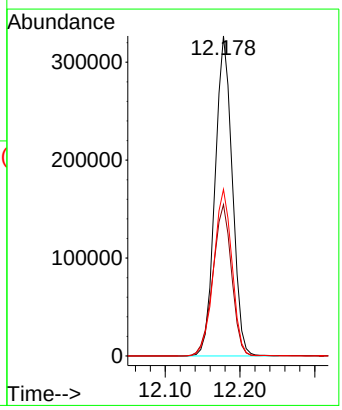


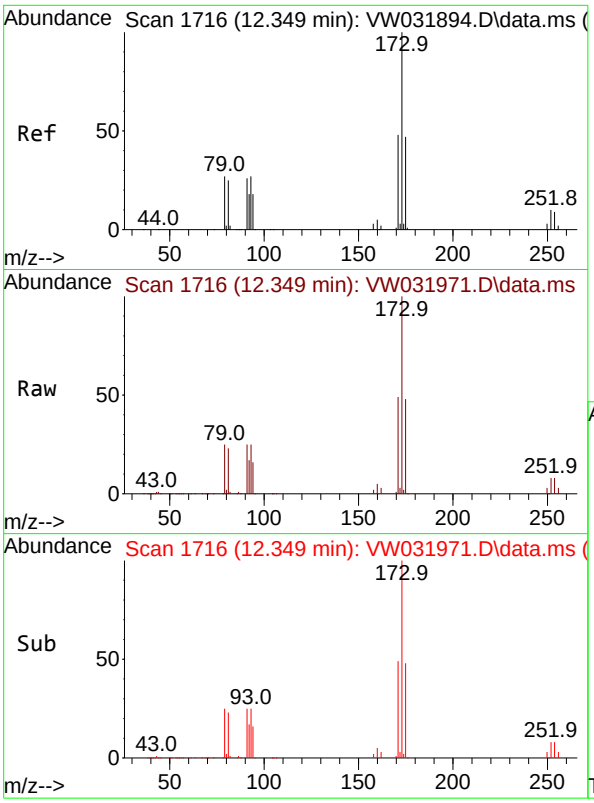


#70
Styrene
Concen: 57.041 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:104 Resp: 524997

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.2	63.4
103	55.2	42.8	64.2

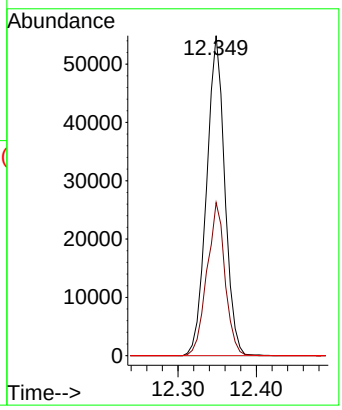




#71
Bromoform
Concen: 60.255 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:173 Resp: 8822

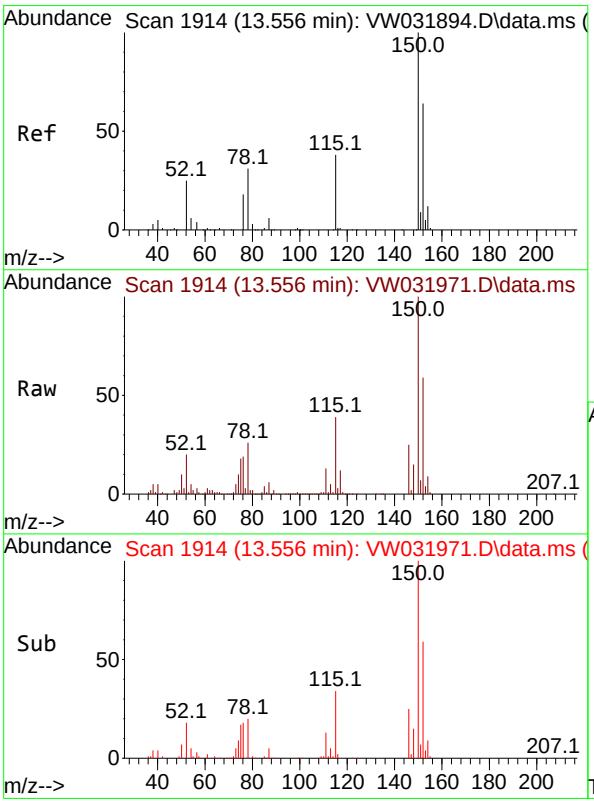
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.5	73.5
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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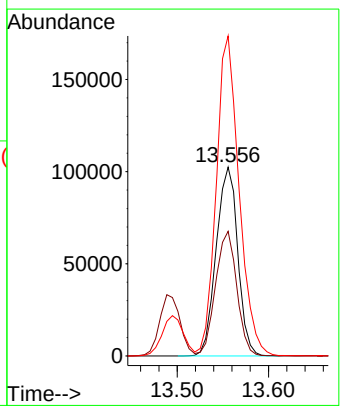
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

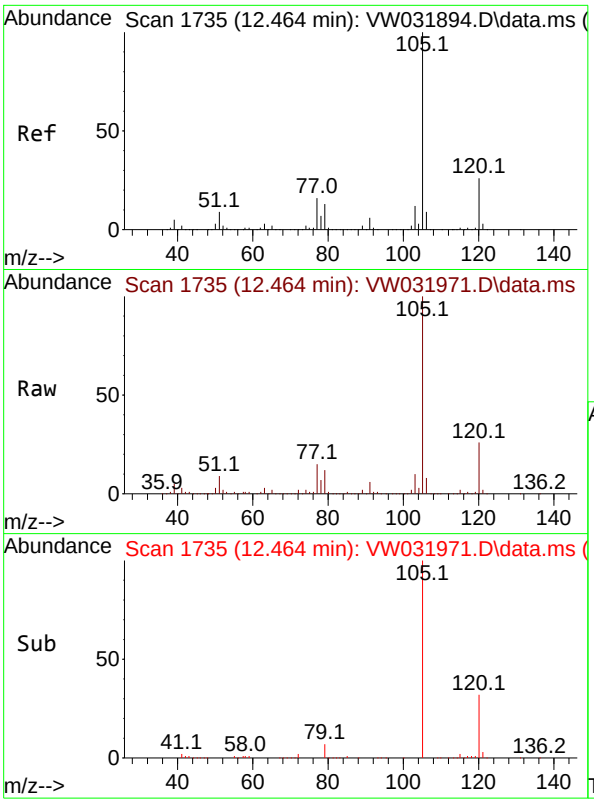


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:152 Resp: 168273

Ion	Ratio	Lower	Upper
152	100		
115	65.2	33.4	100.1
150	179.1	0.0	352.2

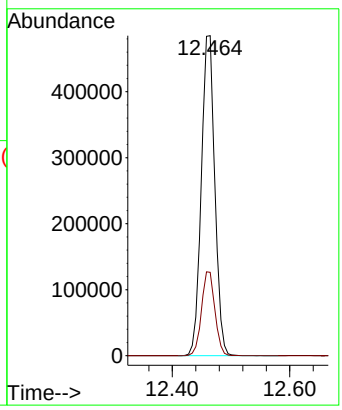




#73
Isopropylbenzene
Concen: 53.083 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 77503

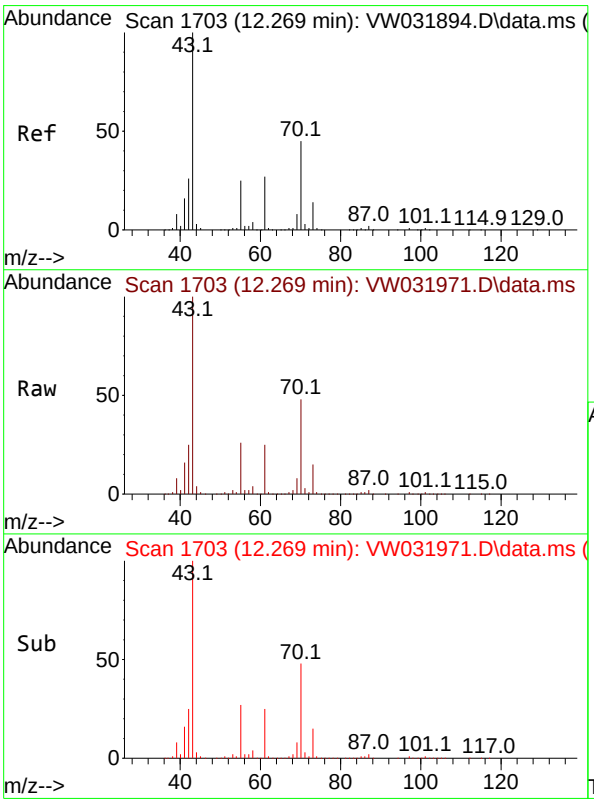
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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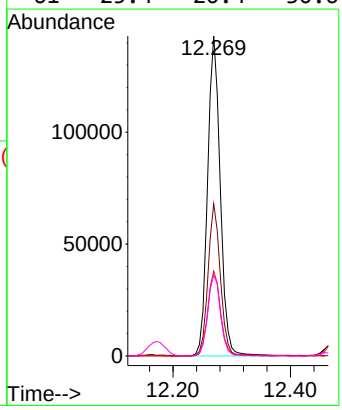
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

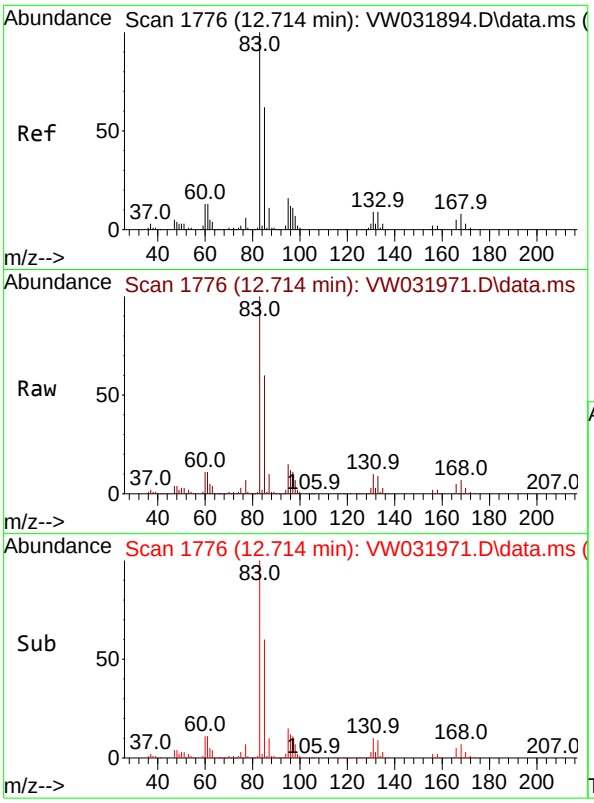


#74
N-amyl acetate
Concen: 54.340 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 214488

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	27.0	20.7	31.1
61	25.4	20.4	30.6

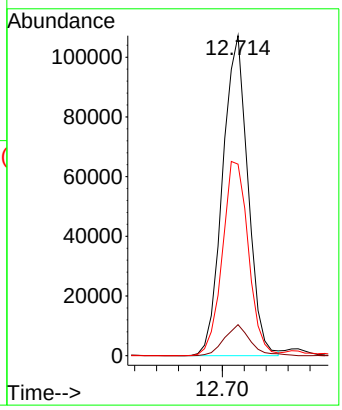




#75
1,1,2,2-Tetrachloroethane
Concen: 55.405 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 83 Resp: 17170

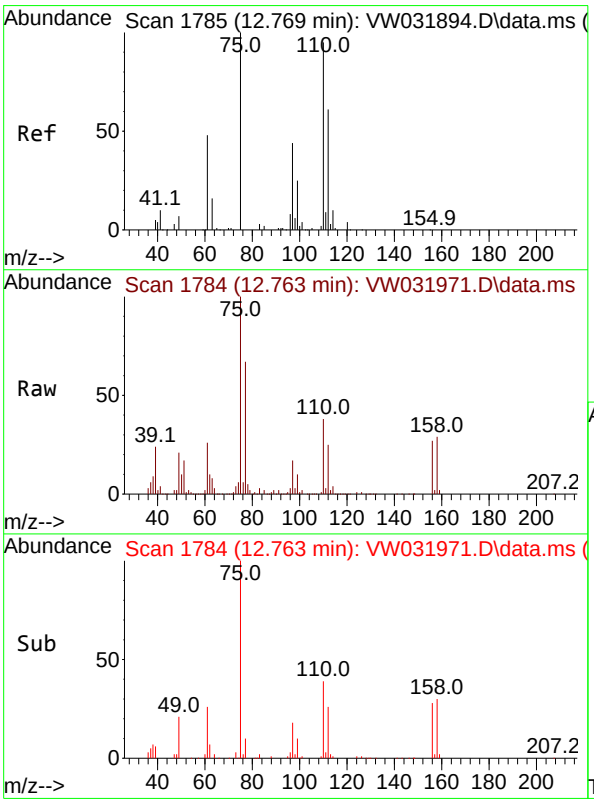
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	62.5	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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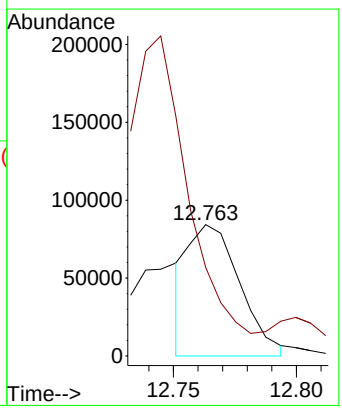
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

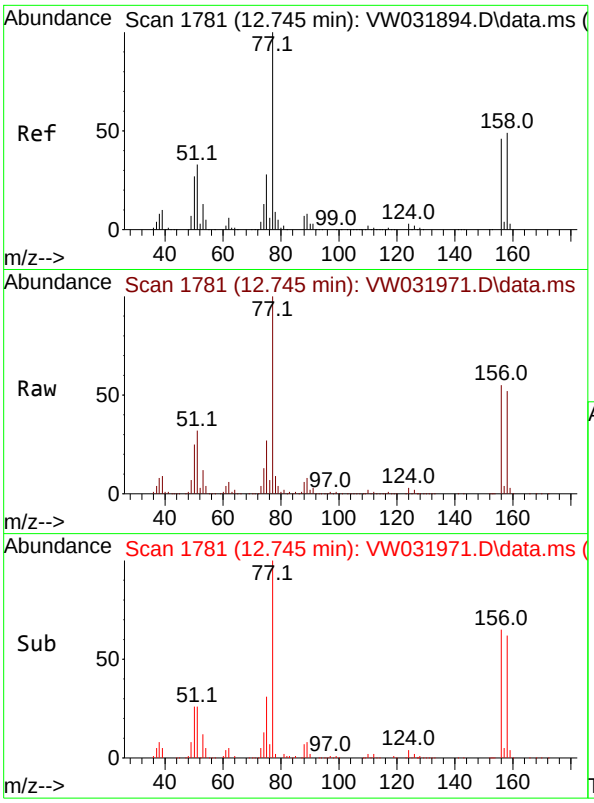


#76
1,2,3-Trichloropropane
Concen: 53.061 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 123275

Ion	Ratio	Lower	Upper
75	100		
77	305.1	0.0	0.0#

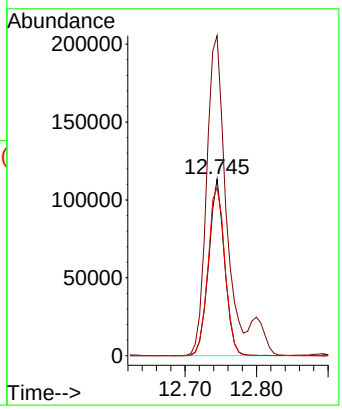




#77
Bromobenzene
Concen: 55.328 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:156 Resp: 17478

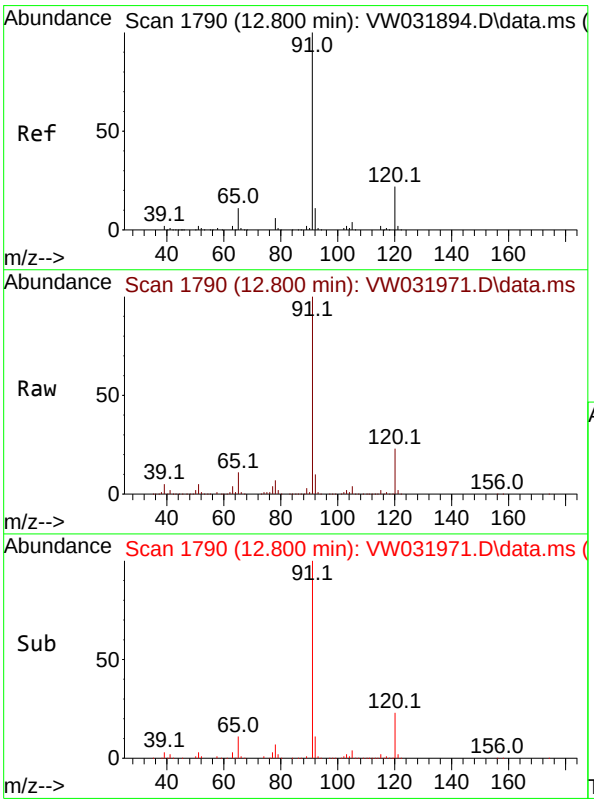
Ion	Ratio	Lower	Upper
156	100		
77	215.2	115.3	345.8
158	101.7	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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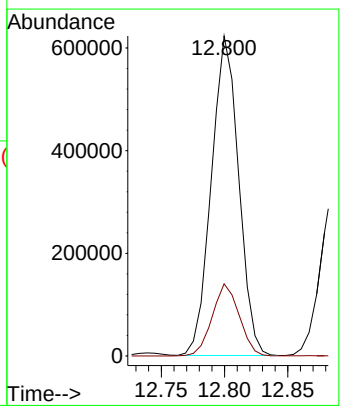
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

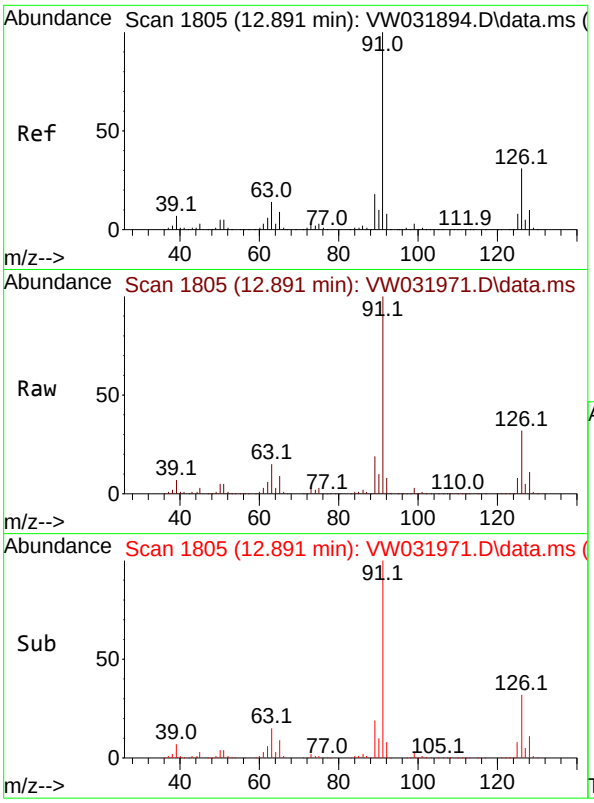


#78
n-propylbenzene
Concen: 52.211 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 91 Resp: 936246

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.9	32.6





#79
2-Chlorotoluene
Concen: 52.311 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

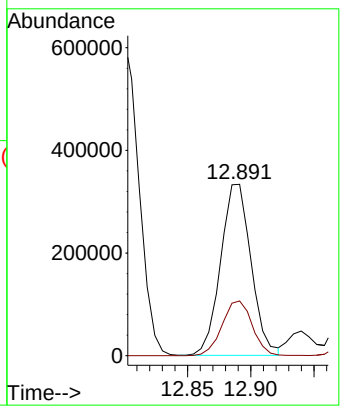
Tgt Ion: 91 Resp: 56007

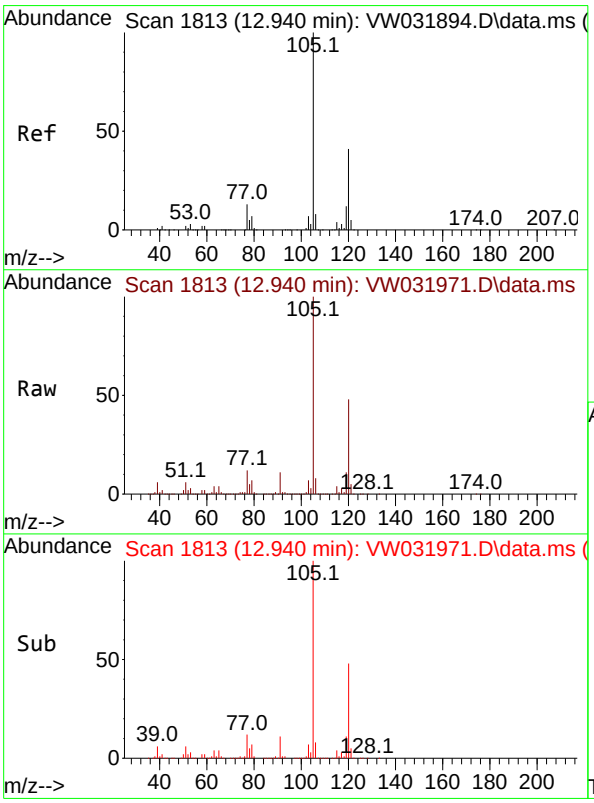
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

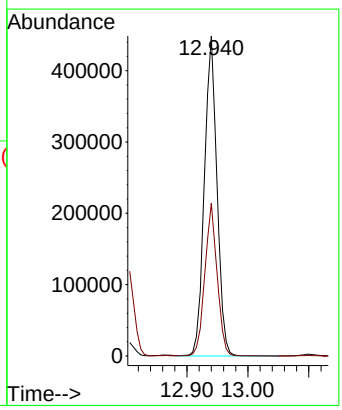


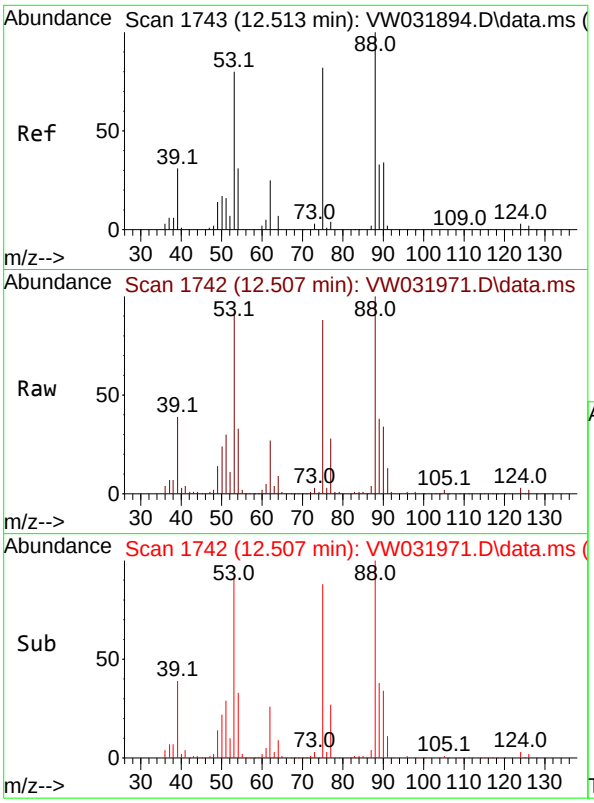


#80
1,3,5-Trimethylbenzene
Concen: 52.683 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 645113

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 55.201 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

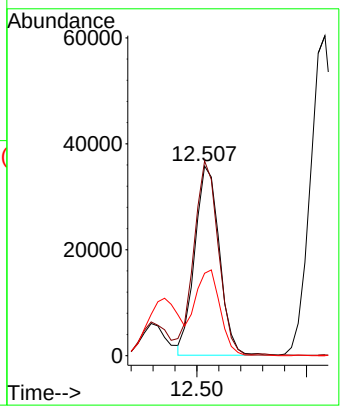
Tgt Ion: 75 Resp: 5554

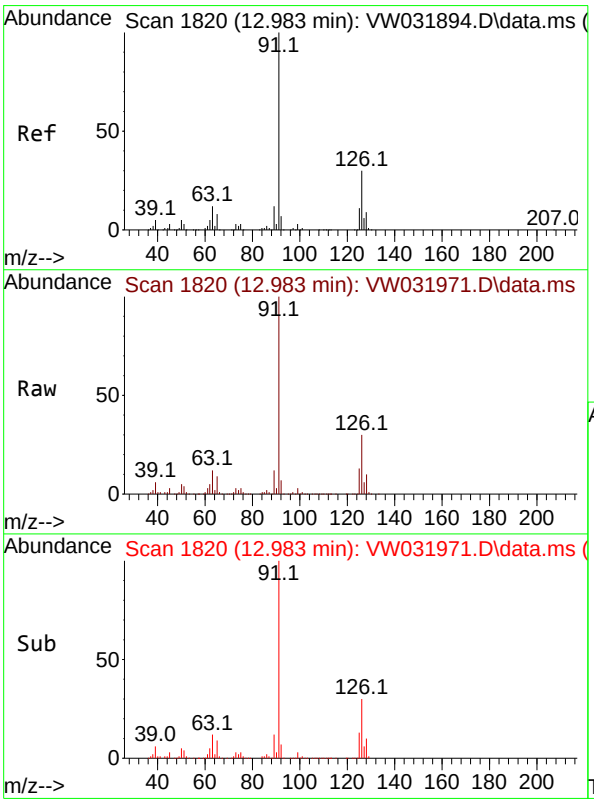
Ion	Ratio	Lower	Upper
75	100		
53	103.3	83.7	125.5
89	46.8	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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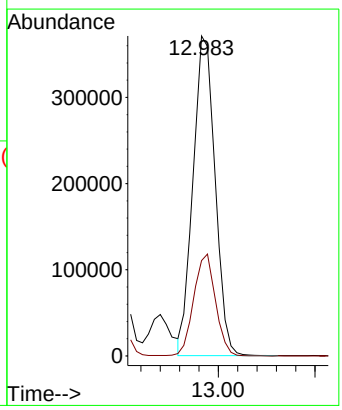


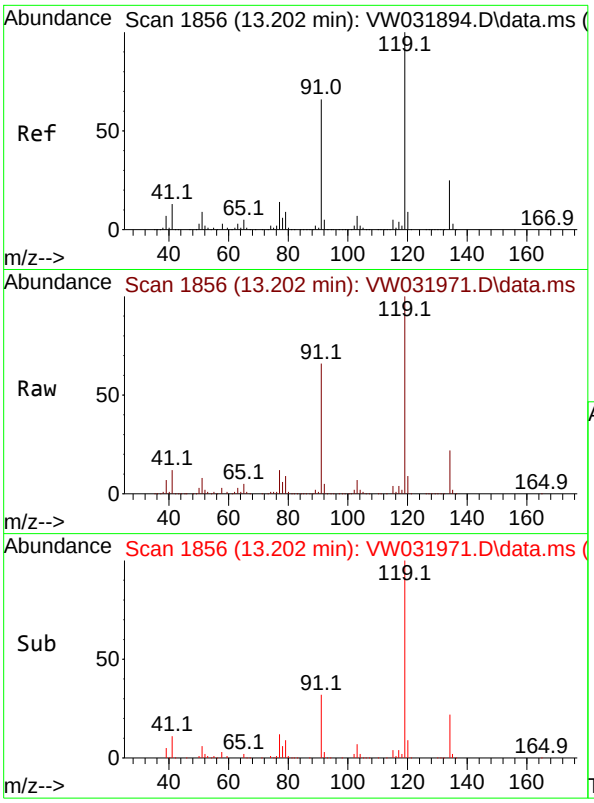


#82
4-Chlorotoluene
Concen: 52.442 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 91 Resp: 589037

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

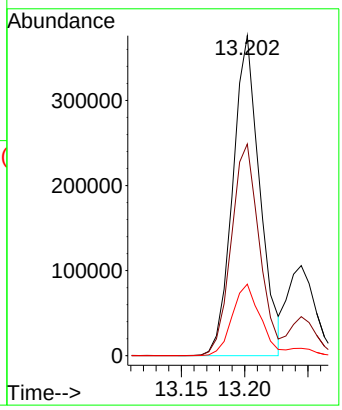




#83
tert-Butylbenzene
Concen: 53.787 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:119 Resp: 56102

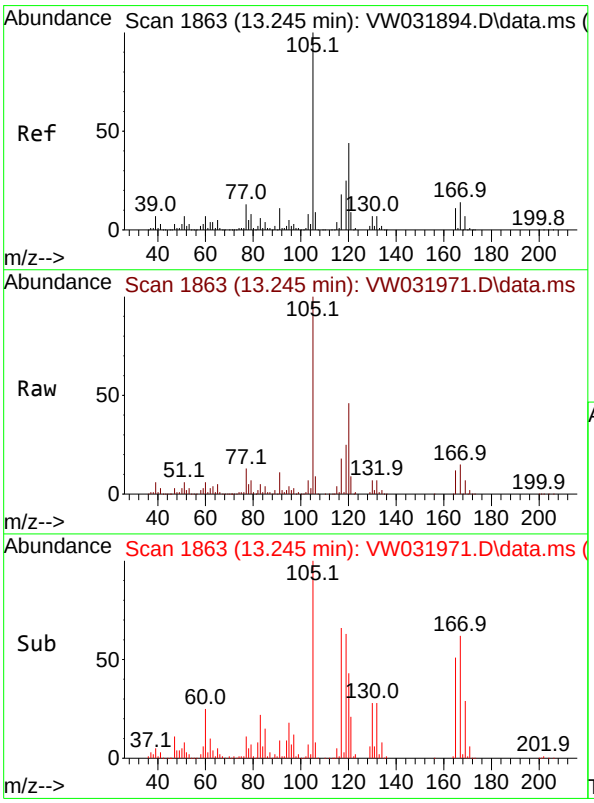
Ion	Ratio	Lower	Upper
119	100		
91	68.2	35.5	106.5
134	23.4	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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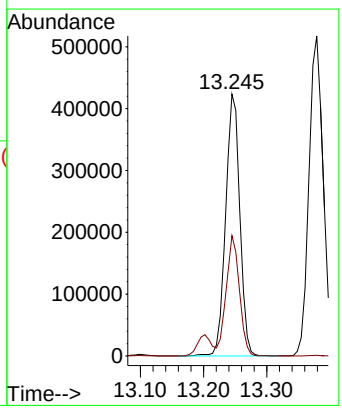
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

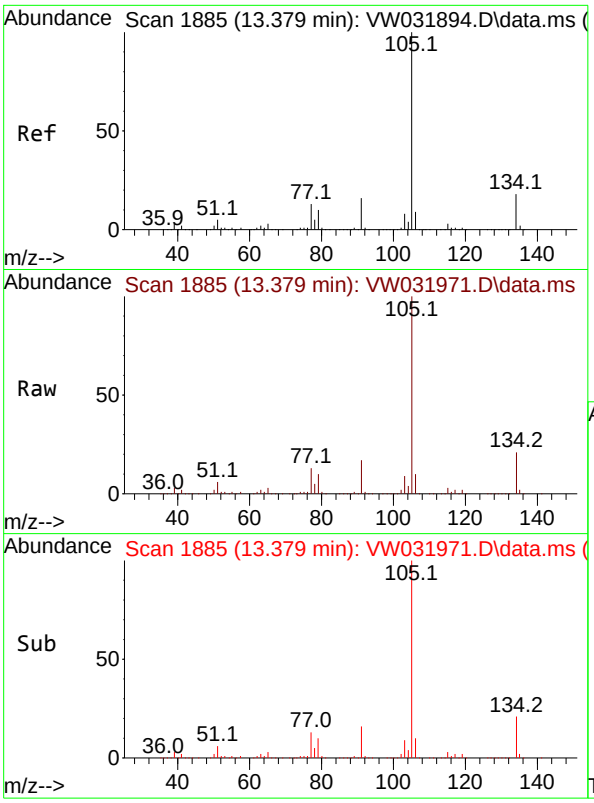


#84
1,2,4-Trimethylbenzene
Concen: 53.090 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 658001

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.3	63.9

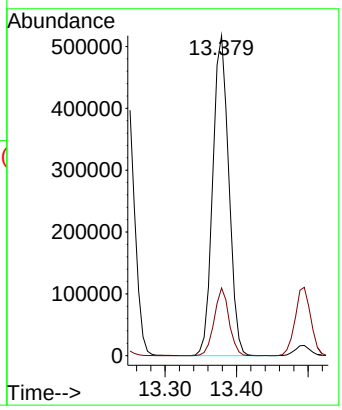




#85
sec-Butylbenzene
Concen: 51.317 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 80382

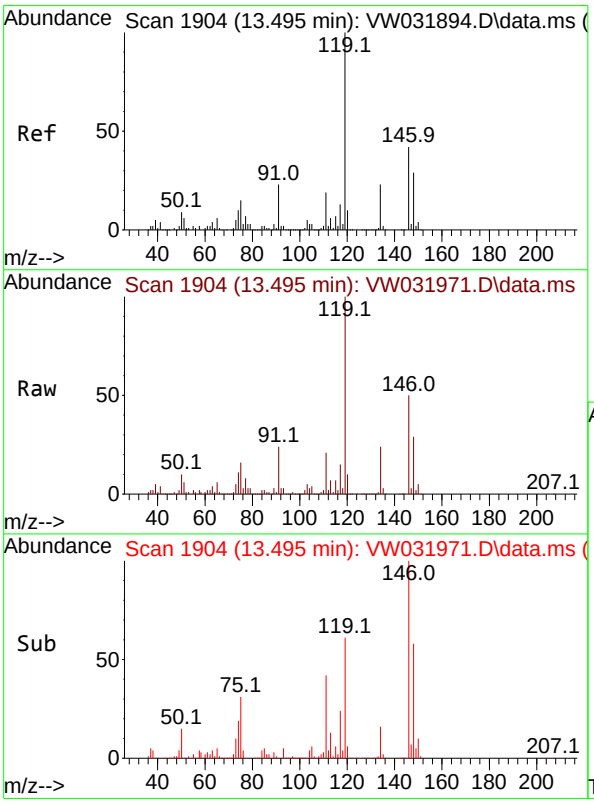
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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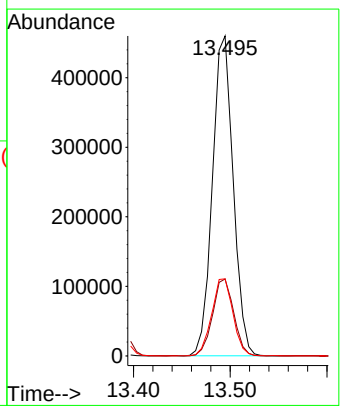
Reviewed By :Mahesh Dadoda 08/04/2025
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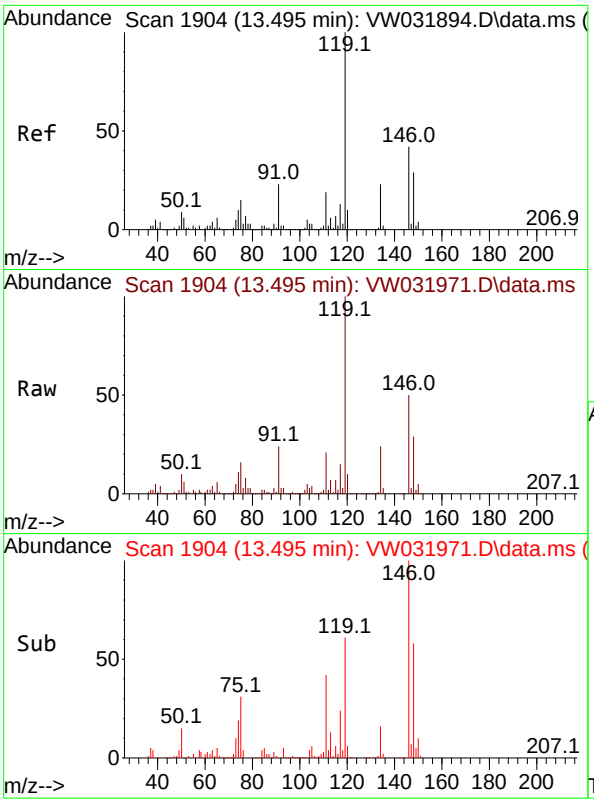


#86
p-Isopropyltoluene
Concen: 52.921 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:119 Resp: 685162

Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.0	39.0
91	24.6	12.7	38.1

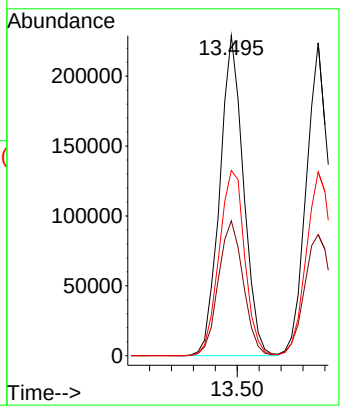




#87
1,3-Dichlorobenzene
Concen: 52.377 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:146 Resp: 34442

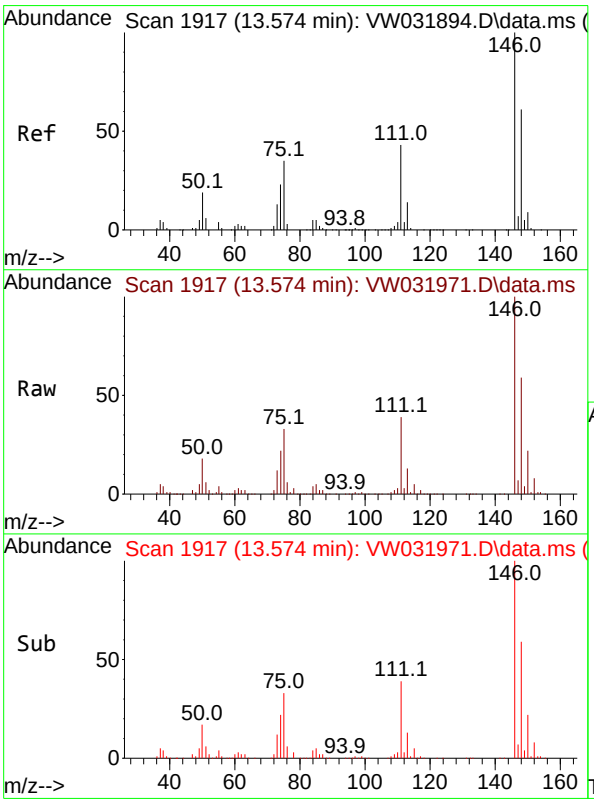
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	62.6	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

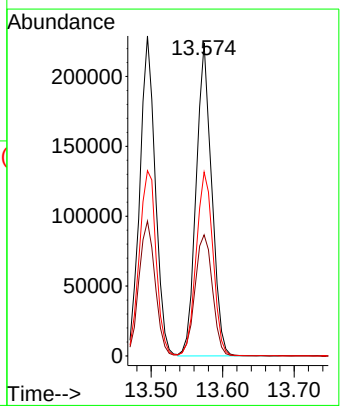
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

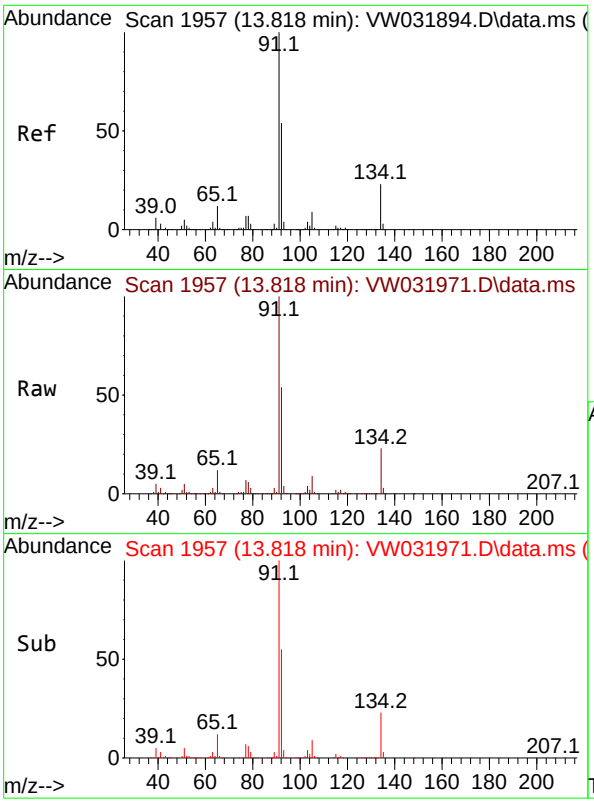


#88
1,4-Dichlorobenzene
Concen: 52.427 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:146 Resp: 337723

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	63.4	31.8	95.3

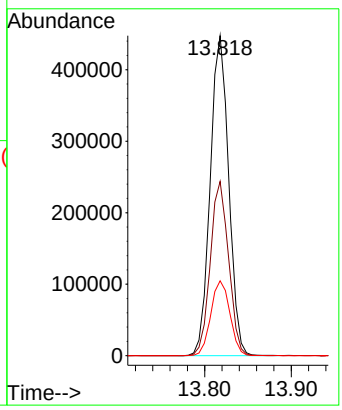




#89
n-Butylbenzene
Concen: 52.221 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 91 Resp: 66324

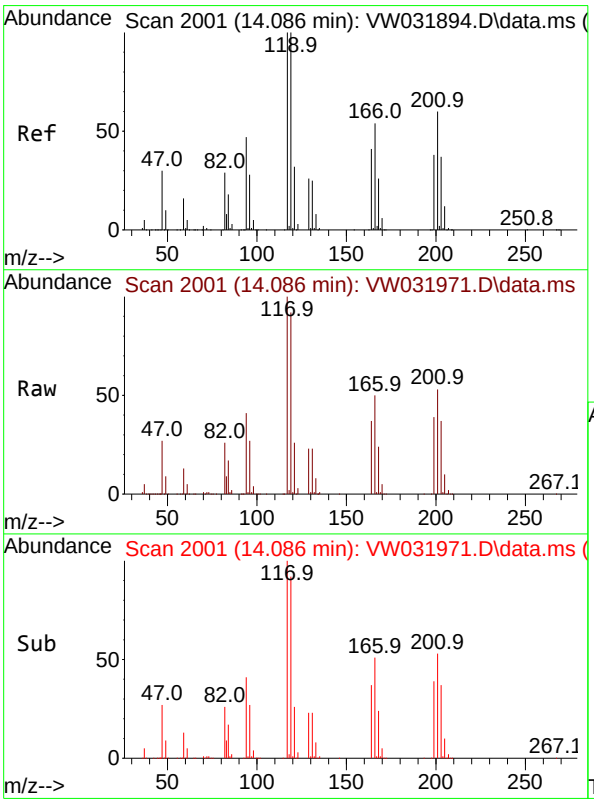
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.5
134	24.2	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

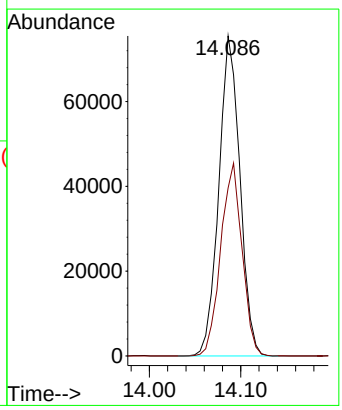
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

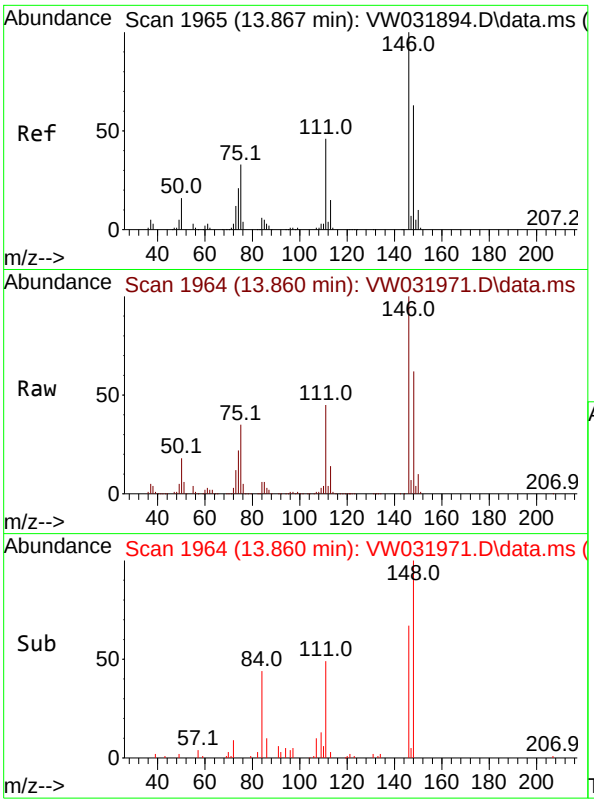


#90
Hexachloroethane
Concen: 54.161 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:117 Resp: 121255

Ion	Ratio	Lower	Upper
117	100		
201	60.9	28.4	85.2

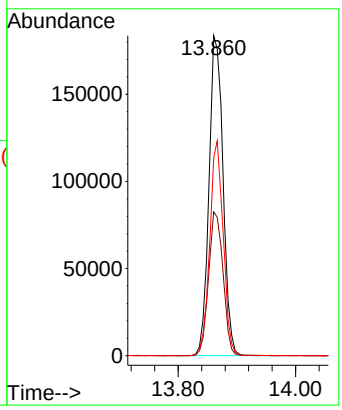




#91
1,2-Dichlorobenzene
Concen: 52.276 ug/l
RT: 13.860 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:146 Resp: 30465

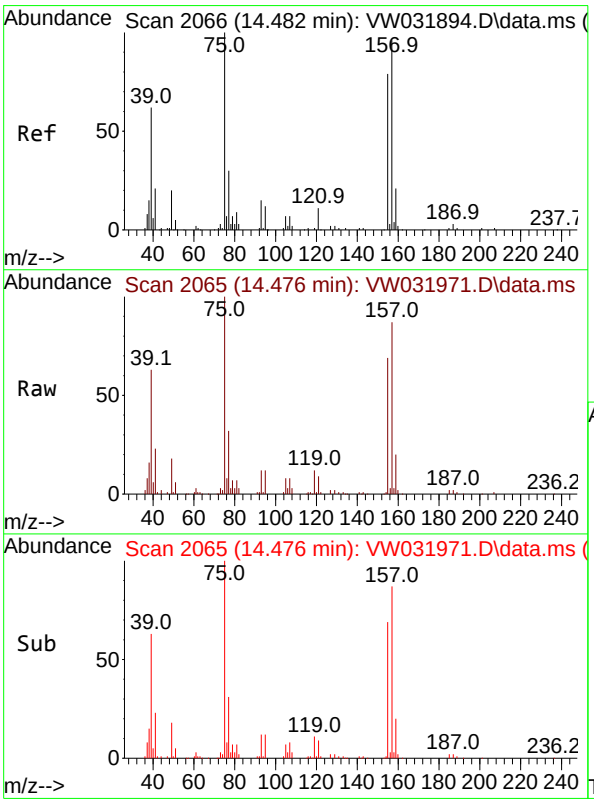
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.6	71.0
148	64.3	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

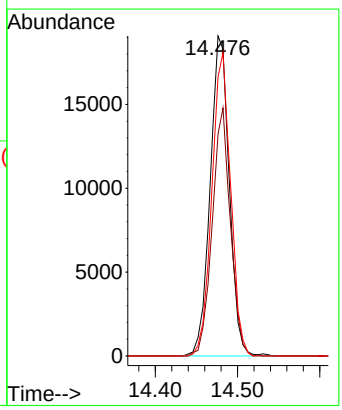
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

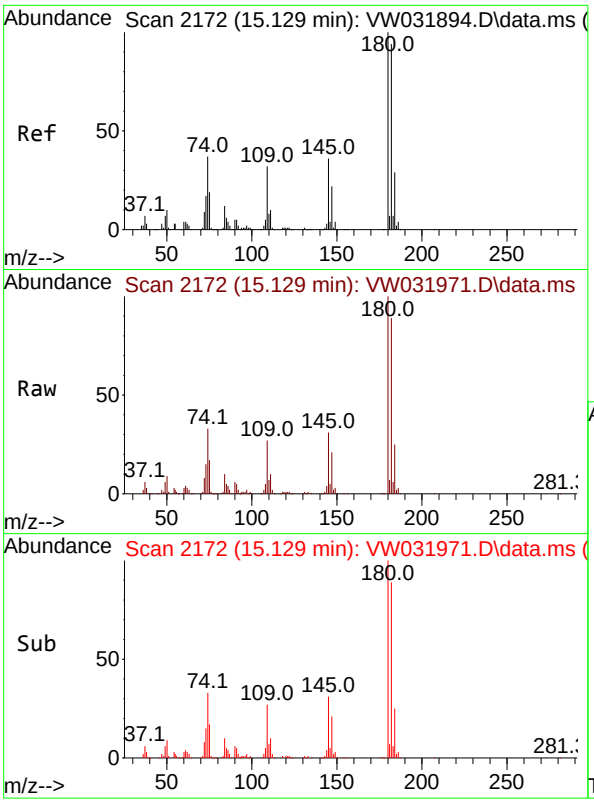


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.947 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 30765

Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.9	107.7
157	93.1	47.4	142.2

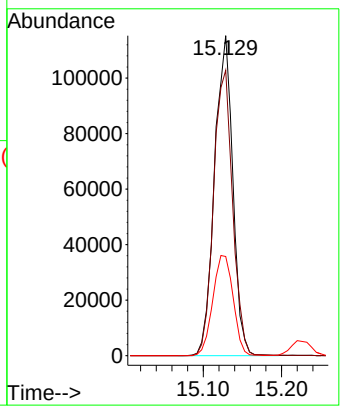




#93
1,2,4-Trichlorobenzene
Concen: 53.269 ug/l
RT: 15.129 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:180 Resp: 18722

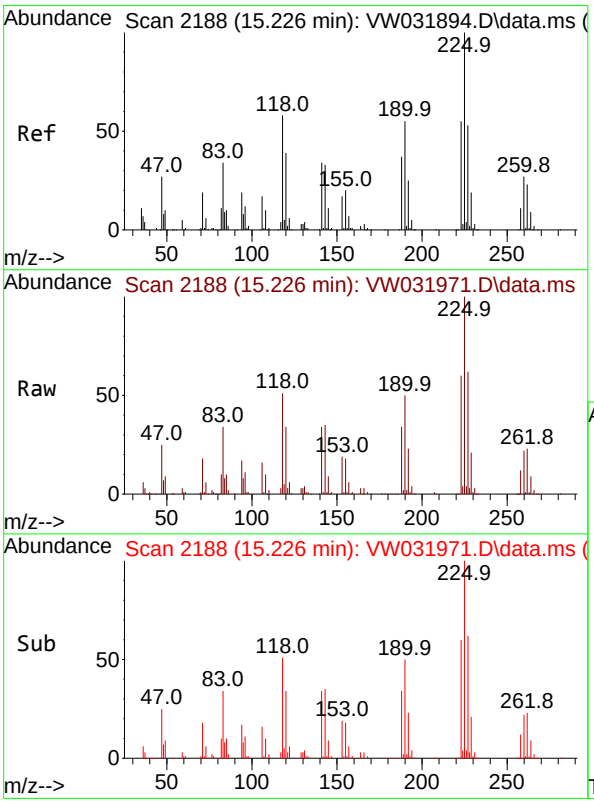
Ion	Ratio	Lower	Upper
180	100		
182	92.9	51.0	153.1
145	34.9	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

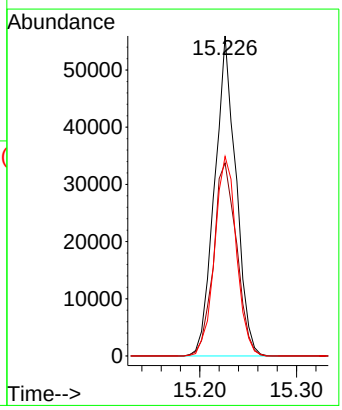
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

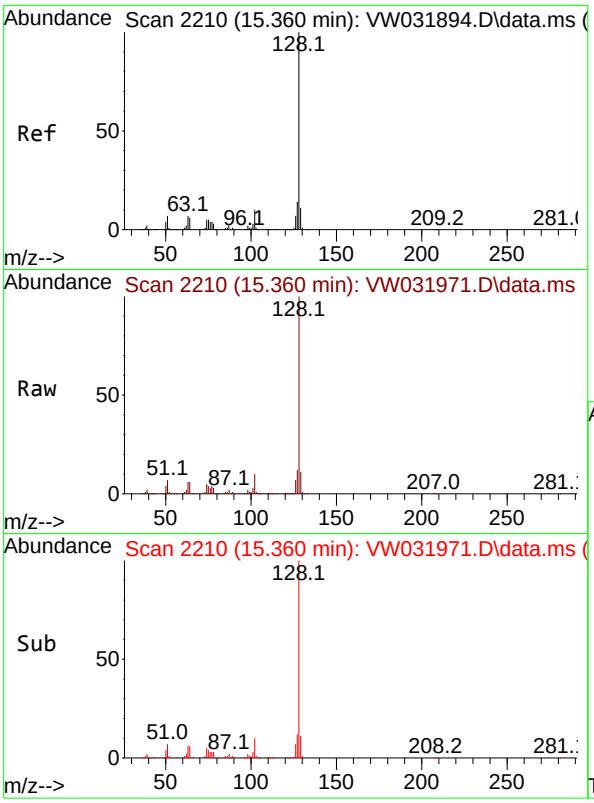


#94
Hexachlorobutadiene
Concen: 51.438 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:225 Resp: 85665

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.9	92.7
227	63.7	30.0	90.1

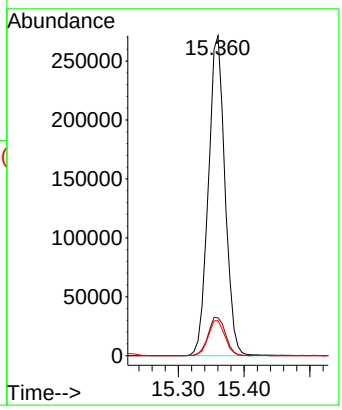




#95
Naphthalene
Concen: 55.201 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:128 Resp: 47697

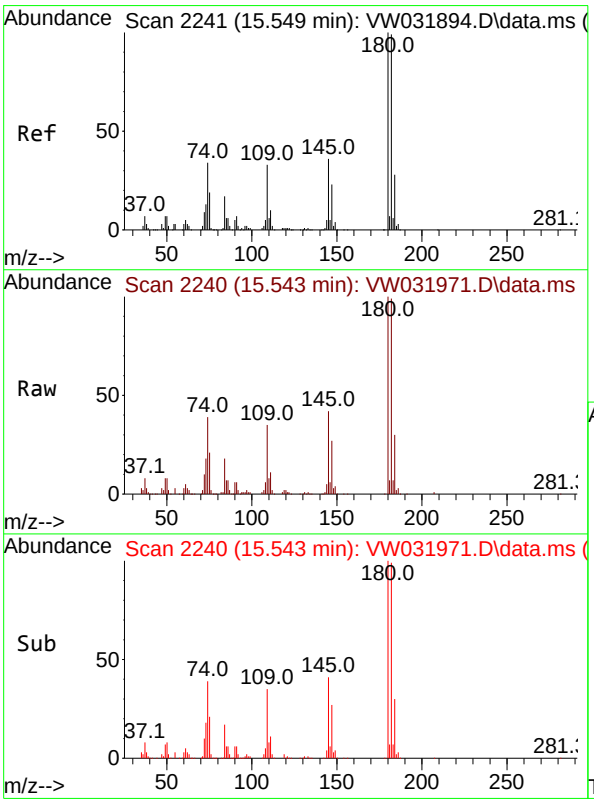
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	11.0	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

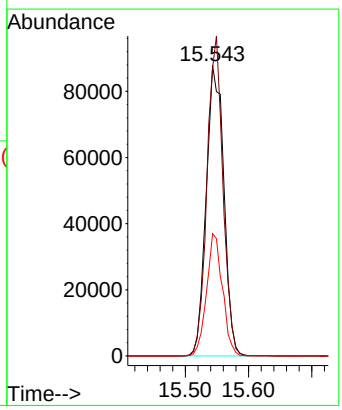
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:180 Resp: 170625

Ion	Ratio	Lower	Upper
180	100		
182	99.3	50.4	151.2
145	38.0	18.6	55.8



Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.372	0.424	-14.0	114	0.00
3	P	Chloromethane	0.477	0.550	-15.3	122	0.00
4	C	Vinyl Chloride	0.620	0.631	-1.8#	99	0.00
5	T	Bromomethane	0.456	0.502	-10.1	112	0.00
6	T	Chloroethane	0.409	0.447	-9.3	110	0.00
7	T	Trichlorofluoromethane	0.628	0.556	11.5	79	-0.01
8	T	Diethyl Ether	0.419	0.435	-3.8	108	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.645	-6.8	106	-0.02
10	T	Methyl Iodide	0.902	0.929	-3.0	104	0.00
11	T	Tert butyl alcohol	0.044	0.051	-15.9	114	0.00
12	CM	1,1-Dichloroethene	0.667	0.727	-9.0#	109	0.00
13	T	Acrolein	0.065	0.017	73.8#	31#	-0.02
14	T	Allyl chloride	1.038	1.037	0.1	99	-0.01
15	T	Acrylonitrile	0.187	0.210	-12.3	111	0.00
16	T	Acetone	0.179	0.201	-12.3	117	-0.01
17	T	Carbon Disulfide	1.729	1.915	-10.8	109	0.00
18	T	Methyl Acetate	0.494	0.592	-19.8	120	-0.01
19	T	Methyl tert-butyl Ether	1.152	1.215	-5.5	104	0.00
20	T	Methylene Chloride	0.944	0.764	19.1	98	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.761	-7.6	106	-0.01
22	T	Diisopropyl ether	2.077	2.182	-5.1	102	0.00
23	T	Vinyl Acetate	1.357	1.467	-8.1	104	0.00
24	P	1,1-Dichloroethane	1.293	1.383	-7.0	106	-0.01
25	T	2-Butanone	0.246	0.276	-12.2	113	0.00
26	T	2,2-Dichloropropane	0.732	0.716	2.2	94	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.892	-7.2	104	0.00
28	T	Bromochloromethane	0.541	0.501	7.4	92	0.00
29	T	Tetrahydrofuran	0.161	0.183	-13.7	111	0.00
30	C	Chloroform	1.356	1.479	-9.1#	109	0.00
31	T	Cyclohexane	1.160	1.145	1.3	101	0.00
32	T	1,1,1-Trichloroethane	1.032	1.084	-5.0	104	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.751	0.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.340	0.365	-7.4	104	0.00
36	T	1,1-Dichloropropene	0.522	0.573	-9.8	105	0.00
37	T	Ethyl Acetate	0.298	0.328	-10.1	103	0.00
38	T	Carbon Tetrachloride	0.501	0.560	-11.8	106	0.00
39	T	Methylcyclohexane	0.657	0.708	-7.8	100	0.00
40	TM	Benzene	1.545	1.718	-11.2	105	0.00
41	T	Methacrylonitrile	0.178	0.194	-9.0	101	0.00
42	TM	1,2-Dichloroethane	0.494	0.555	-12.3	107	0.00
43	T	Isopropyl Acetate	0.539	0.604	-12.1	106	0.00
44	TM	Trichloroethene	0.367	0.401	-9.3	103	0.00
45	C	1,2-Dichloropropane	0.372	0.415	-11.6#	107	0.00
46	T	Dibromomethane	0.231	0.261	-13.0	107	0.00
47	T	Bromodichloromethane	0.553	0.636	-15.0	111	0.00
48	T	Methyl methacrylate	0.256	0.294	-14.8	107	0.00

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	125	0.00
50	S	Toluene-d8	1.286	1.350	-5.0	103	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.348	-18.0	110	0.00
52	CM	Toluene	0.993	1.134	-14.2#	108	0.00
53	T	t-1,3-Dichloropropene	0.530	0.592	-11.7	106	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.680	-12.2	105	0.00
55	T	1,1,2-Trichloroethane	0.306	0.352	-15.0	109	0.00
56	T	Ethyl methacrylate	0.433	0.504	-16.4	106	0.00
57	T	1,3-Dichloropropane	0.540	0.616	-14.1	107	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.223	-0.5	93	0.00
59	T	2-Hexanone	0.205	0.241	-17.6	109	0.00
60	T	Dibromochloromethane	0.357	0.419	-17.4	111	0.00
61	T	1,2-Dibromoethane	0.303	0.340	-12.2	106	0.00
62	S	4-Bromofluorobenzene	0.494	0.495	-0.2	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.330	0.342	-3.6	104	0.00
65	PM	Chlorobenzene	1.224	1.307	-6.8	103	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.436	-15.0	114	0.00
67	C	Ethyl Benzene	2.150	2.369	-10.2#	105	0.00
68	T	m/p-Xylenes	0.809	0.892	-10.3	107	0.00
69	T	o-Xylene	0.766	0.852	-11.2	105	0.00
70	T	Styrene	1.304	1.488	-14.1	108	0.00
71	P	Bromoform	0.207	0.250	-20.8	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	4.338	4.606	-6.2	104	0.00
74	T	N-amyl acetate	1.173	1.275	-8.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	1.020	-10.7	111	0.00
76	T	1,2,3-Trichloropropane	0.690	0.733	-6.2	106	0.00
77	T	Bromobenzene	0.939	1.039	-10.6	114	0.00
78	T	n-propylbenzene	5.328	5.564	-4.4	104	0.00
79	T	2-Chlorotoluene	3.181	3.328	-4.6	106	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.834	-5.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.330	-10.4	110	0.00
82	T	4-Chlorotoluene	3.337	3.500	-4.9	106	0.00
83	T	tert-Butylbenzene	3.099	3.334	-7.6	108	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.910	-6.2	106	0.00
85	T	sec-Butylbenzene	4.654	4.777	-2.6	103	0.00
86	T	p-Isopropyltoluene	3.847	4.072	-5.8	106	0.00
87	T	1,3-Dichlorobenzene	1.954	2.047	-4.8	107	0.00
88	T	1,4-Dichlorobenzene	1.914	2.007	-4.9	110	0.00
89	T	n-Butylbenzene	3.774	3.941	-4.4	103	0.00
90	T	Hexachloroethane	0.665	0.721	-8.4	112	0.00
91	T	1,2-Dichlorobenzene	1.732	1.810	-4.5	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.183	-10.2	114	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.113	-6.6	113	0.00
94	T	Hexachlorobutadiene	0.495	0.509	-2.8	104	0.00
95	T	Naphthalene	2.567	2.835	-10.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	1.014	-7.2	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	57.106	-14.2	114	0.00
3	P	Chloromethane	50.000	57.631	-15.3	122	0.00
4	C	Vinyl Chloride	50.000	50.910	-1.8#	99	0.00
5	T	Bromomethane	50.000	55.049	-10.1	112	0.00
6	T	Chloroethane	50.000	54.684	-9.4	110	0.00
7	T	Trichlorofluoromethane	50.000	44.312	11.4	79	-0.01
8	T	Diethyl Ether	50.000	51.846	-3.7	108	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.402	-6.8	106	-0.02
10	T	Methyl Iodide	50.000	51.469	-2.9	104	0.00
11	T	Tert butyl alcohol	250.000	288.537	-15.4	114	0.00
12	CM	1,1-Dichloroethene	50.000	54.504	-9.0#	109	0.00
13	T	Acrolein	250.000	59.978	76.0#	31	-0.02
14	T	Allyl chloride	50.000	49.935	0.1	99	-0.01
15	T	Acrylonitrile	250.000	279.999	-12.0	111	0.00
16	T	Acetone	250.000	280.500	-12.2	117	-0.01
17	T	Carbon Disulfide	50.000	55.366	-10.7	109	0.00
18	T	Methyl Acetate	50.000	59.882	-19.8	120	-0.01
19	T	Methyl tert-butyl Ether	50.000	52.743	-5.5	104	0.00
20	T	Methylene Chloride	50.000	49.711	0.6	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.778	-7.6	106	-0.01
22	T	Diisopropyl ether	50.000	52.539	-5.1	102	0.00
23	T	Vinyl Acetate	250.000	270.216	-8.1	104	0.00
24	P	1,1-Dichloroethane	50.000	53.466	-6.9	106	-0.01
25	T	2-Butanone	250.000	280.867	-12.3	113	0.00
26	T	2,2-Dichloropropane	50.000	48.877	2.2	94	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.628	-7.3	104	0.00
28	T	Bromochloromethane	50.000	46.312	7.4	92	0.00
29	T	Tetrahydrofuran	250.000	284.086	-13.6	111	0.00
30	C	Chloroform	50.000	54.561	-9.1#	109	0.00
31	T	Cyclohexane	50.000	49.349	1.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	52.529	-5.1	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.660	0.7	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	53.665	-7.3	104	0.00
36	T	1,1-Dichloropropene	50.000	54.892	-9.8	105	0.00
37	T	Ethyl Acetate	50.000	55.082	-10.2	103	0.00
38	T	Carbon Tetrachloride	50.000	55.914	-11.8	106	0.00
39	T	Methylcyclohexane	50.000	53.874	-7.7	100	0.00
40	TM	Benzene	50.000	55.601	-11.2	105	0.00
41	T	Methacrylonitrile	50.000	54.466	-8.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	56.094	-12.2	107	0.00
43	T	Isopropyl Acetate	50.000	56.007	-12.0	106	0.00
44	TM	Trichloroethene	50.000	54.659	-9.3	103	0.00
45	C	1,2-Dichloropropane	50.000	55.778	-11.6#	107	0.00
46	T	Dibromomethane	50.000	56.530	-13.1	107	0.00
47	T	Bromodichloromethane	50.000	57.492	-15.0	111	0.00
48	T	Methyl methacrylate	50.000	57.353	-14.7	107	0.00

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1520.227	-52.0#	125	0.00
50	S	Toluene-d8	50.000	52.485	-5.0	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	294.645	-17.9	110	0.00
52	CM	Toluene	50.000	57.118	-14.2#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	55.788	-11.6	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.169	-12.3	105	0.00
55	T	1,1,2-Trichloroethane	50.000	57.413	-14.8	109	0.00
56	T	Ethyl methacrylate	50.000	58.234	-16.5	106	0.00
57	T	1,3-Dichloropropane	50.000	57.096	-14.2	107	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.017	-0.4	93	0.00
59	T	2-Hexanone	250.000	293.457	-17.4	109	0.00
60	T	Dibromochloromethane	50.000	58.688	-17.4	111	0.00
61	T	1,2-Dibromoethane	50.000	56.140	-12.3	106	0.00
62	S	4-Bromofluorobenzene	50.000	50.153	-0.3	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	51.855	-3.7	104	0.00
65	PM	Chlorobenzene	50.000	53.387	-6.8	103	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.521	-15.0	114	0.00
67	C	Ethyl Benzene	50.000	55.092	-10.2#	105	0.00
68	T	m/p-Xylenes	100.000	110.164	-10.2	107	0.00
69	T	o-Xylene	50.000	55.646	-11.3	105	0.00
70	T	Styrene	50.000	57.041	-14.1	108	0.00
71	P	Bromoform	50.000	60.255	-20.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	53.083	-6.2	104	0.00
74	T	N-amyl acetate	50.000	54.340	-8.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.405	-10.8	111	0.00
76	T	1,2,3-Trichloropropane	50.000	53.061	-6.1	106	0.00
77	T	Bromobenzene	50.000	55.328	-10.7	114	0.00
78	T	n-propylbenzene	50.000	52.211	-4.4	104	0.00
79	T	2-Chlorotoluene	50.000	52.311	-4.6	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.683	-5.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.201	-10.4	110	0.00
82	T	4-Chlorotoluene	50.000	52.442	-4.9	106	0.00
83	T	tert-Butylbenzene	50.000	53.787	-7.6	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.090	-6.2	106	0.00
85	T	sec-Butylbenzene	50.000	51.317	-2.6	103	0.00
86	T	p-Isopropyltoluene	50.000	52.921	-5.8	106	0.00
87	T	1,3-Dichlorobenzene	50.000	52.377	-4.8	107	0.00
88	T	1,4-Dichlorobenzene	50.000	52.427	-4.9	110	0.00
89	T	n-Butylbenzene	50.000	52.221	-4.4	103	0.00
90	T	Hexachloroethane	50.000	54.161	-8.3	112	0.00
91	T	1,2-Dichlorobenzene	50.000	52.276	-4.6	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.947	-9.9	114	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.269	-6.5	113	0.00
94	T	Hexachlorobutadiene	50.000	51.438	-2.9	104	0.00
95	T	Naphthalene	50.000	55.201	-10.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.582	-7.2	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW031985.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/01/2025 14:57
Lab File ID: VW031985.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.303		-18.55	50
Chloromethane	0.477	0.486	0.1	1.89	50
Vinyl Chloride	0.620	0.536		-13.55	50
Bromomethane	0.456	0.462		1.32	50
Chloroethane	0.409	0.421		2.93	50
Tetrahydrofuran	0.161	0.181		12.42	50
Trichlorofluoromethane	0.628	0.560		-10.83	50
1,1,2-Trichlorotrifluoroethane	0.604	0.587		-2.82	50
1,1-Dichloroethene	0.667	0.644		-3.45	50
Acrylonitrile	0.187	0.207		10.69	50
Acetone	0.179	0.166		-7.26	50
Carbon Disulfide	1.729	1.739		0.58	50
Methyl tert-butyl Ether	1.152	1.265		9.81	50
Methylene Chloride	0.944	0.763		-19.17	50
trans-1,2-Dichloroethene	0.707	0.714		0.99	50
1,1-Dichloroethane	1.293	1.340	0.1	3.63	50
2-Butanone	0.246	0.262		6.5	50
Carbon Tetrachloride	0.501	0.469		-6.39	50
2,2-Dichloropropane	0.732	0.691		-5.6	50
cis-1,2-Dichloroethene	0.832	0.869		4.45	50
Chloroform	1.356	1.411		4.06	50
1,1,1-Trichloroethane	1.032	1.016		-1.55	50
1,1-Dichloropropene	0.522	0.489		-6.32	50
Benzene	1.545	1.555		0.65	50
1,2-Dichloroethane	0.494	0.495		0.2	50
Trichloroethene	0.367	0.362		-1.36	50
1,2-Dichloropropane	0.372	0.373		0.27	50
Dibromomethane	0.231	0.244		5.63	50
Bromodichloromethane	0.553	0.567		2.53	50
4-Methyl-2-Pentanone	0.295	0.326		10.51	50
Toluene	0.993	0.998		0.5	50
t-1,3-Dichloropropene	0.530	0.542		2.26	50
cis-1,3-Dichloropropene	0.606	0.620		2.31	50
1,1,2-Trichloroethane	0.306	0.332		8.5	50
1,3-Dichloropropane	0.540	0.564		4.44	50
2-Hexanone	0.205	0.225		9.76	50
Dibromochloromethane	0.357	0.375		5.04	50
1,2-Dibromoethane	0.303	0.322		6.27	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW031985.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/01/2025 14:57
Lab File ID: VW031985.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.330	0.310		-6.06	50
Chlorobenzene	1.224	1.192	0.3	-2.61	50
1,1,1,2-Tetrachloroethane	0.379	0.379		0	50
Ethyl Benzene	2.150	2.086		-2.98	50
m/p-Xylenes	0.809	0.783		-3.21	50
o-Xylene	0.766	0.754		-1.57	50
Styrene	1.304	1.297		-0.54	50
Bromoform	0.207	0.215	0.1	3.87	50
Isopropylbenzene	4.338	4.060		-6.41	50
1,1,2,2-Tetrachloroethane	0.921	0.956	0.3	3.8	50
1,2,3-Trichloropropane	0.690	0.690		0	50
Bromobenzene	0.939	0.965		2.77	50
n-propylbenzene	5.328	4.926		-7.55	50
2-Chlorotoluene	3.181	3.013		-5.28	50
1,3,5-Trimethylbenzene	3.638	3.499		-3.82	50
4-Chlorotoluene	3.337	3.183		-4.61	50
tert-Butylbenzene	3.099	2.889		-6.78	50
1,2,4-Trimethylbenzene	3.683	3.561		-3.31	50
sec-Butylbenzene	4.654	4.239		-8.92	50
p-Isopropyltoluene	3.847	3.679		-4.37	50
1,3-Dichlorobenzene	1.954	1.899		-2.82	50
1,4-Dichlorobenzene	1.914	1.847		-3.5	50
n-Butylbenzene	3.774	3.455		-8.45	50
1,2-Dichlorobenzene	1.732	1.696		-2.08	50
1,2-Dibromo-3-Chloropropane	0.166	0.168		1.21	50
1,2,4-Trichlorobenzene	1.044	0.999		-4.31	50
Hexachlorobutadiene	0.495	0.457		-7.68	50
1,2,3-Trichlorobenzene	0.946	0.928		-1.9	50
1,2-Dichloroethane-d4	0.756	0.726		-3.97	50
Dibromofluoromethane	0.340	0.322		-5.29	50
Toluene-d8	1.286	1.186		-7.78	50
4-Bromofluorobenzene	0.494	0.463		-6.28	50
trans-1,4-Dichloro-2-butene	0.299	0.291		-2.68	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	217498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	419257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	382211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157864	47.980	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 95.960%			
35) Dibromofluoromethane	7.904	113	135030	47.397	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.800%			
50) Toluene-d8	10.325	98	497217	46.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.220%			
62) 4-Bromofluorobenzene	12.617	95	194159	46.896	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	65863	40.744	ug/l	94
3) Chloromethane	2.259	50	105655	50.923	ug/l	95
4) Vinyl Chloride	2.405	62	116587	43.257	ug/l	99
5) Bromomethane	2.826	94	100506	50.641	ug/l	96
6) Chloroethane	2.972	64	91543	51.463	ug/l	98
7) Trichlorofluoromethane	3.308	101	121875	44.646	ug/l	95
8) Diethyl Ether	3.722	74	93030	51.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	127755	48.656	ug/l	97
10) Methyl Iodide	4.301	142	196088	49.948	ug/l	99
11) Tert butyl alcohol	5.228	59	52198	269.895	ug/l	99
12) 1,1-Dichloroethene	4.082	96	140015	48.279	ug/l	88
13) Acrolein	3.936	56	18028	59.470	ug/l	97
14) Allyl chloride	4.704	41	220972	48.945	ug/l	99
15) Acrylonitrile	5.405	53	225550	276.667	ug/l	98
16) Acetone	4.167	43	180159	230.752	ug/l	99
17) Carbon Disulfide	4.423	76	378273	50.293	ug/l	99
18) Methyl Acetate	4.716	43	127438	59.246	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	275241	54.928	ug/l	99
20) Methylene Chloride	4.954	84	165899	49.650	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	155357	50.489	ug/l	98
22) Diisopropyl ether	6.344	45	473070	52.366	ug/l	100
23) Vinyl Acetate	6.283	43	1577267	267.245	ug/l	99
24) 1,1-Dichloroethane	6.246	63	291446	51.816	ug/l	99
25) 2-Butanone	7.197	43	284854	266.658	ug/l	92
26) 2,2-Dichloropropane	7.191	77	150222	47.176	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	189076	52.267	ug/l	99
28) Bromochloromethane	7.532	49	114765	48.733	ug/l	94
29) Tetrahydrofuran	7.557	42	197132	281.470	ug/l	99
30) Chloroform	7.691	83	306842	52.030	ug/l	99
31) Cyclohexane	7.971	56	230354	45.650	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	220991	49.245	ug/l	99
36) 1,1-Dichloropropene	8.099	75	205027	46.862	ug/l	99
37) Ethyl Acetate	7.276	43	132933	53.262	ug/l	99
38) Carbon Tetrachloride	8.081	117	196620	46.827	ug/l	99
39) Methylcyclohexane	9.343	83	255342	46.376	ug/l	97
40) Benzene	8.337	78	652081	50.349	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	78554	52.578	ug/l		97
42) 1,2-Dichloroethane	8.416	62	207624	50.091	ug/l		99
43) Isopropyl Acetate	8.435	43	237483	52.561	ug/l		100
44) Trichloroethene	9.105	130	151714	49.283	ug/l		94
45) 1,2-Dichloropropane	9.374	63	156300	50.111	ug/l		99
46) Dibromomethane	9.465	93	102389	52.955	ug/l		97
47) Bromodichloromethane	9.654	83	237800	51.290	ug/l		100
48) Methyl methacrylate	9.441	41	116300	54.104	ug/l		98
49) 1,4-Dioxane	9.465	88	24093	1248.792	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	683642	276.474	ug/l		99
52) Toluene	10.392	92	418627	50.282	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	227379	51.126	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	259764	51.145	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	139062	54.145	ug/l		95
56) Ethyl methacrylate	10.648	69	198472	54.717	ug/l		99
57) 1,3-Dichloropropane	10.934	76	236462	52.261	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	454012	243.681	ug/l		99
59) 2-Hexanone	10.971	43	471245	274.174	ug/l		99
60) Dibromochloromethane	11.129	129	157200	52.497	ug/l		98
61) 1,2-Dibromoethane	11.239	107	134804	53.118	ug/l		99
64) Tetrachloroethene	10.867	164	118669	47.091	ug/l		86
65) Chlorobenzene	11.660	112	455717	48.717	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.727	131	144835	49.944	ug/l		97
67) Ethyl Benzene	11.727	91	797474	48.521	ug/l		98
68) m/p-Xylenes	11.837	106	598674	96.758	ug/l		97
69) o-Xylene	12.166	106	288170	49.214	ug/l		97
70) Styrene	12.178	104	495553	49.707	ug/l		99
71) Bromoform	12.349	173	82082	51.754	ug/l	#	99
73) Isopropylbenzene	12.464	105	722149	46.792	ug/l		98
74) N-amyl acetate	12.269	43	217122	52.039	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	169961	51.882	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	122647m	49.942	ug/l		
77) Bromobenzene	12.751	156	171625	51.396	ug/l		93
78) n-propylbenzene	12.800	91	876165	46.224	ug/l		98
79) 2-Chlorotoluene	12.891	91	535891	47.352	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	622333	48.080	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	51800	48.698	ug/l		100
82) 4-Chlorotoluene	12.983	91	566162	47.686	ug/l		100
83) tert-Butylbenzene	13.202	119	513940	46.614	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	633478	48.353	ug/l		100
85) sec-Butylbenzene	13.379	105	754033	45.541	ug/l		98
86) p-Isopropyltoluene	13.495	119	654380	47.816	ug/l		97
87) 1,3-Dichlorobenzene	13.495	146	337742	48.589	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	328506	48.244	ug/l		98
89) n-Butylbenzene	13.818	91	614609	45.780	ug/l		98
90) Hexachloroethane	14.086	117	108440	45.823	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	301718	48.979	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29937	50.583	ug/l		98
93) 1,2,4-Trichlorobenzene	15.123	180	177757	47.847	ug/l		97
94) Hexachlorobutadiene	15.226	225	81268	46.164	ug/l		96
95) Naphthalene	15.360	128	477448	52.274	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	165137	49.060	ug/l		97

Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

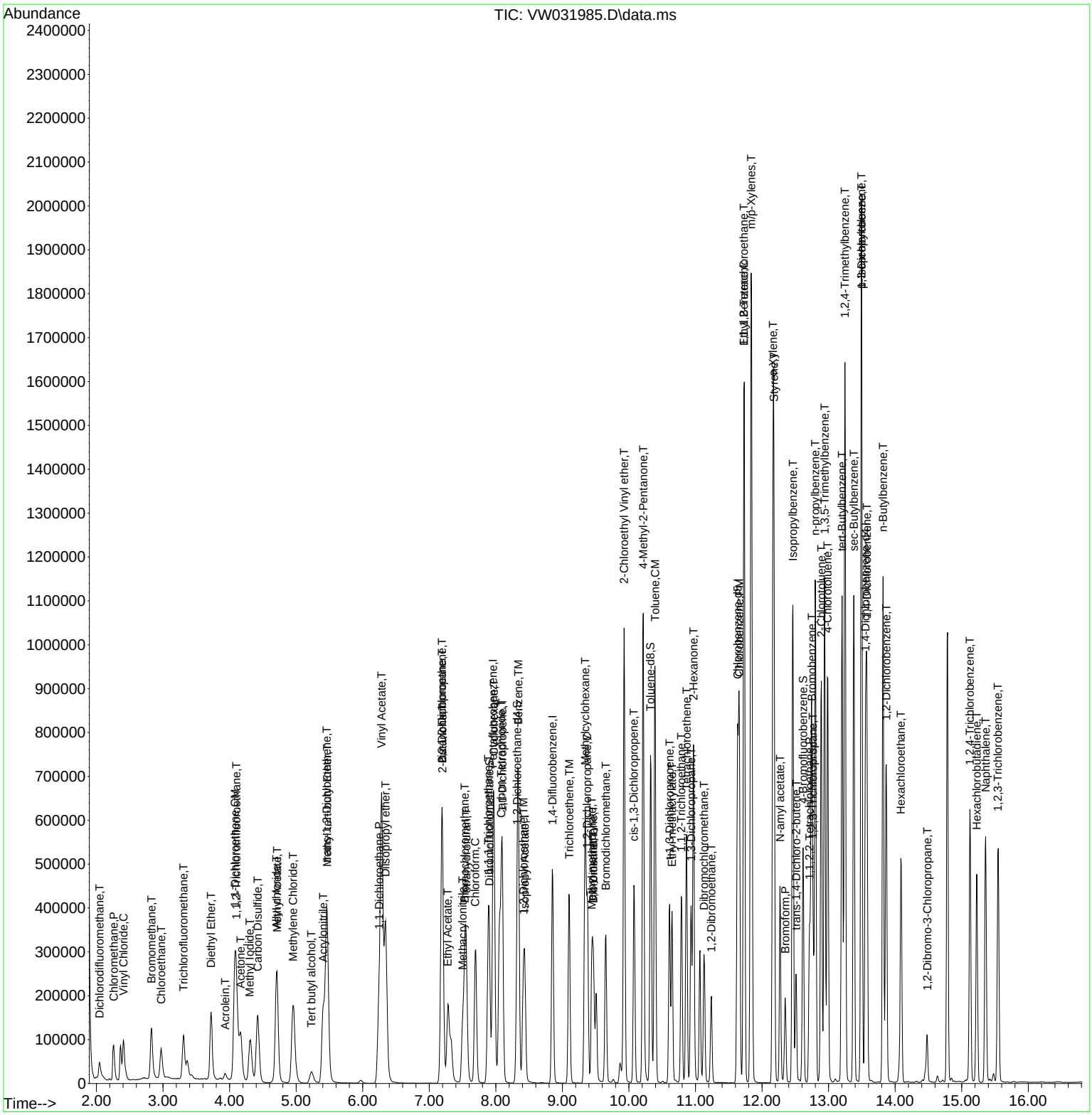
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Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

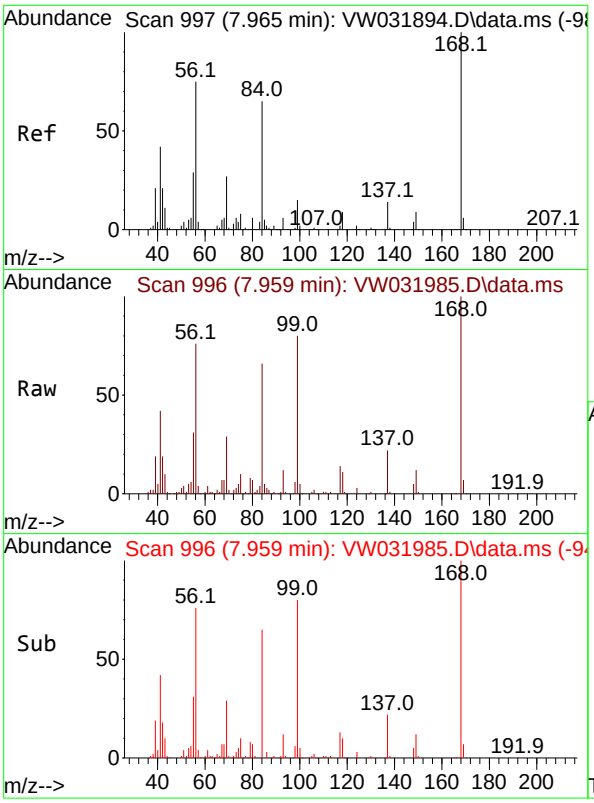
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Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

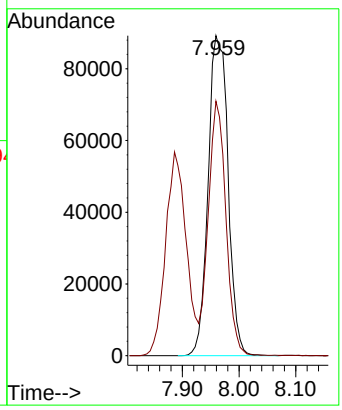
Tgt Ion:168 Resp: 21749

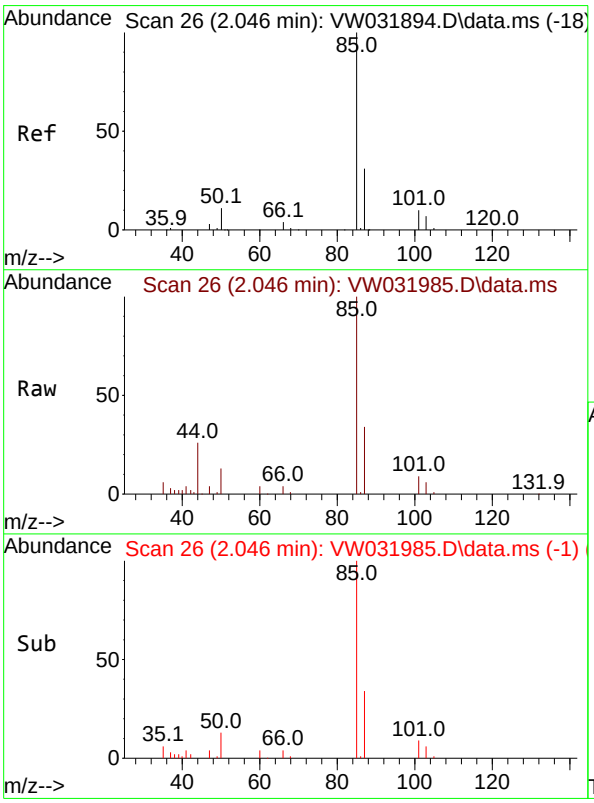
Ion	Ratio	Lower	Upper
168	100		
99	79.4	48.2	72.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

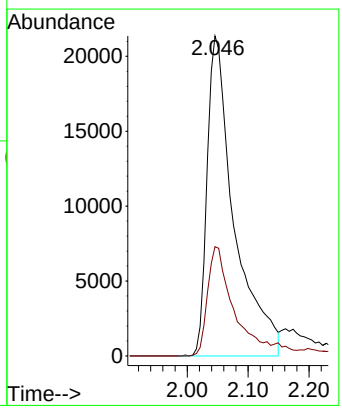


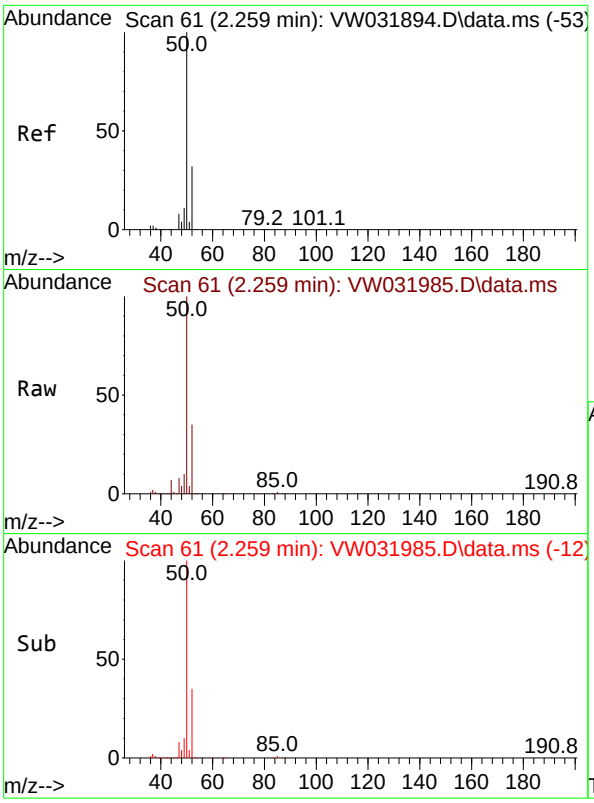


#2
Dichlorodifluoromethane
Concen: 40.744 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 85 Resp: 65863

Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.5	46.5

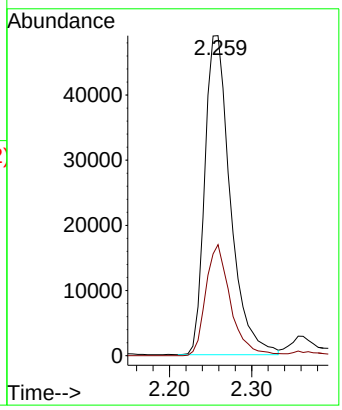




#3
Chloromethane
Concen: 50.923 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 50 Resp: 10565

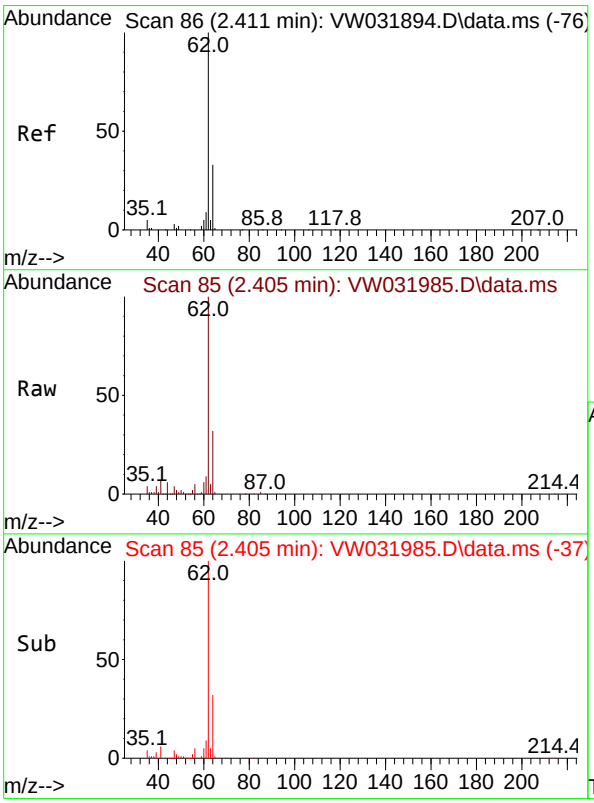
Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

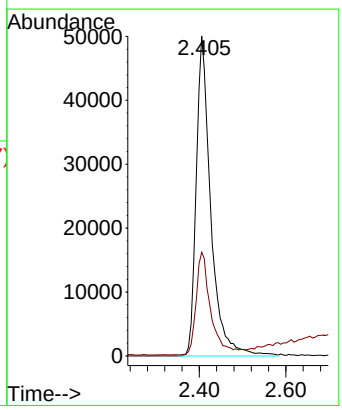
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

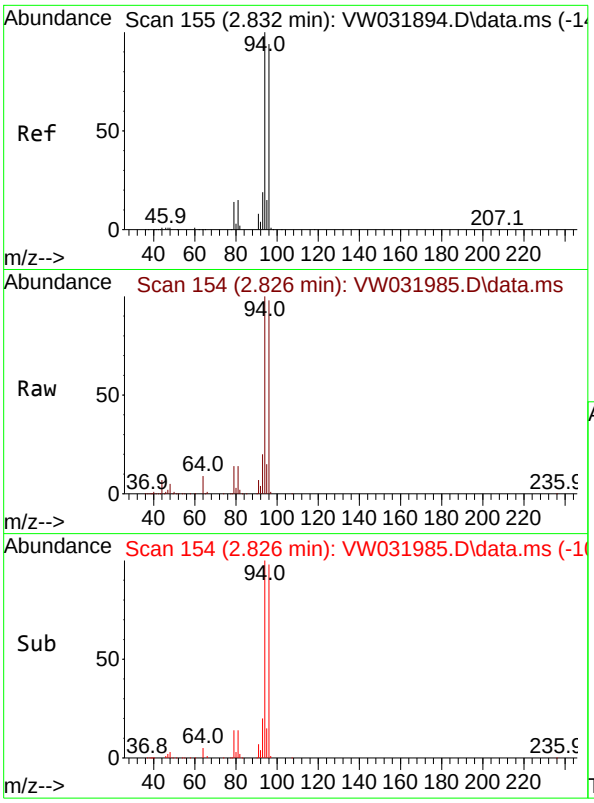


#4
Vinyl Chloride
Concen: 43.257 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 62 Resp: 116587

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.2	39.2

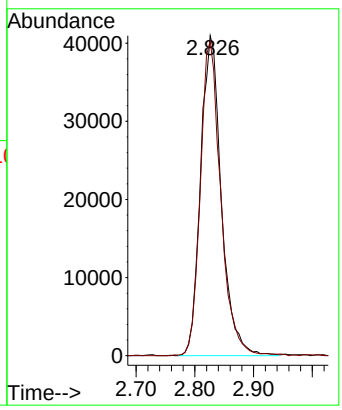




#5
Bromomethane
Concen: 50.641 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 94 Resp: 10050

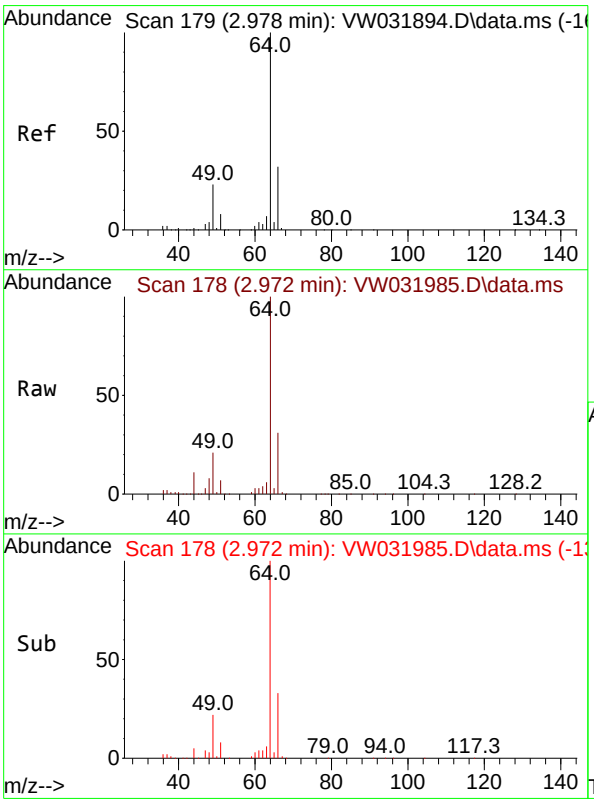
Ion	Ratio	Lower	Upper
94	100		
96	98.1	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

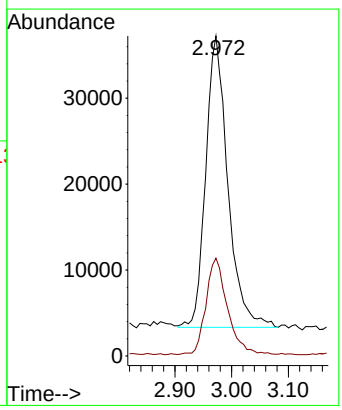
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

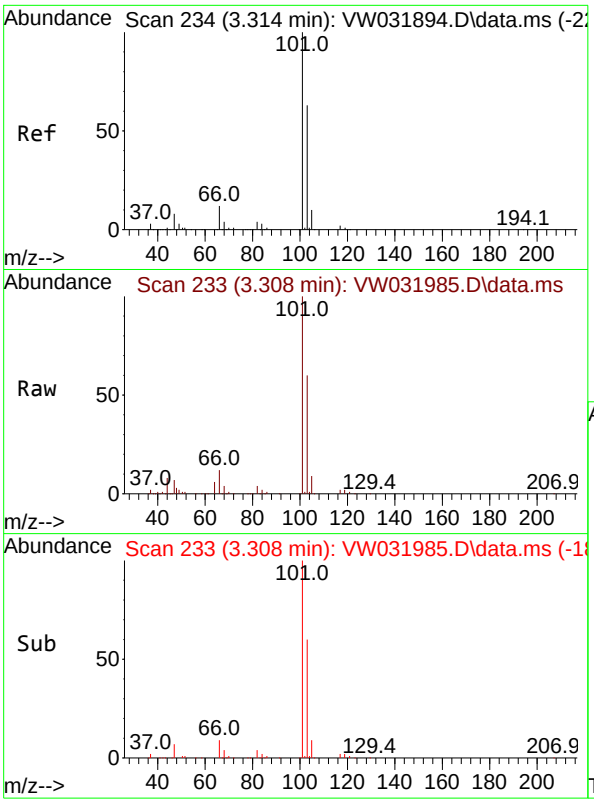


#6
Chloroethane
Concen: 51.463 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 64 Resp: 91543

Ion	Ratio	Lower	Upper
64	100		
66	33.1	25.6	38.4





#7
Trichlorofluoromethane
Concen: 44.646 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

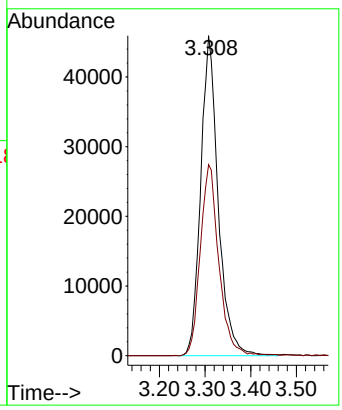
Tgt Ion:101 Resp: 12187

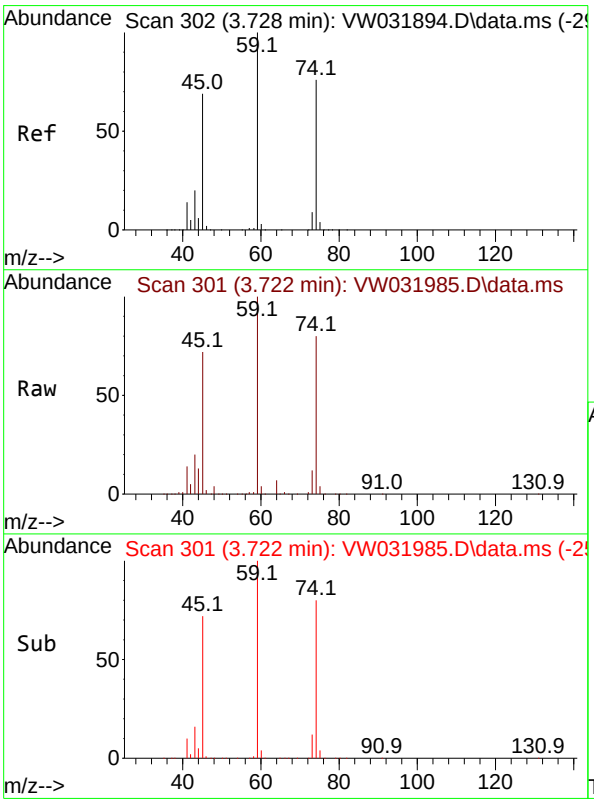
Ion	Ratio	Lower	Upper
101	100		
103	59.7	50.7	76.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

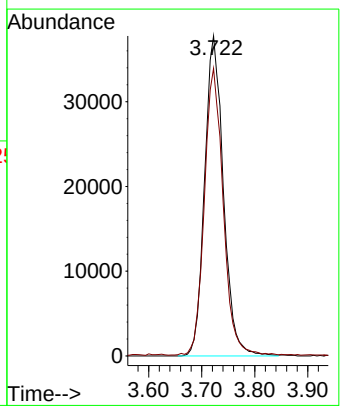


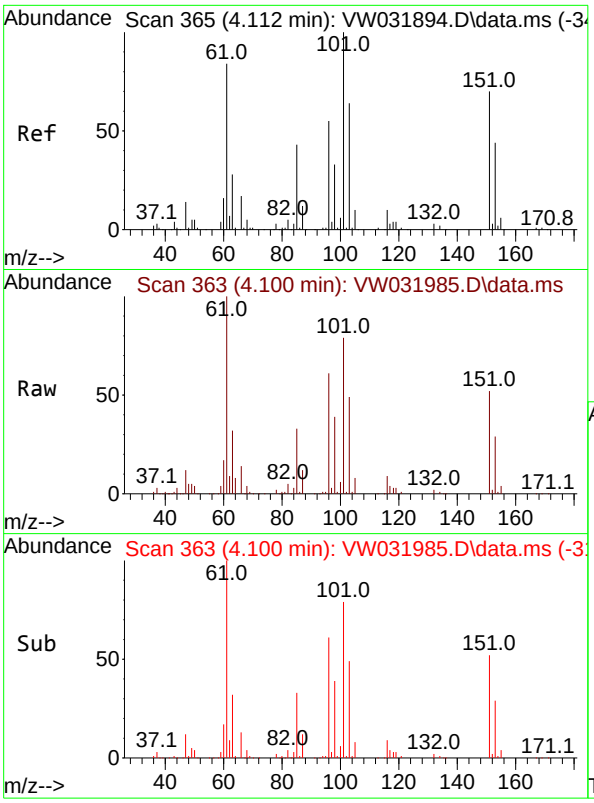


#8
Diethyl Ether
Concen: 51.017 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 74 Resp: 93030

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.656 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

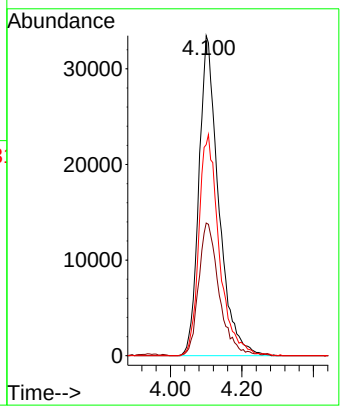
Tgt Ion:101 Resp: 12775

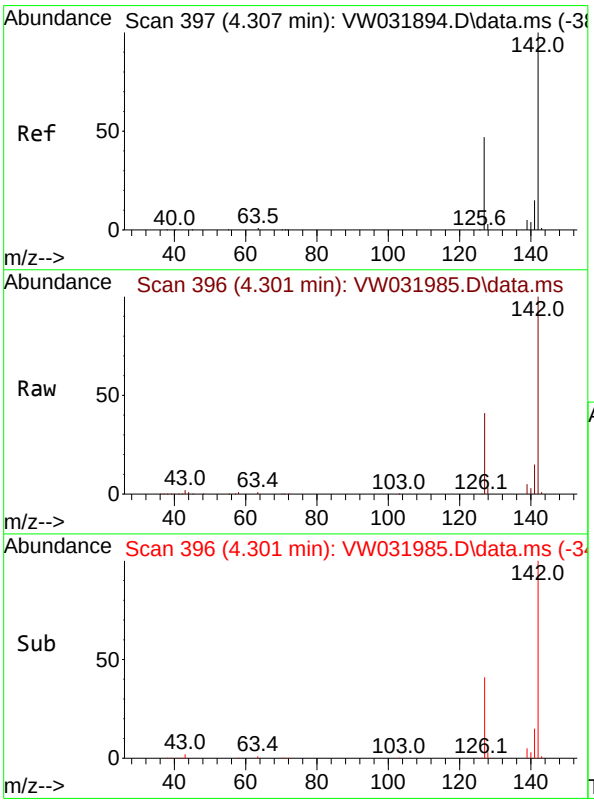
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.5	53.3
151	71.4	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

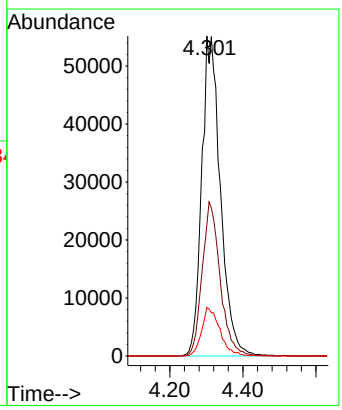


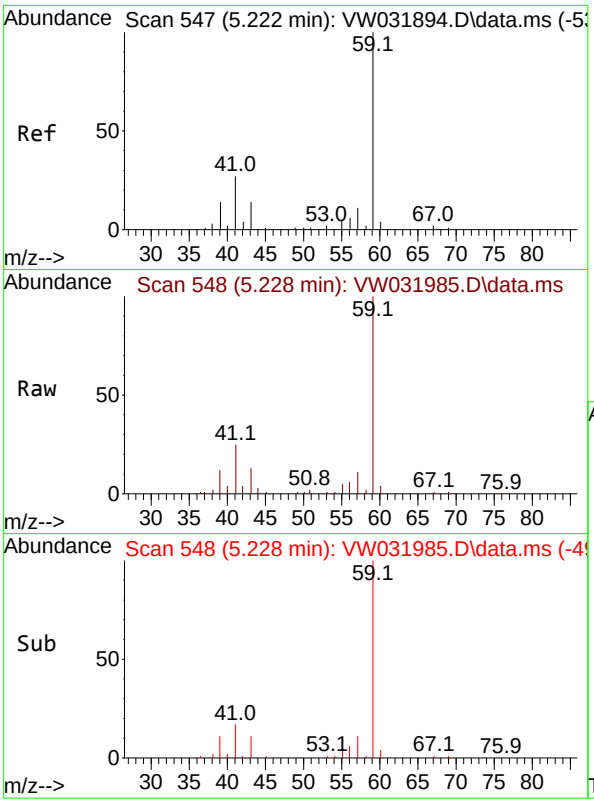


#10
Methyl Iodide
Concen: 49.948 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:142 Resp: 196088

Ion	Ratio	Lower	Upper
142	100		
127	46.1	37.4	56.2
141	14.8	11.9	17.9

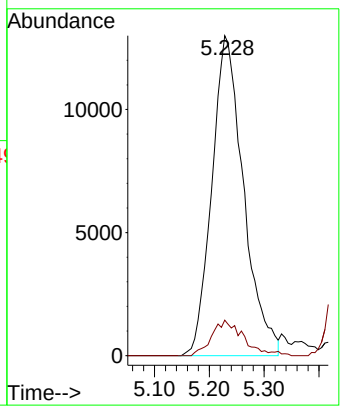




#11
Tert butyl alcohol
Concen: 269.895 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 59 Resp: 5219

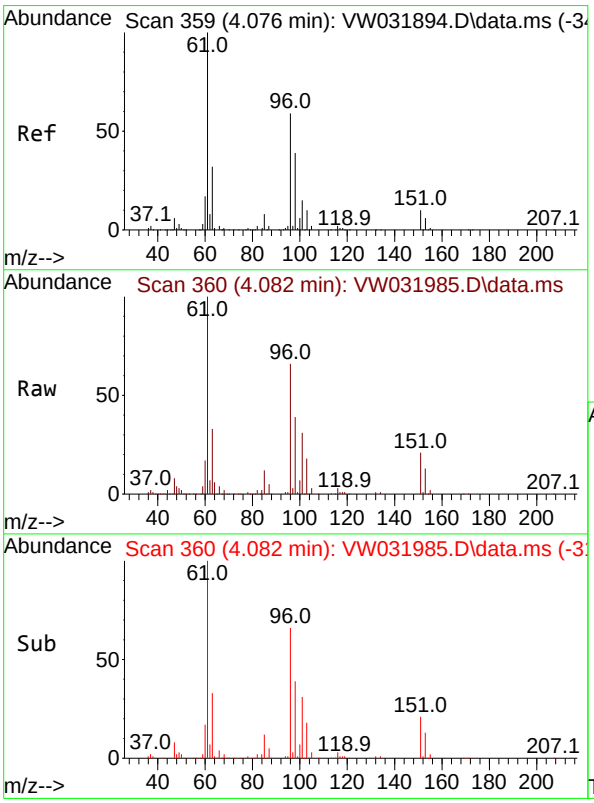
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

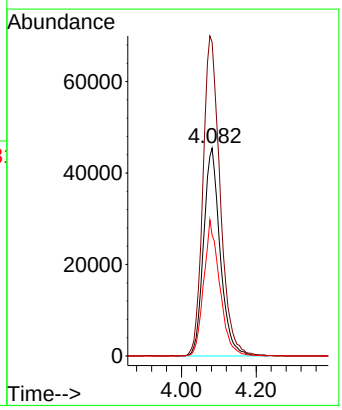
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

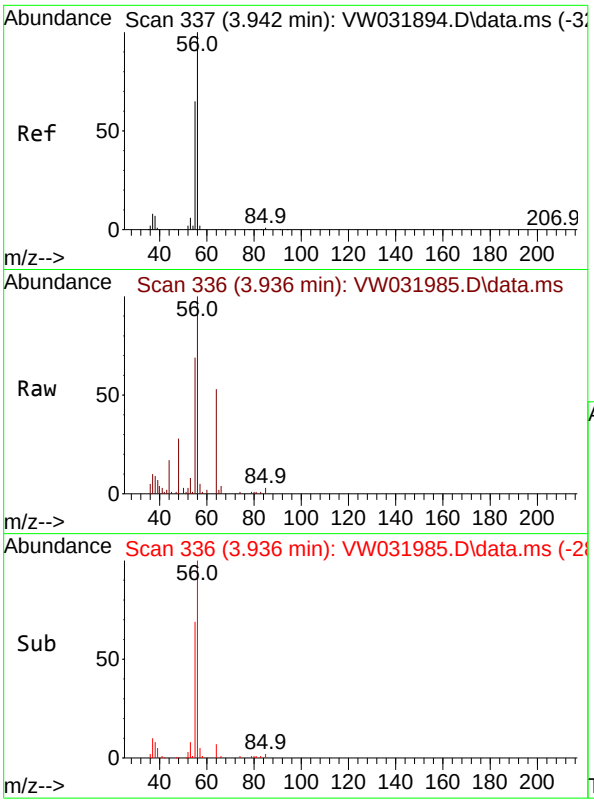


#12
1,1-Dichloroethene
Concen: 48.279 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 96 Resp: 140015

Ion	Ratio	Lower	Upper
96	100		
61	150.9	135.0	202.6
98	58.1	52.3	78.5





#13
Acrolein
Concen: 59.470 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

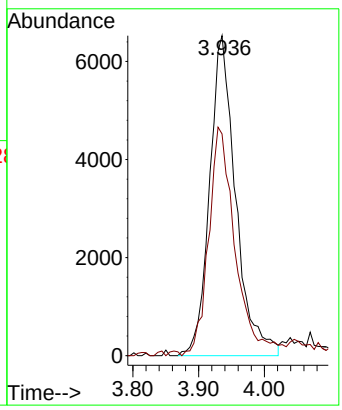
Tgt Ion: 56 Resp: 1802

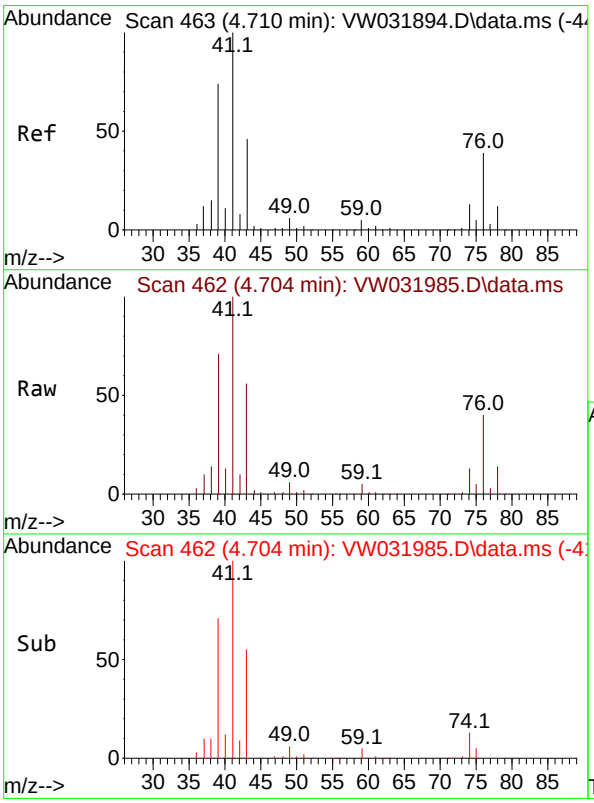
Ion	Ratio	Lower	Upper
56	100		
55	73.1	56.7	85.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

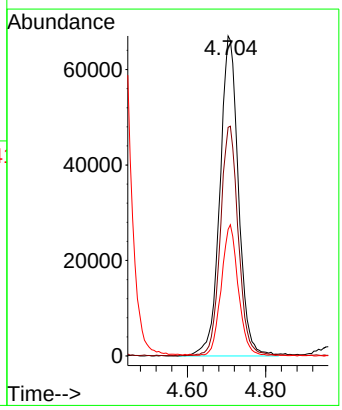


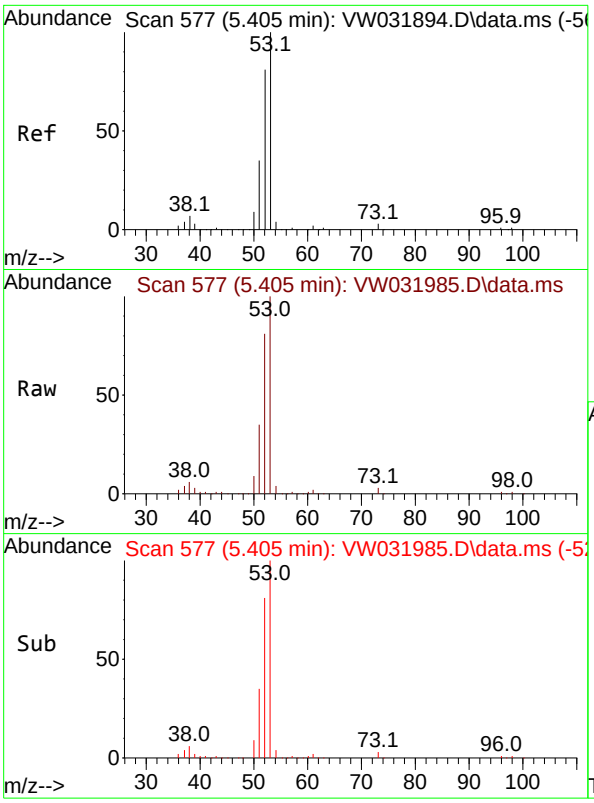


#14
Allyl chloride
Concen: 48.945 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 41 Resp: 220972

Ion	Ratio	Lower	Upper
41	100		
39	69.5	56.6	85.0
76	37.1	30.1	45.1

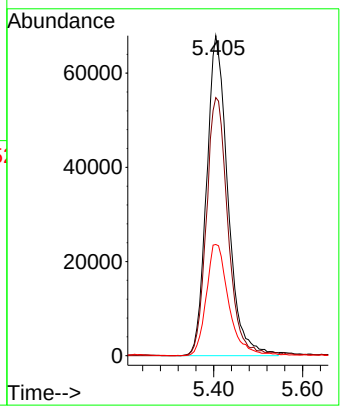




#15
Acrylonitrile
Concen: 276.667 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 53 Resp: 22555

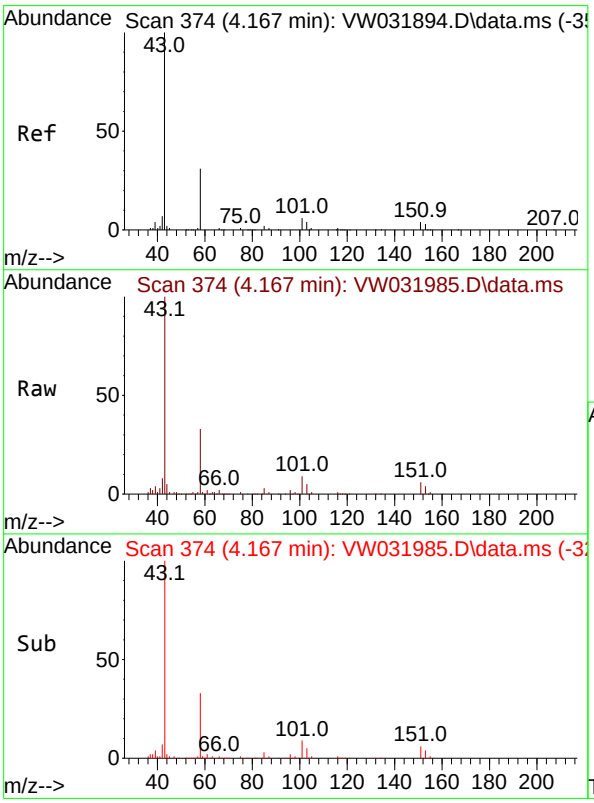
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.0	100.4
51	37.1	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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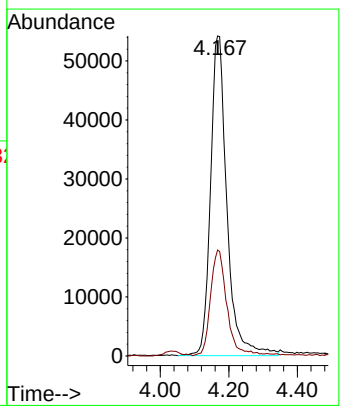
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

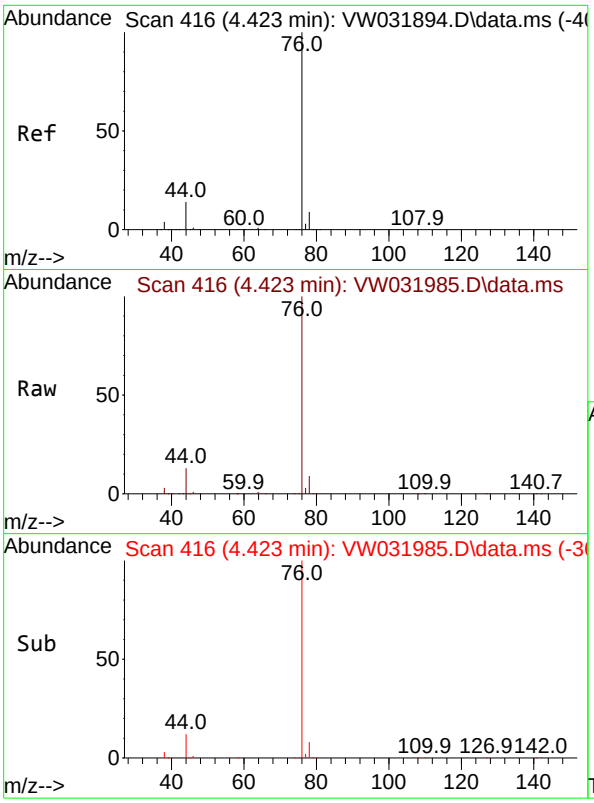


#16
Acetone
Concen: 230.752 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 180159

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.5	38.3





#17
Carbon Disulfide
Concen: 50.293 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

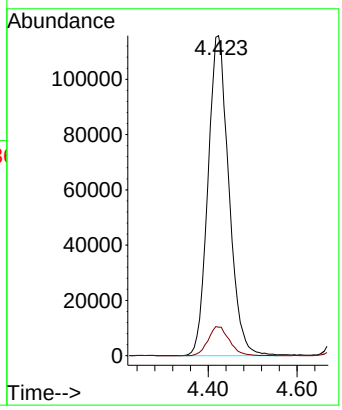
Tgt Ion: 76 Resp: 37827

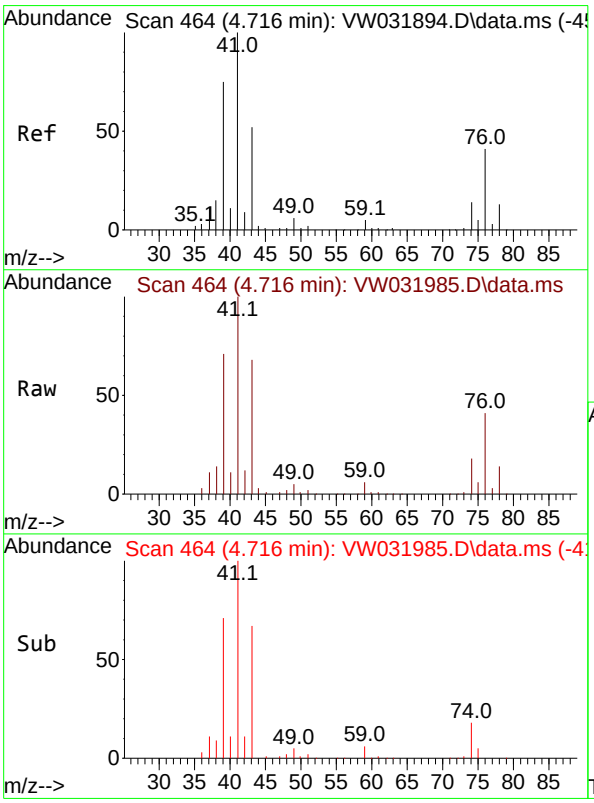
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

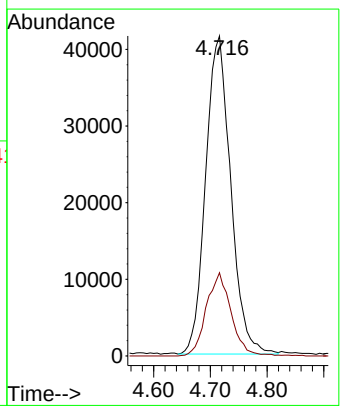


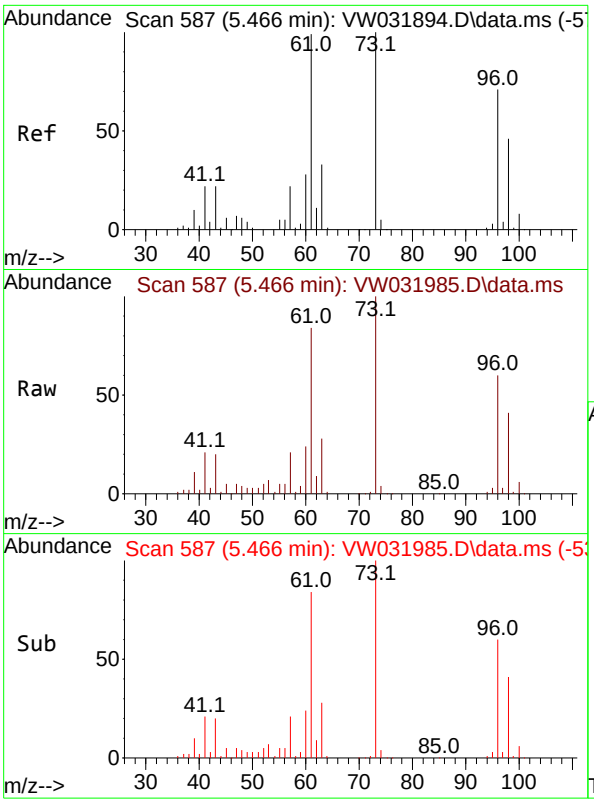


#18
Methyl Acetate
Concen: 59.246 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 127438

Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.6	31.0

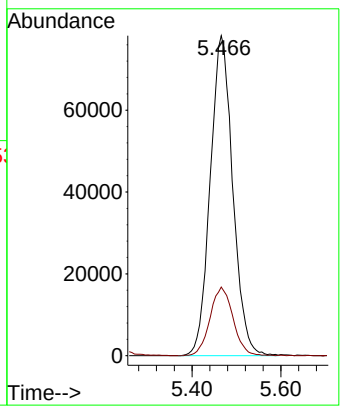




#19
Methyl tert-butyl Ether
Concen: 54.928 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 73 Resp: 27524

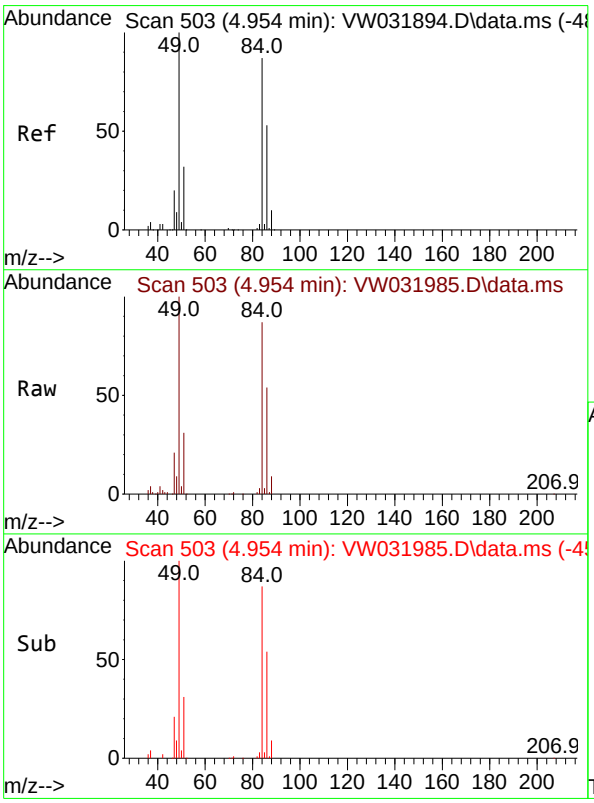
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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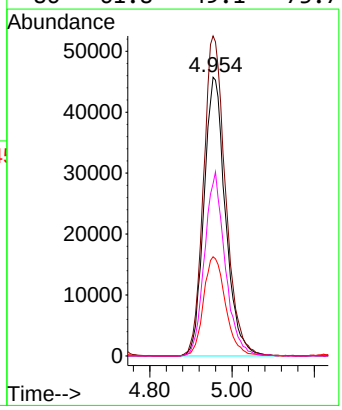
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

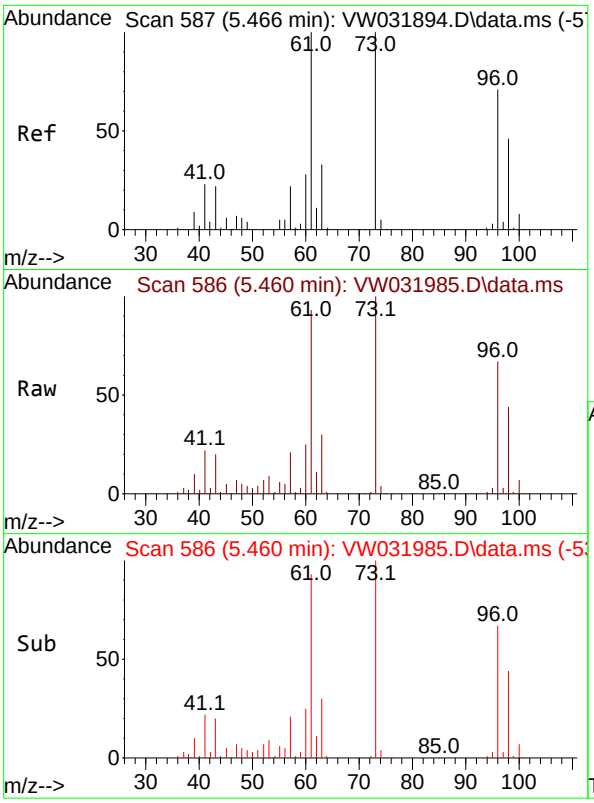


#20
Methylene Chloride
Concen: 49.650 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 84 Resp: 165899

Ion	Ratio	Lower	Upper
84	100		
49	114.8	91.9	137.9
51	35.6	29.0	43.6
86	61.8	49.1	73.7

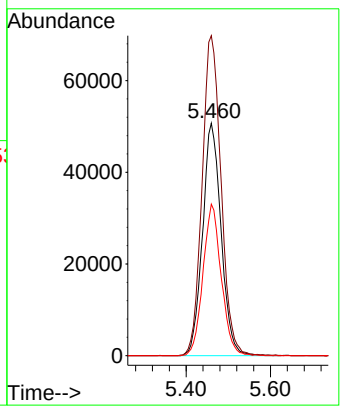




#21
trans-1,2-Dichloroethene
Concen: 50.489 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 96 Resp: 15535

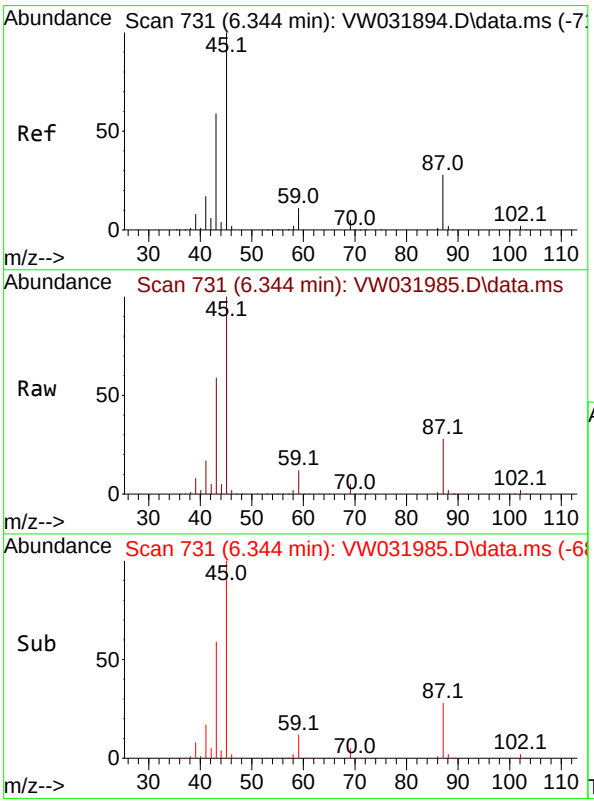
Ion	Ratio	Lower	Upper
96	100		
61	137.6	112.8	169.2
98	65.1	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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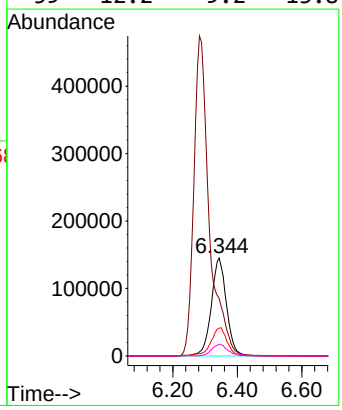
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

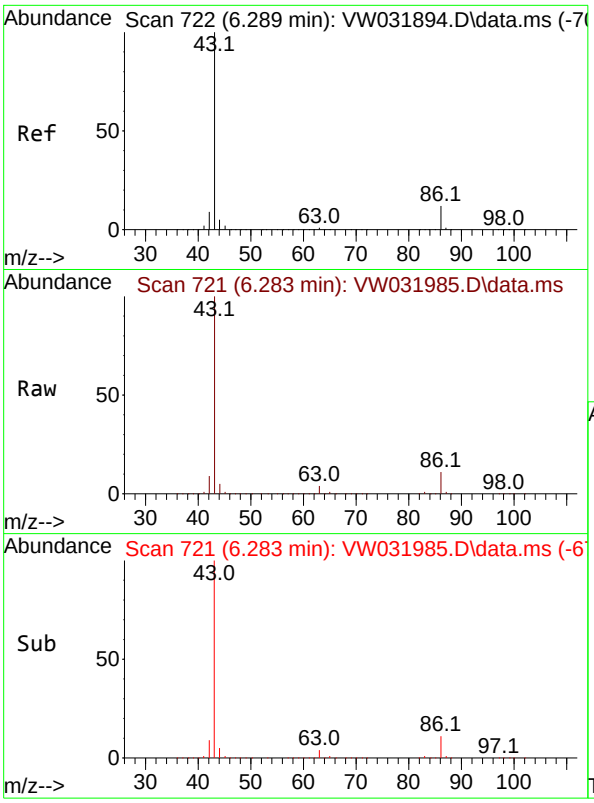


#22
Diisopropyl ether
Concen: 52.366 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 45 Resp: 473070

Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.0	70.6
87	28.5	22.8	34.2
59	12.2	9.2	13.8





#23
Vinyl Acetate
Concen: 267.245 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

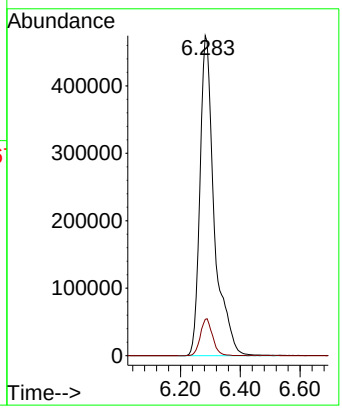
Tgt Ion: 43 Resp: 157726

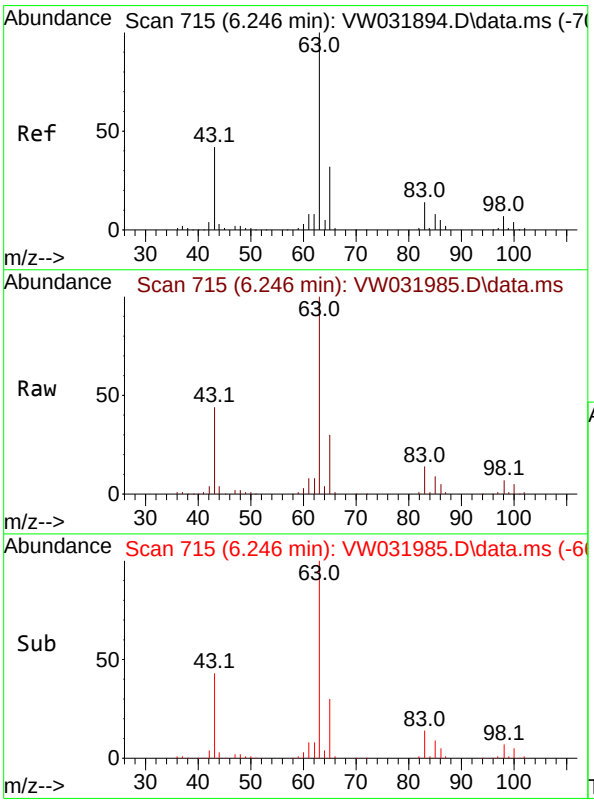
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

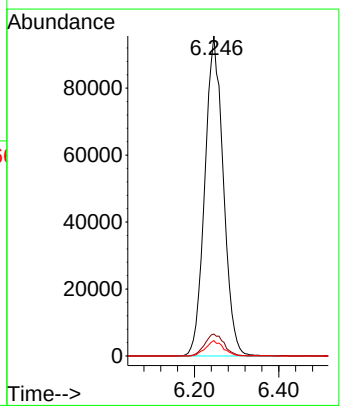


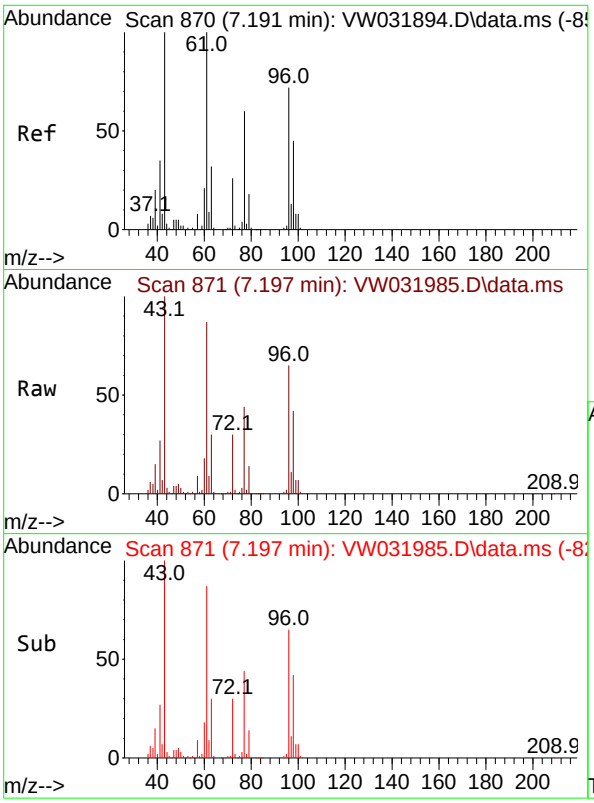


#24
1,1-Dichloroethane
Concen: 51.816 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 63 Resp: 291446

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.9
100	4.8	2.2	6.6





#25
2-Butanone
Concen: 266.658 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

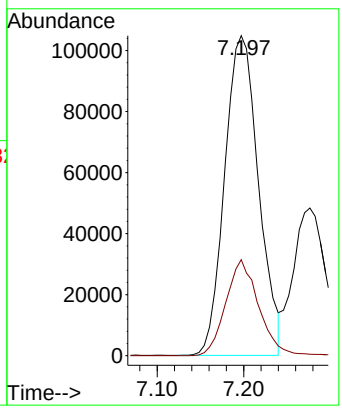
Tgt Ion: 43 Resp: 28485

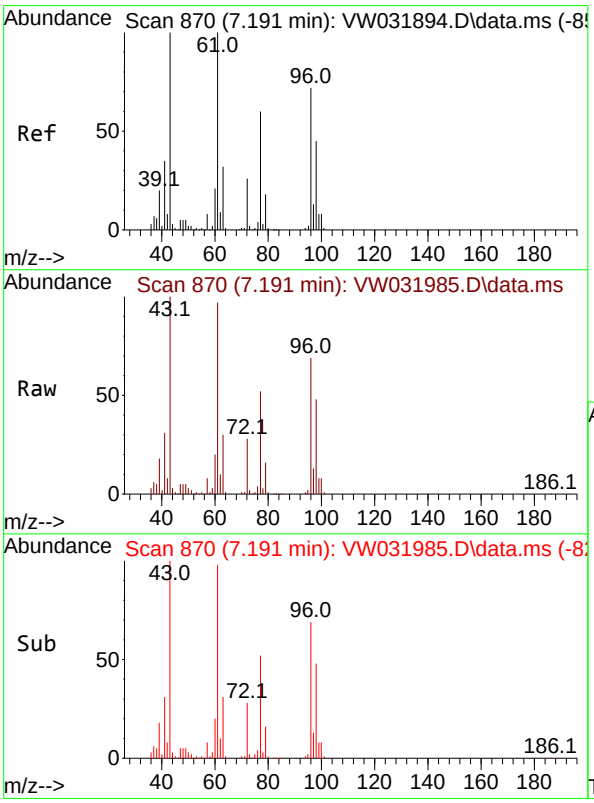
Ion	Ratio	Lower	Upper
43	100		
72	30.0	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

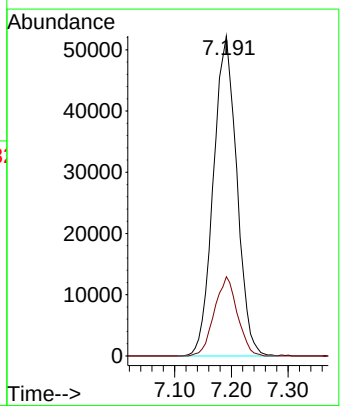


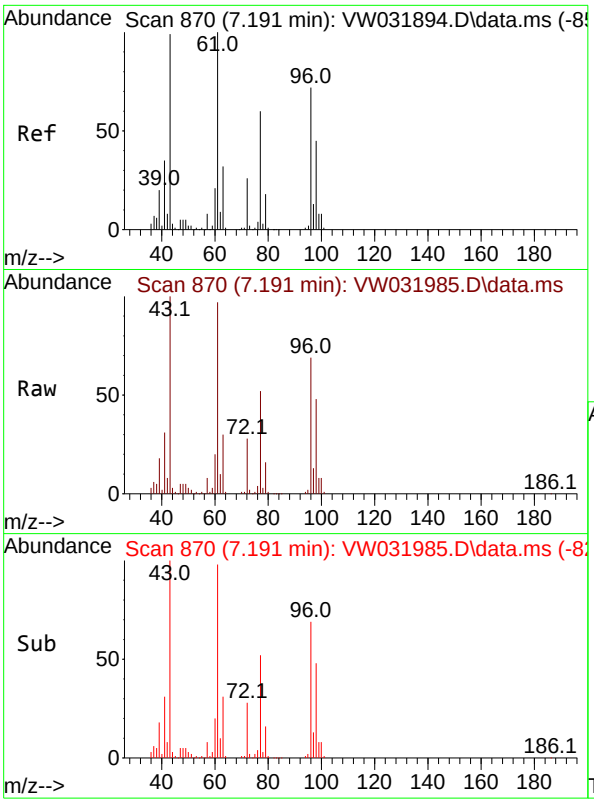


#26
2,2-Dichloropropane
Concen: 47.176 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 77 Resp: 150222

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 52.267 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

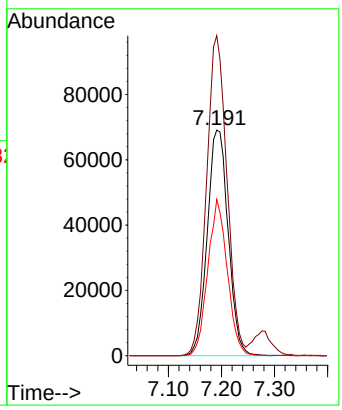
Tgt Ion: 96 Resp: 18907

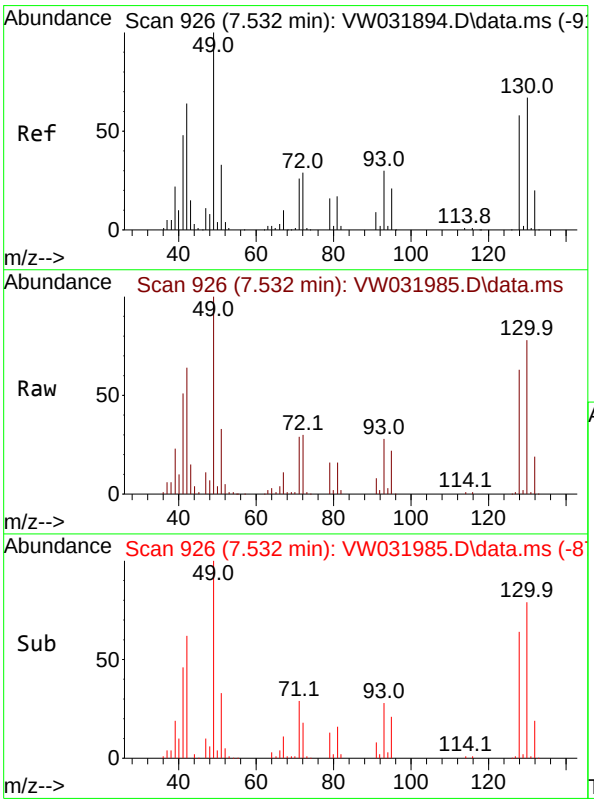
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	280.2
98	64.6	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

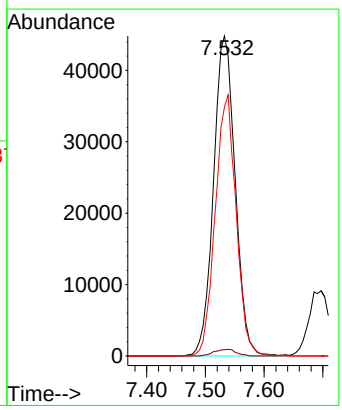


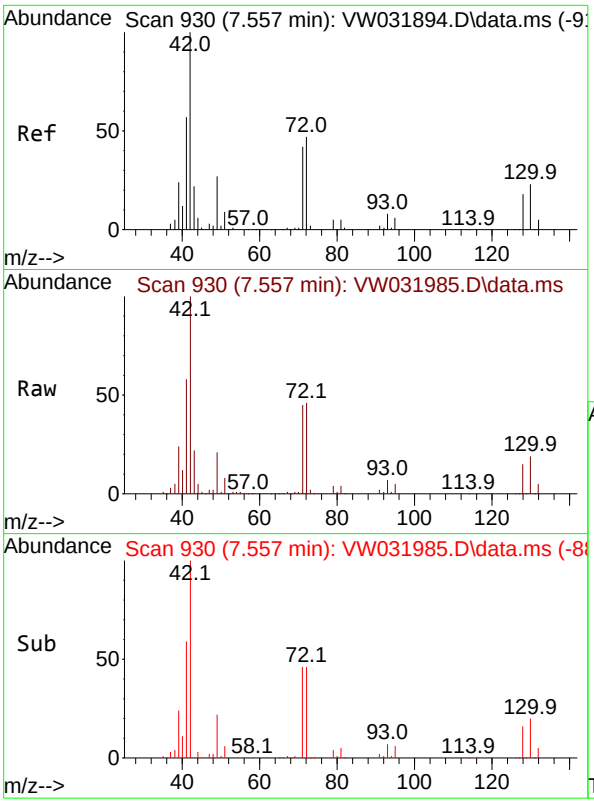


#28
Bromochloromethane
Concen: 48.733 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 49 Resp: 114765

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	78.5	59.0	88.4





#29
Tetrahydrofuran
Concen: 281.470 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

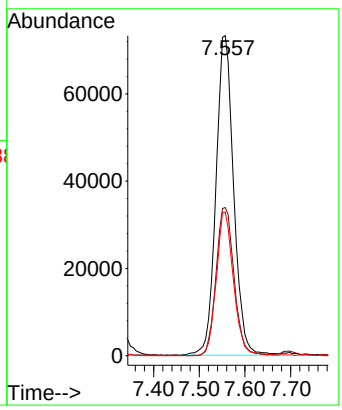
Tgt Ion: 42 Resp: 19713

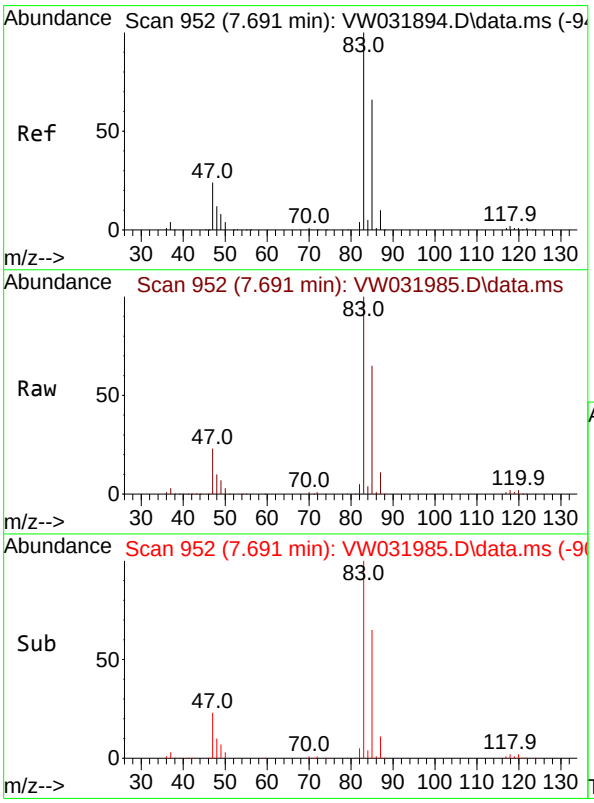
Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.0	55.6
71	43.7	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

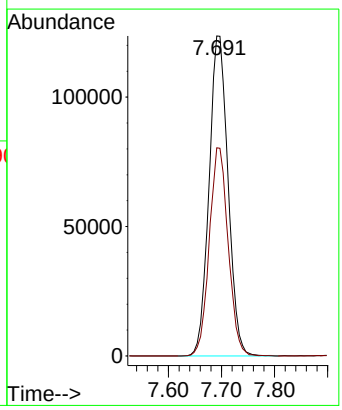


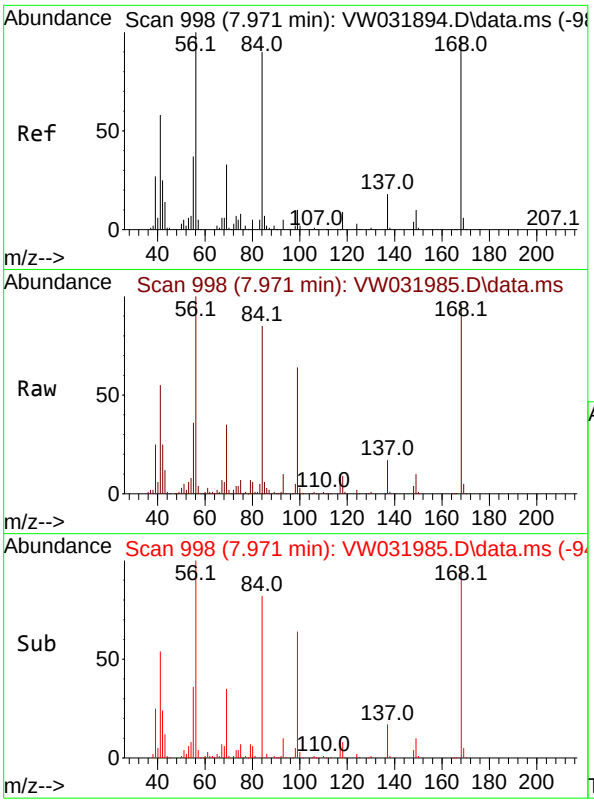


#30
Chloroform
Concen: 52.030 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 83 Resp: 306842

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8

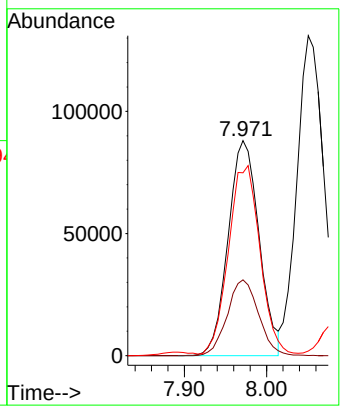




#31
Cyclohexane
Concen: 45.650 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 56 Resp: 23035

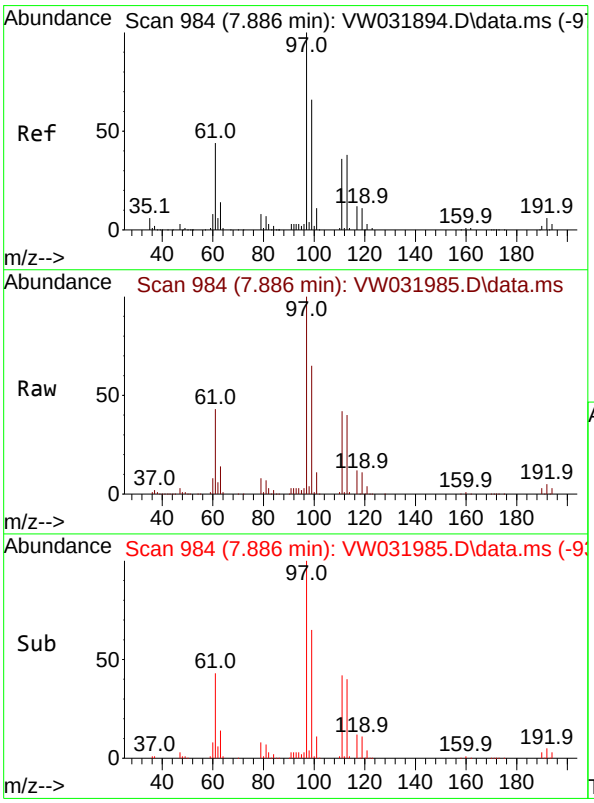
Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.7	40.1
84	83.4	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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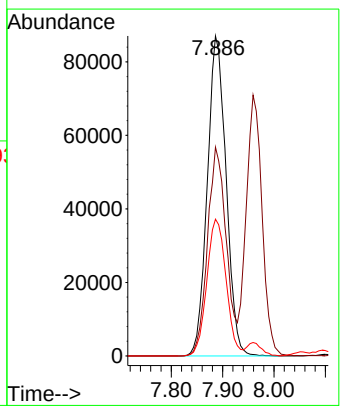
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

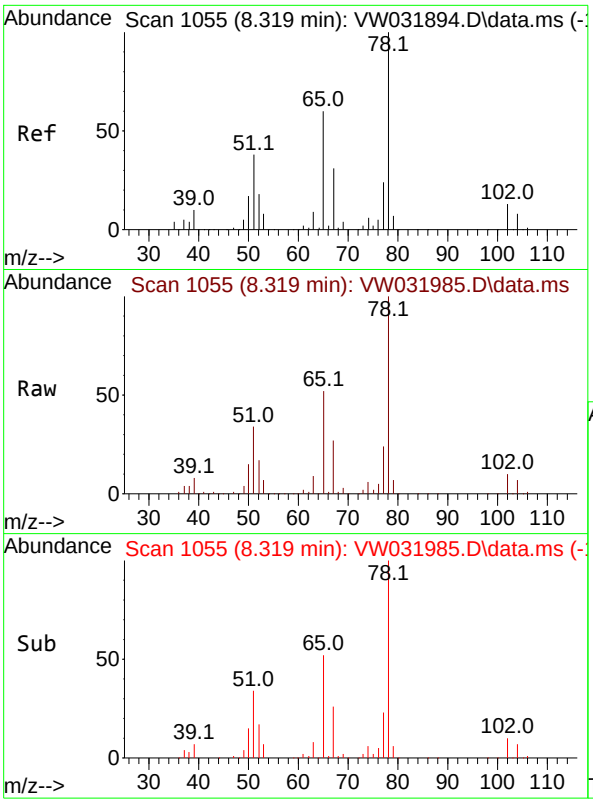


#32
1,1,1-Trichloroethane
Concen: 49.245 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 97 Resp: 220991

Ion	Ratio	Lower	Upper
97	100		
99	65.4	53.0	79.4
61	44.0	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 47.980 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

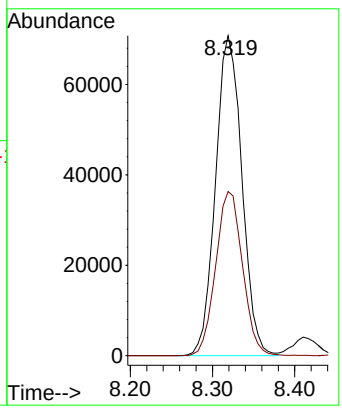
Tgt Ion: 65 Resp: 15786

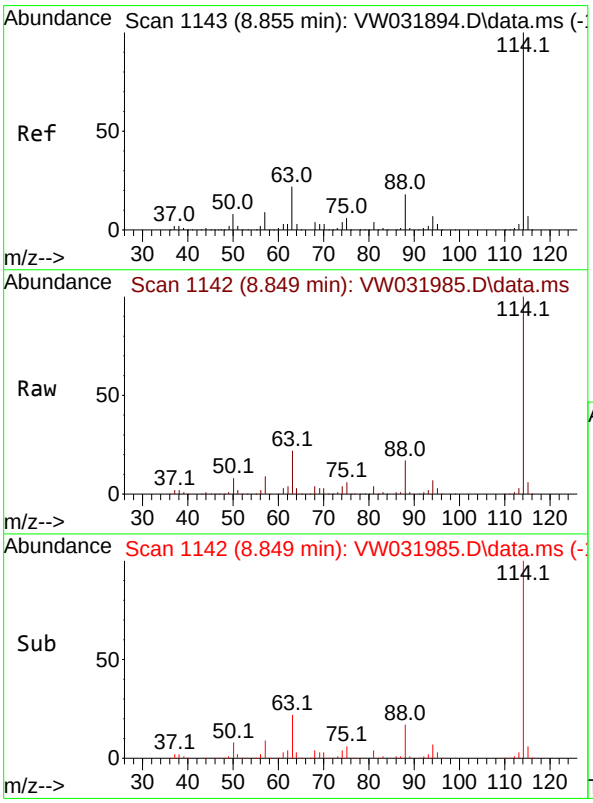
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

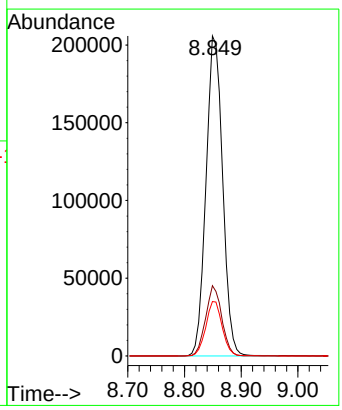


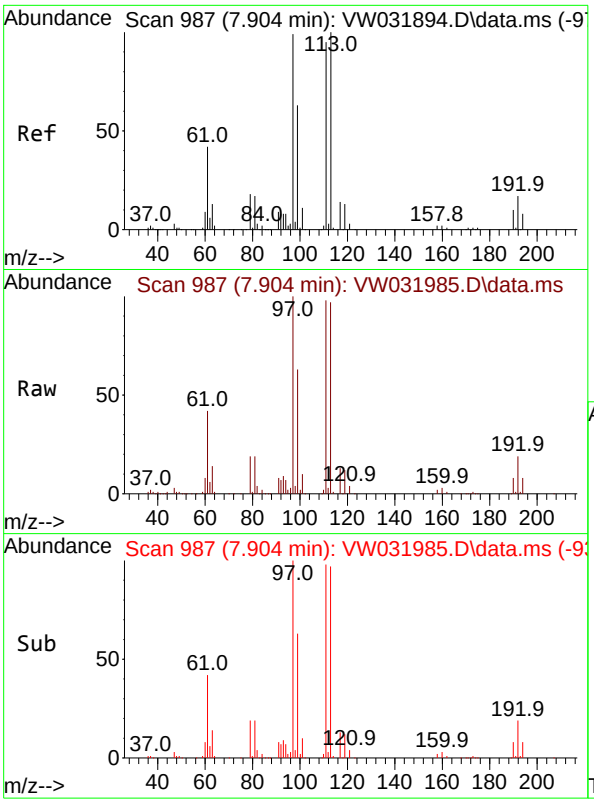


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:114 Resp: 419257

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.2
88	17.0	0.0	35.6

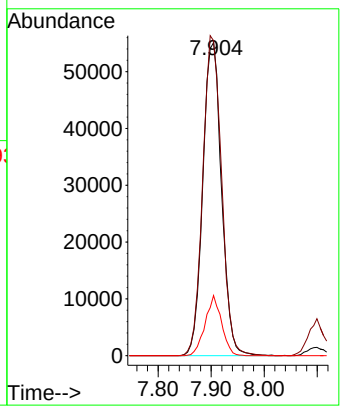




#35
Dibromofluoromethane
Concen: 47.397 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:113 Resp: 13503

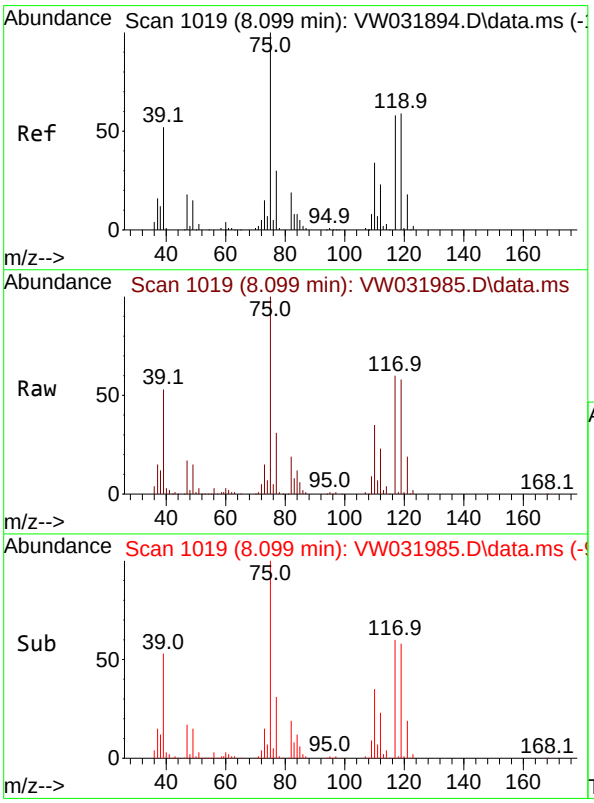
Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.9	119.9
192	16.9	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

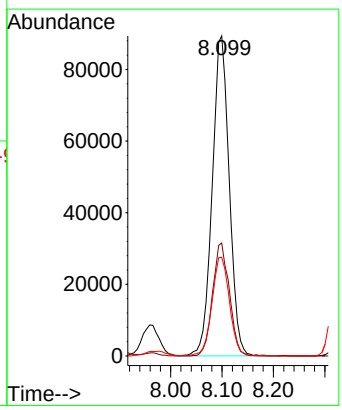
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

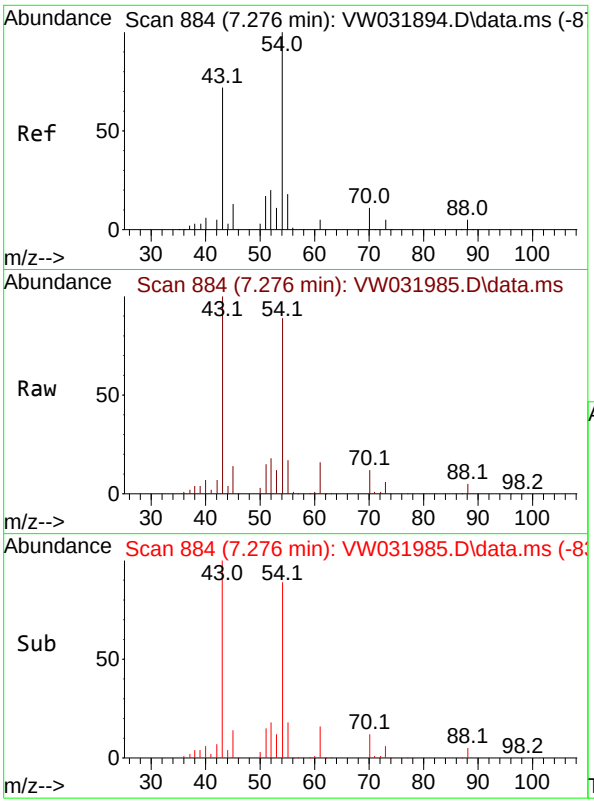


#36
1,1-Dichloropropene
Concen: 46.862 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 205027

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.0	50.9
77	31.8	25.1	37.7





#37
Ethyl Acetate
Concen: 53.262 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

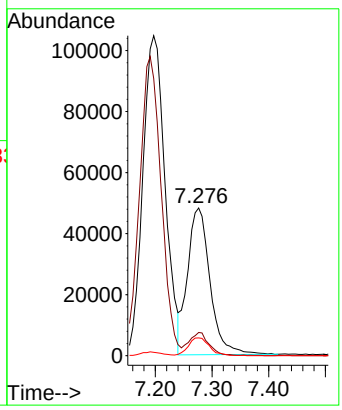
Tgt Ion: 43 Resp: 13293

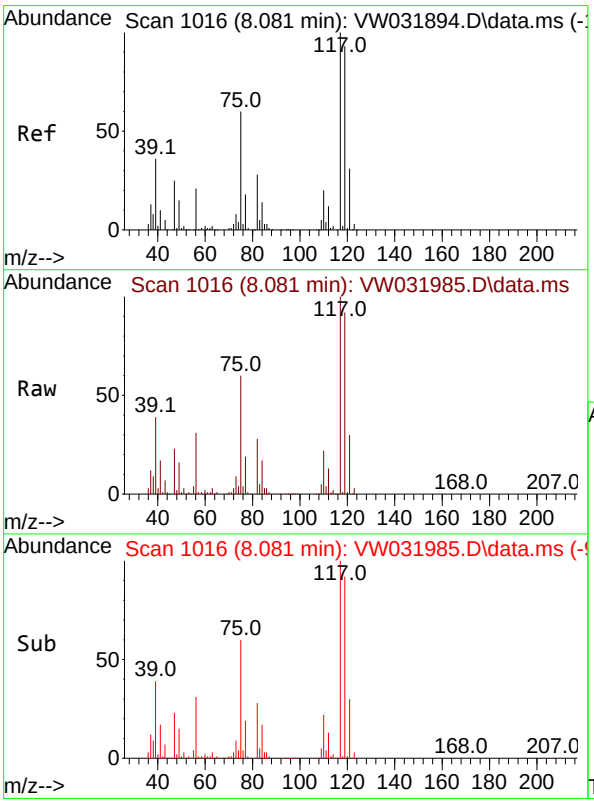
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	11.4	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

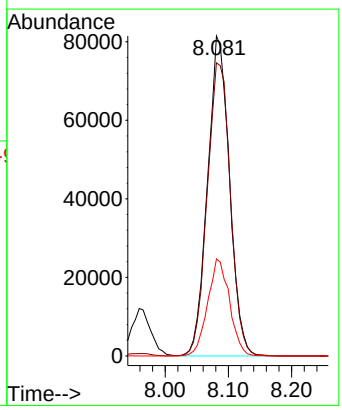


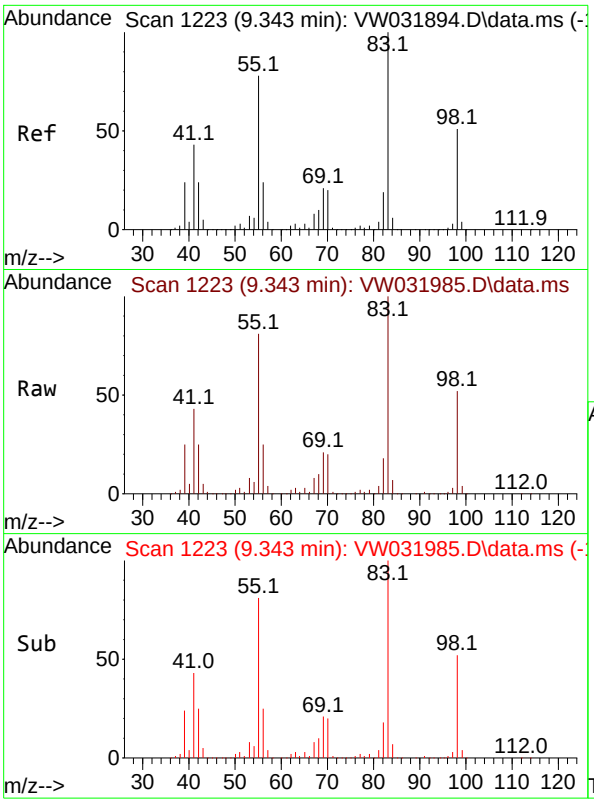


#38
Carbon Tetrachloride
Concen: 46.827 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:117 Resp: 196620

Ion	Ratio	Lower	Upper
117	100		
119	91.6	74.3	111.5
121	30.3	24.6	37.0

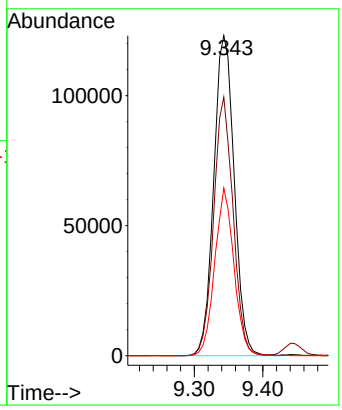




#39
Methylcyclohexane
Concen: 46.376 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 83 Resp: 25534

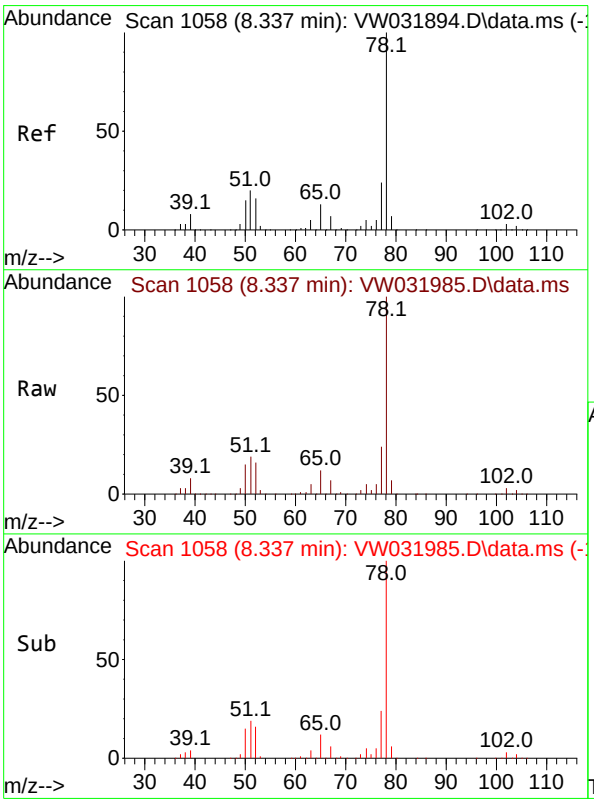
Ion	Ratio	Lower	Upper
83	100		
55	80.8	62.5	93.7
98	52.4	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

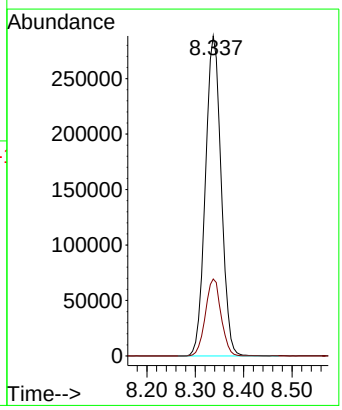
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

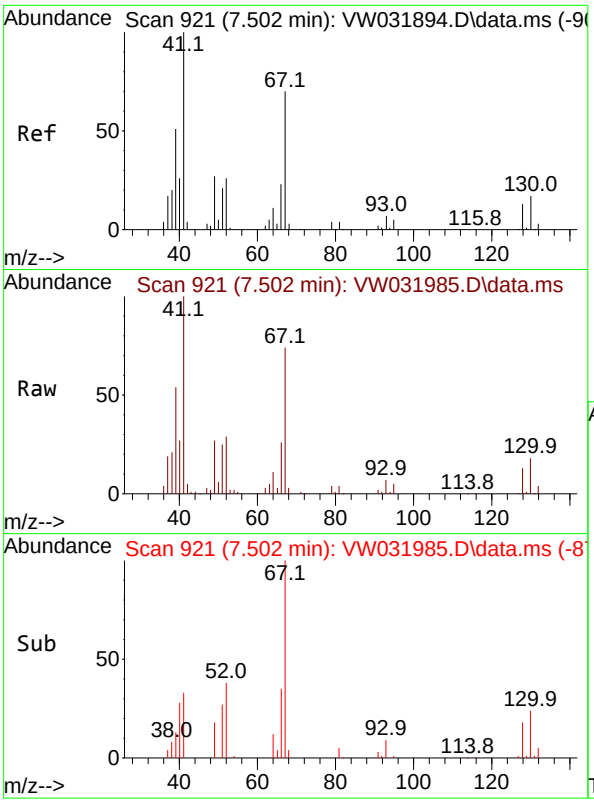


#40
Benzene
Concen: 50.349 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 78 Resp: 652081

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

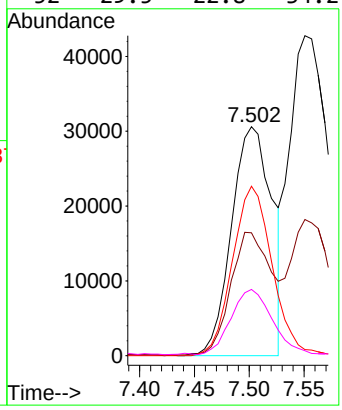




#41
Methacrylonitrile
Concen: 52.578 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 41 Resp: 7855

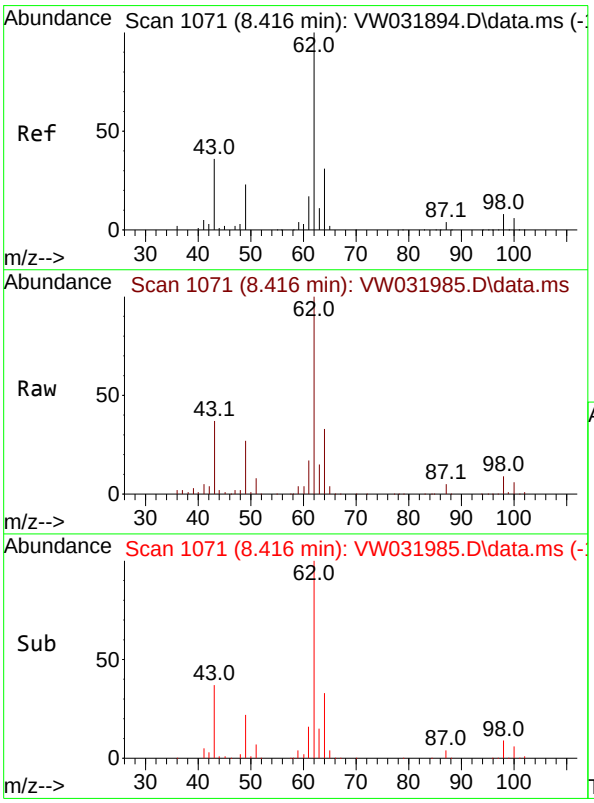
Ion	Ratio	Lower	Upper
41	100		
39	53.3	41.1	61.7
67	73.3	56.2	84.4
52	29.5	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

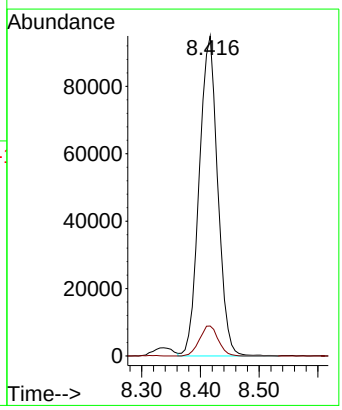
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

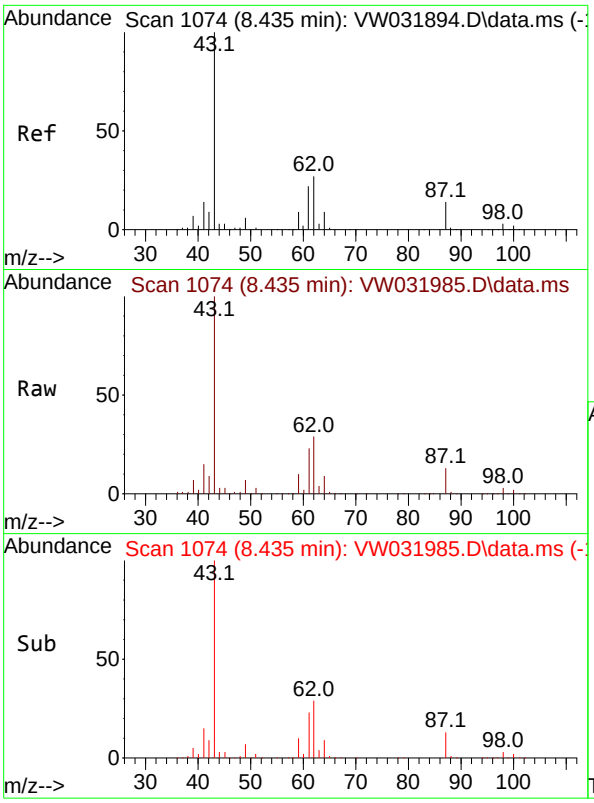


#42
1,2-Dichloroethane
Concen: 50.091 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 62 Resp: 207624

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 52.561 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

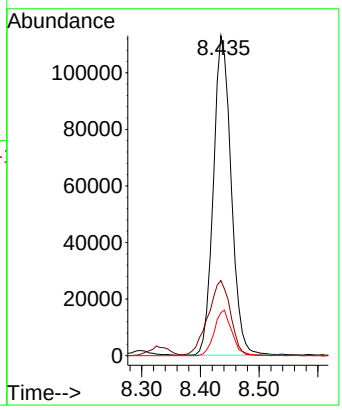
Tgt Ion: 43 Resp: 23748

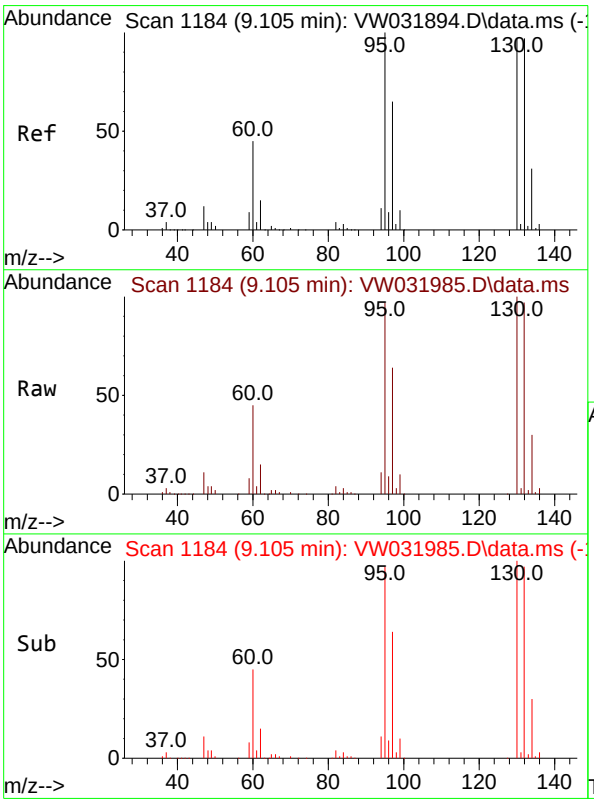
Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	14.0	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

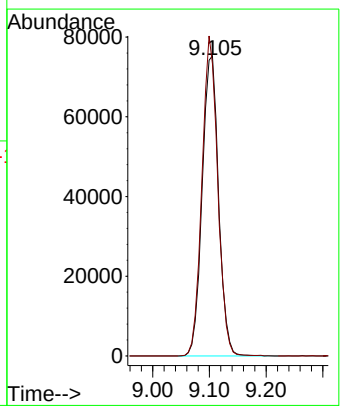


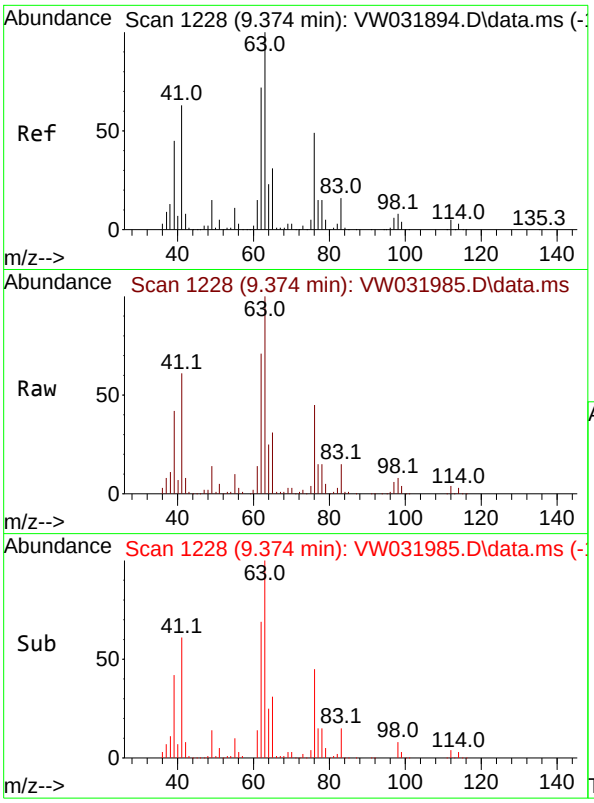


#44
Trichloroethene
Concen: 49.283 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:130 Resp: 151714

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	206.4

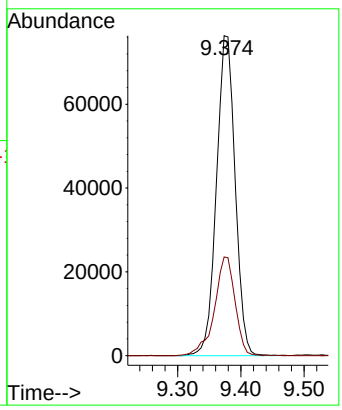




#45
1,2-Dichloropropane
Concen: 50.111 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 63 Resp: 15630

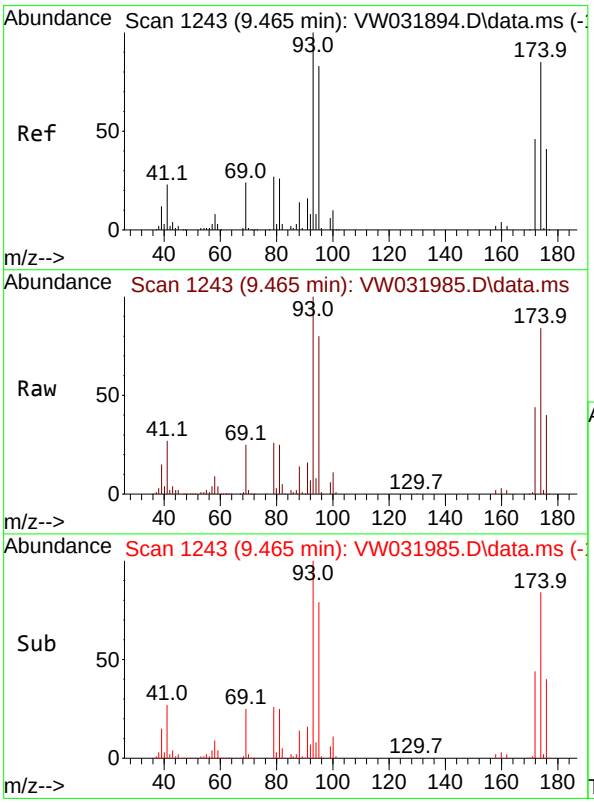
Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

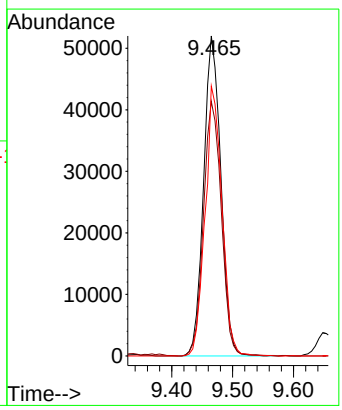
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

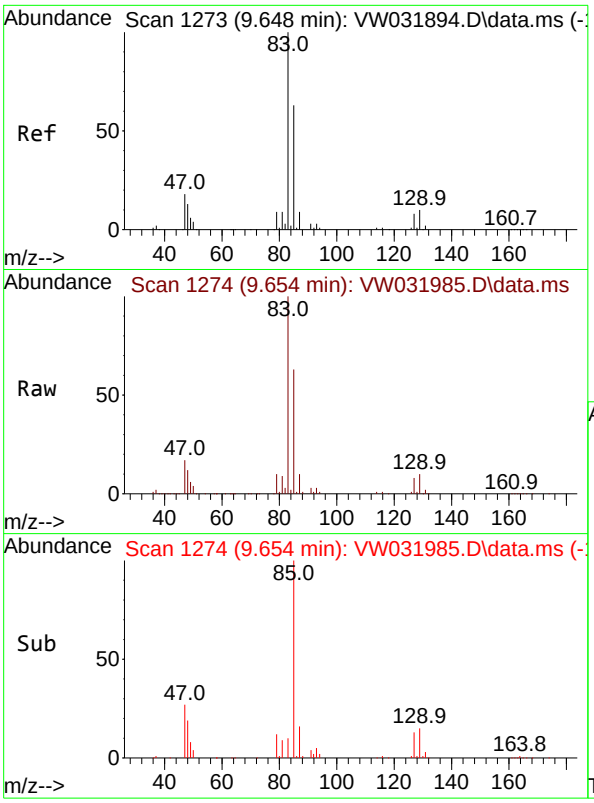


#46
Dibromomethane
Concen: 52.955 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 93 Resp: 102389

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.6
174	82.7	70.2	105.2

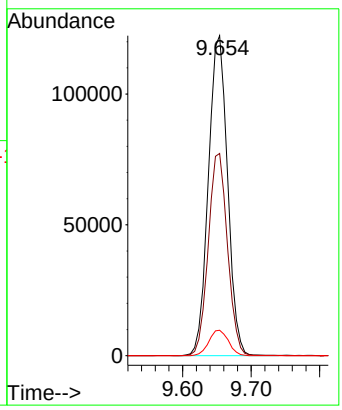




#47
Bromodichloromethane
Concen: 51.290 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 83 Resp: 23780

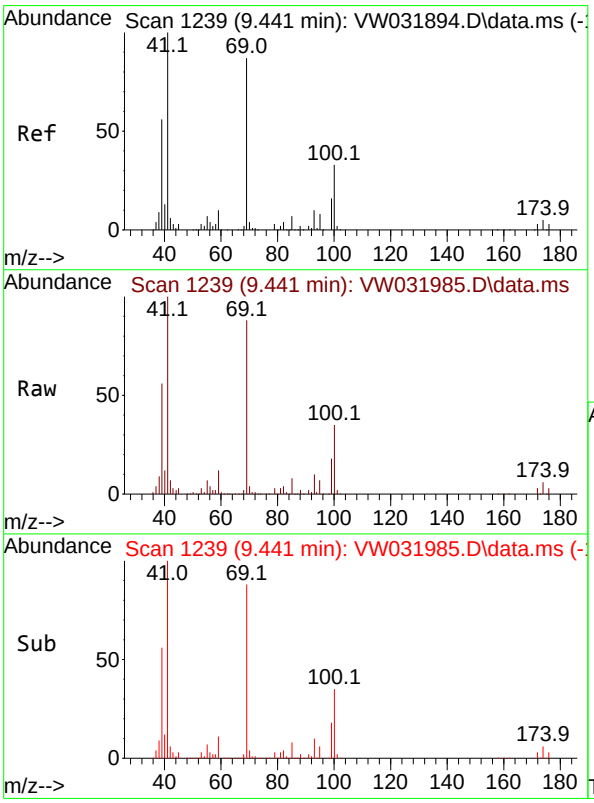
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0
127	7.9	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

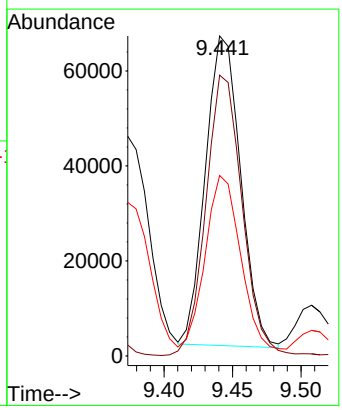
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

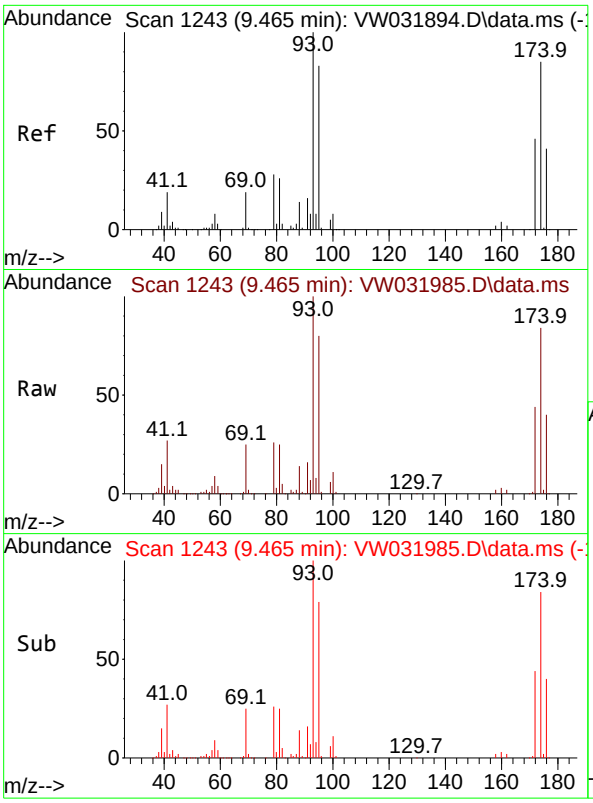


#48
Methyl methacrylate
Concen: 54.104 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 41 Resp: 116300

Ion	Ratio	Lower	Upper
41	100		
69	94.0	73.6	110.4
39	56.3	45.5	68.3

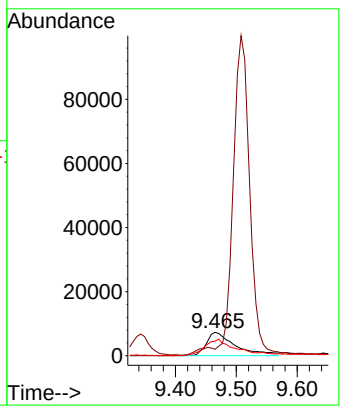




#49
1,4-Dioxane
Concen: 1248.792 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 88 Resp: 2409

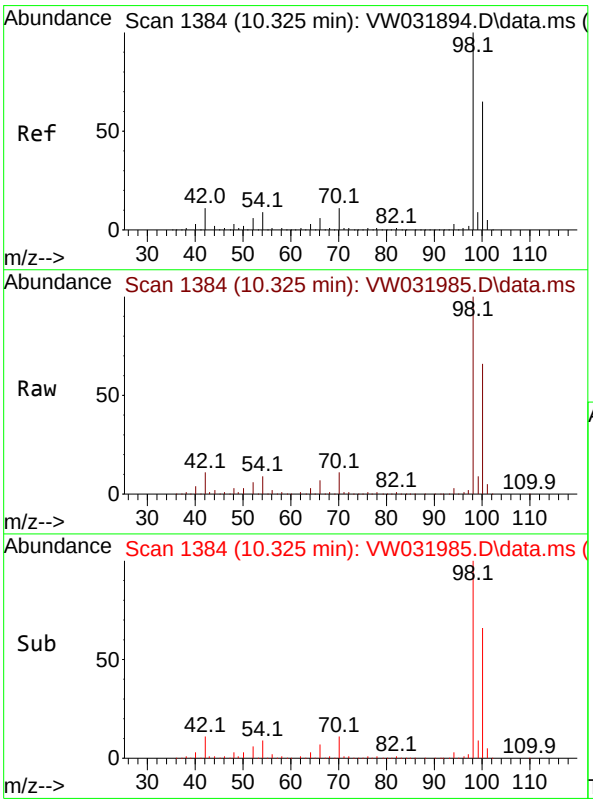
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	75.2	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

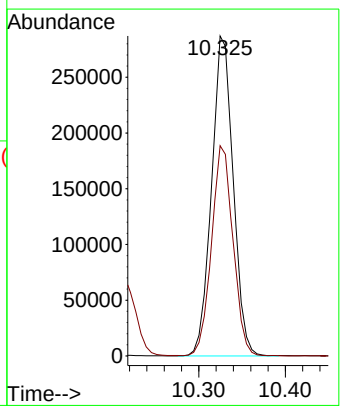
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

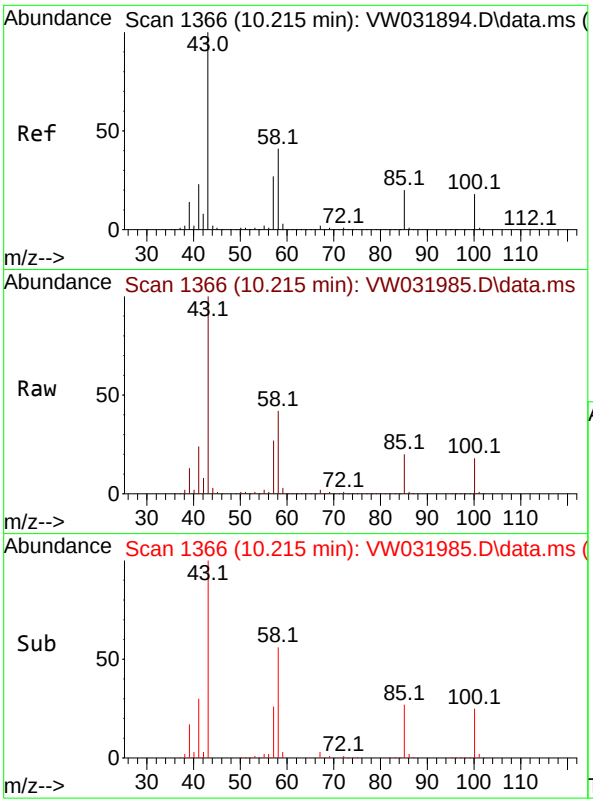


#50
Toluene-d8
Concen: 46.115 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 98 Resp: 497217

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 276.474 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

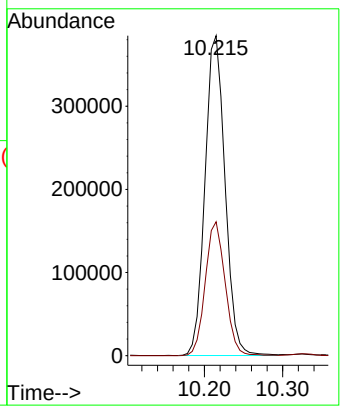
Tgt Ion: 43 Resp: 68364

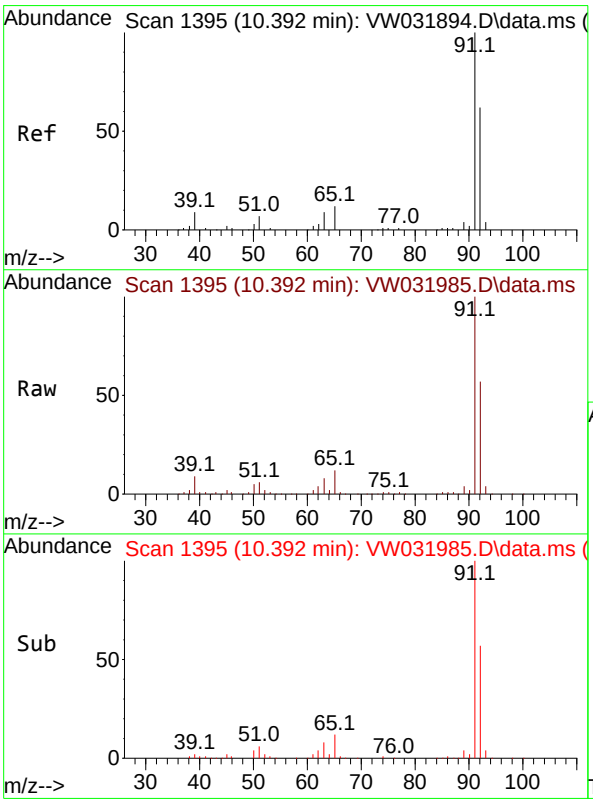
Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

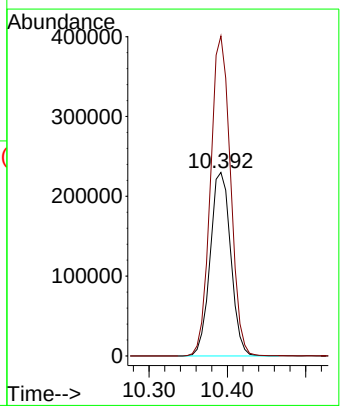


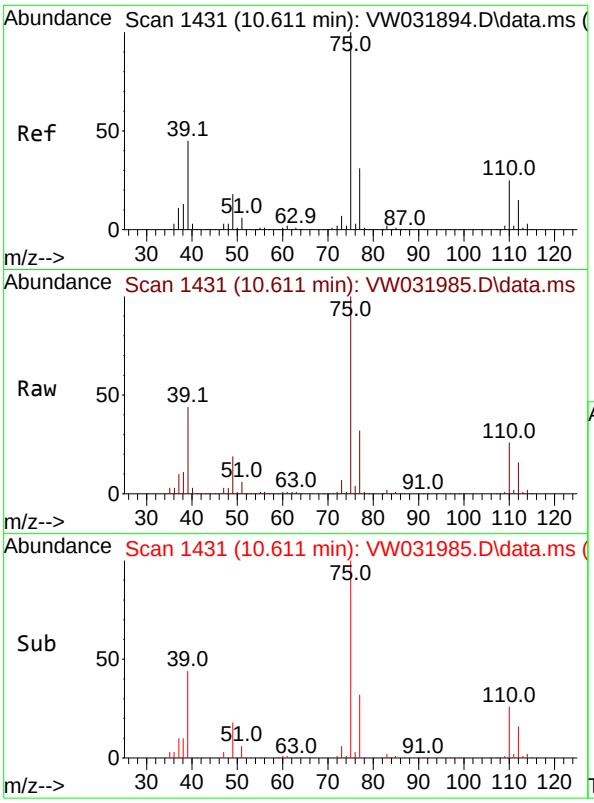


#52
Toluene
Concen: 50.282 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 92 Resp: 418627

Ion	Ratio	Lower	Upper
92	100		
91	170.2	133.7	200.5





#53
t-1,3-Dichloropropene
Concen: 51.126 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

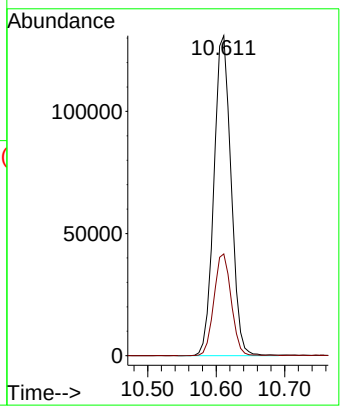
Tgt Ion: 75 Resp: 22737

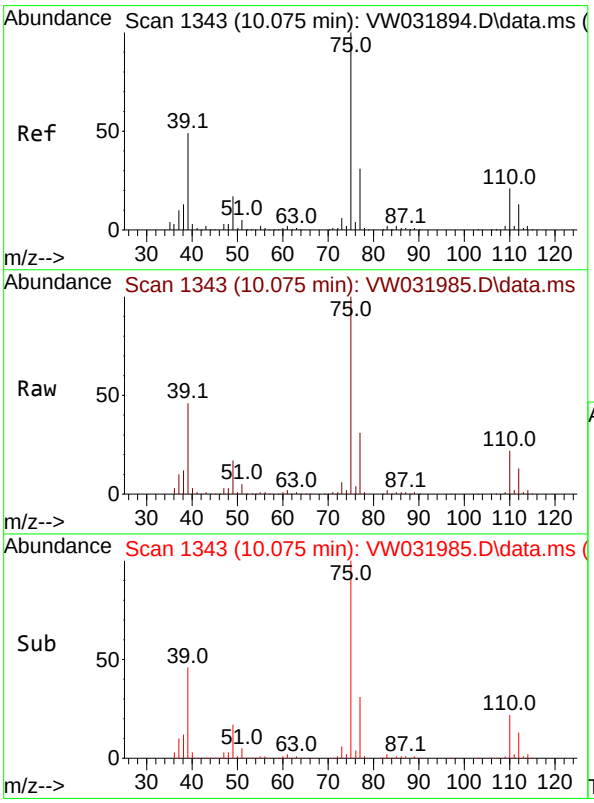
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

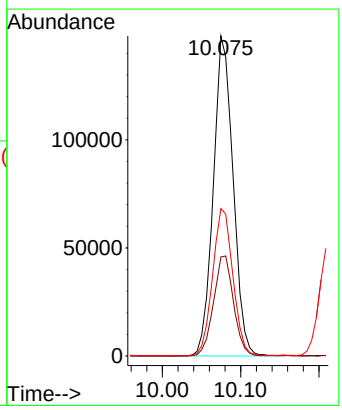


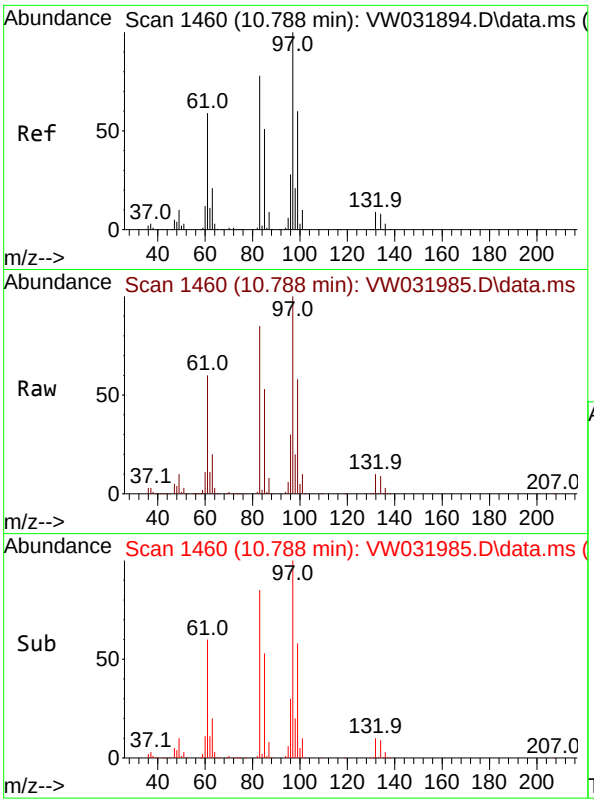


#54
cis-1,3-Dichloropropene
Concen: 51.145 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 259764

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.5	36.7
39	45.9	39.3	58.9

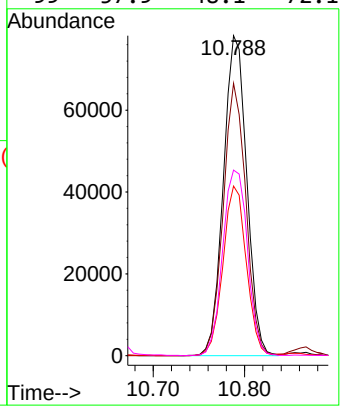




#55
1,1,2-Trichloroethane
Concen: 54.145 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 97 Resp: 13906

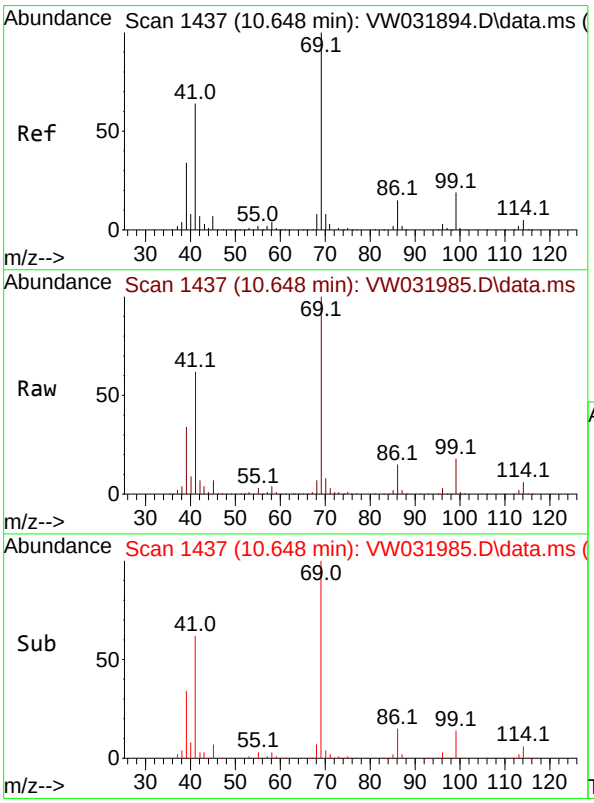
Ion	Ratio	Lower	Upper
97	100		
83	85.1	62.4	93.6
85	53.0	41.0	61.6
99	57.9	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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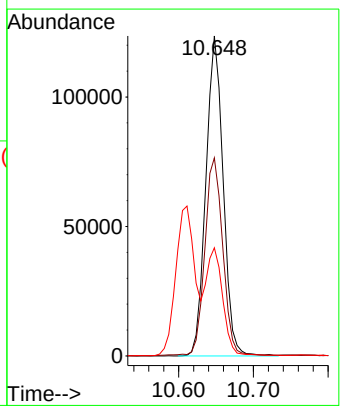
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

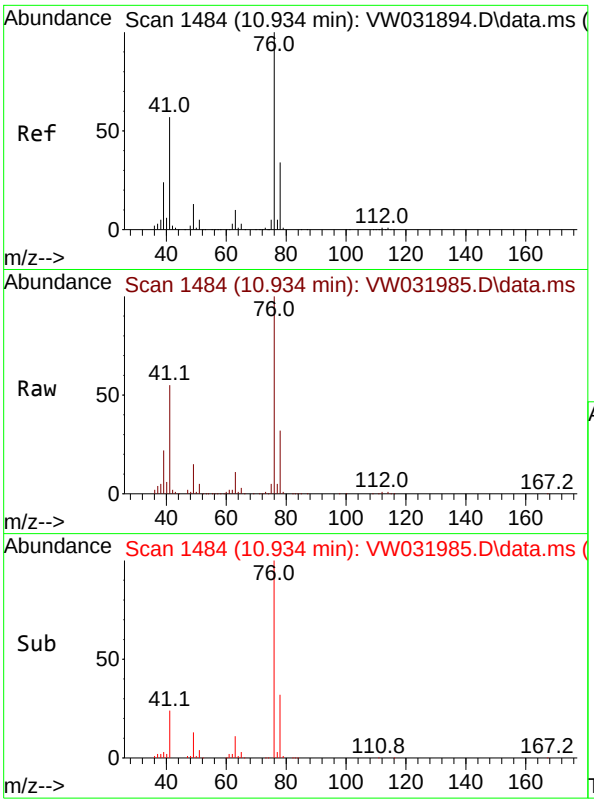


#56
Ethyl methacrylate
Concen: 54.717 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 69 Resp: 198472

Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.0	78.0
39	32.5	26.6	40.0





#57
1,3-Dichloropropane
Concen: 52.261 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

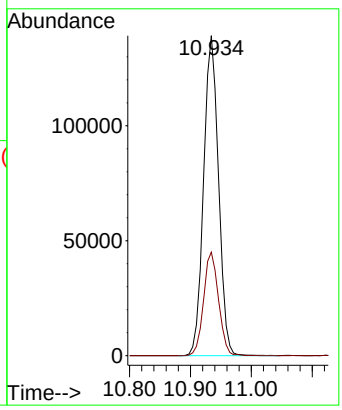
Tgt Ion: 76 Resp: 23646

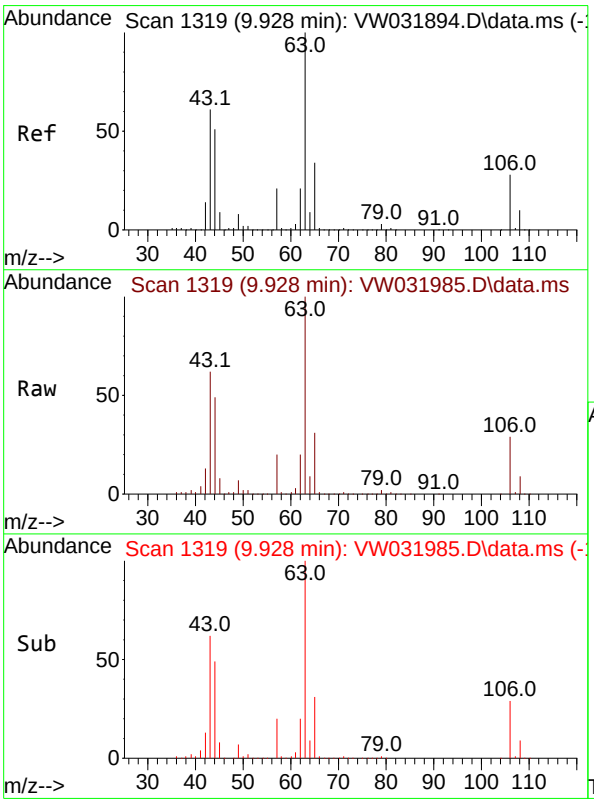
Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

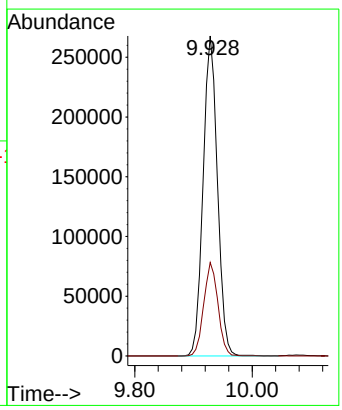


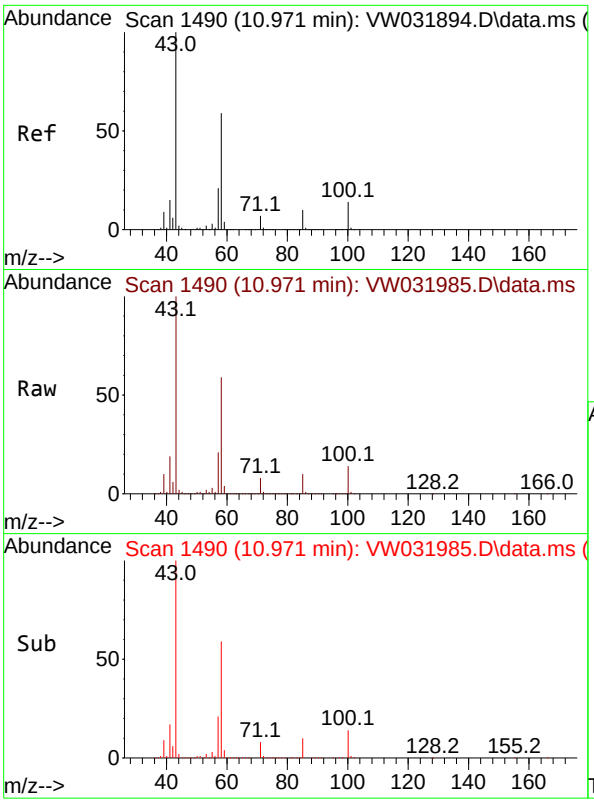


#58
2-Chloroethyl Vinyl ether
Concen: 243.681 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 63 Resp: 454012

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1





#59
2-Hexanone
Concen: 274.174 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

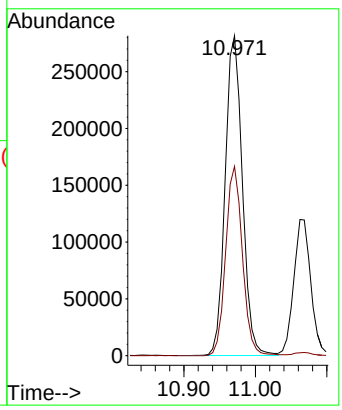
Tgt Ion: 43 Resp: 47124

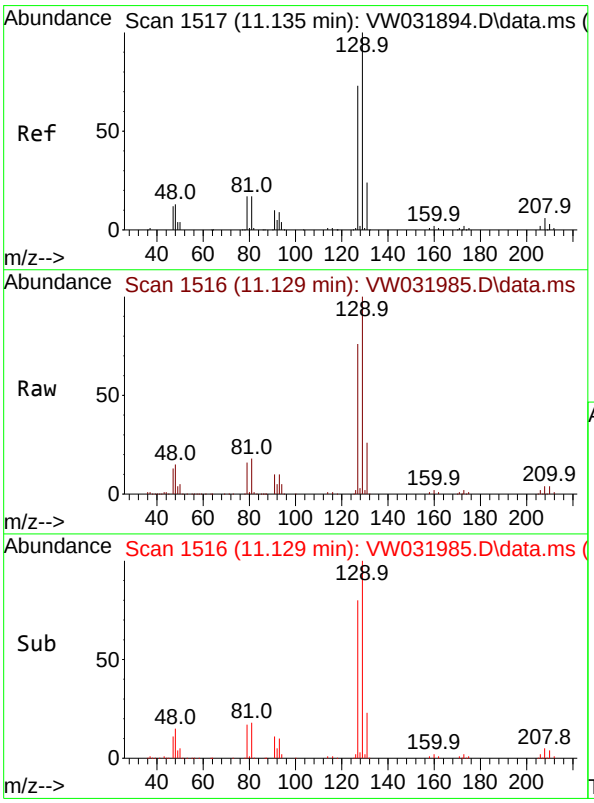
Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

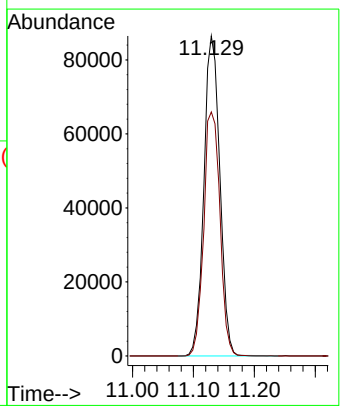


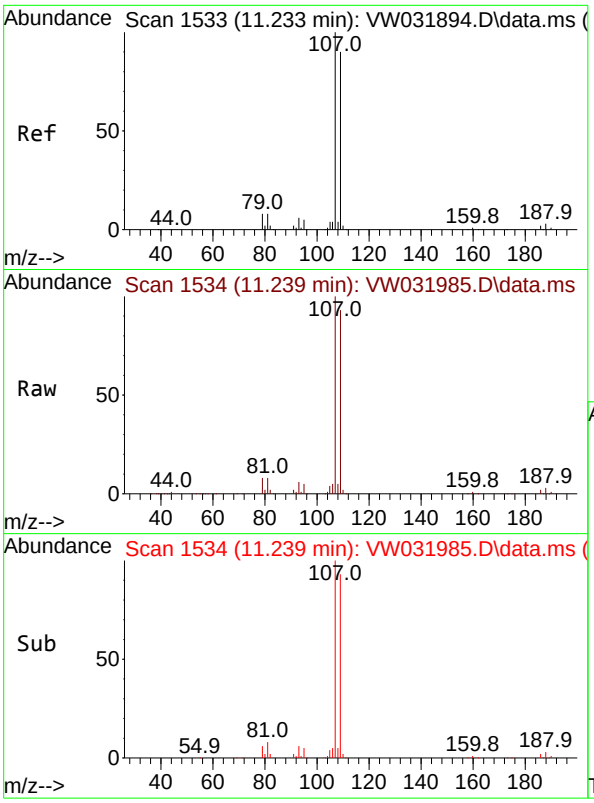


#60
Dibromochloromethane
Concen: 52.497 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:129 Resp: 157200

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.6	118.8





#61
1,2-Dibromoethane
Concen: 53.118 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

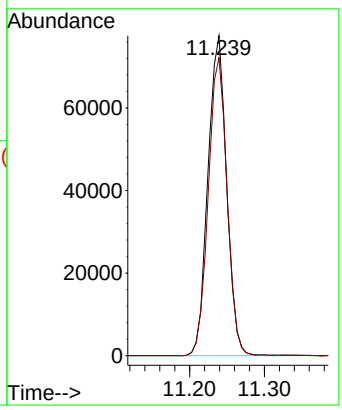
Tgt Ion:107 Resp: 13480

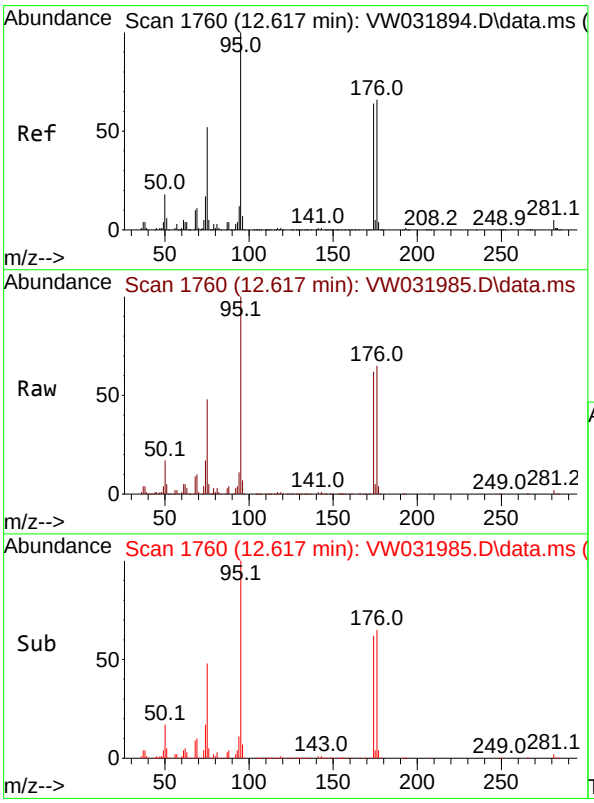
Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.2	111.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

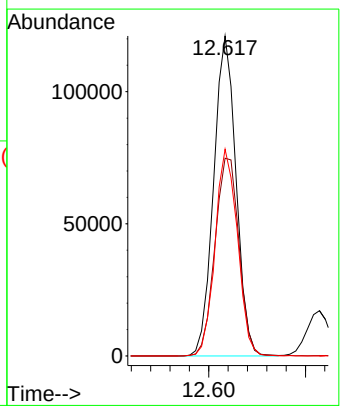


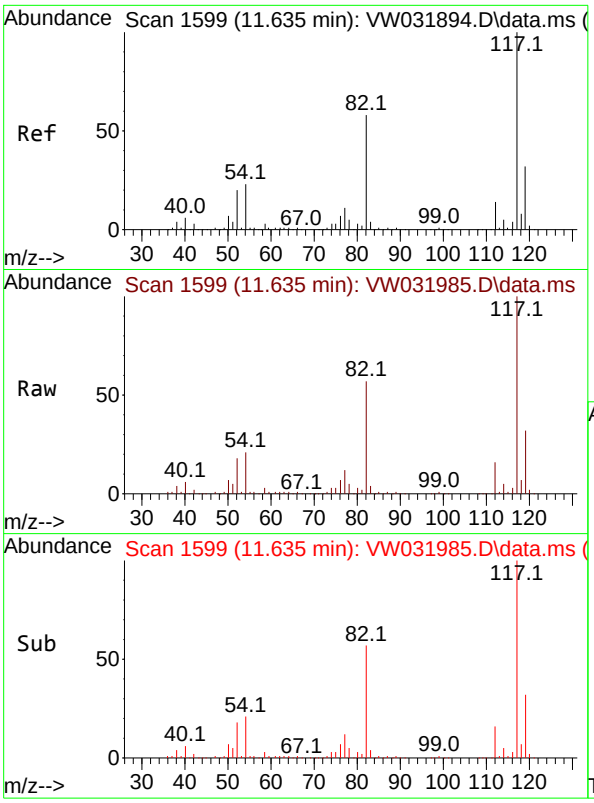


#62
4-Bromofluorobenzene
Concen: 46.896 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 95 Resp: 194159

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	129.8
176	64.6	0.0	130.4

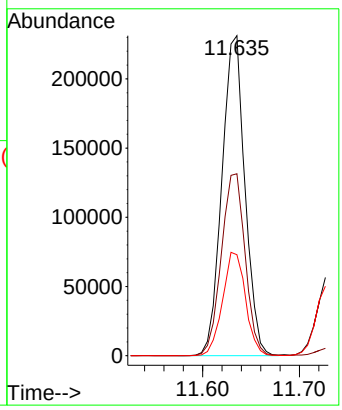




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:117 Resp: 38221

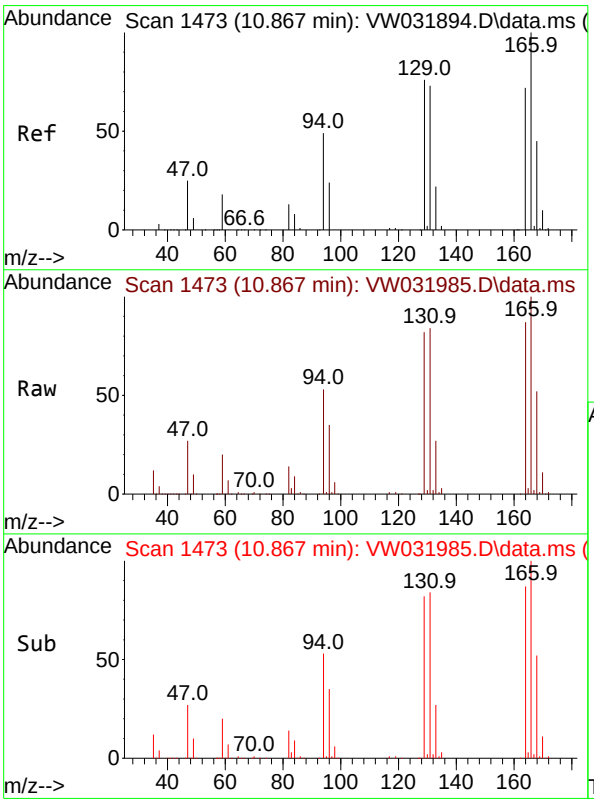
Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	31.5	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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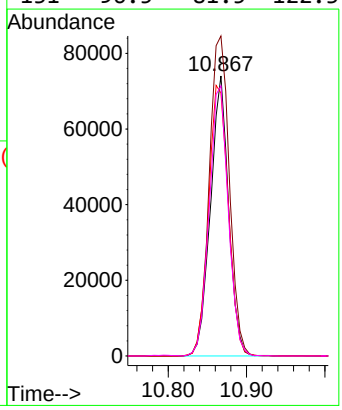
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

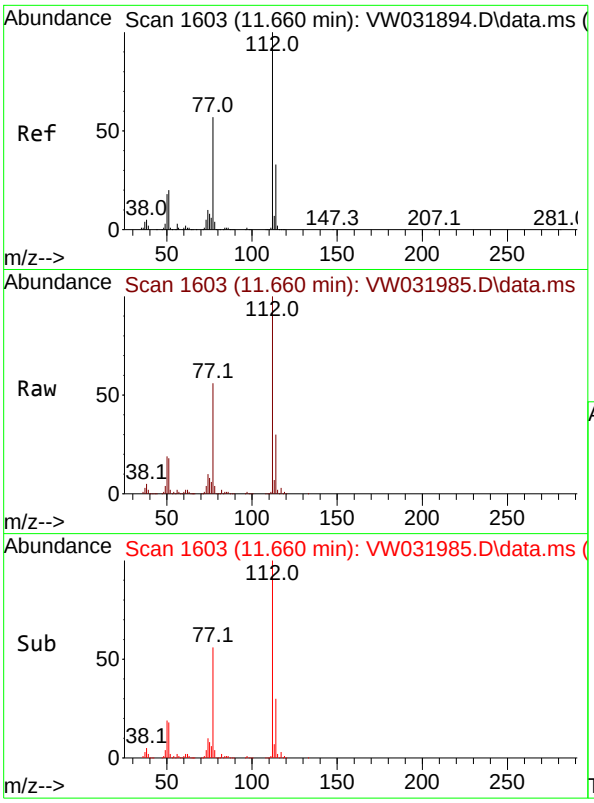


#64
Tetrachloroethene
Concen: 47.091 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:164 Resp: 118669

Ion	Ratio	Lower	Upper
164	100		
166	114.3	111.5	167.3
129	94.0	85.1	127.7
131	96.5	81.5	122.3





#65
Chlorobenzene
Concen: 48.717 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

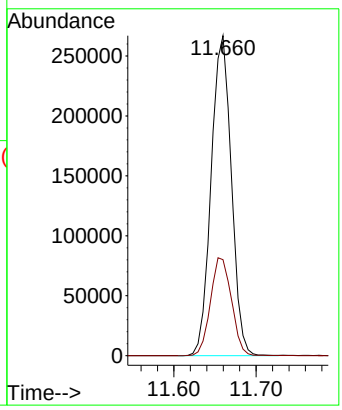
Tgt Ion:112 Resp: 45571

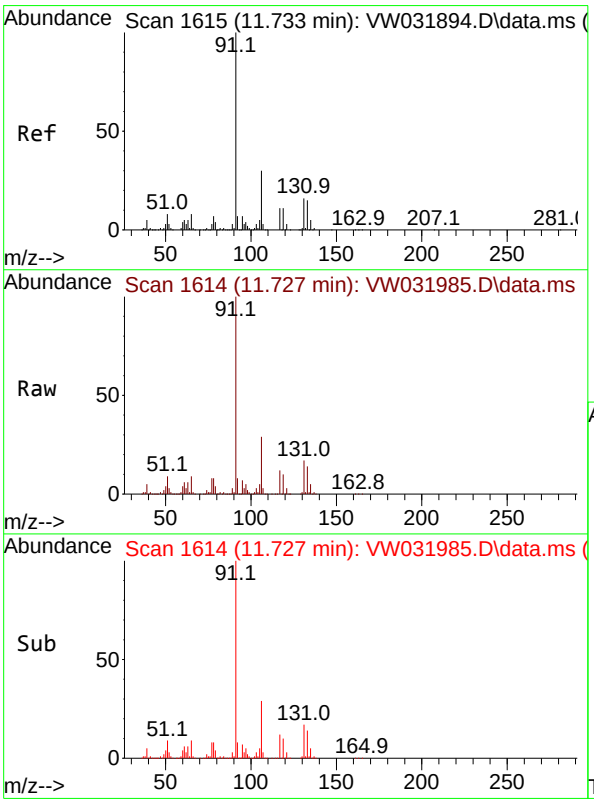
Ion	Ratio	Lower	Upper
112	100		
114	30.0	26.2	39.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

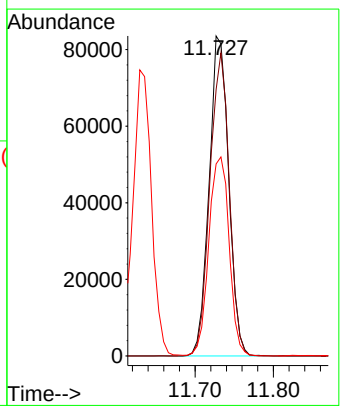


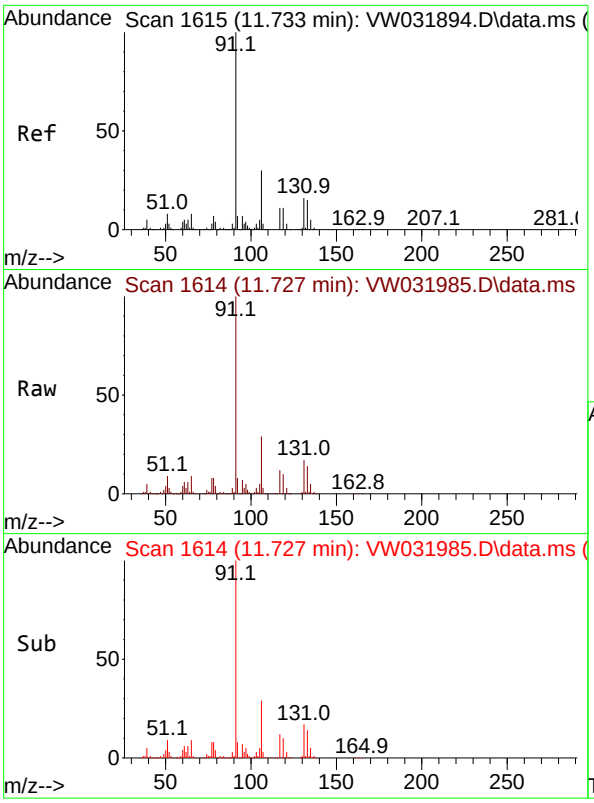


#66
1,1,1,2-Tetrachloroethane
Concen: 49.944 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:131 Resp: 144835

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.1	144.4
119	64.9	33.7	101.1





#67
Ethyl Benzene
Concen: 48.521 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

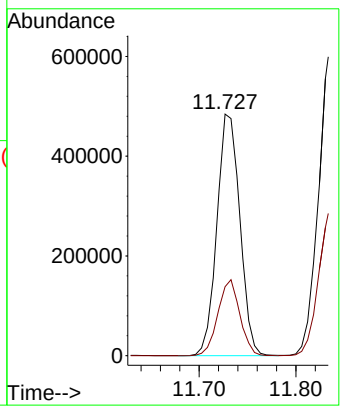
Tgt Ion: 91 Resp: 79747

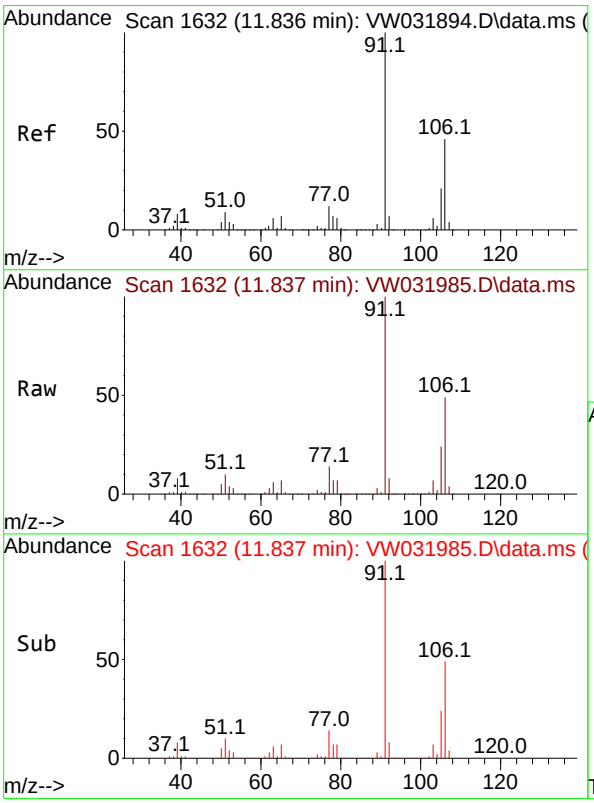
Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

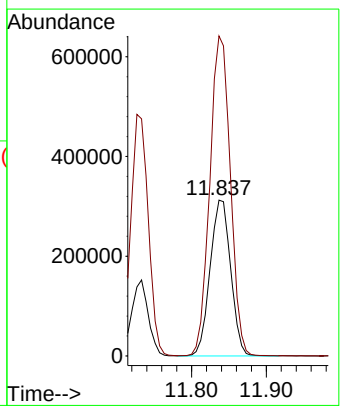


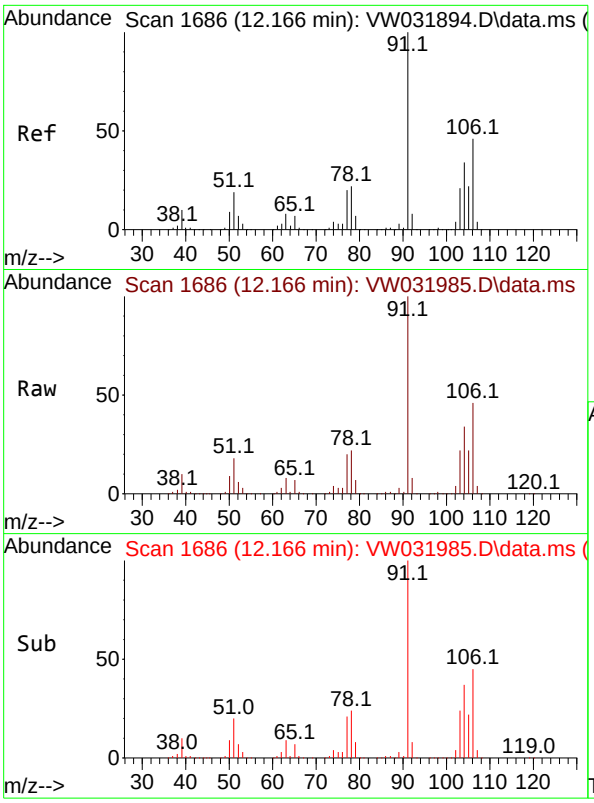


#68
m/p-Xylenes
Concen: 96.758 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:106 Resp: 598674

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.7	251.5





#69
o-Xylene
Concen: 49.214 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

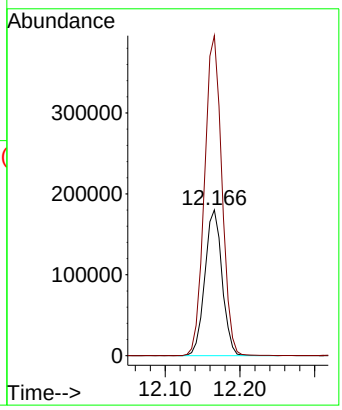
Tgt Ion:106 Resp: 28817

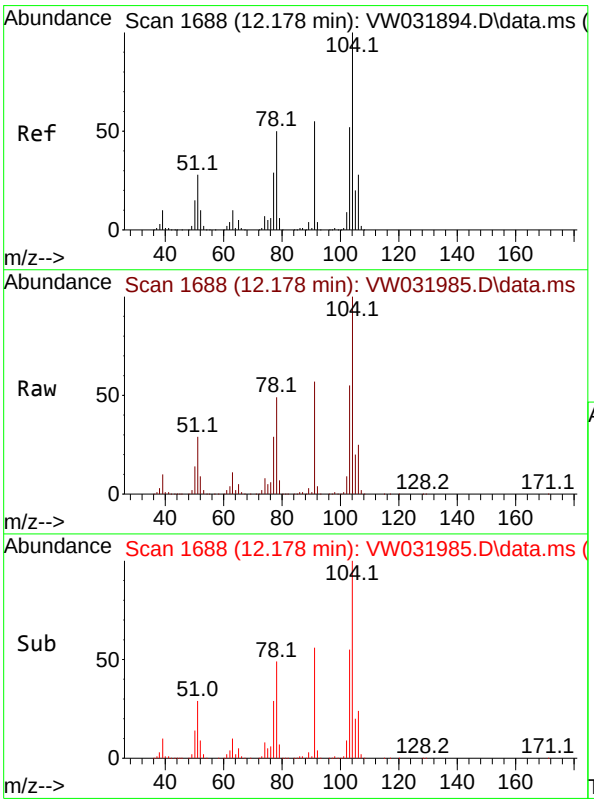
Ion	Ratio	Lower	Upper
106	100		
91	221.1	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

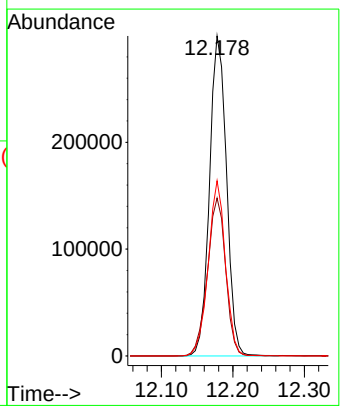


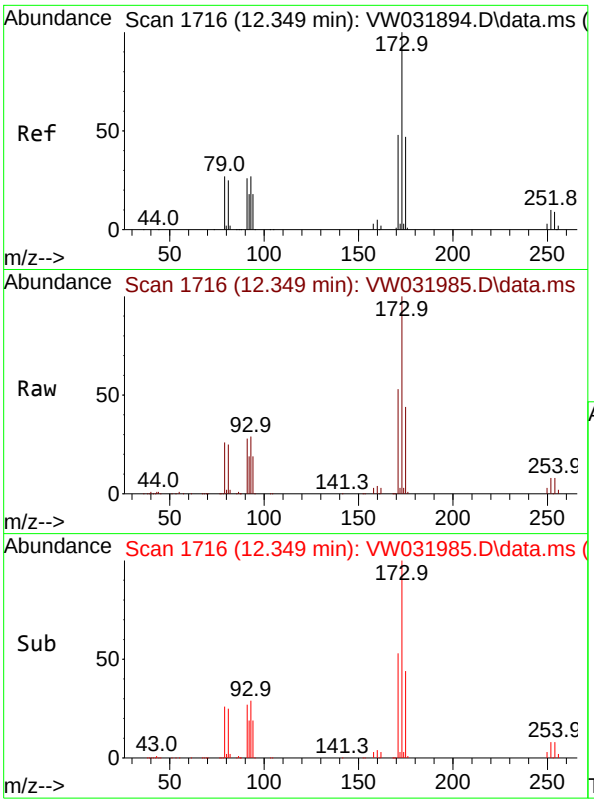


#70
Styrene
Concen: 49.707 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:104 Resp: 495553

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.3	42.8	64.2





#71
Bromoform
Concen: 51.754 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

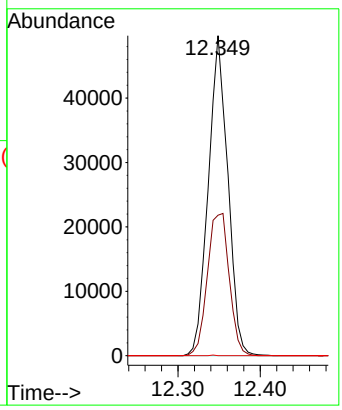
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

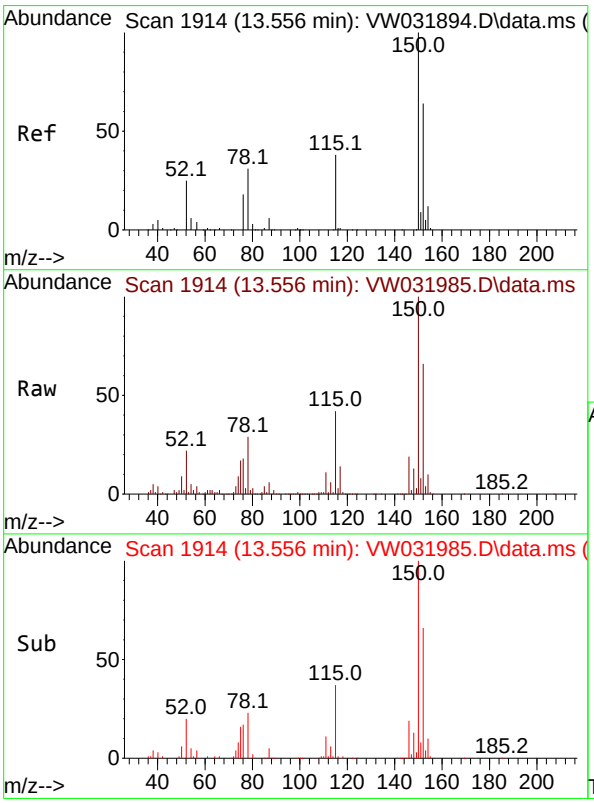
Tgt Ion:173 Resp: 8208

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.0	0.2	0.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

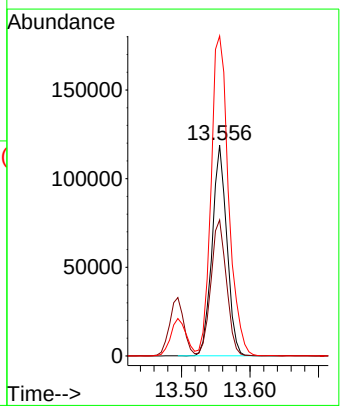


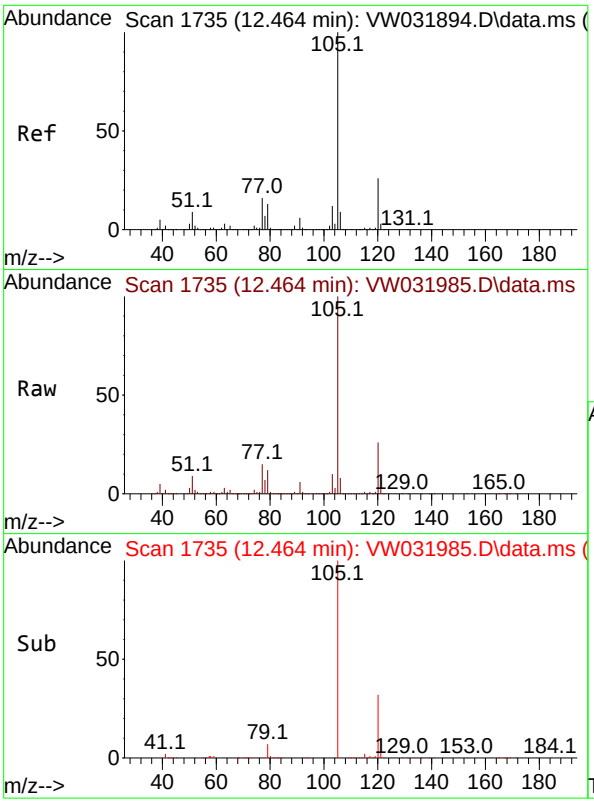


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:152 Resp: 177871

Ion	Ratio	Lower	Upper
152	100		
115	67.8	33.4	100.1
150	179.6	0.0	352.2

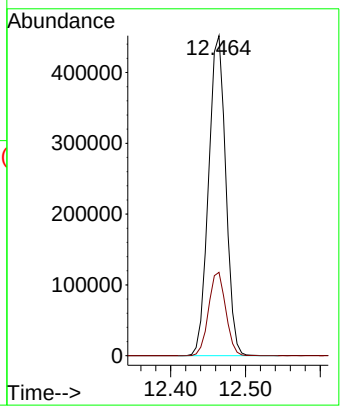




#73
Isopropylbenzene
Concen: 46.792 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:105 Resp: 72214

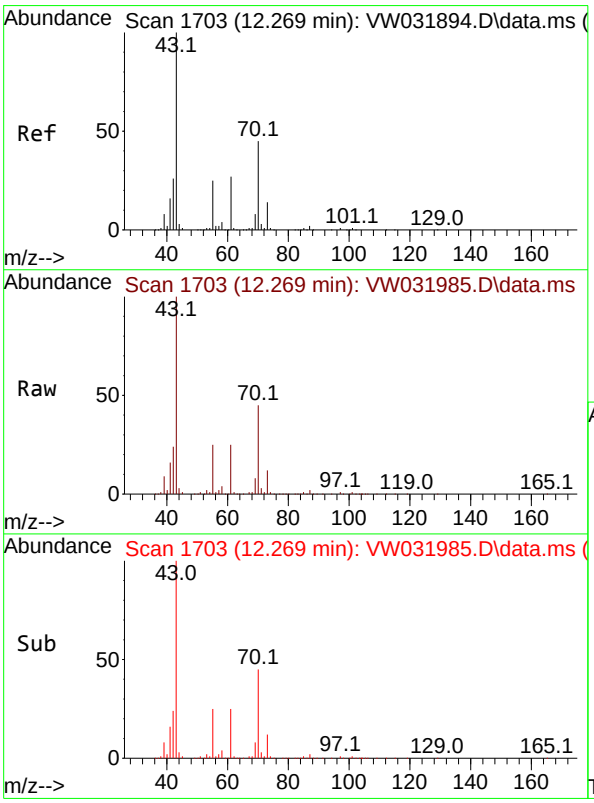
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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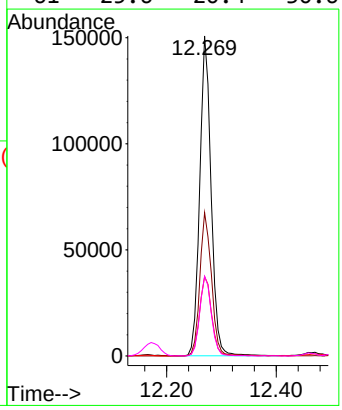
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

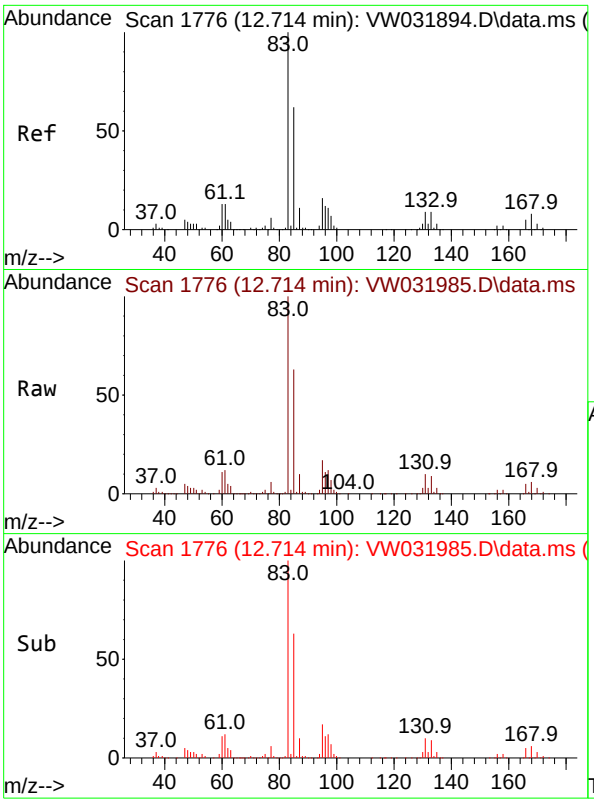


#74
N-amyl acetate
Concen: 52.039 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 217122

Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.6	55.0
55	26.8	20.7	31.1
61	25.6	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 51.882 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

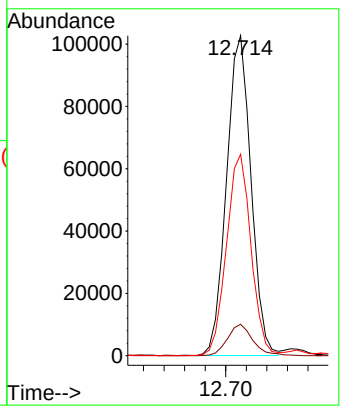
Tgt Ion: 83 Resp: 16996

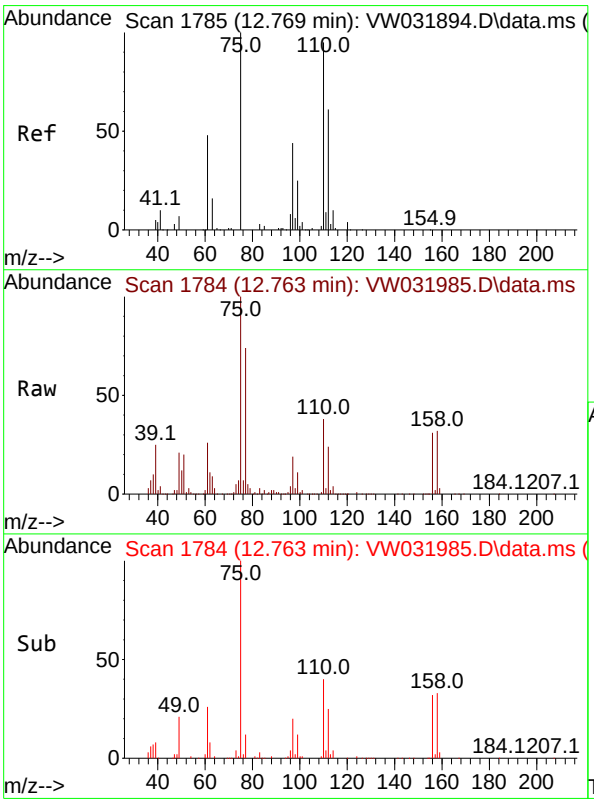
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	63.1	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

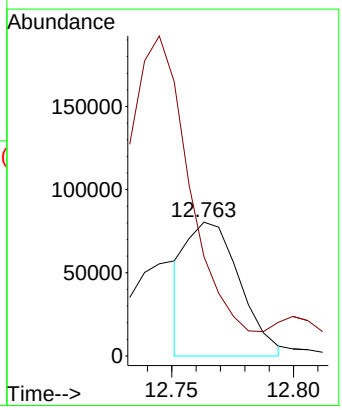


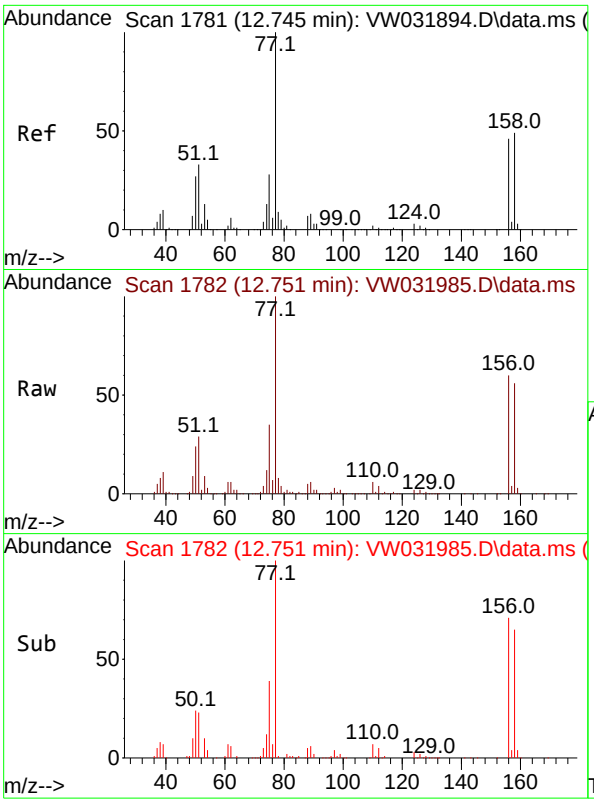


#76
1,2,3-Trichloropropane
Concen: 49.942 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 122647

Ion	Ratio	Lower	Upper
75	100		
77	300.9	0.0	0.0#





#77
Bromobenzene
Concen: 51.396 ug/l
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

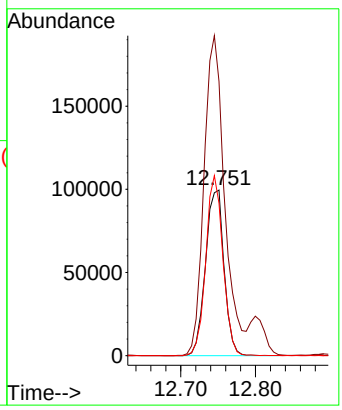
Tgt Ion:156 Resp: 17162

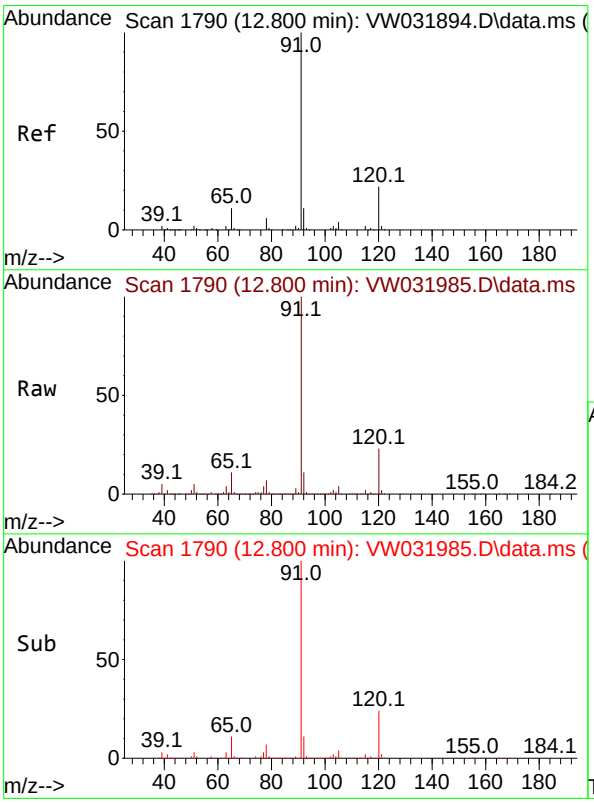
Ion	Ratio	Lower	Upper
156	100		
77	215.0	115.3	345.8
158	100.6	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

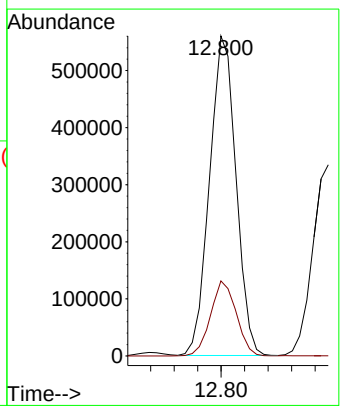


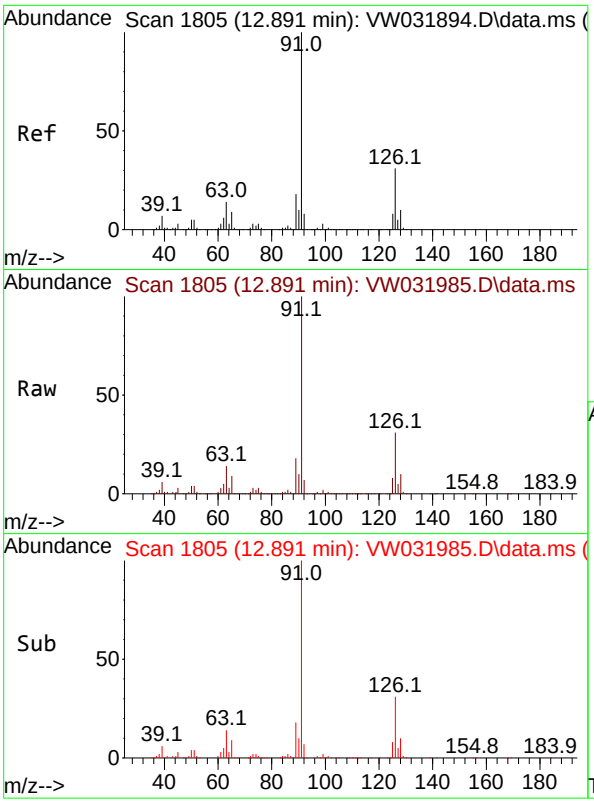


#78
n-propylbenzene
Concen: 46.224 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 876165

Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.9	32.6

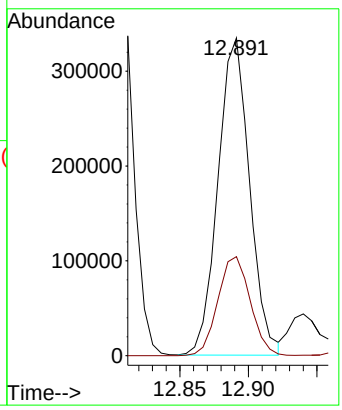




#79
2-Chlorotoluene
Concen: 47.352 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 53589

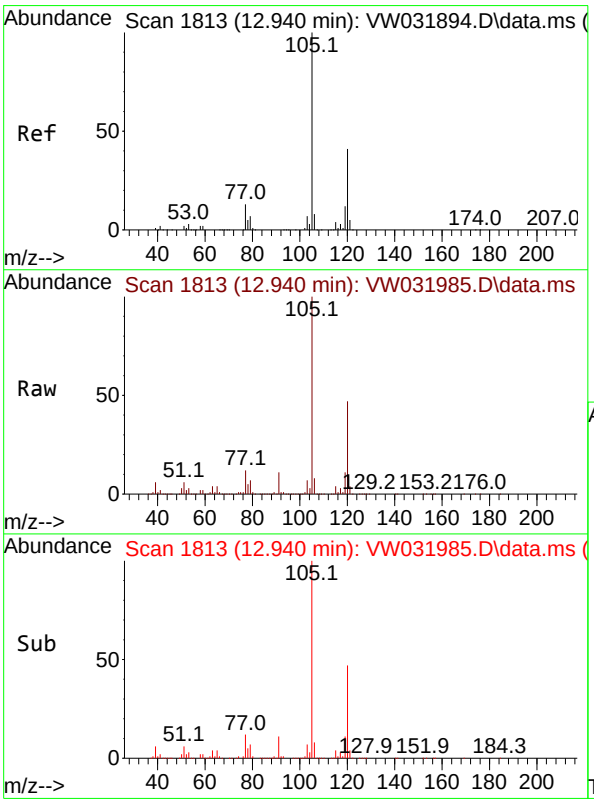
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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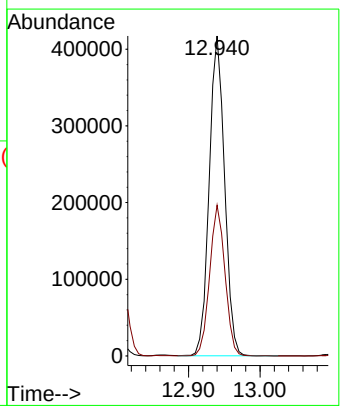
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

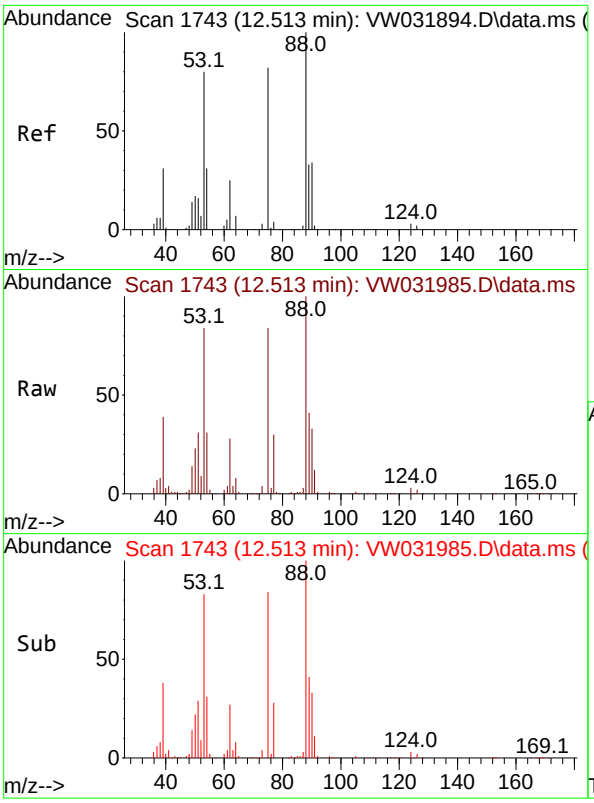


#80
1,3,5-Trimethylbenzene
Concen: 48.080 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:105 Resp: 622333

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 48.698 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

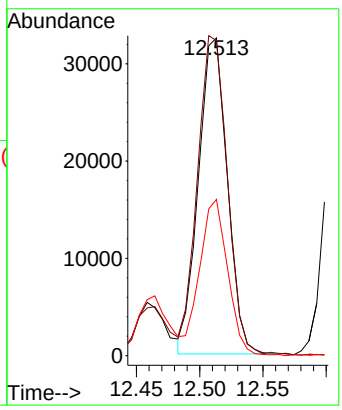
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

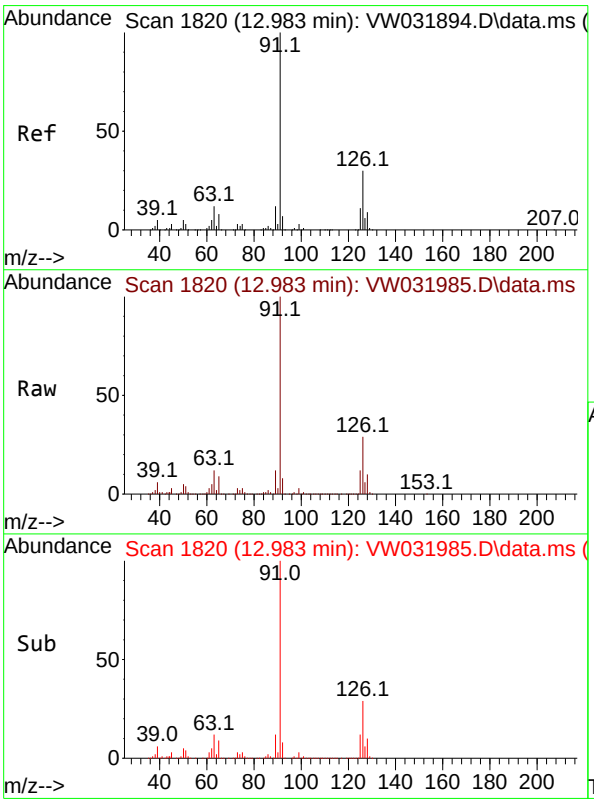
Tgt Ion: 75 Resp: 5180

Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.7	125.5
89	48.7	39.0	58.6

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

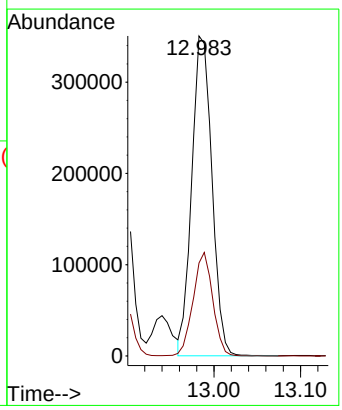


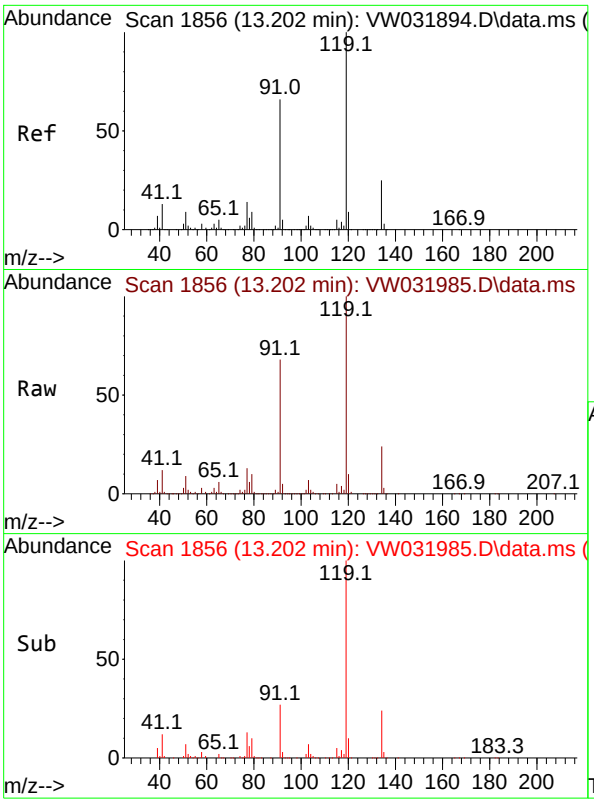


#82
4-Chlorotoluene
Concen: 47.686 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 566162

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.3

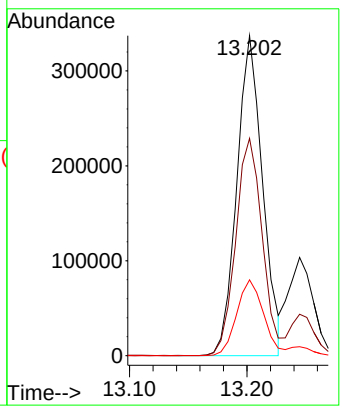




#83
tert-Butylbenzene
Concen: 46.614 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:119 Resp: 51394

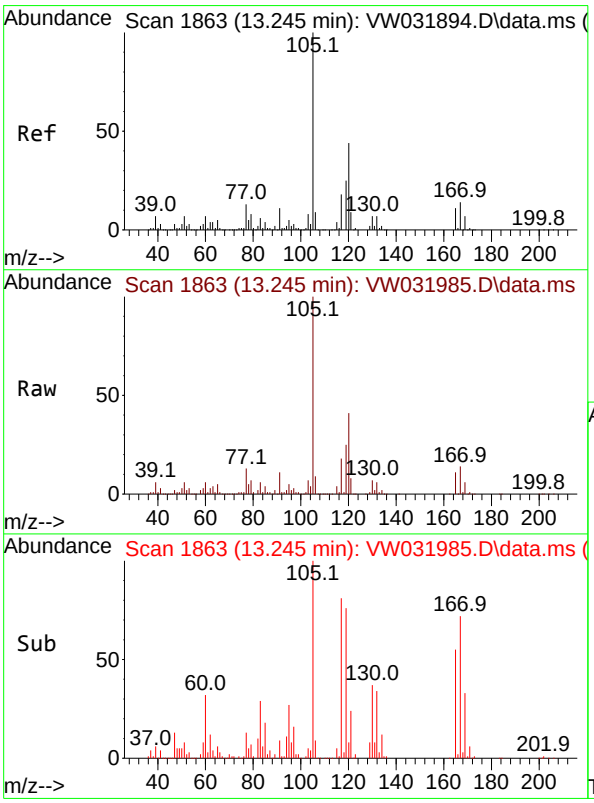
Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.5	106.5
134	24.8	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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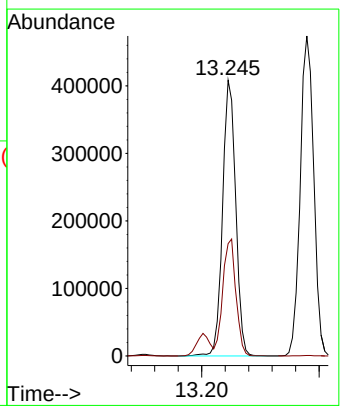
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

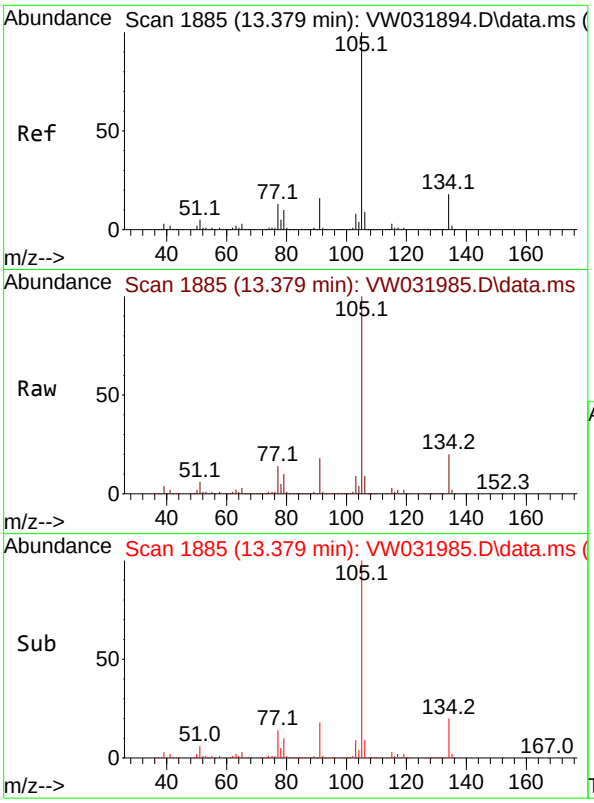


#84
1,2,4-Trimethylbenzene
Concen: 48.353 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:105 Resp: 633478

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.3	63.9





#85
sec-Butylbenzene
Concen: 45.541 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

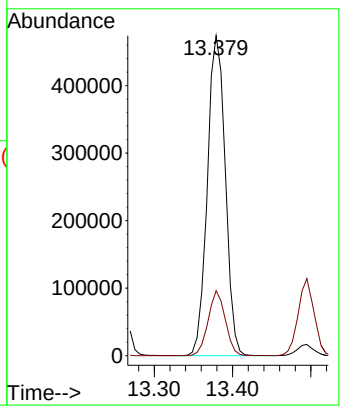
Tgt Ion:105 Resp: 75403

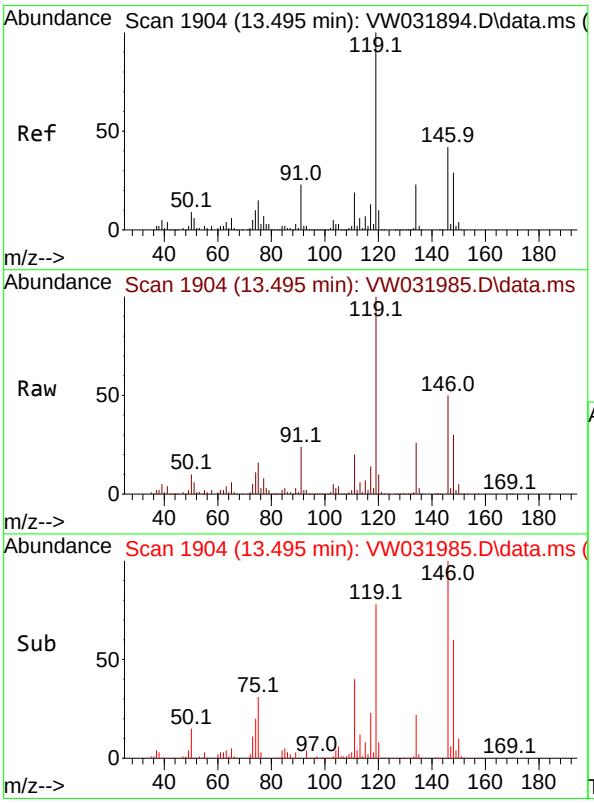
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

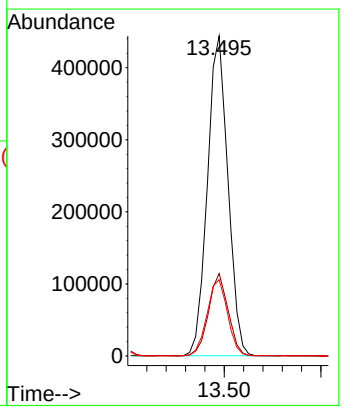


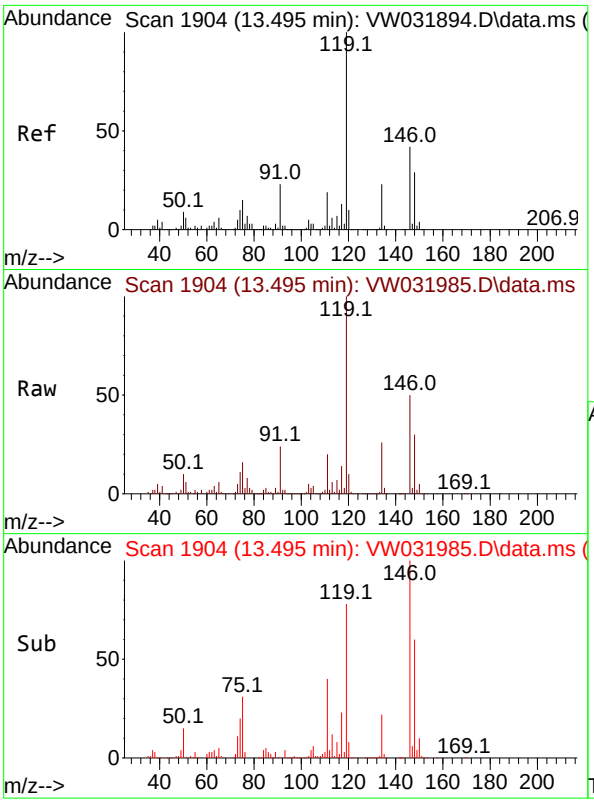


#86
p-Isopropyltoluene
Concen: 47.816 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:119 Resp: 654380

Ion	Ratio	Lower	Upper
119	100		
134	24.7	13.0	39.0
91	23.8	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 48.589 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

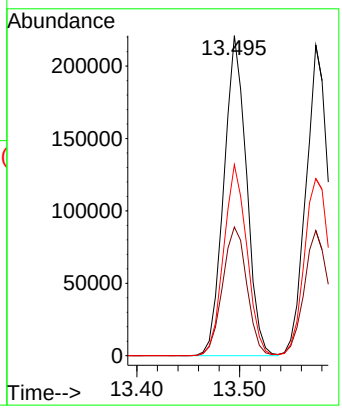
Tgt Ion:146 Resp: 33774

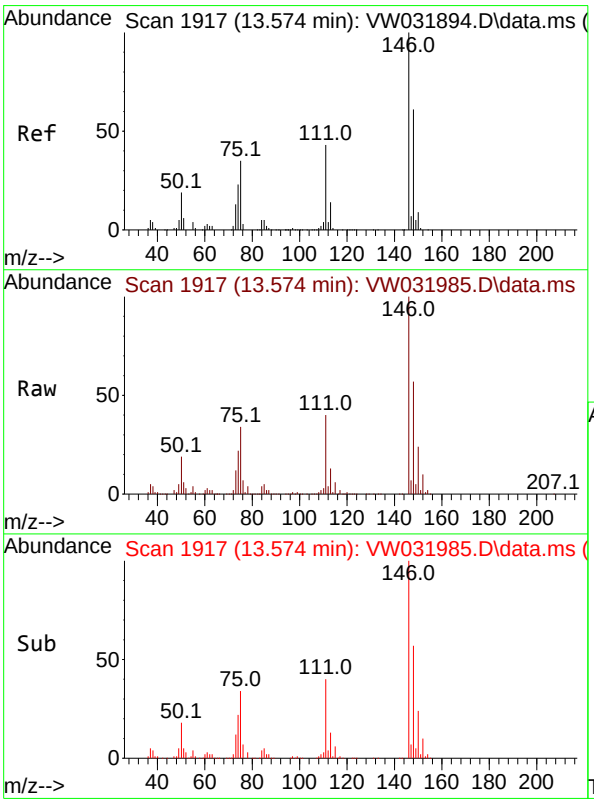
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	61.1	31.9	95.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

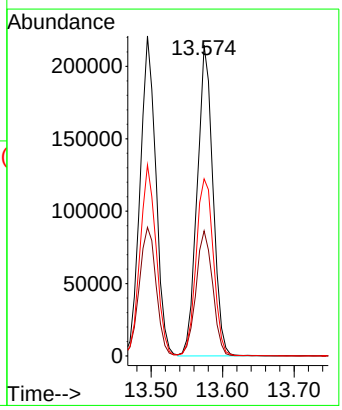


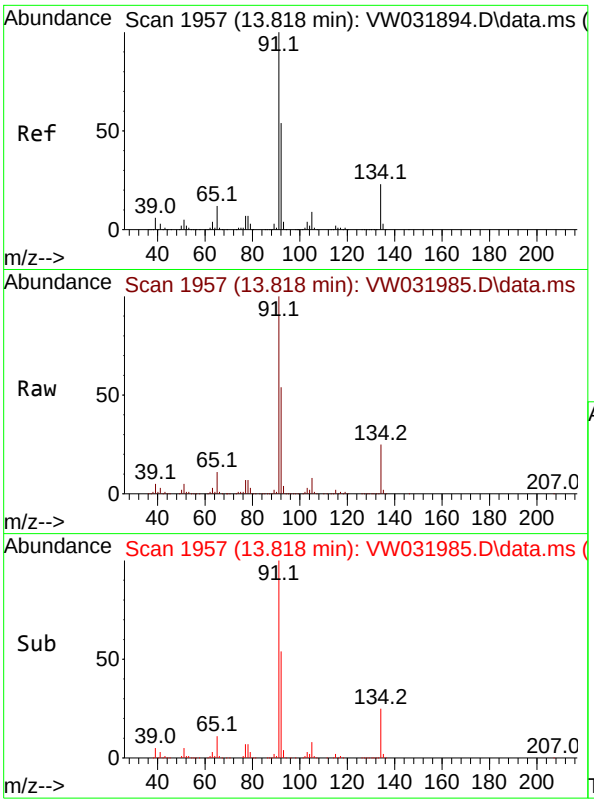


#88
1,4-Dichlorobenzene
Concen: 48.244 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:146 Resp: 328506

Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.1	66.3
148	62.6	31.8	95.3

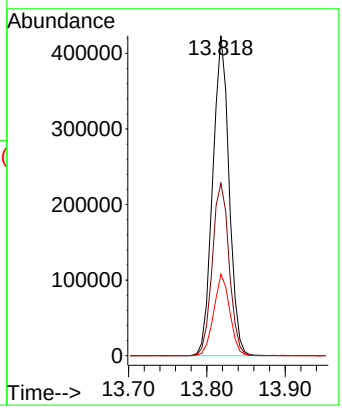




#89
n-Butylbenzene
Concen: 45.780 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 61460

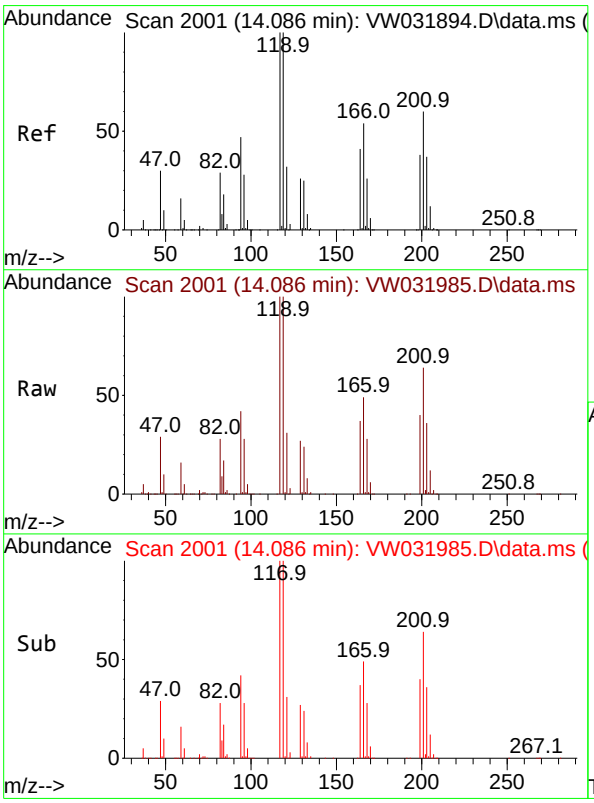
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.5
134	24.9	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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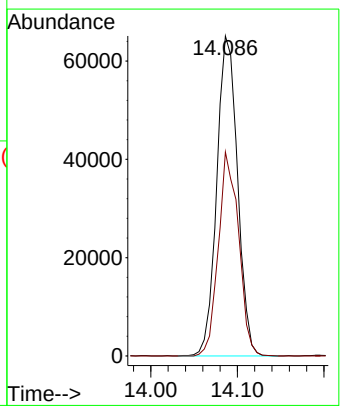
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

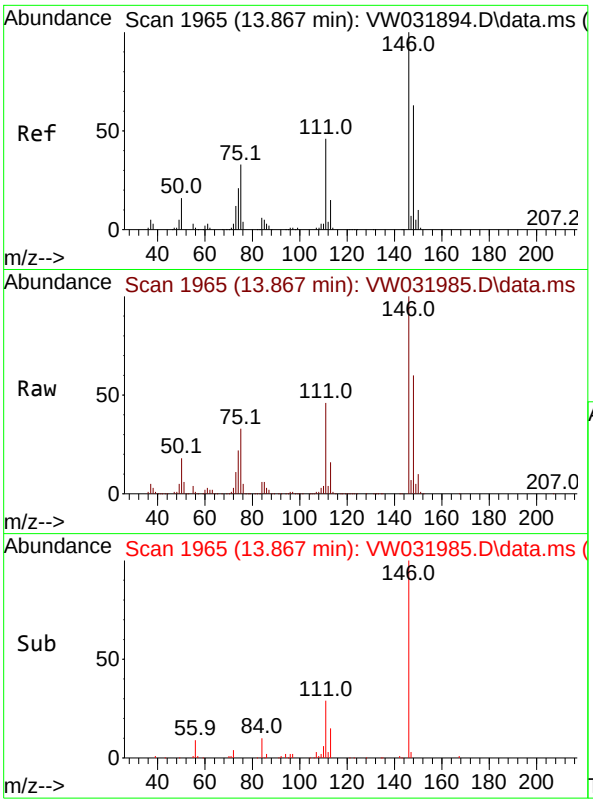


#90
Hexachloroethane
Concen: 45.823 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:117 Resp: 108440

Ion	Ratio	Lower	Upper
117	100		
201	62.1	28.4	85.2

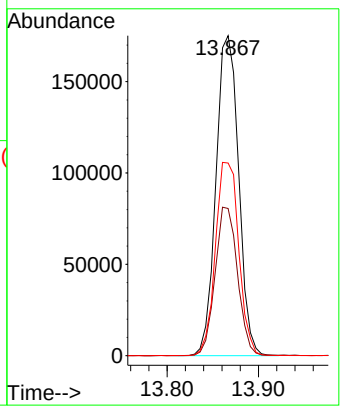




#91
1,2-Dichlorobenzene
Concen: 48.979 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:146 Resp: 30171

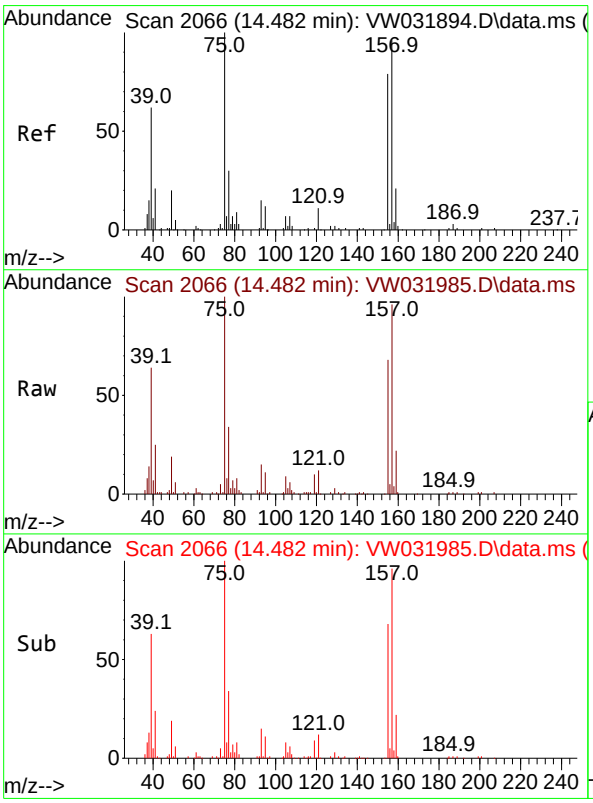
Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.6	71.0
148	62.4	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

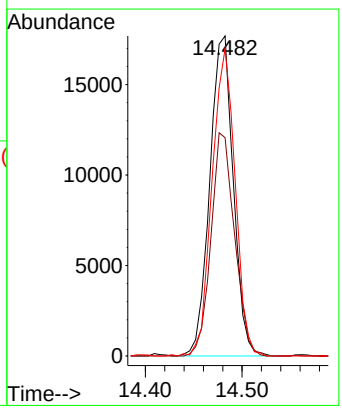
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

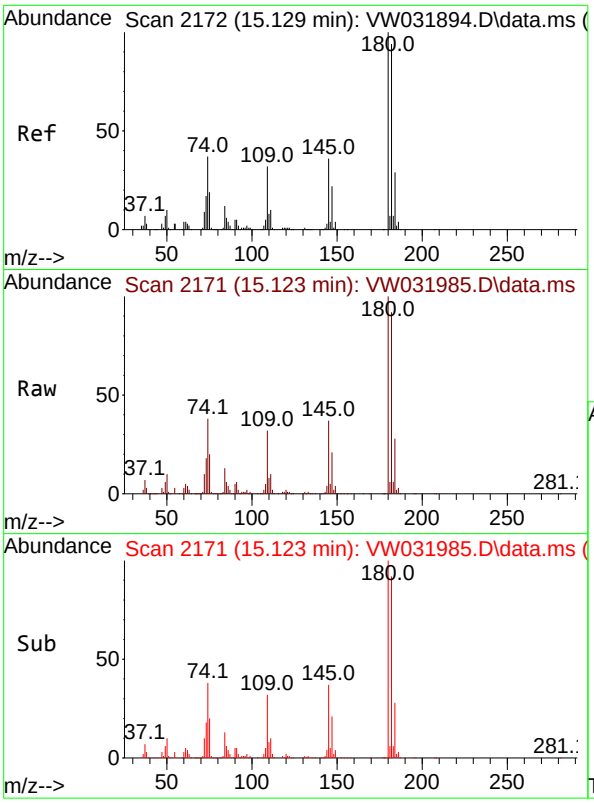


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.583 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 29937

Ion	Ratio	Lower	Upper
75	100		
155	69.7	35.9	107.7
157	93.9	47.4	142.2

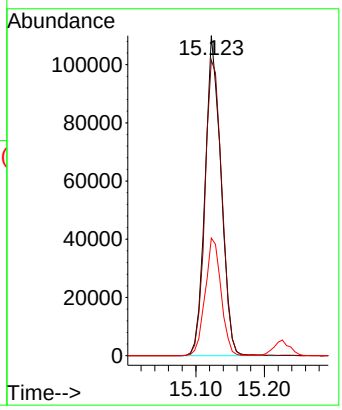




#93
1,2,4-Trichlorobenzene
Concen: 47.847 ug/l
RT: 15.123 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:180 Resp: 17775

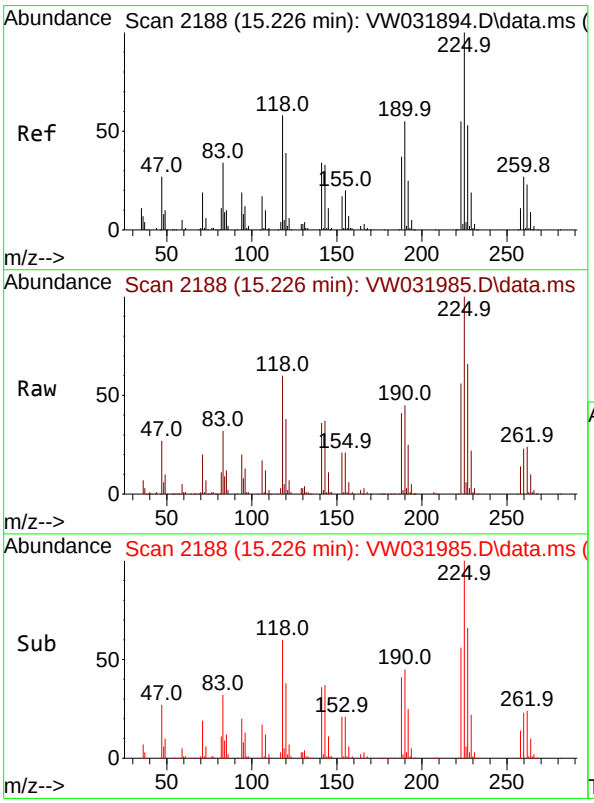
Ion	Ratio	Lower	Upper
180	100		
182	97.9	51.0	153.1
145	36.7	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

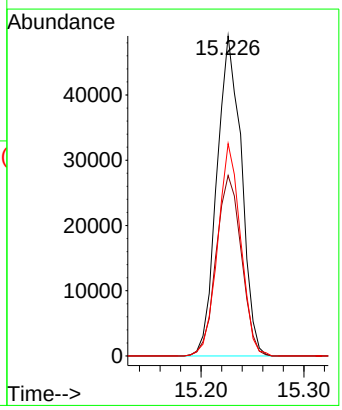
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

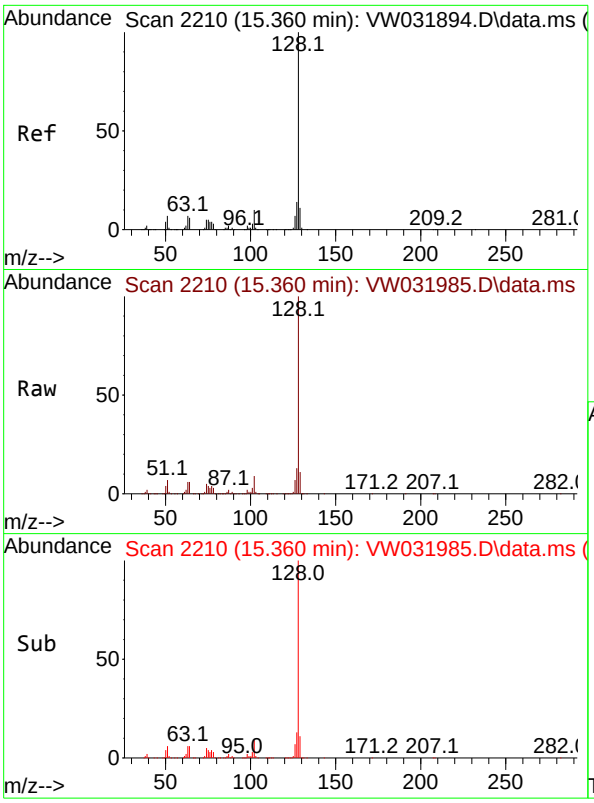


#94
Hexachlorobutadiene
Concen: 46.164 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:225 Resp: 81268

Ion	Ratio	Lower	Upper
225	100		
223	57.8	30.9	92.7
227	62.1	30.0	90.1

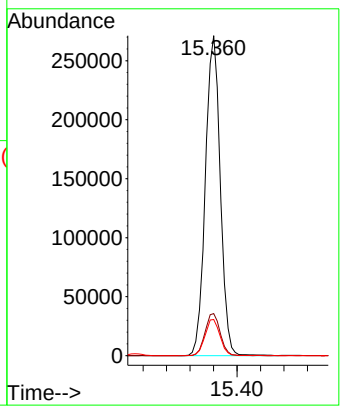




#95
Naphthalene
Concen: 52.274 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:128 Resp: 47744

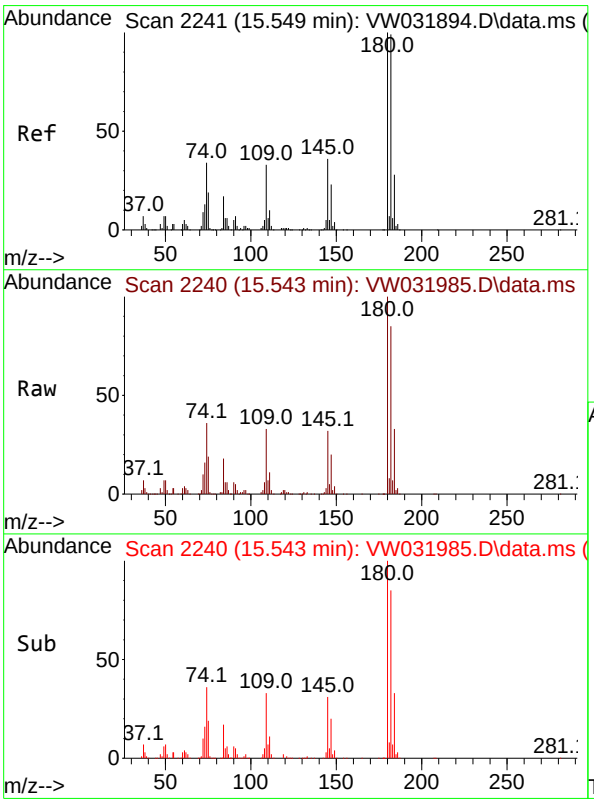
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.4	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

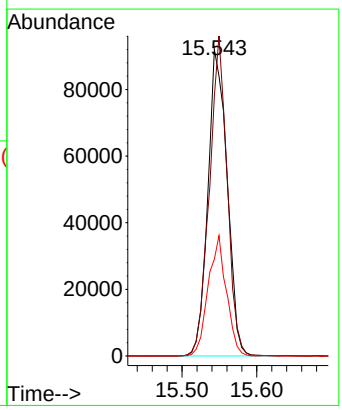
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.060 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:180 Resp: 165137

Ion	Ratio	Lower	Upper
180	100		
182	96.8	50.4	151.2
145	37.1	18.6	55.8



Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.372	0.303	18.5	82	0.00
3	P	Chloromethane	0.477	0.486	-1.9	108	0.00
4	C	Vinyl Chloride	0.620	0.536	13.5#	84	0.00
5	T	Bromomethane	0.456	0.462	-1.3	103	0.00
6	T	Chloroethane	0.409	0.421	-2.9	104	0.00
7	T	Trichlorofluoromethane	0.628	0.560	10.8	80	0.00
8	T	Diethyl Ether	0.419	0.428	-2.1	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.587	2.8	96	-0.01
10	T	Methyl Iodide	0.902	0.902	0.0	101	0.00
11	T	Tert butyl alcohol	0.044	0.048	-9.1	107	0.00
12	CM	1,1-Dichloroethene	0.667	0.644	3.4#	96	0.00
13	T	Acrolein	0.065	0.017	73.8#	30#	0.00
14	T	Allyl chloride	1.038	1.016	2.1	97	0.00
15	T	Acrylonitrile	0.187	0.207	-10.7	110	0.00
16	T	Acetone	0.179	0.166	7.3	97	0.00
17	T	Carbon Disulfide	1.729	1.739	-0.6	99	0.00
18	T	Methyl Acetate	0.494	0.586	-18.6	119	0.00
19	T	Methyl tert-butyl Ether	1.152	1.265	-9.8	108	0.00
20	T	Methylene Chloride	0.944	0.763	19.2	98	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.714	-1.0	100	0.00
22	T	Diisopropyl ether	2.077	2.175	-4.7	102	0.00
23	T	Vinyl Acetate	1.357	1.450	-6.9	103	0.00
24	P	1,1-Dichloroethane	1.293	1.340	-3.6	102	0.00
25	T	2-Butanone	0.246	0.262	-6.5	107	0.00
26	T	2,2-Dichloropropane	0.732	0.691	5.6	90	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.869	-4.4	102	0.00
28	T	Bromochloromethane	0.541	0.528	2.4	97	0.00
29	T	Tetrahydrofuran	0.161	0.181	-12.4	110	0.00
30	C	Chloroform	1.356	1.411	-4.1#	104	0.00
31	T	Cyclohexane	1.160	1.059	8.7	93	0.00
32	T	1,1,1-Trichloroethane	1.032	1.016	1.6	97	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.726	4.0	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.340	0.322	5.3	99	0.00
36	T	1,1-Dichloropropene	0.522	0.489	6.3	96	0.00
37	T	Ethyl Acetate	0.298	0.317	-6.4	107	0.00
38	T	Carbon Tetrachloride	0.501	0.469	6.4	95	0.00
39	T	Methylcyclohexane	0.657	0.609	7.3	93	0.00
40	TM	Benzene	1.545	1.555	-0.6	103	0.00
41	T	Methacrylonitrile	0.178	0.187	-5.1	105	0.00
42	TM	1,2-Dichloroethane	0.494	0.495	-0.2	103	0.00
43	T	Isopropyl Acetate	0.539	0.566	-5.0	107	0.00
44	TM	Trichloroethene	0.367	0.362	1.4	100	0.00
45	C	1,2-Dichloropropane	0.372	0.373	-0.3#	104	0.00
46	T	Dibromomethane	0.231	0.244	-5.6	108	0.00
47	T	Bromodichloromethane	0.553	0.567	-2.5	106	0.00
48	T	Methyl methacrylate	0.256	0.277	-8.2	109	0.00

Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	110	0.00
50	S	Toluene-d8	1.286	1.186	7.8	97	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.326	-10.5	111	0.00
52	CM	Toluene	0.993	0.998	-0.5#	102	0.00
53	T	t-1,3-Dichloropropene	0.530	0.542	-2.3	104	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.620	-2.3	103	0.00
55	T	1,1,2-Trichloroethane	0.306	0.332	-8.5	111	0.00
56	T	Ethyl methacrylate	0.433	0.473	-9.2	107	0.00
57	T	1,3-Dichloropropane	0.540	0.564	-4.4	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.217	2.3	97	0.00
59	T	2-Hexanone	0.205	0.225	-9.8	110	0.00
60	T	Dibromochloromethane	0.357	0.375	-5.0	107	0.00
61	T	1,2-Dibromoethane	0.303	0.322	-6.3	108	0.00
62	S	4-Bromofluorobenzene	0.494	0.463	6.3	101	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.330	0.310	6.1	102	0.00
65	PM	Chlorobenzene	1.224	1.192	2.6	102	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.379	0.0	107	0.00
67	C	Ethyl Benzene	2.150	2.086	3.0#	100	0.00
68	T	m/p-Xylenes	0.809	0.783	3.2	101	0.00
69	T	o-Xylene	0.766	0.754	1.6	101	0.00
70	T	Styrene	1.304	1.297	0.5	102	0.00
71	P	Bromoform	0.207	0.215	-3.9	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.338	4.060	6.4	97	0.00
74	T	N-amyl acetate	1.173	1.221	-4.1	108	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.956	-3.8	110	0.00
76	T	1,2,3-Trichloropropane	0.690	0.690	0.0	105	0.00
77	T	Bromobenzene	0.939	0.965	-2.8	112	0.00
78	T	n-propylbenzene	5.328	4.926	7.5	97	0.00
79	T	2-Chlorotoluene	3.181	3.013	5.3	101	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.499	3.8	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.291	2.7	102	0.00
82	T	4-Chlorotoluene	3.337	3.183	4.6	102	0.00
83	T	tert-Butylbenzene	3.099	2.889	6.8	99	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.561	3.3	102	0.00
85	T	sec-Butylbenzene	4.654	4.239	8.9	97	0.00
86	T	p-Isopropyltoluene	3.847	3.679	4.4	101	0.00
87	T	1,3-Dichlorobenzene	1.954	1.899	2.8	105	0.00
88	T	1,4-Dichlorobenzene	1.914	1.847	3.5	107	0.00
89	T	n-Butylbenzene	3.774	3.455	8.5	95	0.00
90	T	Hexachloroethane	0.665	0.610	8.3	100	0.00
91	T	1,2-Dichlorobenzene	1.732	1.696	2.1	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.168	-1.2	111	0.00
93	T	1,2,4-Trichlorobenzene	1.044	0.999	4.3	107	0.00
94	T	Hexachlorobutadiene	0.495	0.457	7.7	98	0.00
95	T	Naphthalene	2.567	2.684	-4.6	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	0.928	1.9	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	40.744	18.5	82	0.00
3	P	Chloromethane	50.000	50.923	-1.8	108	0.00
4	C	Vinyl Chloride	50.000	43.257	13.5#	84	0.00
5	T	Bromomethane	50.000	50.641	-1.3	103	0.00
6	T	Chloroethane	50.000	51.463	-2.9	104	0.00
7	T	Trichlorofluoromethane	50.000	44.646	10.7	80	0.00
8	T	Diethyl Ether	50.000	51.017	-2.0	106	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.656	2.7	96	-0.01
10	T	Methyl Iodide	50.000	49.948	0.1	101	0.00
11	T	Tert butyl alcohol	250.000	269.895	-8.0	107	0.00
12	CM	1,1-Dichloroethene	50.000	48.279	3.4#	96	0.00
13	T	Acrolein	250.000	59.470	76.2#	30	0.00
14	T	Allyl chloride	50.000	48.945	2.1	97	0.00
15	T	Acrylonitrile	250.000	276.667	-10.7	110	0.00
16	T	Acetone	250.000	230.752	7.7	97	0.00
17	T	Carbon Disulfide	50.000	50.293	-0.6	99	0.00
18	T	Methyl Acetate	50.000	59.246	-18.5	119	0.00
19	T	Methyl tert-butyl Ether	50.000	54.928	-9.9	108	0.00
20	T	Methylene Chloride	50.000	49.650	0.7	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.489	-1.0	100	0.00
22	T	Diisopropyl ether	50.000	52.366	-4.7	102	0.00
23	T	Vinyl Acetate	250.000	267.245	-6.9	103	0.00
24	P	1,1-Dichloroethane	50.000	51.816	-3.6	102	0.00
25	T	2-Butanone	250.000	266.658	-6.7	107	0.00
26	T	2,2-Dichloropropane	50.000	47.176	5.6	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.267	-4.5	102	0.00
28	T	Bromochloromethane	50.000	48.733	2.5	97	0.00
29	T	Tetrahydrofuran	250.000	281.470	-12.6	110	0.00
30	C	Chloroform	50.000	52.030	-4.1#	104	0.00
31	T	Cyclohexane	50.000	45.650	8.7	93	0.00
32	T	1,1,1-Trichloroethane	50.000	49.245	1.5	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.980	4.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	47.397	5.2	99	0.00
36	T	1,1-Dichloropropene	50.000	46.862	6.3	96	0.00
37	T	Ethyl Acetate	50.000	53.262	-6.5	107	0.00
38	T	Carbon Tetrachloride	50.000	46.827	6.3	95	0.00
39	T	Methylcyclohexane	50.000	46.376	7.2	93	0.00
40	TM	Benzene	50.000	50.349	-0.7	103	0.00
41	T	Methacrylonitrile	50.000	52.578	-5.2	105	0.00
42	TM	1,2-Dichloroethane	50.000	50.091	-0.2	103	0.00
43	T	Isopropyl Acetate	50.000	52.561	-5.1	107	0.00
44	TM	Trichloroethene	50.000	49.283	1.4	100	0.00
45	C	1,2-Dichloropropane	50.000	50.111	-0.2#	104	0.00
46	T	Dibromomethane	50.000	52.955	-5.9	108	0.00
47	T	Bromodichloromethane	50.000	51.290	-2.6	106	0.00
48	T	Methyl methacrylate	50.000	54.104	-8.2	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1248.792	-24.9	110	0.00
50	S	Toluene-d8	50.000	46.115	7.8	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	276.474	-10.6	111	0.00
52	CM	Toluene	50.000	50.282	-0.6#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	51.126	-2.3	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.145	-2.3	103	0.00
55	T	1,1,2-Trichloroethane	50.000	54.145	-8.3	111	0.00
56	T	Ethyl methacrylate	50.000	54.717	-9.4	107	0.00
57	T	1,3-Dichloropropane	50.000	52.261	-4.5	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	243.681	2.5	97	0.00
59	T	2-Hexanone	250.000	274.174	-9.7	110	0.00
60	T	Dibromochloromethane	50.000	52.497	-5.0	107	0.00
61	T	1,2-Dibromoethane	50.000	53.118	-6.2	108	0.00
62	S	4-Bromofluorobenzene	50.000	46.896	6.2	101	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	47.091	5.8	102	0.00
65	PM	Chlorobenzene	50.000	48.717	2.6	102	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.944	0.1	107	0.00
67	C	Ethyl Benzene	50.000	48.521	3.0#	100	0.00
68	T	m/p-Xylenes	100.000	96.758	3.2	101	0.00
69	T	o-Xylene	50.000	49.214	1.6	101	0.00
70	T	Styrene	50.000	49.707	0.6	102	0.00
71	P	Bromoform	50.000	51.754	-3.5	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	46.792	6.4	97	0.00
74	T	N-amyl acetate	50.000	52.039	-4.1	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.882	-3.8	110	0.00
76	T	1,2,3-Trichloropropane	50.000	49.942	0.1	105	0.00
77	T	Bromobenzene	50.000	51.396	-2.8	112	0.00
78	T	n-propylbenzene	50.000	46.224	7.6	97	0.00
79	T	2-Chlorotoluene	50.000	47.352	5.3	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.080	3.8	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.698	2.6	102	0.00
82	T	4-Chlorotoluene	50.000	47.686	4.6	102	0.00
83	T	tert-Butylbenzene	50.000	46.614	6.8	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.353	3.3	102	0.00
85	T	sec-Butylbenzene	50.000	45.541	8.9	97	0.00
86	T	p-Isopropyltoluene	50.000	47.816	4.4	101	0.00
87	T	1,3-Dichlorobenzene	50.000	48.589	2.8	105	0.00
88	T	1,4-Dichlorobenzene	50.000	48.244	3.5	107	0.00
89	T	n-Butylbenzene	50.000	45.780	8.4	95	0.00
90	T	Hexachloroethane	50.000	45.823	8.4	100	0.00
91	T	1,2-Dichlorobenzene	50.000	48.979	2.0	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.583	-1.2	111	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.847	4.3	107	0.00
94	T	Hexachlorobutadiene	50.000	46.164	7.7	98	0.00
95	T	Naphthalene	50.000	52.274	-4.5	112	0.00

Sample Results: **VW031985.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.060	1.9	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW031987.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/04/2025 09:24
Lab File ID: VW031987.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.350		-5.91	20
Chloromethane	0.477	0.475	0.1	-0.42	20
Vinyl Chloride	0.620	0.591		-4.68	20
Bromomethane	0.456	0.449		-1.53	20
Chloroethane	0.409	0.406		-0.73	20
Tetrahydrofuran	0.161	0.157		-2.48	20
Trichlorofluoromethane	0.628	0.548		-12.74	20
1,1,2-Trichlorotrifluoroethane	0.604	0.586		-2.98	20
1,1-Dichloroethene	0.667	0.641		-3.9	20
Acrylonitrile	0.187	0.181		-3.21	20
Acetone	0.179	0.181		1.12	20
Carbon Disulfide	1.729	1.772		2.49	20
Methyl tert-butyl Ether	1.152	1.181		2.52	20
Methylene Chloride	0.944	0.702		-25.64	20
trans-1,2-Dichloroethene	0.707	0.687		-2.83	20
1,1-Dichloroethane	1.293	1.249	0.1	-3.4	20
2-Butanone	0.246	0.243		-1.22	20
Carbon Tetrachloride	0.501	0.511		2	20
2,2-Dichloropropane	0.732	0.712		-2.73	20
cis-1,2-Dichloroethene	0.832	0.815		-2.04	20
Chloroform	1.356	1.335		-1.55	20
1,1,1-Trichloroethane	1.032	1.017		-1.45	20
1,1-Dichloropropene	0.522	0.527		0.96	20
Benzene	1.545	1.582		2.39	20
1,2-Dichloroethane	0.494	0.493		-0.2	20
Trichloroethene	0.367	0.369		0.55	20
1,2-Dichloropropane	0.372	0.382		2.69	20
Dibromomethane	0.231	0.240		3.9	20
Bromodichloromethane	0.553	0.576		4.16	20
4-Methyl-2-Pentanone	0.295	0.309		4.75	20
Toluene	0.993	1.037		4.43	20
t-1,3-Dichloropropene	0.530	0.560		5.66	20
cis-1,3-Dichloropropene	0.606	0.634		4.62	20
1,1,2-Trichloroethane	0.306	0.321		4.9	20
1,3-Dichloropropane	0.540	0.549		1.67	20
2-Hexanone	0.205	0.217		5.85	20
Dibromochloromethane	0.357	0.393		10.08	20
1,2-Dibromoethane	0.303	0.310		2.31	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW031987.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2747

Instrument ID: MSVOA_W | Calibration Date/Time: 08/04/2025 09:24

Lab File ID: VW031987.D | Init. Calib. Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:05 12:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.330	0.344		4.24	20
Chlorobenzene	1.224	1.223	0.3	-0.08	20
1,1,1,2-Tetrachloroethane	0.379	0.393		3.69	20
Ethyl Benzene	2.150	2.163		0.61	20
m/p-Xylenes	0.809	0.831		2.72	20
o-Xylene	0.766	0.792		3.39	20
Styrene	1.304	1.338		2.61	20
Bromoform	0.207	0.226	0.1	9.18	20
Isopropylbenzene	4.338	4.507		3.9	20
1,1,2,2-Tetrachloroethane	0.921	0.973	0.3	5.65	20
1,2,3-Trichloropropane	0.690	0.697		1.01	20
Bromobenzene	0.939	0.996		6.07	20
n-propylbenzene	5.328	5.592		4.95	20
2-Chlorotoluene	3.181	3.301		3.77	20
1,3,5-Trimethylbenzene	3.638	3.761		3.38	20
4-Chlorotoluene	3.337	3.436		2.97	20
tert-Butylbenzene	3.099	3.269		5.49	20
1,2,4-Trimethylbenzene	3.683	3.832		4.05	20
sec-Butylbenzene	4.654	4.773		2.56	20
p-Isopropyltoluene	3.847	3.864		0.44	20
1,3-Dichlorobenzene	1.954	2.038		4.3	20
1,4-Dichlorobenzene	1.914	2.031		6.11	20
n-Butylbenzene	3.774	3.929		4.11	20
1,2-Dichlorobenzene	1.732	1.763		1.79	20
1,2-Dibromo-3-Chloropropane	0.166	0.174		4.82	20
1,2,4-Trichlorobenzene	1.044	1.086		4.02	20
Hexachlorobutadiene	0.495	0.535		8.08	20
1,2,3-Trichlorobenzene	0.946	0.997		5.39	20
1,2-Dichloroethane-d4	0.756	0.691		-8.6	20
Dibromofluoromethane	0.340	0.330		-2.94	20
Toluene-d8	1.286	1.324		2.95	20
4-Bromofluorobenzene	0.494	0.478		-3.24	20
trans-1,4-Dichloro-2-butene	0.299	0.334		11.71	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	244933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	432425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	389959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	169357	45.708	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 91.420%			
35) Dibromofluoromethane	7.898	113	142737	48.577	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.160%			
50) Toluene-d8	10.325	98	572419	51.473	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.617	95	206626	48.388	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	85662	47.057	ug/l	99
3) Chloromethane	2.253	50	116271	49.763	ug/l	98
4) Vinyl Chloride	2.405	62	144777	47.700	ug/l	98
5) Bromomethane	2.820	94	110024	49.227	ug/l	98
6) Chloroethane	2.966	64	99457	49.649	ug/l	99
7) Trichlorofluoromethane	3.302	101	134184	43.649	ug/l	98
8) Diethyl Ether	3.716	74	97132	47.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	143414	48.501	ug/l	97
10) Methyl Iodide	4.301	142	218134	49.340	ug/l	98
11) Tert butyl alcohol	5.228	59	54985	252.460	ug/l #	85
12) 1,1-Dichloroethene	4.076	96	156905	48.043	ug/l	93
13) Acrolein	3.936	56	16608	46.885	ug/l	97
14) Allyl chloride	4.698	41	245709	48.328	ug/l	99
15) Acrylonitrile	5.399	53	221867	241.666	ug/l	99
16) Acetone	4.167	43	222267	252.797	ug/l	98
17) Carbon Disulfide	4.411	76	434050	51.244	ug/l	99
18) Methyl Acetate	4.710	43	121653	50.222	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	289199	51.249	ug/l	94
20) Methylene Chloride	4.948	84	171869	45.265	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	168346	48.582	ug/l	98
22) Diisopropyl ether	6.338	45	491457	48.308	ug/l	98
23) Vinyl Acetate	6.277	43	1647152	247.825	ug/l	99
24) 1,1-Dichloroethane	6.240	63	305835	48.284	ug/l	99
25) 2-Butanone	7.191	43	297250	247.094	ug/l	97
26) 2,2-Dichloropropane	7.185	77	174317	48.611	ug/l	96
27) cis-1,2-Dichloroethene	7.185	96	199527	48.978	ug/l	99
28) Bromochloromethane	7.527	49	113318	42.729	ug/l	93
29) Tetrahydrofuran	7.551	42	192017	243.457	ug/l	99
30) Chloroform	7.691	83	327064	49.247	ug/l	100
31) Cyclohexane	7.965	56	258034	45.408	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	249005	49.272	ug/l	98
36) 1,1-Dichloropropene	8.093	75	228003	50.527	ug/l	100
37) Ethyl Acetate	7.270	43	124924	48.529	ug/l	99
38) Carbon Tetrachloride	8.081	117	221044	51.041	ug/l	92
39) Methylcyclohexane	9.343	83	293104	51.613	ug/l	94
40) Benzene	8.331	78	684237	51.223	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76296	49.512	ug/l		94
42) 1,2-Dichloroethane	8.410	62	212996	49.822	ug/l		98
43) Isopropyl Acetate	8.429	43	239547	51.403	ug/l		100
44) Trichloroethene	9.099	130	159542	50.248	ug/l		93
45) 1,2-Dichloropropane	9.374	63	165234	51.362	ug/l		98
46) Dibromomethane	9.465	93	103723	52.012	ug/l		100
47) Bromodichloromethane	9.648	83	249276	52.128	ug/l		96
48) Methyl methacrylate	9.441	41	115079	51.905	ug/l		98
49) 1,4-Dioxane	9.465	88	23290	1170.411	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.209	43	667922	261.891	ug/l		99
52) Toluene	10.392	92	448483	52.228	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	242170	52.793	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	274111	52.326	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	138672	52.349	ug/l		94
56) Ethyl methacrylate	10.648	69	203738	54.458	ug/l		96
57) 1,3-Dichloropropane	10.934	76	237448	50.881	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	272577	141.845	ug/l		100
59) 2-Hexanone	10.965	43	468504	264.279	ug/l		100
60) Dibromochloromethane	11.130	129	169737	54.958	ug/l		98
61) 1,2-Dibromoethane	11.233	107	134149	51.251	ug/l		97
64) Tetrachloroethene	10.861	164	134128	52.168	ug/l		91
65) Chlorobenzene	11.654	112	477060	49.985	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	153442	51.860	ug/l		99
67) Ethyl Benzene	11.727	91	843440	50.298	ug/l		99
68) m/p-Xylenes	11.837	106	648083	102.663	ug/l		95
69) o-Xylene	12.160	106	308857	51.699	ug/l		97
70) Styrene	12.178	104	521701	51.290	ug/l		99
71) Bromoform	12.349	173	88239	54.531	ug/l	#	100
73) Isopropylbenzene	12.459	105	780087	51.943	ug/l		98
74) N-amyl acetate	12.270	43	219672	54.105	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	168340	52.808	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	120635m	50.481	ug/l		
77) Bromobenzene	12.745	156	172345	53.039	ug/l		95
78) n-propylbenzene	12.800	91	967893	52.475	ug/l		100
79) 2-Chlorotoluene	12.885	91	571368	51.882	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	650913	51.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	57736	55.779	ug/l		94
82) 4-Chlorotoluene	12.983	91	594724	51.476	ug/l		100
83) tert-Butylbenzene	13.202	119	565841	52.740	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	663285	52.028	ug/l		99
85) sec-Butylbenzene	13.379	105	826119	51.273	ug/l		97
86) p-Isopropyltoluene	13.495	119	668872	50.226	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	352709	52.145	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	351606	53.064	ug/l		98
89) n-Butylbenzene	13.818	91	680026	52.053	ug/l		99
90) Hexachloroethane	14.086	117	122385	53.146	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	305187	50.911	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30095	52.255	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	187968	51.994	ug/l		96
94) Hexachlorobutadiene	15.226	225	92557	54.030	ug/l		96
95) Naphthalene	15.354	128	475796	53.533	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	172628	52.703	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

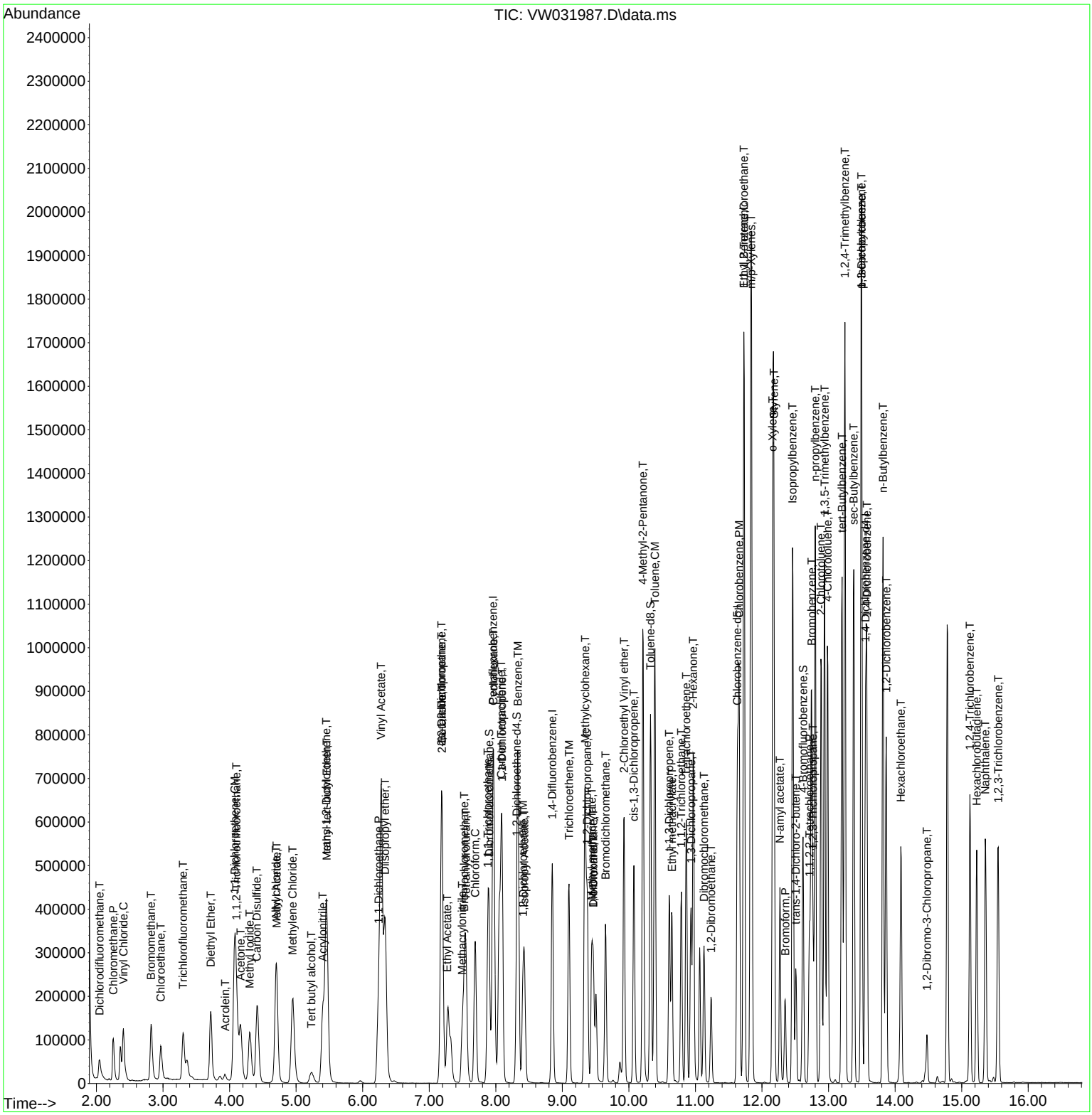
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Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

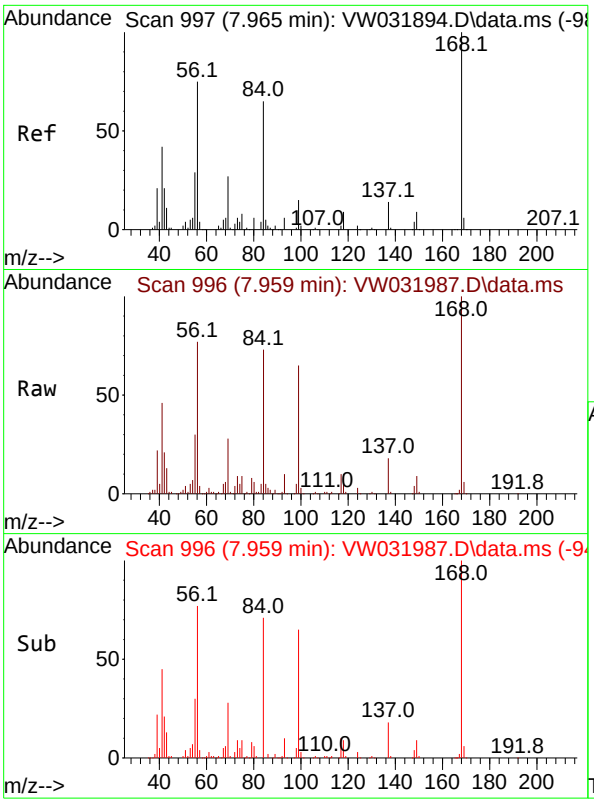
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

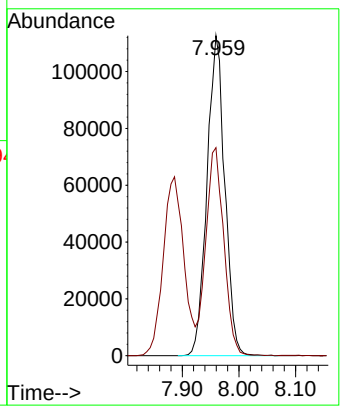




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:168 Resp: 24493

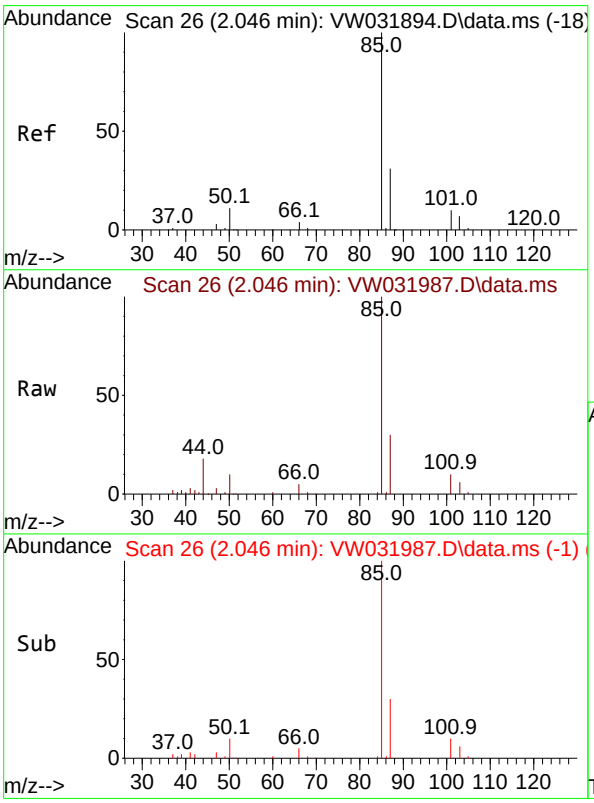
Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

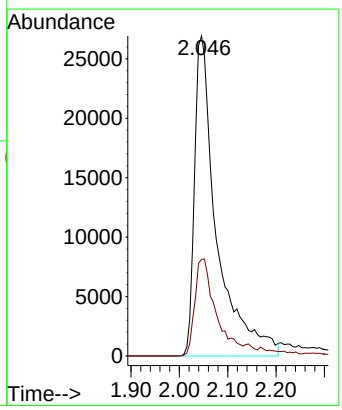
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

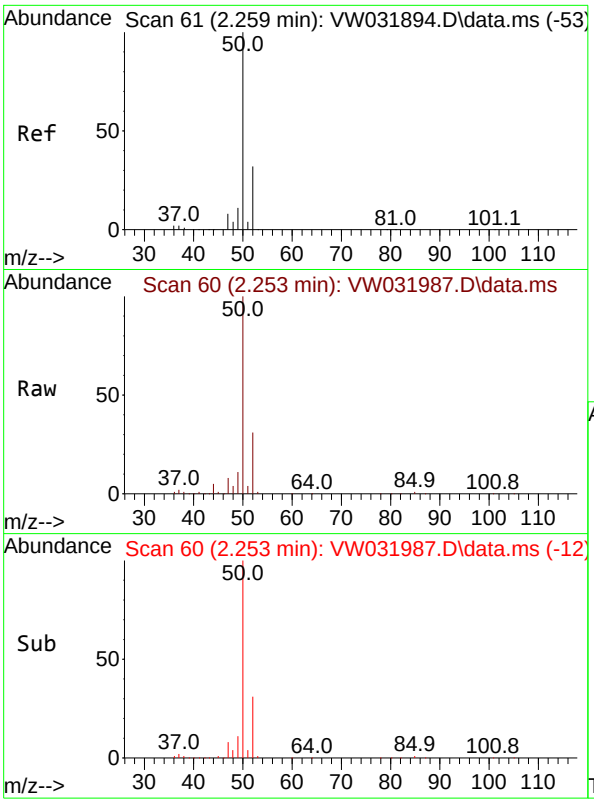


#2
Dichlorodifluoromethane
Concen: 47.057 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 85 Resp: 85662

Ion	Ratio	Lower	Upper
85	100		
87	30.2	15.5	46.5

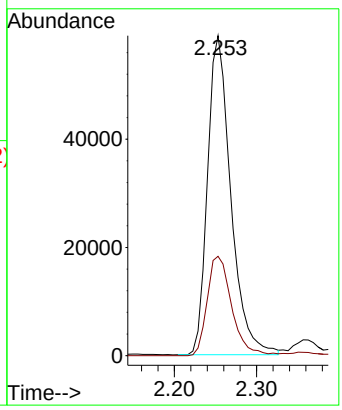




#3
Chloromethane
Concen: 49.763 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 50 Resp: 11627

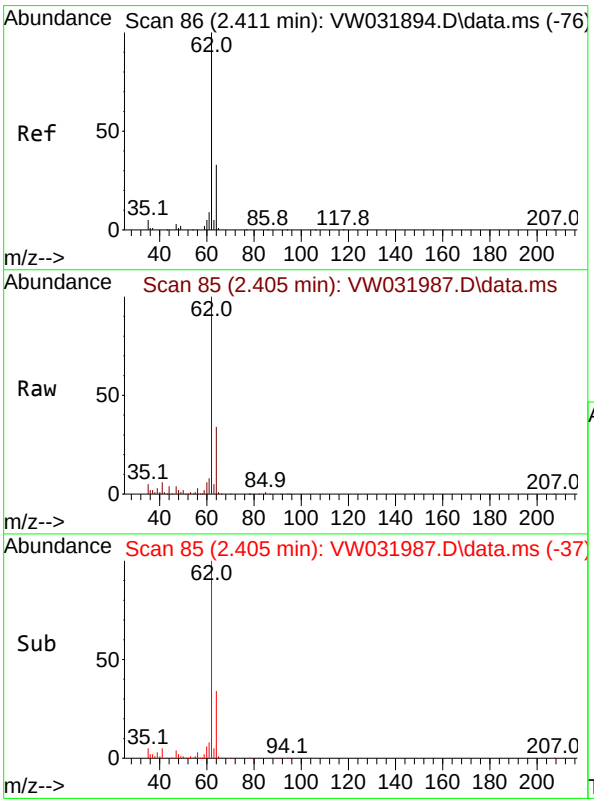
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

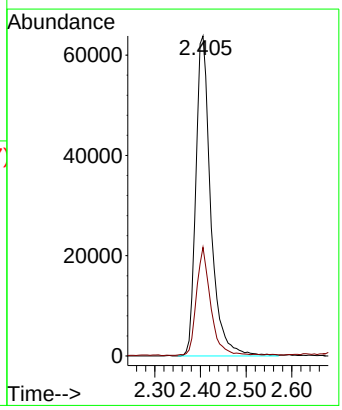
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

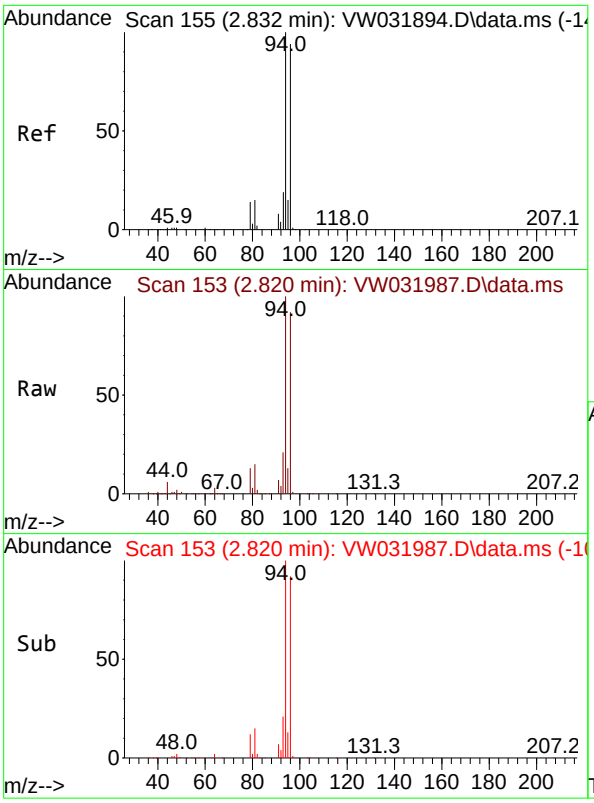


#4
Vinyl Chloride
Concen: 47.700 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 62 Resp: 144777

Ion	Ratio	Lower	Upper
62	100		
64	33.7	26.2	39.2

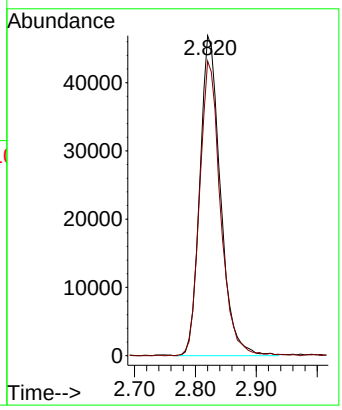




#5
Bromomethane
Concen: 49.227 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 94 Resp: 11002

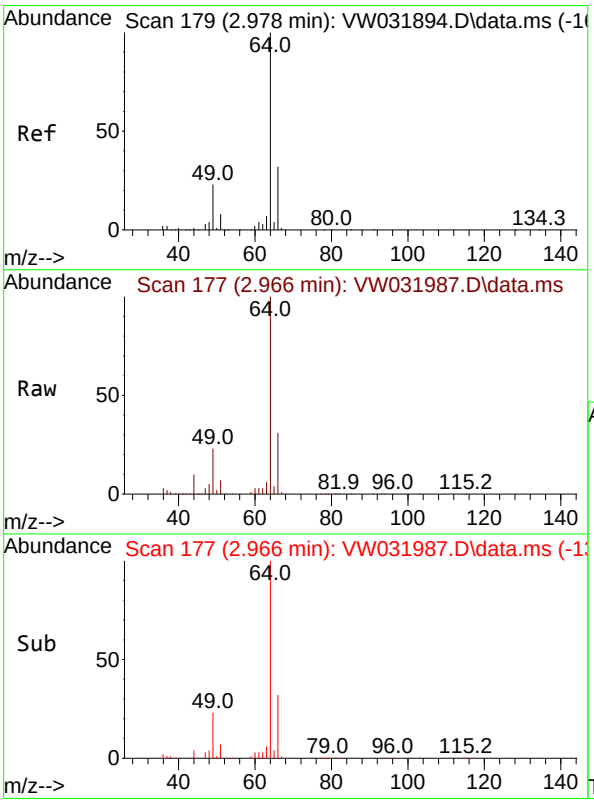
Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

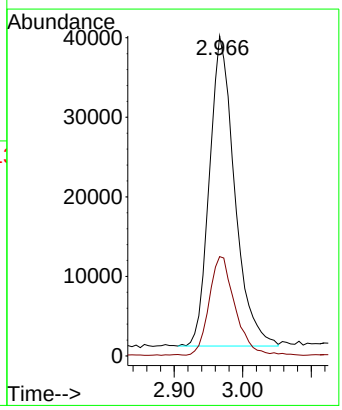
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

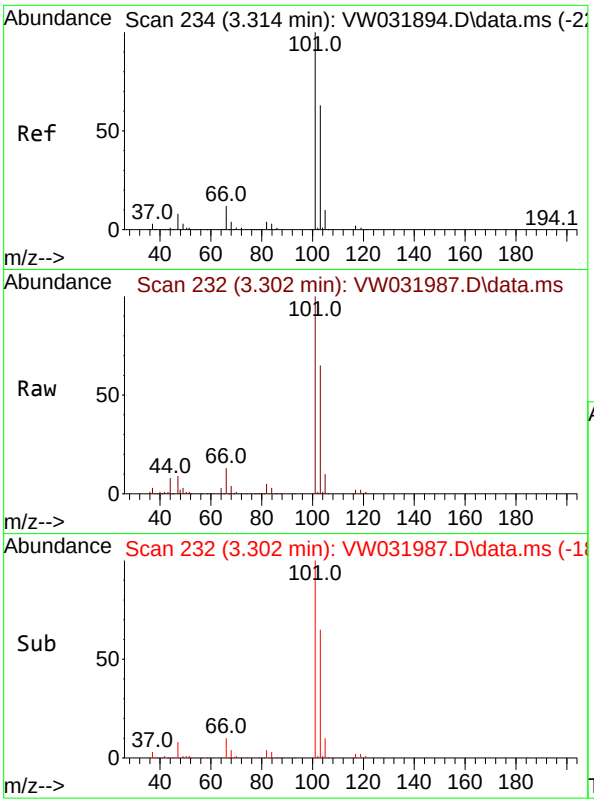


#6
Chloroethane
Concen: 49.649 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 64 Resp: 99457

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.6	38.4

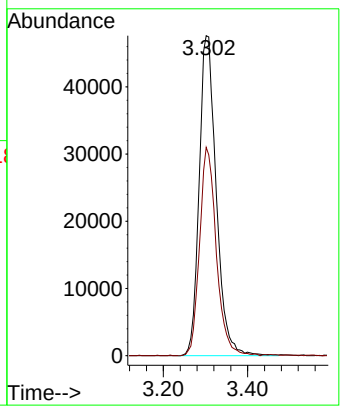




#7
Trichlorofluoromethane
Concen: 43.649 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:101 Resp: 13418

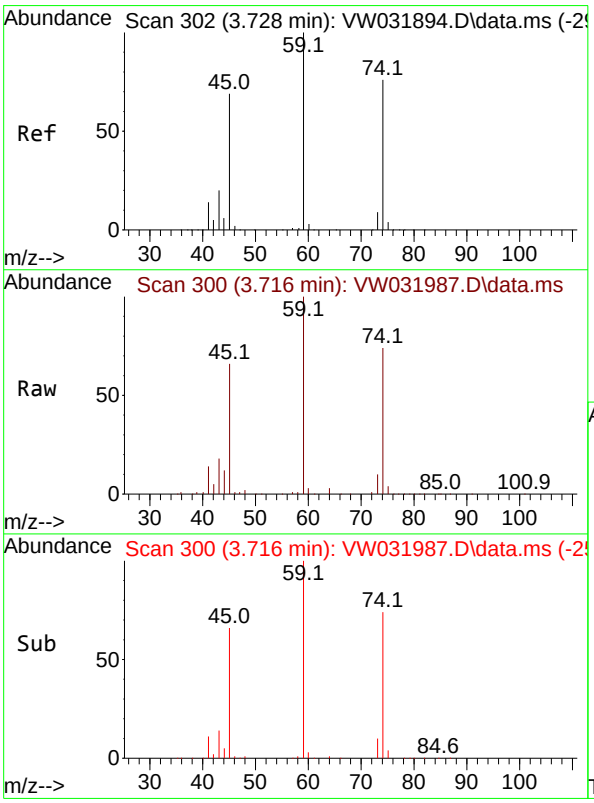
Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.7	76.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

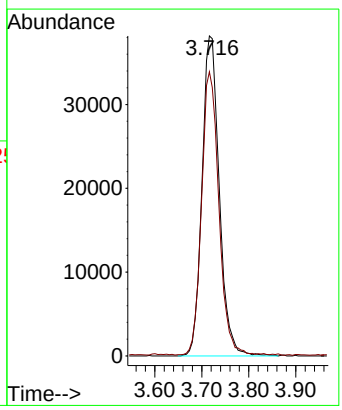
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

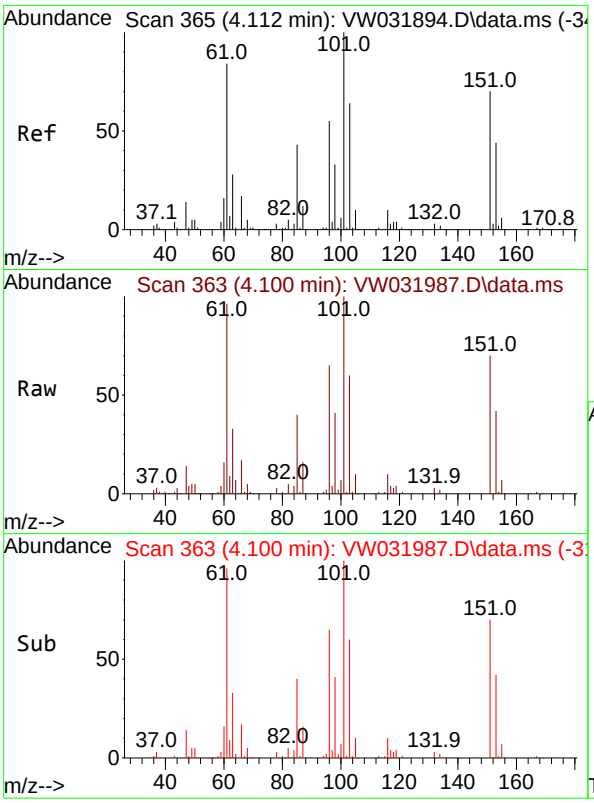


#8
Diethyl Ether
Concen: 47.301 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 74 Resp: 97132

Ion	Ratio	Lower	Upper
74	100		
45	88.3	45.5	136.5

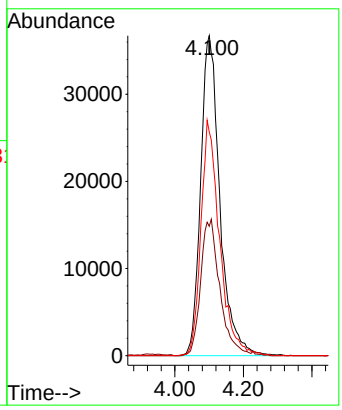




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.501 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:101 Resp: 14341

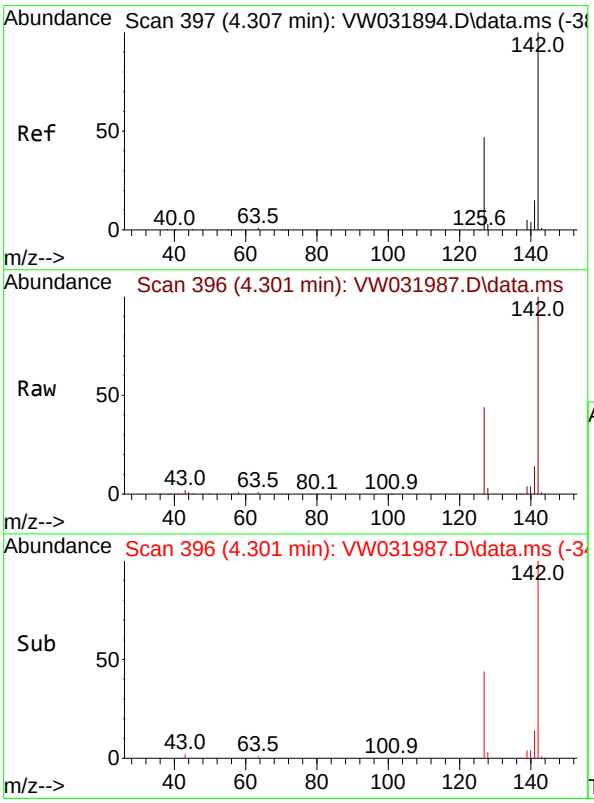
Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.5	53.3
151	71.4	54.6	81.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

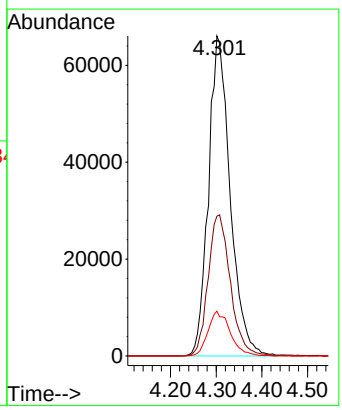
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

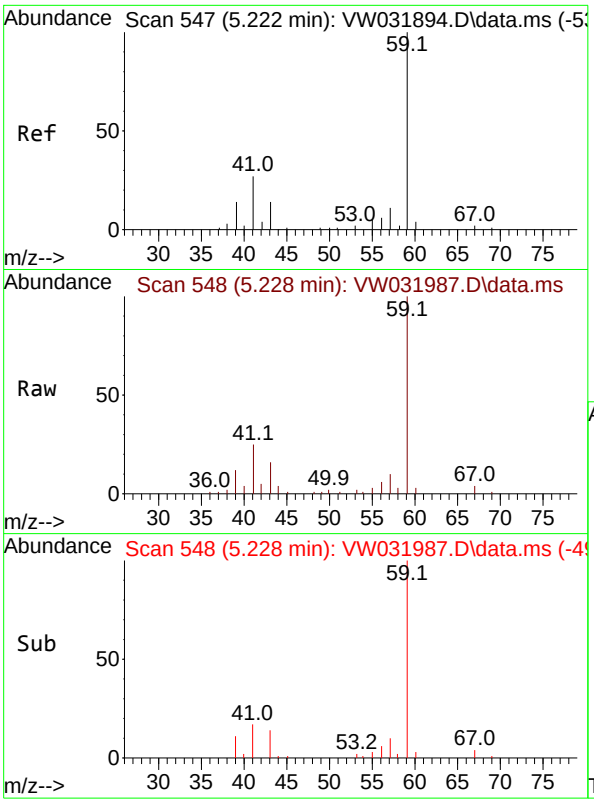


#10
Methyl Iodide
Concen: 49.340 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:142 Resp: 218134

Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.4	56.2
141	14.3	11.9	17.9

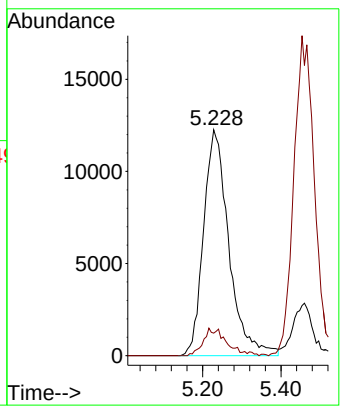




#11
Tert butyl alcohol
Concen: 252.460 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 59 Resp: 5498

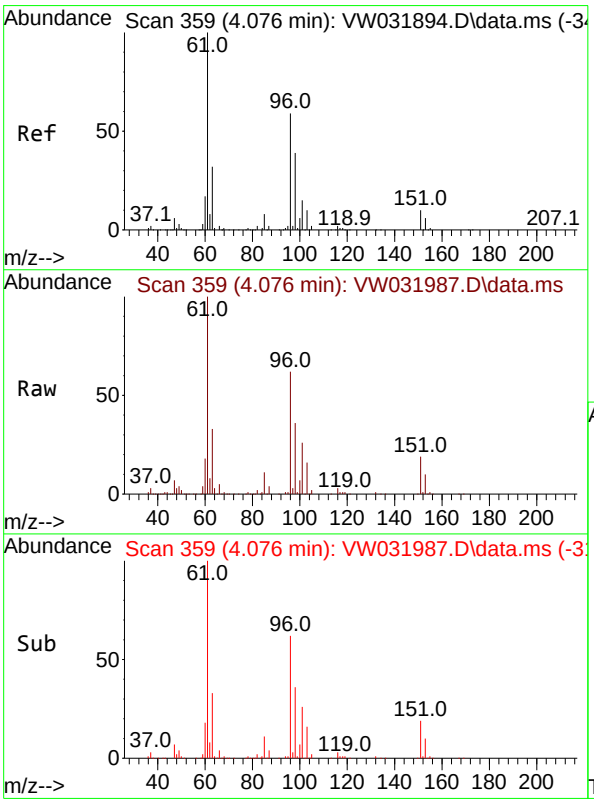
Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

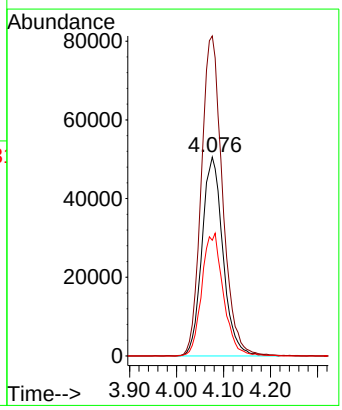
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

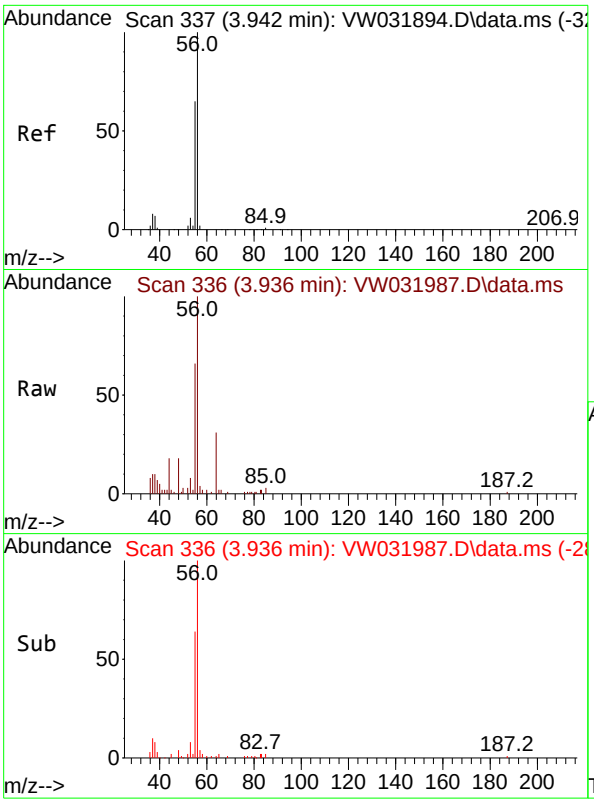


#12
1,1-Dichloroethene
Concen: 48.043 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 96 Resp: 156905

Ion	Ratio	Lower	Upper
96	100		
61	160.7	135.0	202.6
98	58.0	52.3	78.5

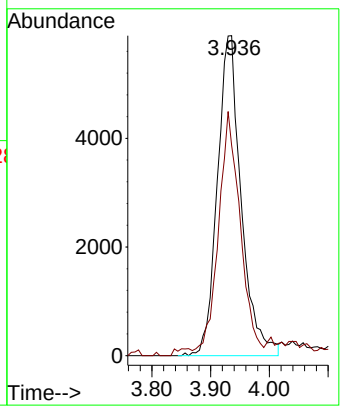




#13
Acrolein
Concen: 46.885 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 56 Resp: 1660

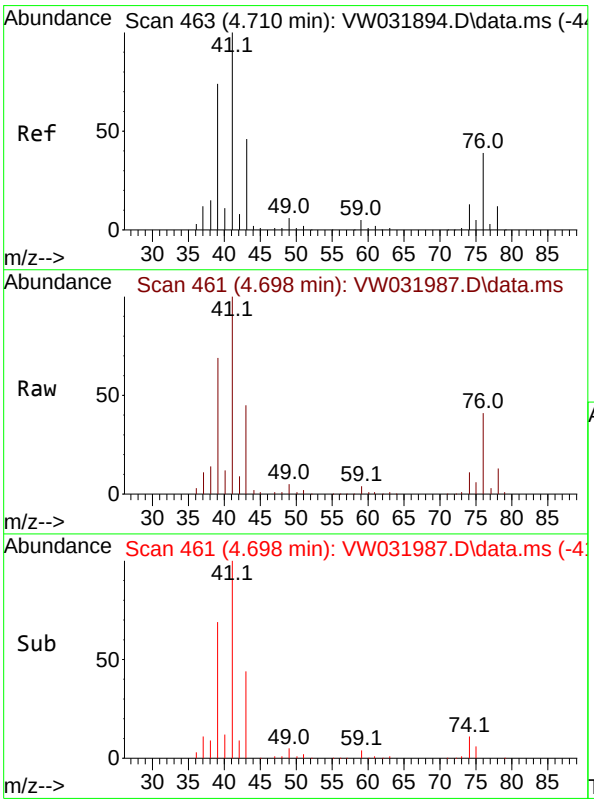
Ion	Ratio	Lower	Upper
56	100		
55	68.4	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

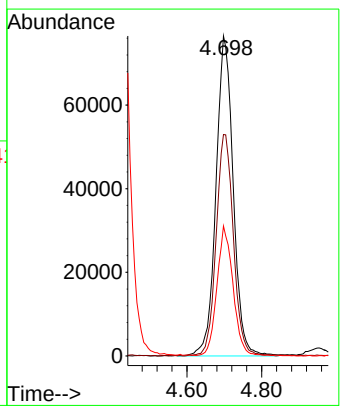
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

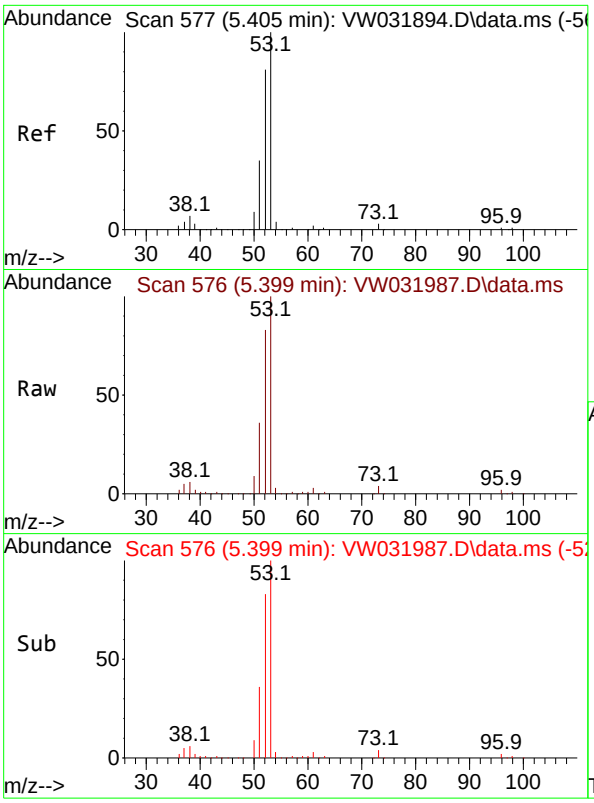


#14
Allyl chloride
Concen: 48.328 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 41 Resp: 245709

Ion	Ratio	Lower	Upper
41	100		
39	69.6	56.6	85.0
76	37.9	30.1	45.1

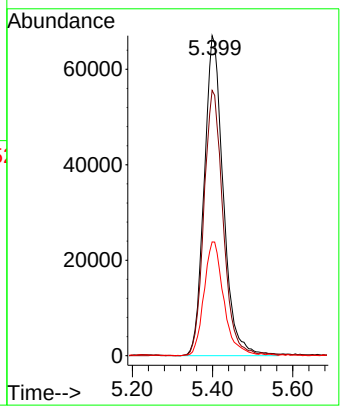




#15
Acrylonitrile
Concen: 241.666 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 53 Resp: 22186

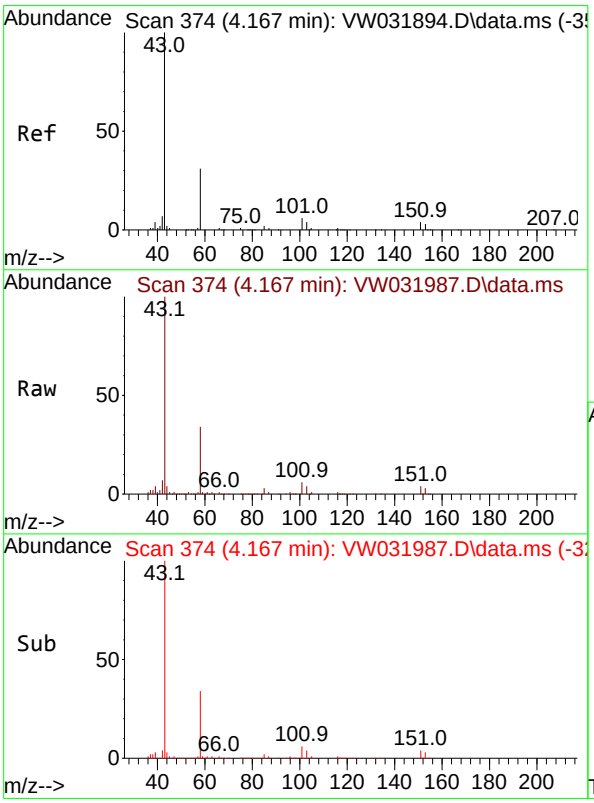
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	36.9	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

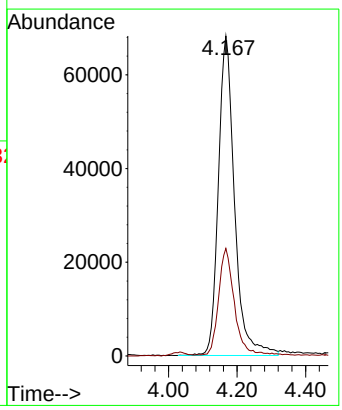
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

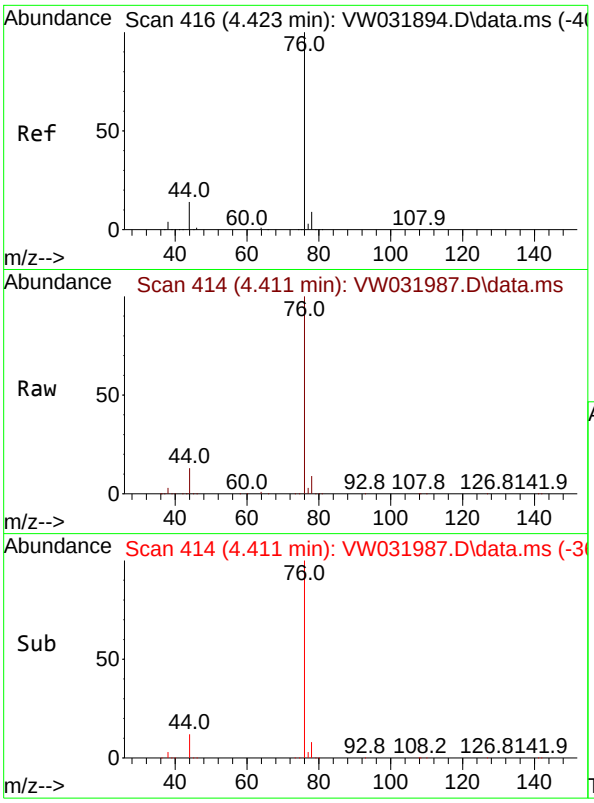


#16
Acetone
Concen: 252.797 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 222267

Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.5	38.3

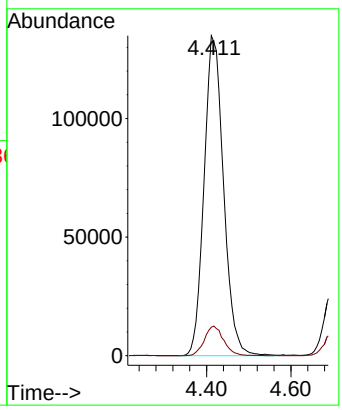




#17
Carbon Disulfide
Concen: 51.244 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 76 Resp: 43405

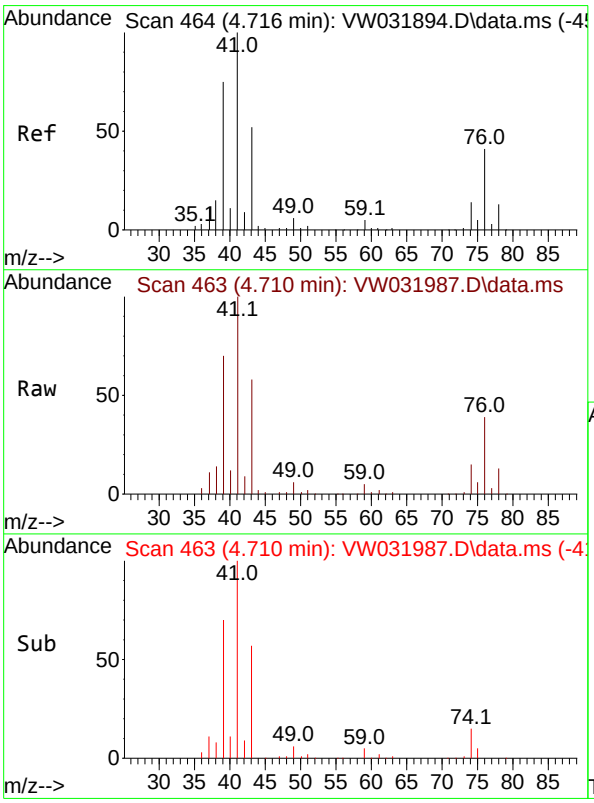
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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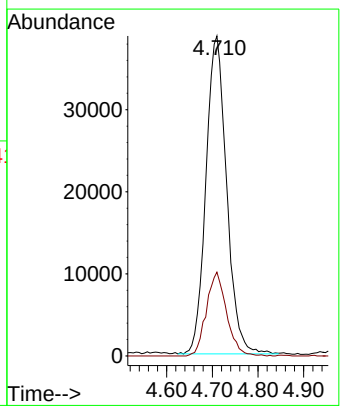
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

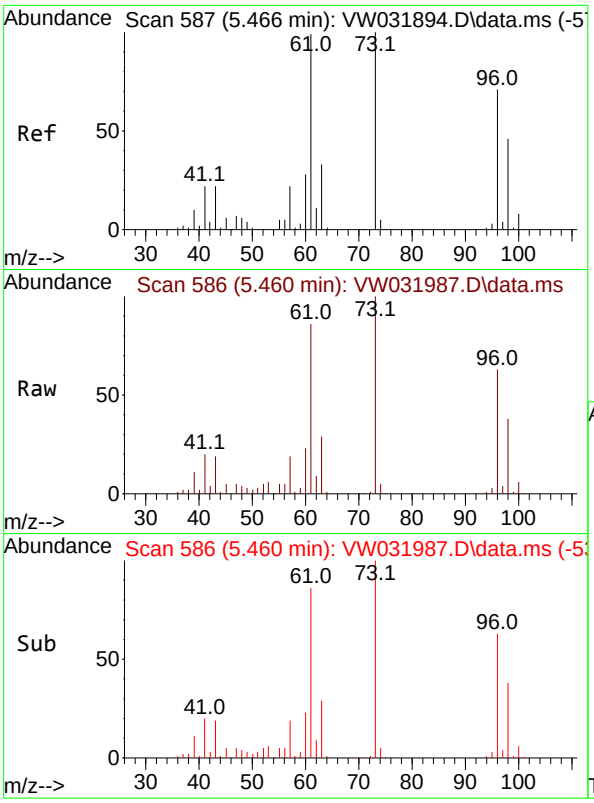


#18
Methyl Acetate
Concen: 50.222 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 121653

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.6	31.0

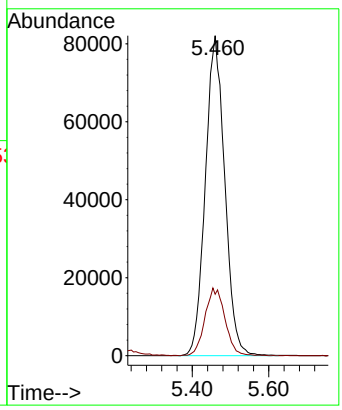




#19
Methyl tert-butyl Ether
Concen: 51.249 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 73 Resp: 28919

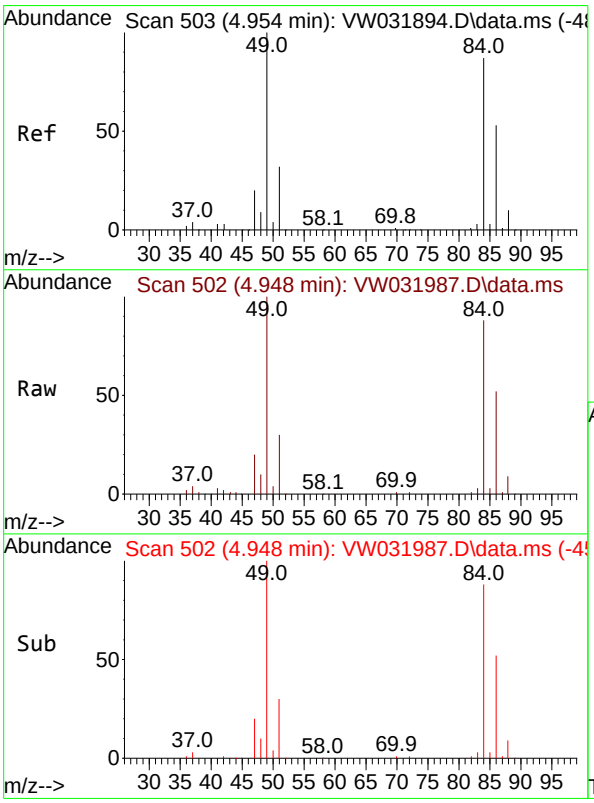
Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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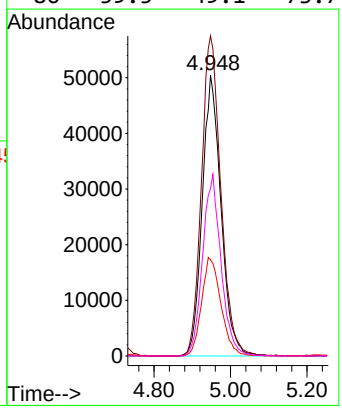
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

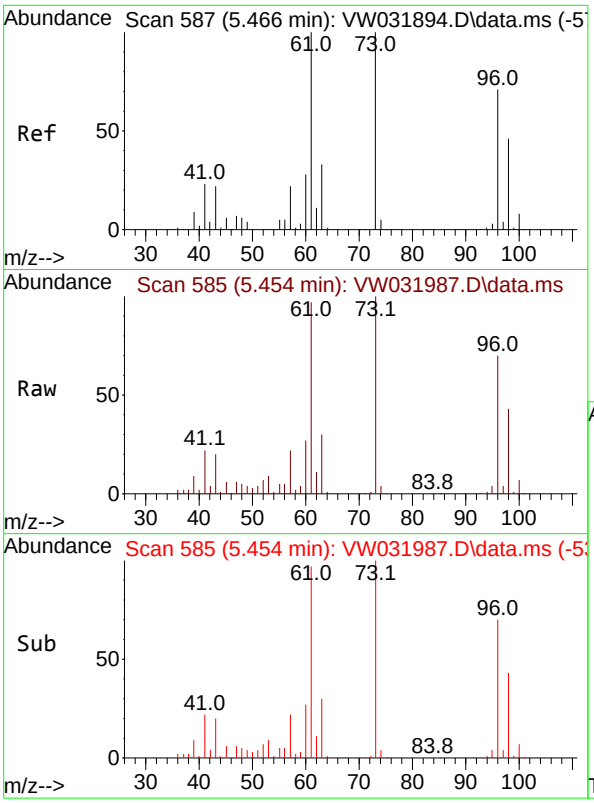


#20
Methylene Chloride
Concen: 45.265 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 84 Resp: 171869

Ion	Ratio	Lower	Upper
84	100		
49	113.9	91.9	137.9
51	34.2	29.0	43.6
86	59.5	49.1	73.7

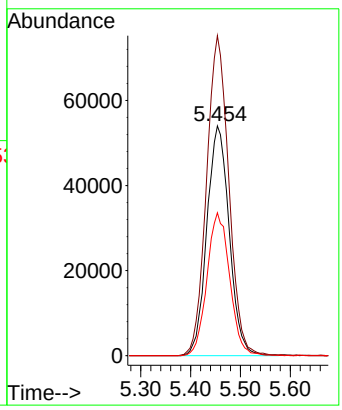




#21
trans-1,2-Dichloroethene
Concen: 48.582 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 96 Resp: 16834

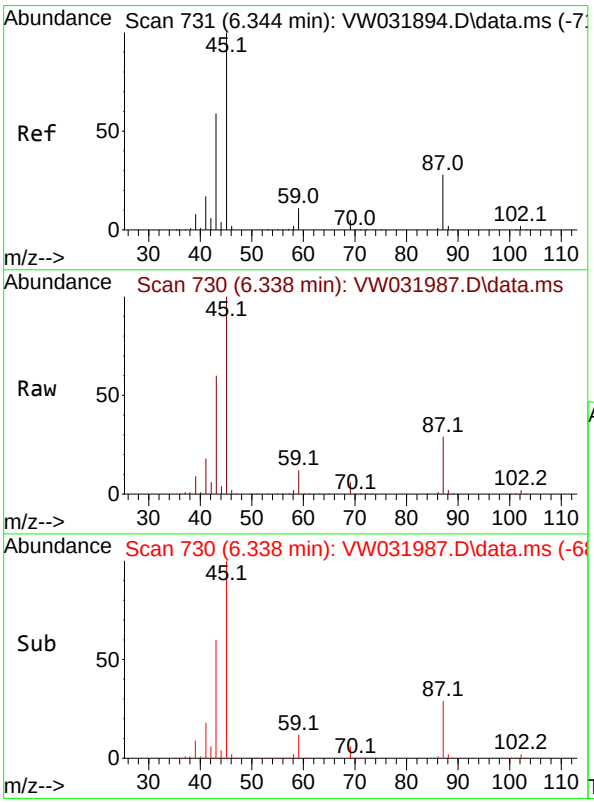
Ion	Ratio	Lower	Upper
96	100		
61	139.3	112.8	169.2
98	62.2	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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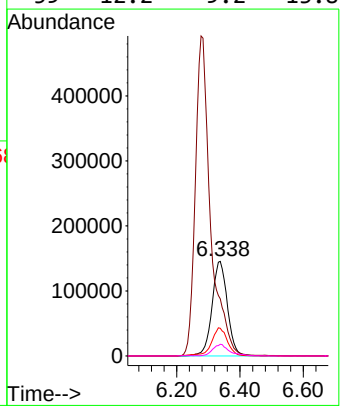
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

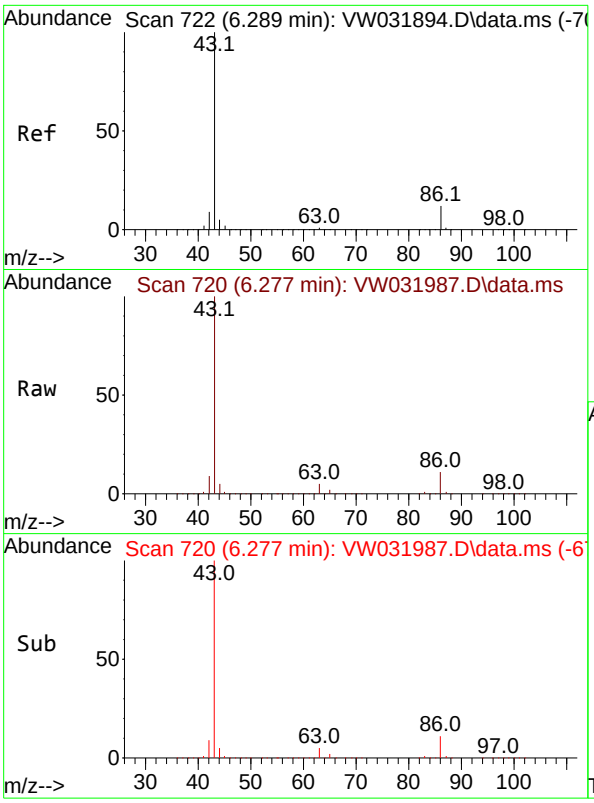


#22
Diisopropyl ether
Concen: 48.308 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 45 Resp: 491457

Ion	Ratio	Lower	Upper
45	100		
43	60.4	47.0	70.6
87	29.3	22.8	34.2
59	12.2	9.2	13.8





#23
Vinyl Acetate
Concen: 247.825 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

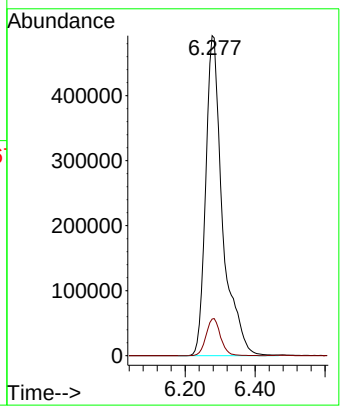
Tgt Ion: 43 Resp: 164715

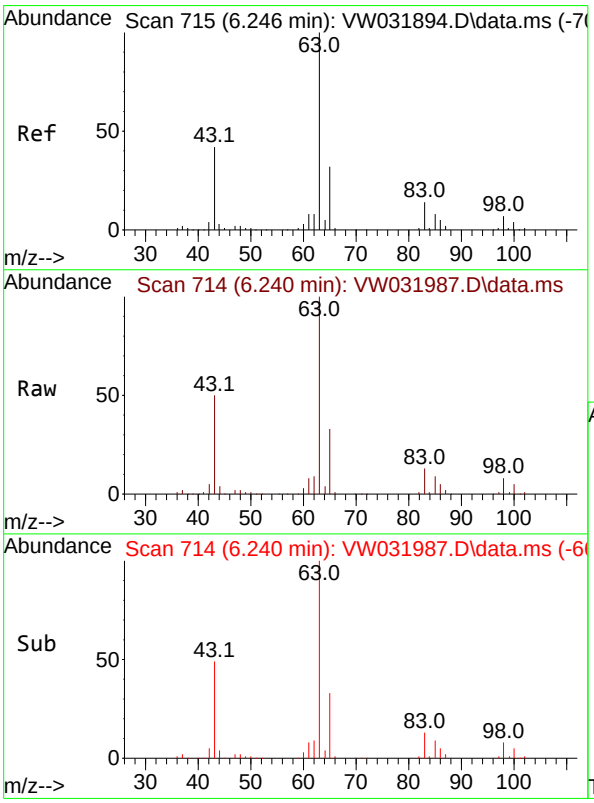
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

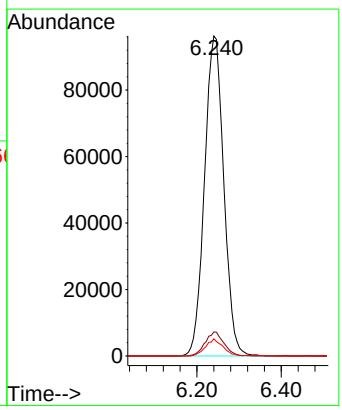


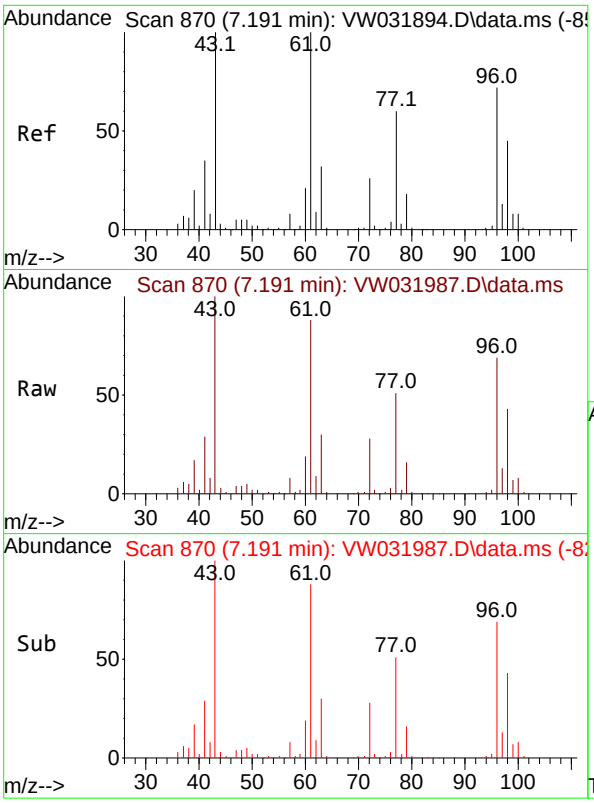


#24
1,1-Dichloroethane
Concen: 48.284 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 63 Resp: 305835

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.9
100	5.3	2.2	6.6





#25
2-Butanone
Concen: 247.094 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

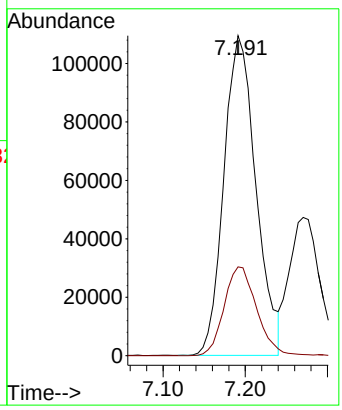
Tgt Ion: 43 Resp: 29725

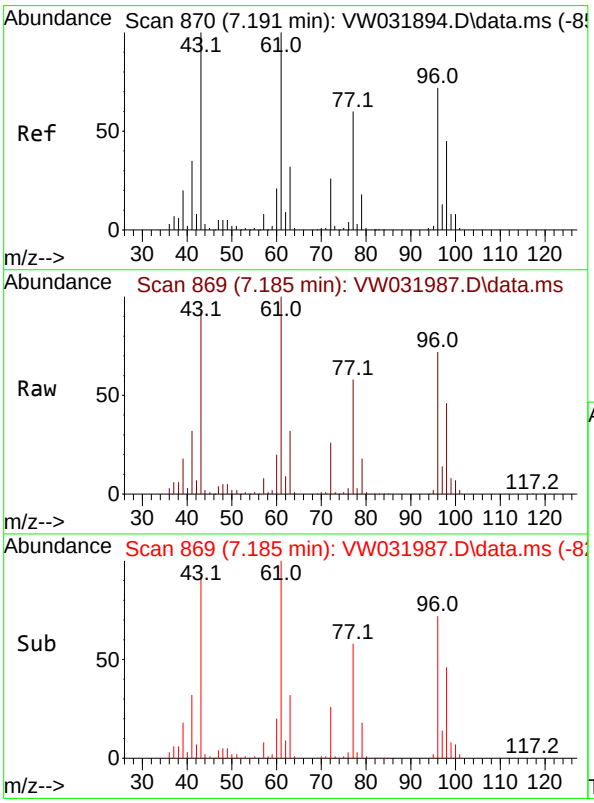
Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

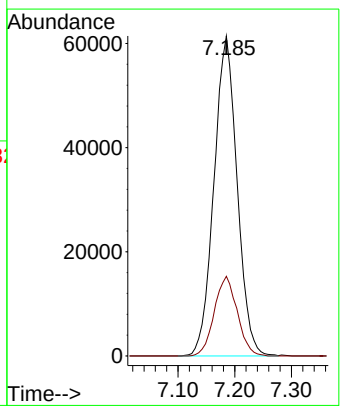


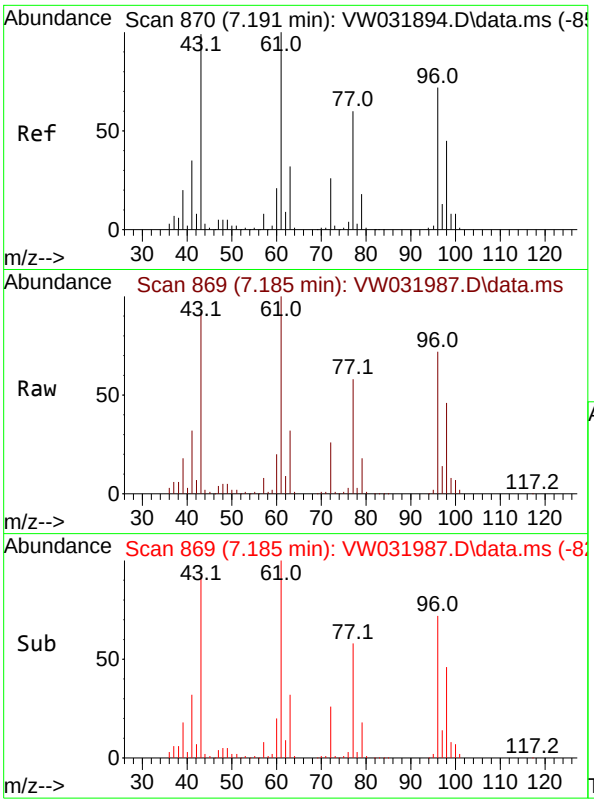


#26
2,2-Dichloropropane
Concen: 48.611 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 77 Resp: 174317

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 48.978 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

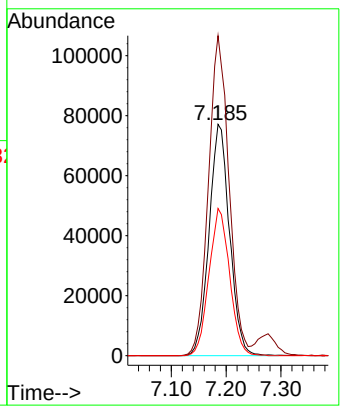
Tgt Ion: 96 Resp: 19952

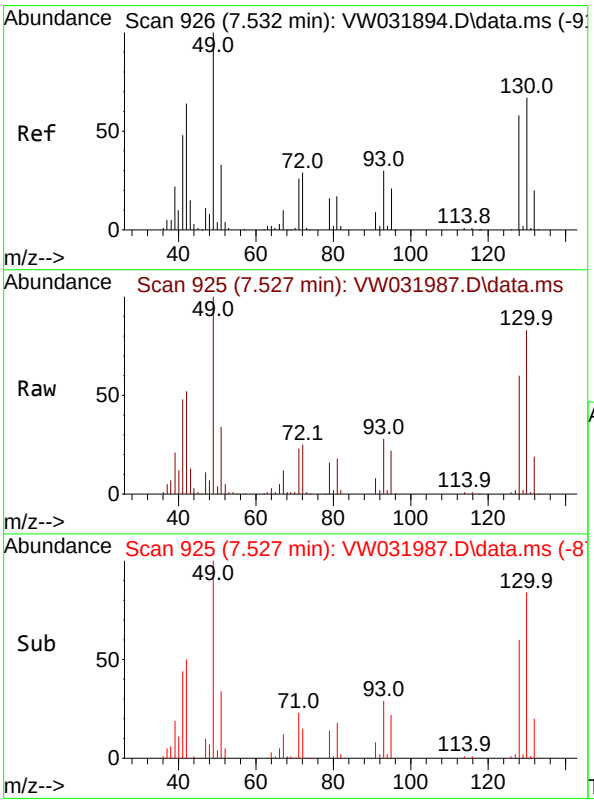
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	280.2
98	64.3	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

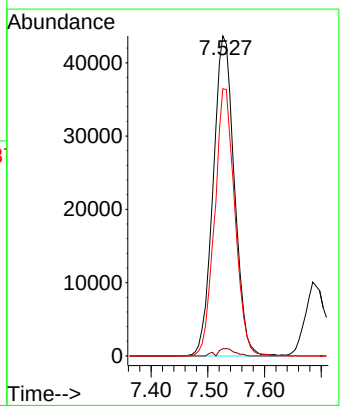


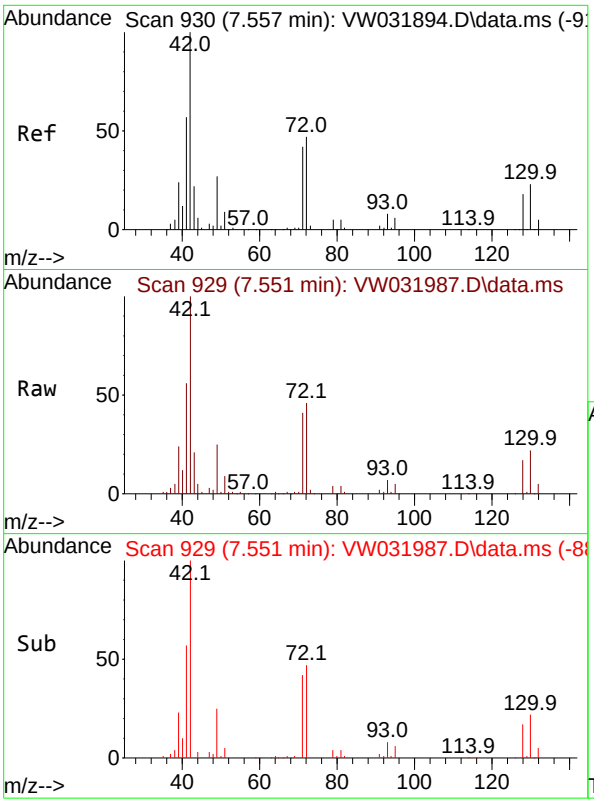


#28
Bromochloromethane
Concen: 42.729 ug/l
RT: 7.527 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 49 Resp: 113318

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	79.6	59.0	88.4





#29
Tetrahydrofuran
Concen: 243.457 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

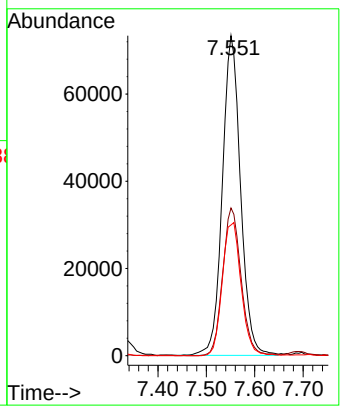
Tgt Ion: 42 Resp: 19201

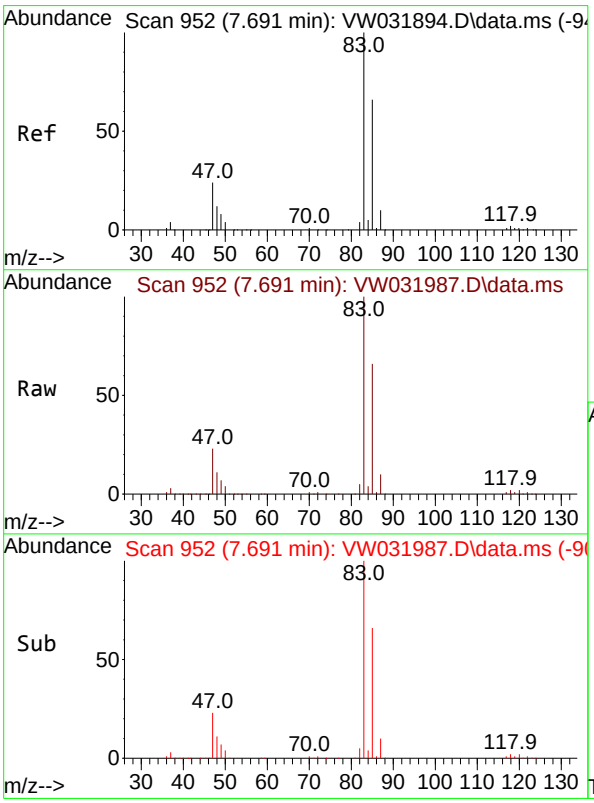
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.6
71	43.2	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

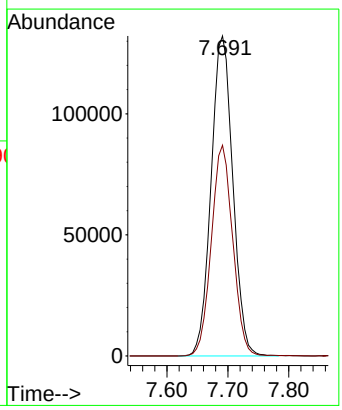


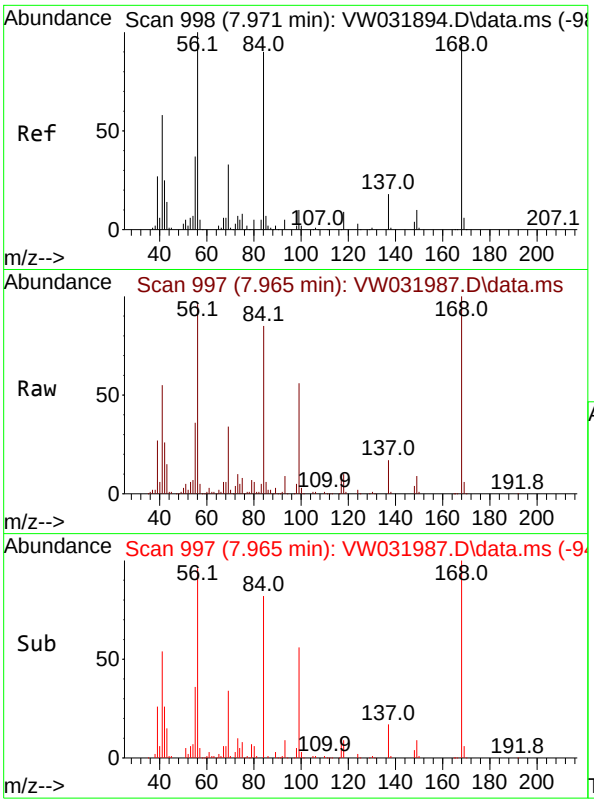


#30
Chloroform
Concen: 49.247 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 83 Resp: 327064

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8

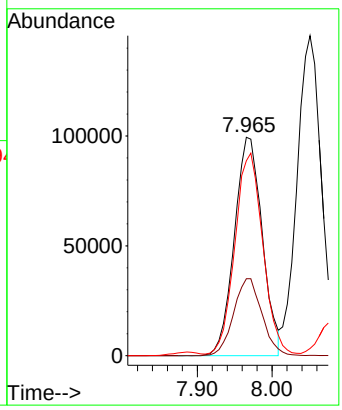




#31
Cyclohexane
Concen: 45.408 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 56 Resp: 25803

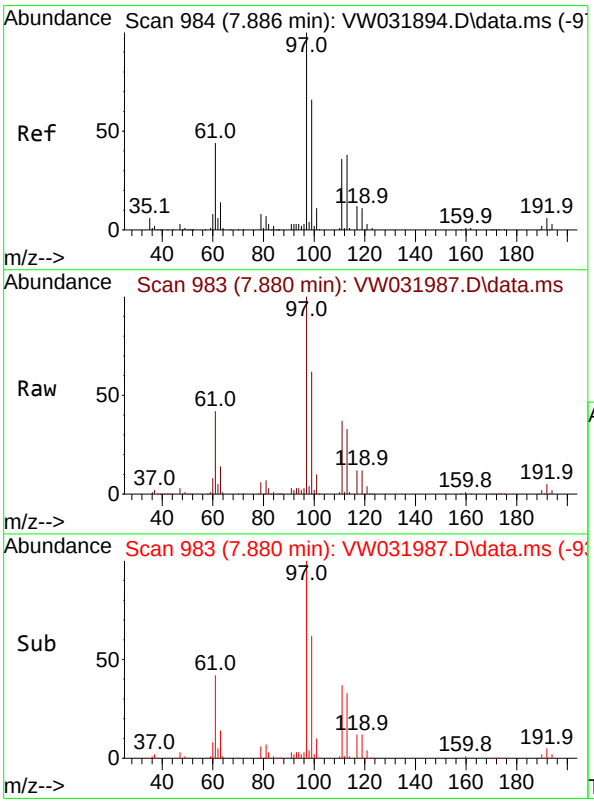
Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.7	40.1
84	87.9	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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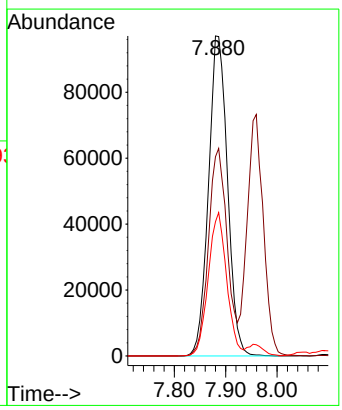
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

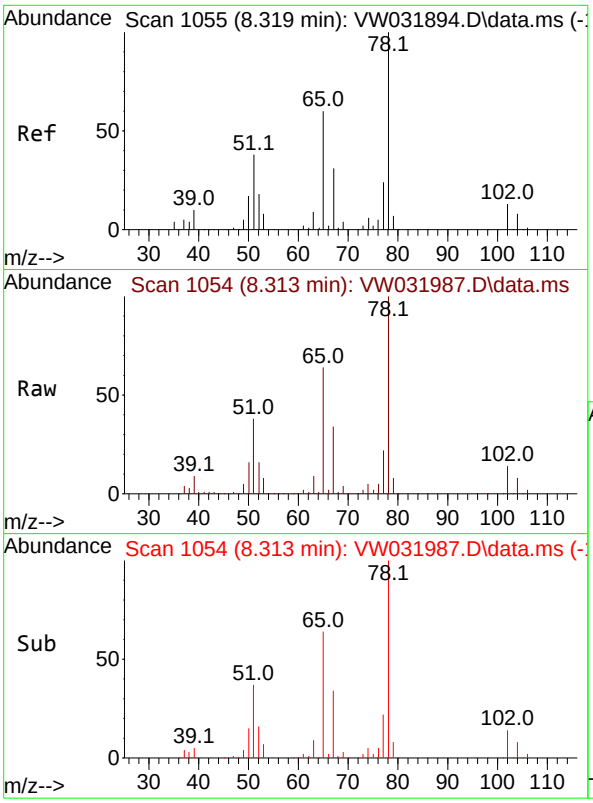


#32
1,1,1-Trichloroethane
Concen: 49.272 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 97 Resp: 249005

Ion	Ratio	Lower	Upper
97	100		
99	64.2	53.0	79.4
61	43.8	35.4	53.0

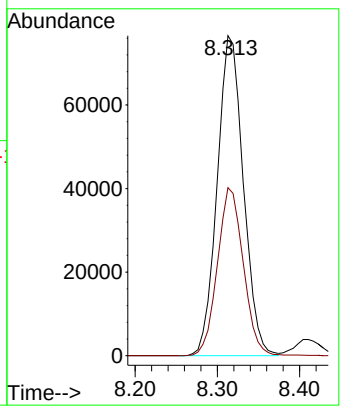




#33
1,2-Dichloroethane-d4
Concen: 45.708 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 65 Resp: 16935

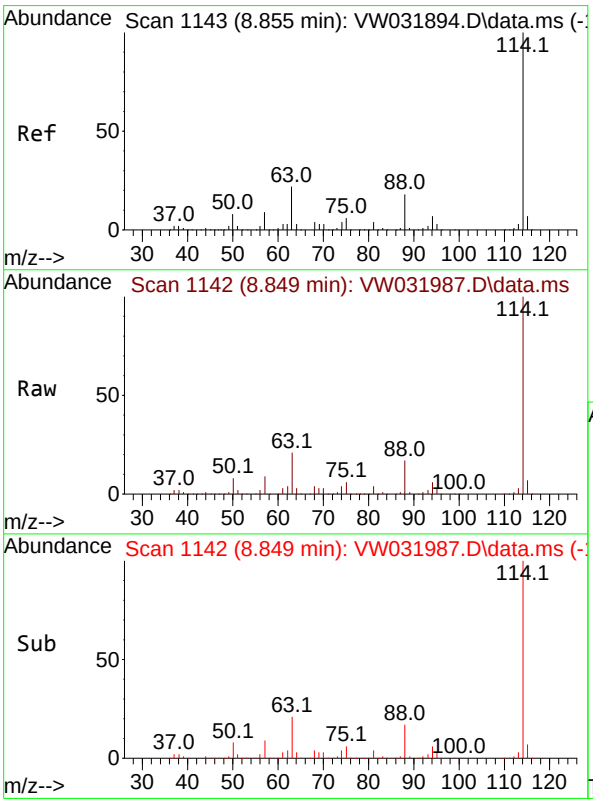
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	101.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

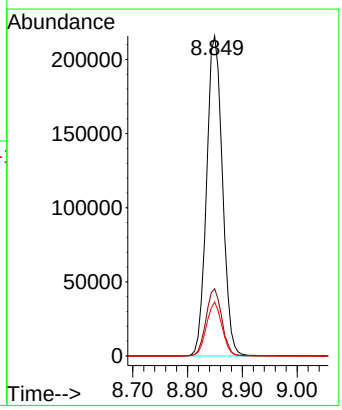
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

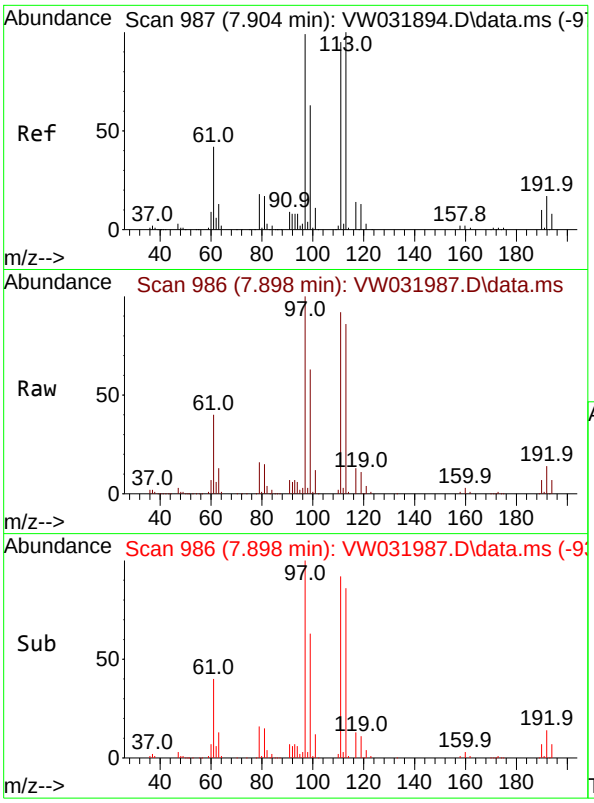


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:114 Resp: 432425

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	16.9	0.0	35.6

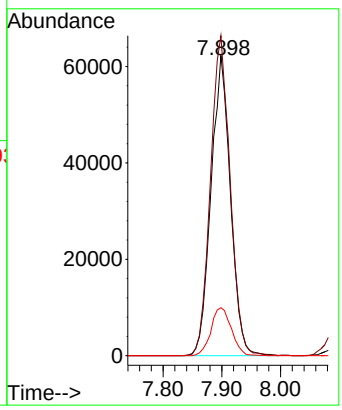




#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:113 Resp: 14273

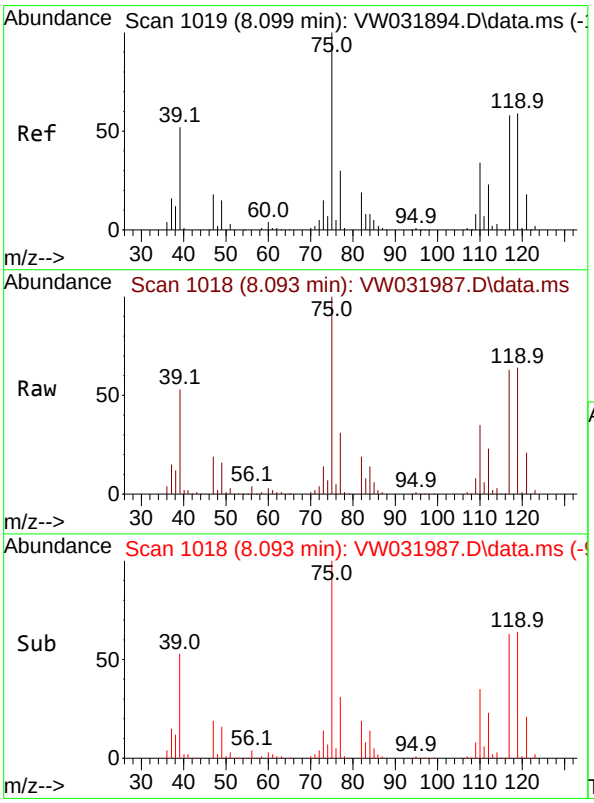
Ion	Ratio	Lower	Upper
113	100		
111	108.2	79.9	119.9
192	16.8	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

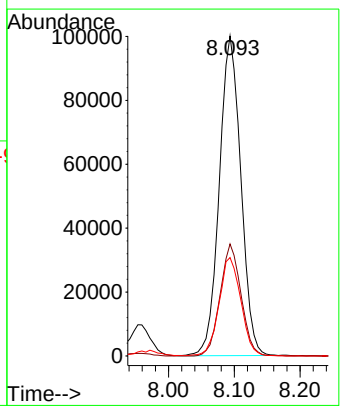
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

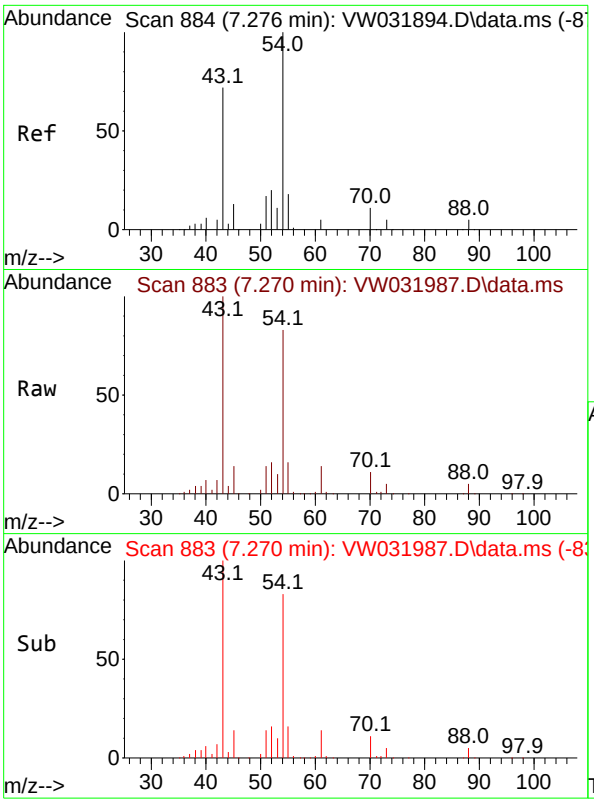


#36
1,1-Dichloropropene
Concen: 50.527 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 228003

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	31.3	25.1	37.7





#37
Ethyl Acetate
Concen: 48.529 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

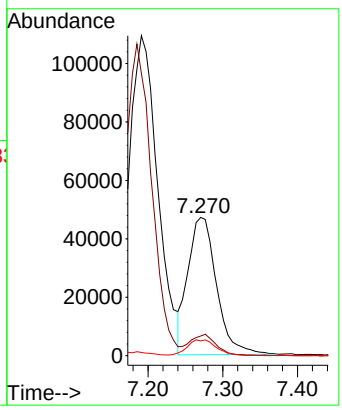
Tgt Ion: 43 Resp: 12492

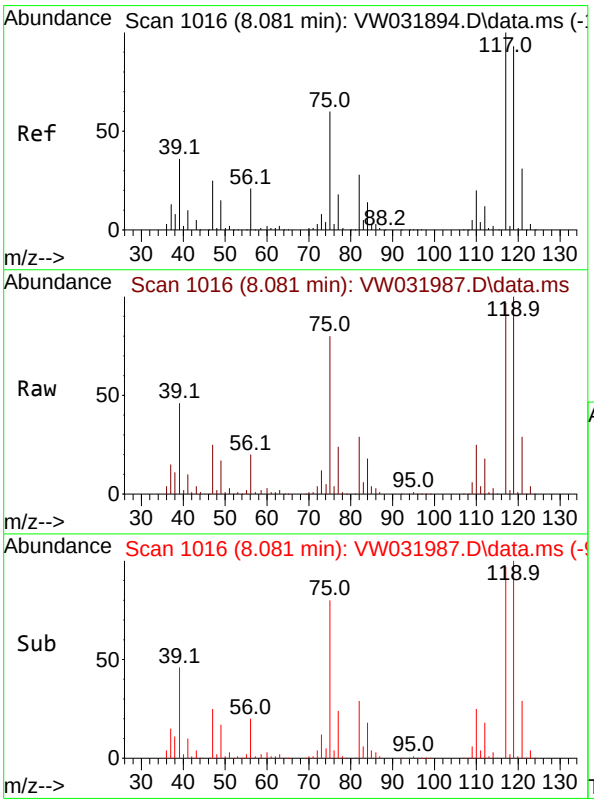
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	11.3	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

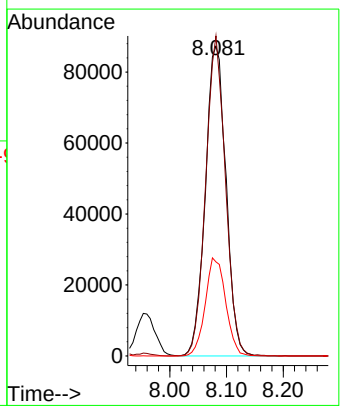


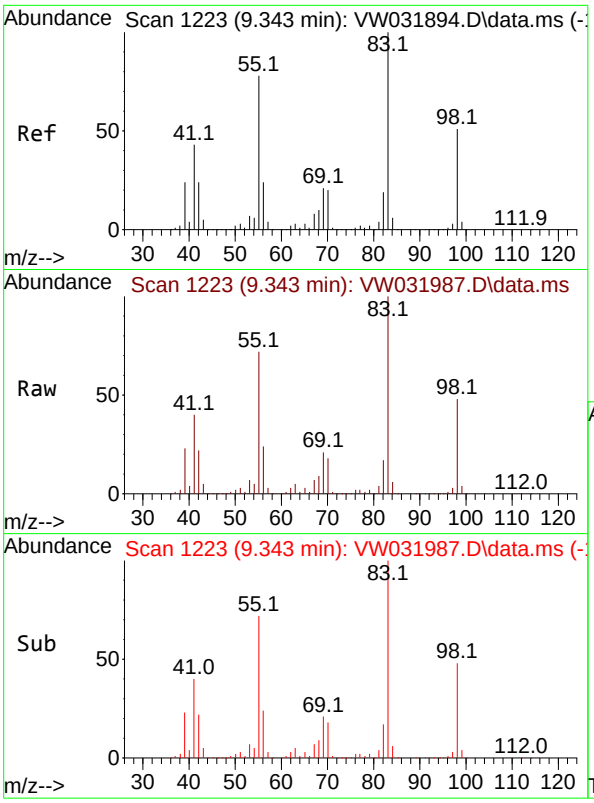


#38
Carbon Tetrachloride
Concen: 51.041 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:117 Resp: 221044

Ion	Ratio	Lower	Upper
117	100		
119	103.3	74.3	111.5
121	30.4	24.6	37.0





#39
Methylcyclohexane
Concen: 51.613 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

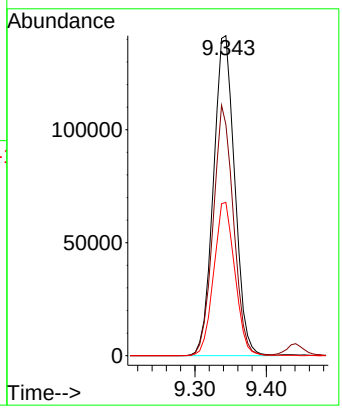
Tgt Ion: 83 Resp: 29310

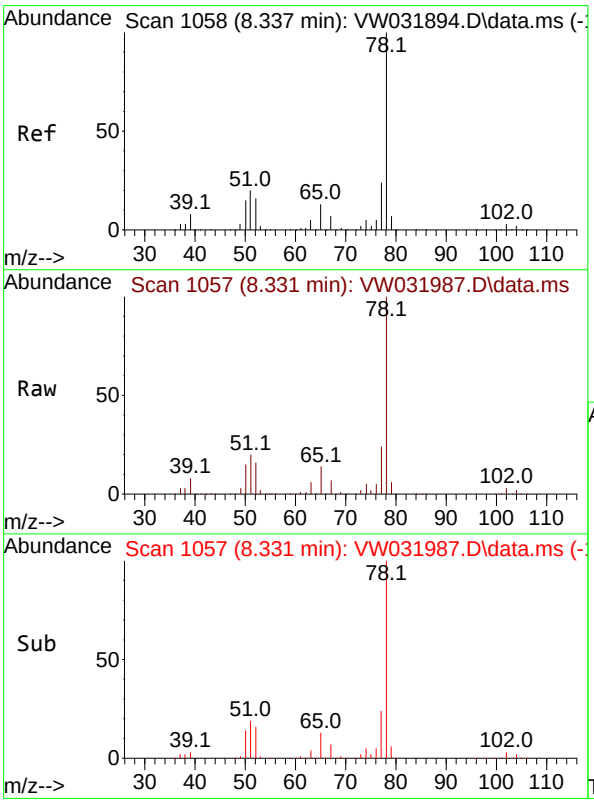
Ion	Ratio	Lower	Upper
83	100		
55	72.3	62.5	93.7
98	47.9	40.6	61.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

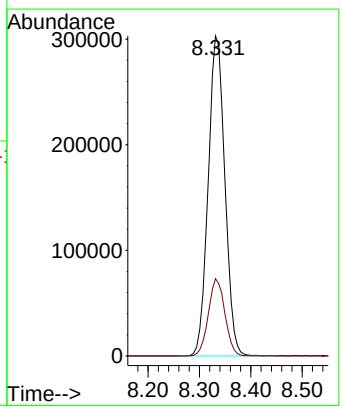


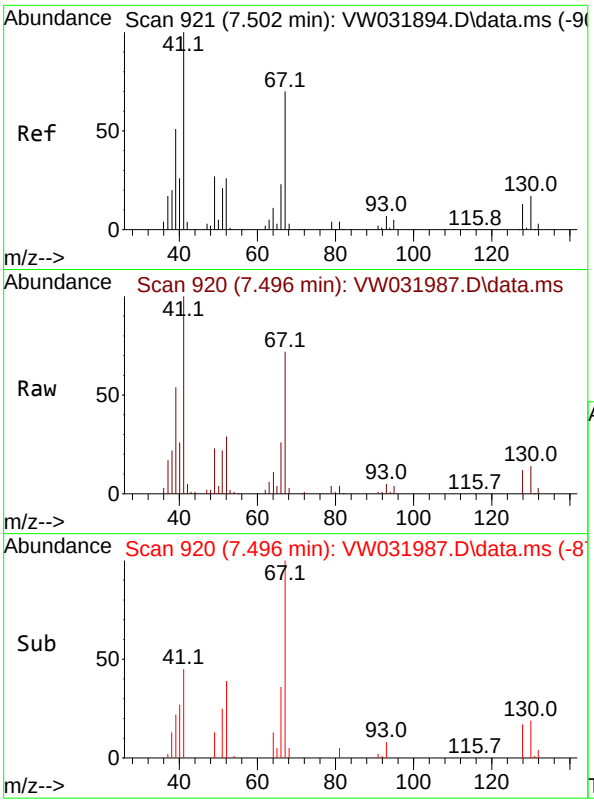


#40
Benzene
Concen: 51.223 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 78 Resp: 684237

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

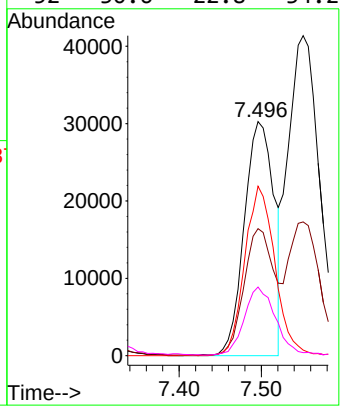




#41
Methacrylonitrile
Concen: 49.512 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 41 Resp: 7629

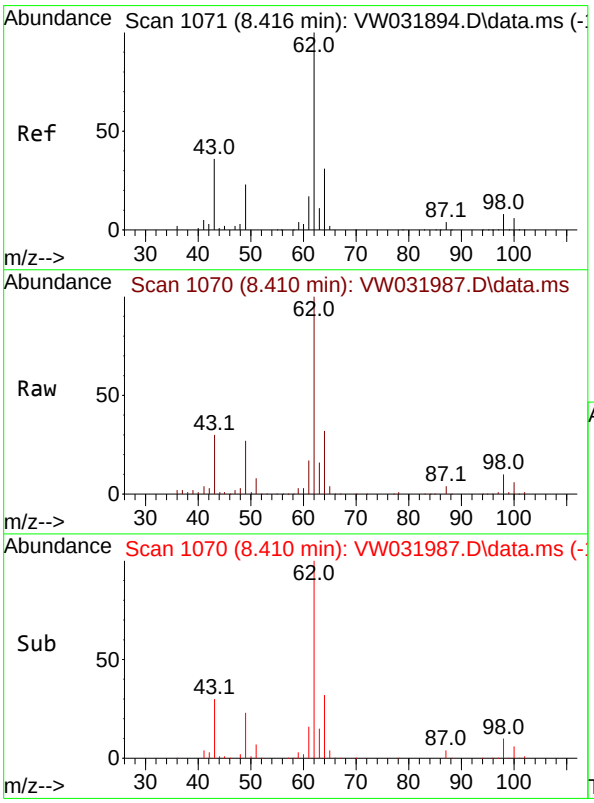
Ion	Ratio	Lower	Upper
41	100		
39	58.2	41.1	61.7
67	73.4	56.2	84.4
52	30.6	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

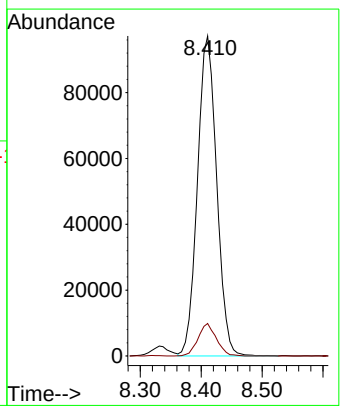
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

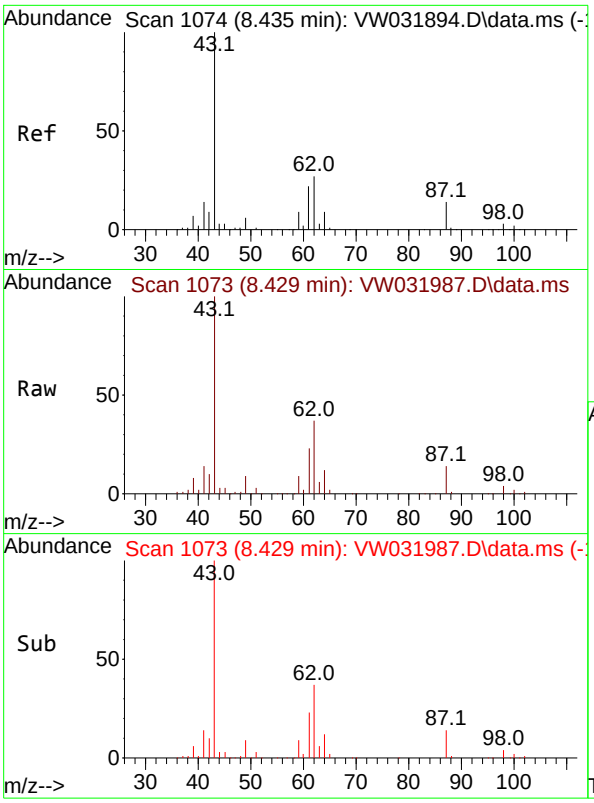


#42
1,2-Dichloroethane
Concen: 49.822 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 62 Resp: 212996

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

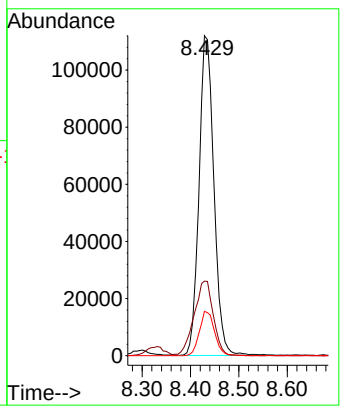




#43
Isopropyl Acetate
Concen: 51.403 ug/l
RT: 8.429 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 23954

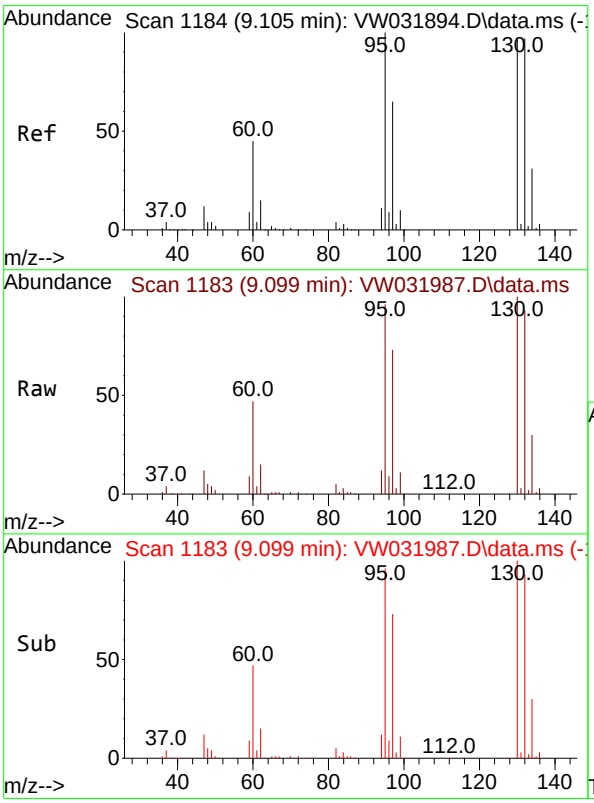
Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	14.1	11.1	16.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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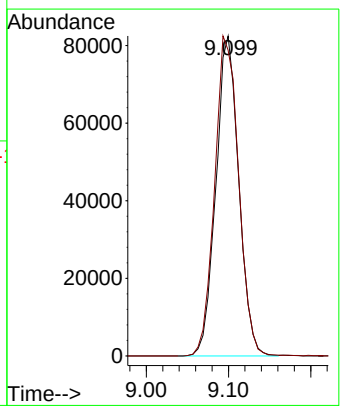
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

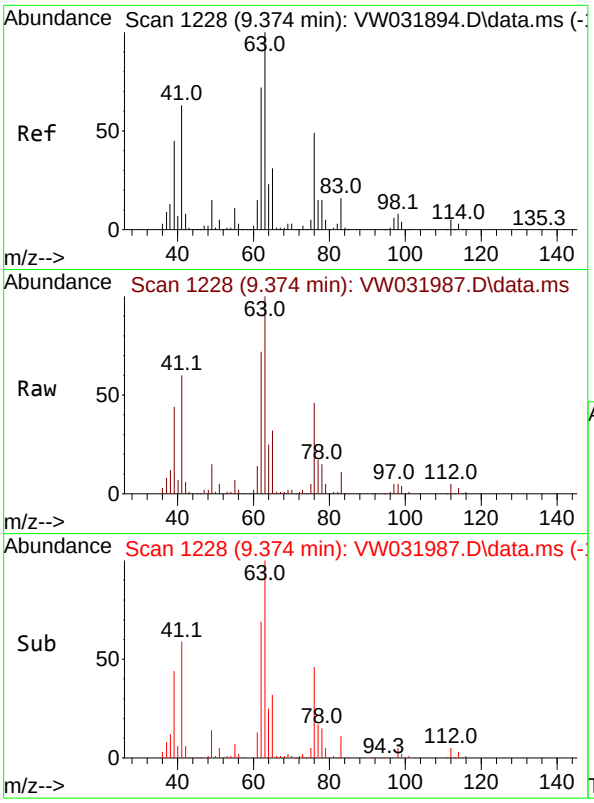


#44
Trichloroethene
Concen: 50.248 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:130 Resp: 159542

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	206.4

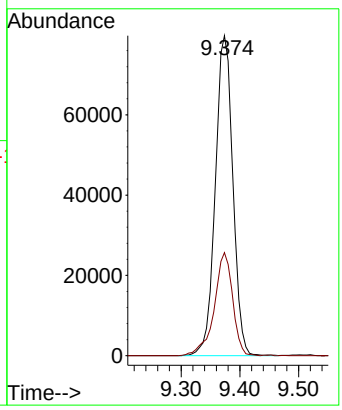




#45
1,2-Dichloropropane
Concen: 51.362 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 63 Resp: 16523

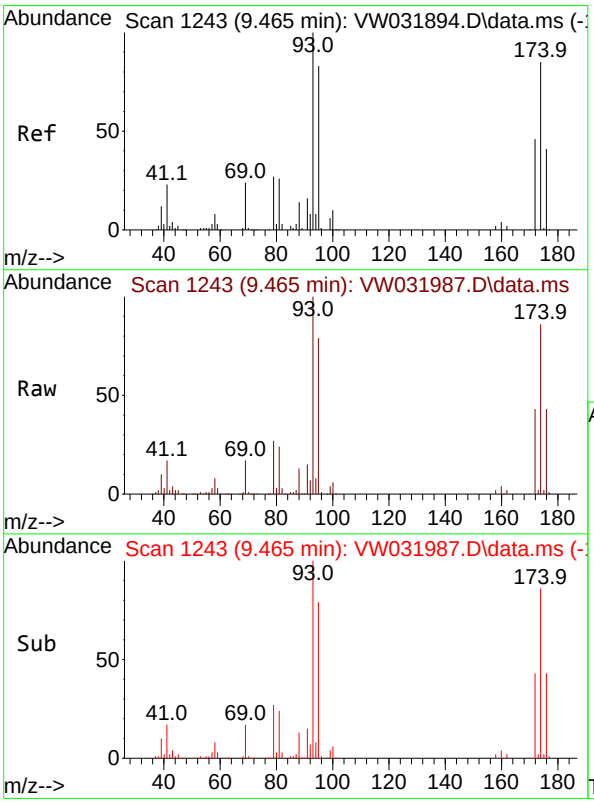
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

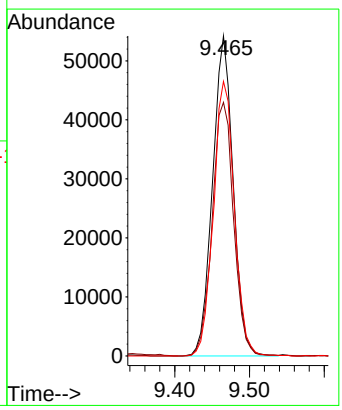
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

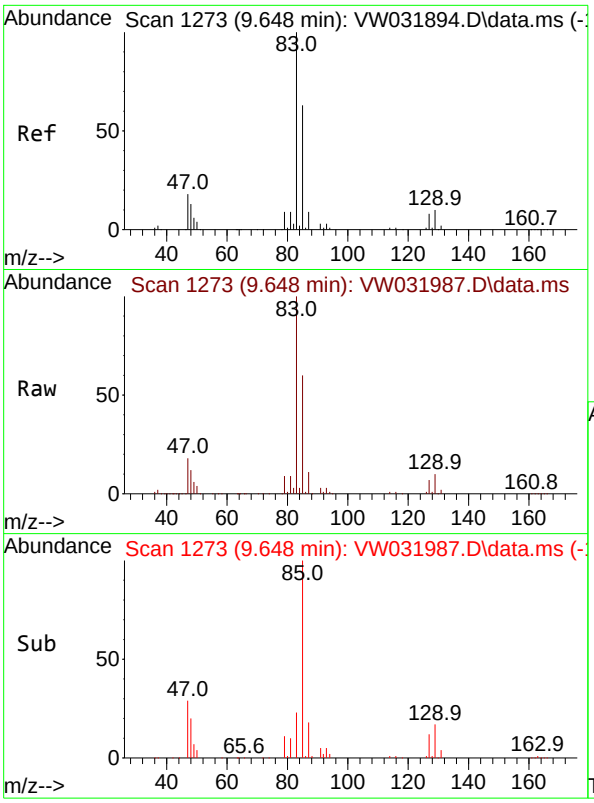


#46
Dibromomethane
Concen: 52.012 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 93 Resp: 103723

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.6
174	87.5	70.2	105.2

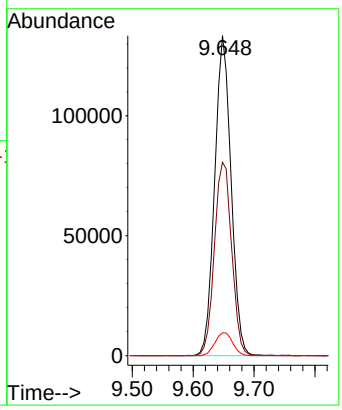




#47
Bromodichloromethane
Concen: 52.128 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 83 Resp: 24927

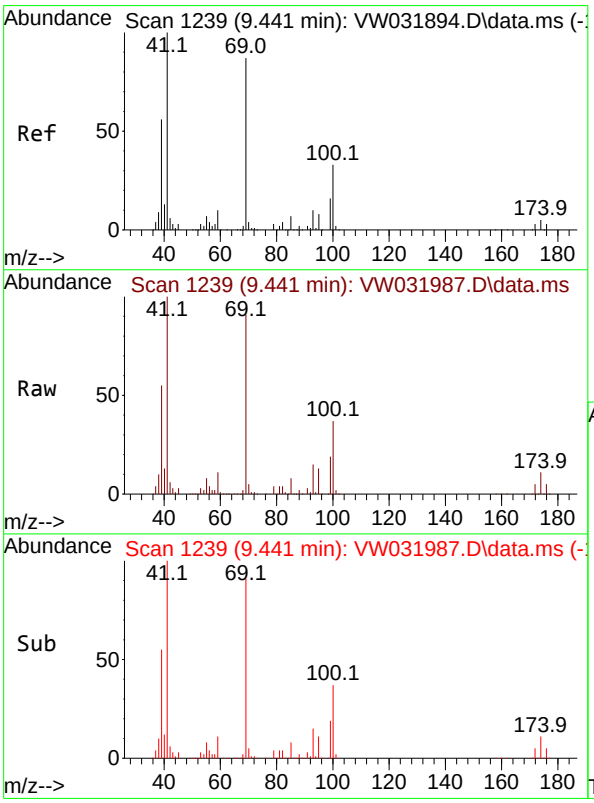
Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.6	76.0
127	7.2	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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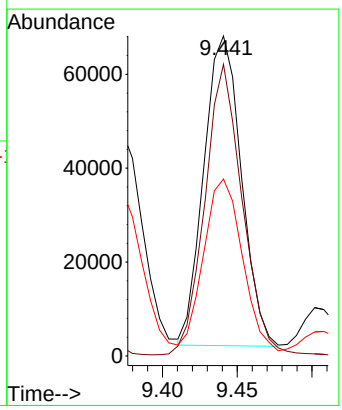
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

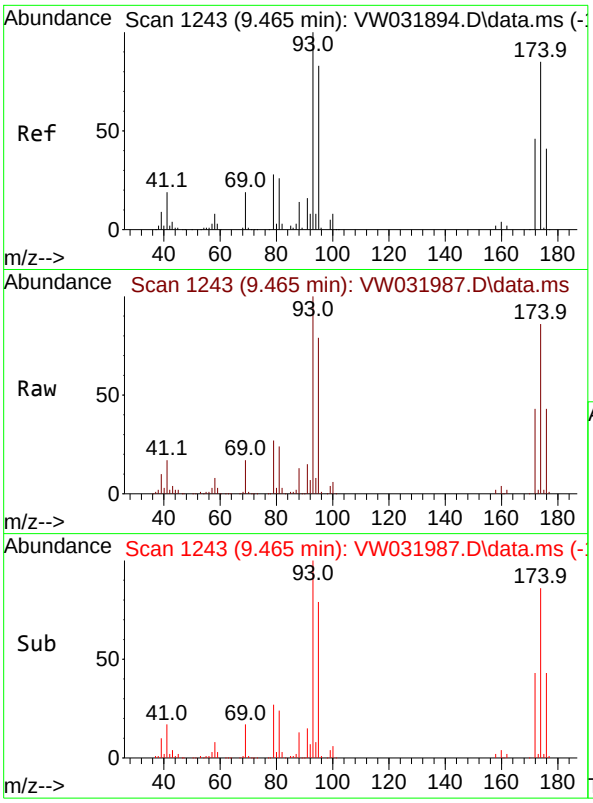


#48
Methyl methacrylate
Concen: 51.905 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 41 Resp: 115079

Ion	Ratio	Lower	Upper
41	100		
69	94.1	73.6	110.4
39	56.6	45.5	68.3

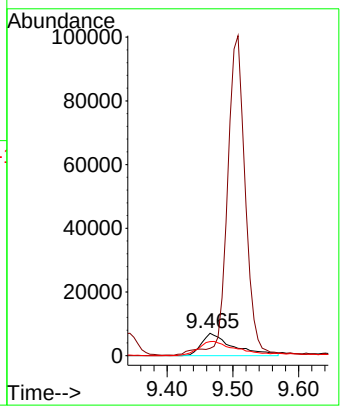




#49
1,4-Dioxane
Concen: 1170.411 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 88 Resp: 2329

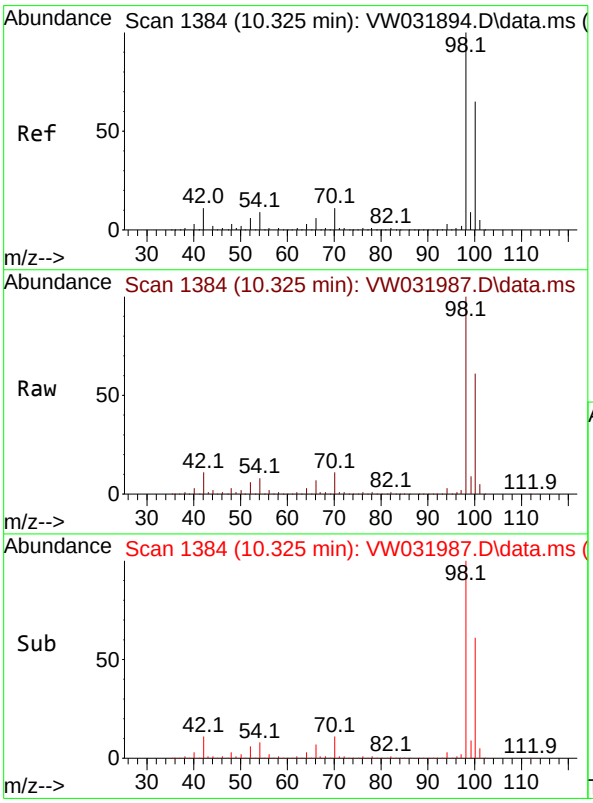
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	75.9	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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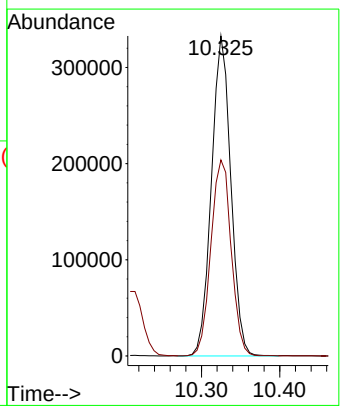
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

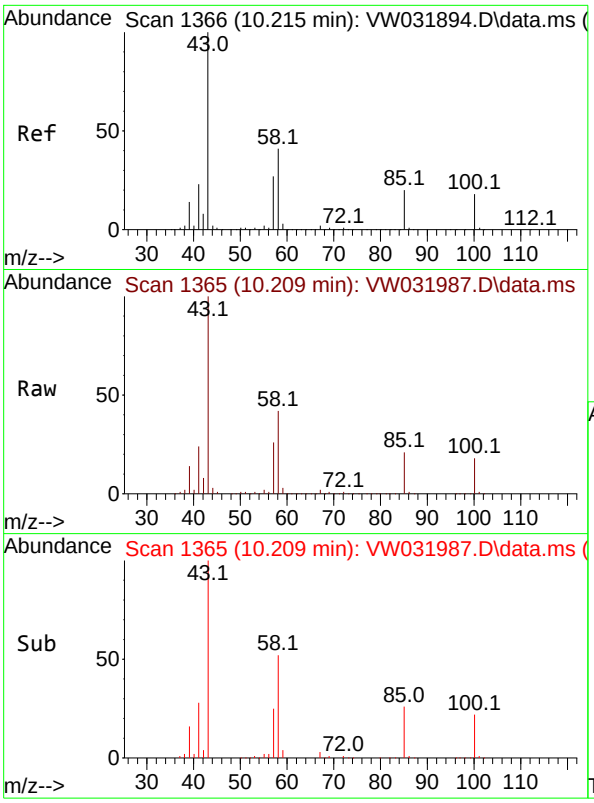


#50
Toluene-d8
Concen: 51.473 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 98 Resp: 572419

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 261.891 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

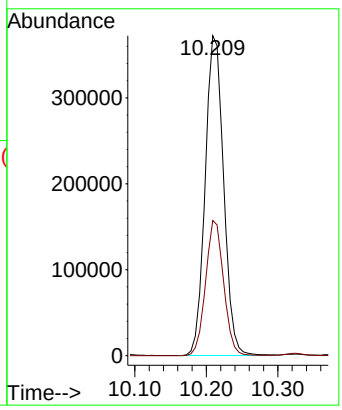
Tgt Ion: 43 Resp: 66792

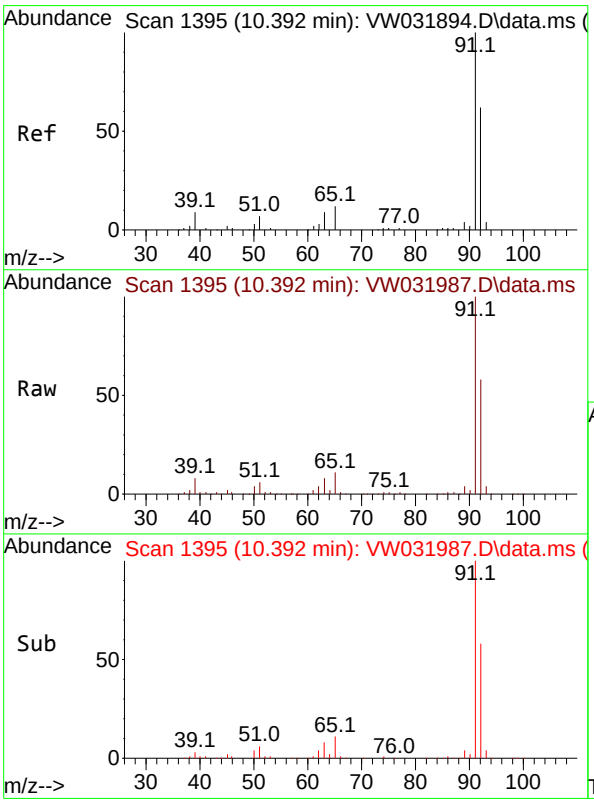
Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

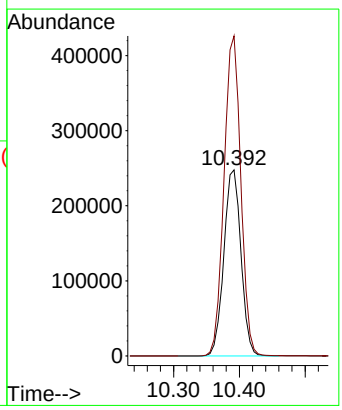


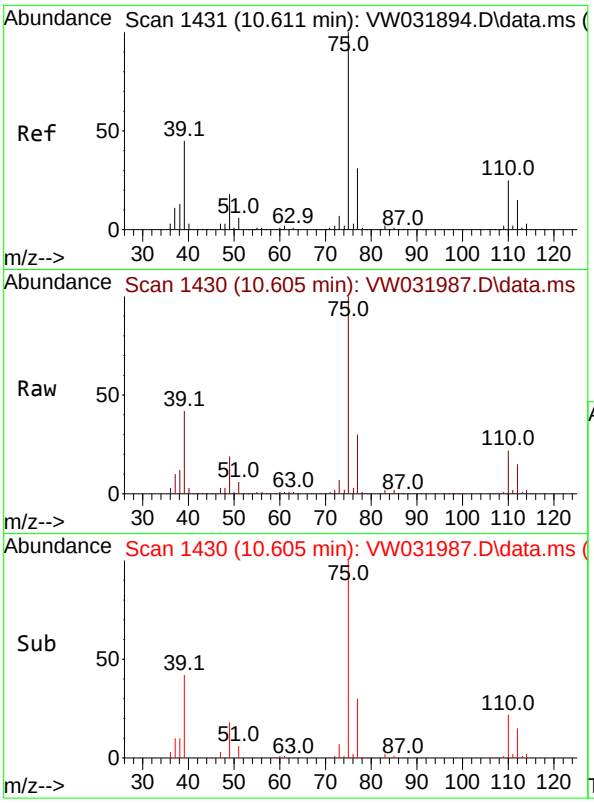


#52
Toluene
Concen: 52.228 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 92 Resp: 448483

Ion	Ratio	Lower	Upper
92	100		
91	168.9	133.7	200.5





#53
t-1,3-Dichloropropene
Concen: 52.793 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

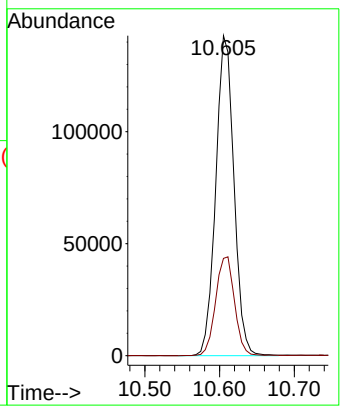
Tgt Ion: 75 Resp: 24217

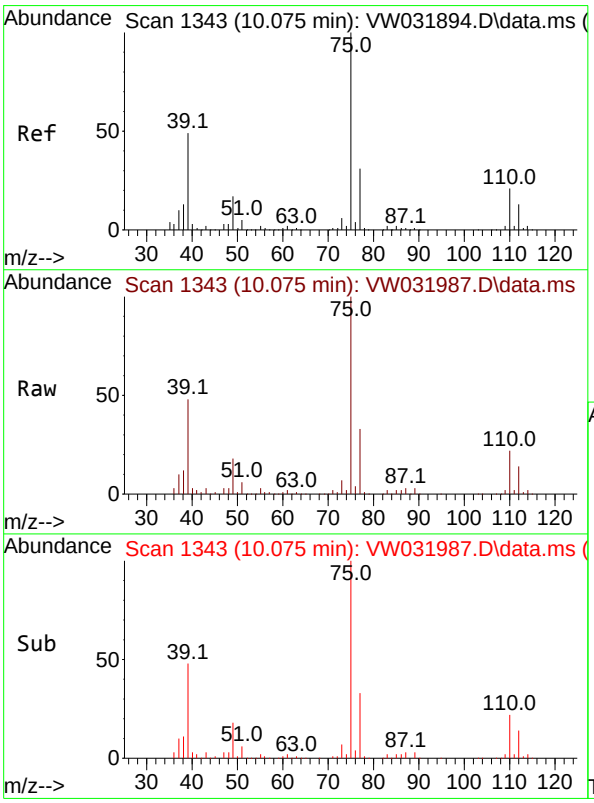
Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.2	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

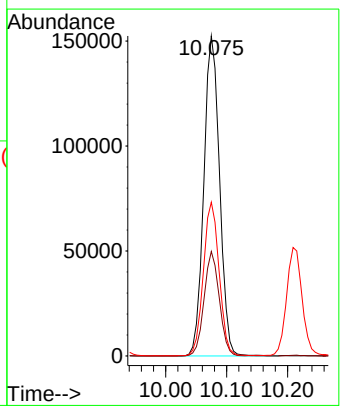


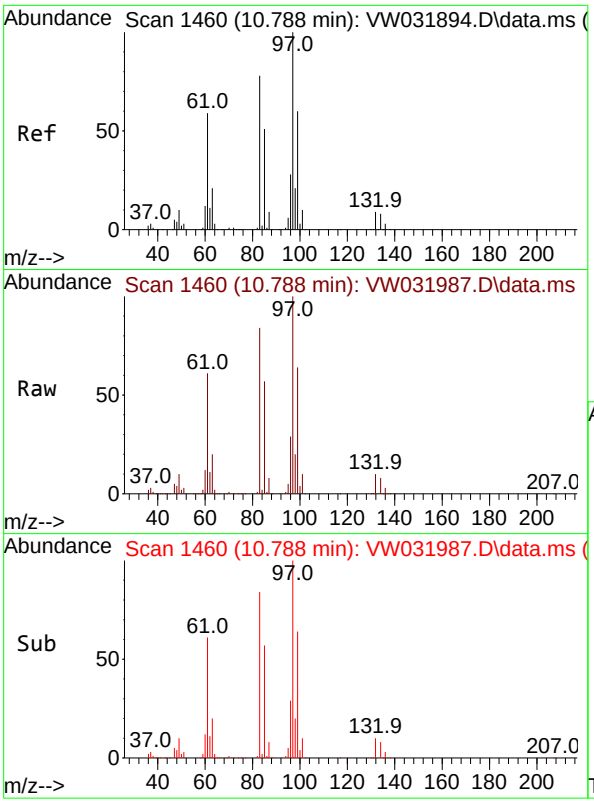


#54
cis-1,3-Dichloropropene
Concen: 52.326 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 274111

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	47.9	39.3	58.9

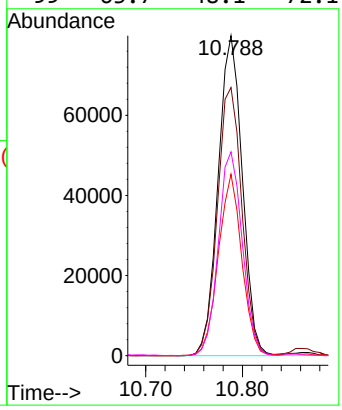




#55
1,1,2-Trichloroethane
Concen: 52.349 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 97 Resp: 13867

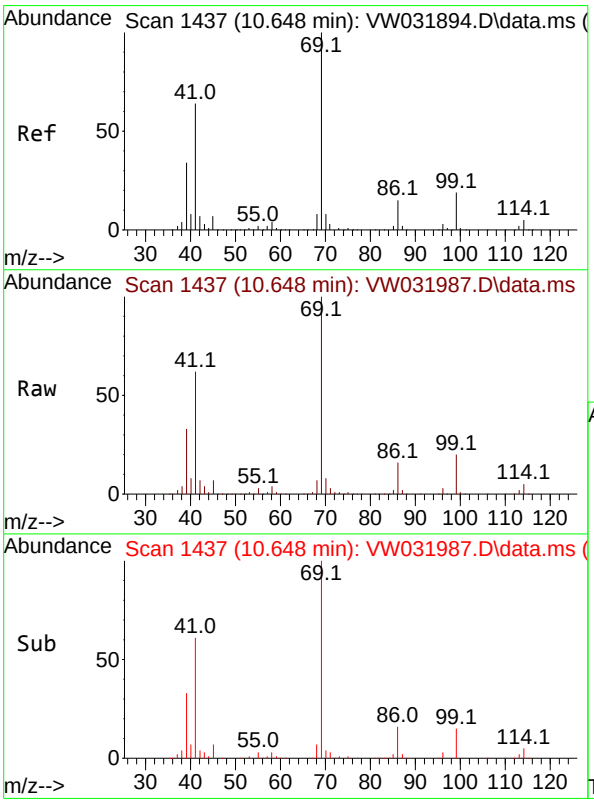
Ion	Ratio	Lower	Upper
97	100		
83	83.8	62.4	93.6
85	56.7	41.0	61.6
99	63.7	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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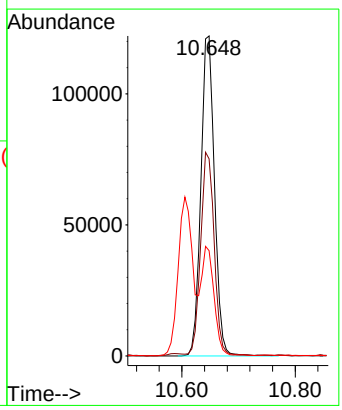
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

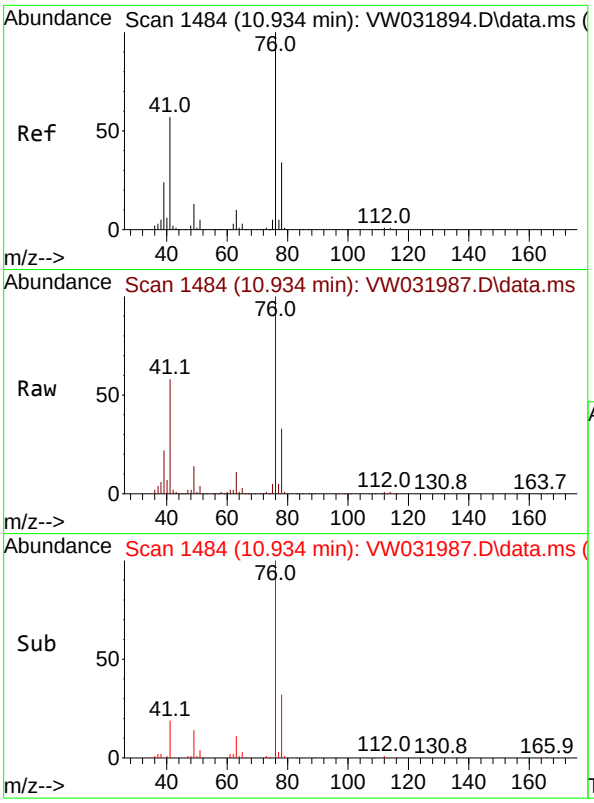


#56
Ethyl methacrylate
Concen: 54.458 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 69 Resp: 203738

Ion	Ratio	Lower	Upper
69	100		
41	62.4	52.0	78.0
39	30.2	26.6	40.0





#57
1,3-Dichloropropane
Concen: 50.881 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

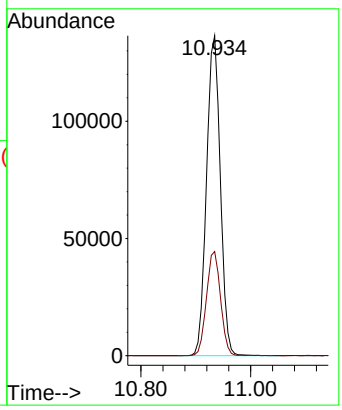
Tgt Ion: 76 Resp: 23744

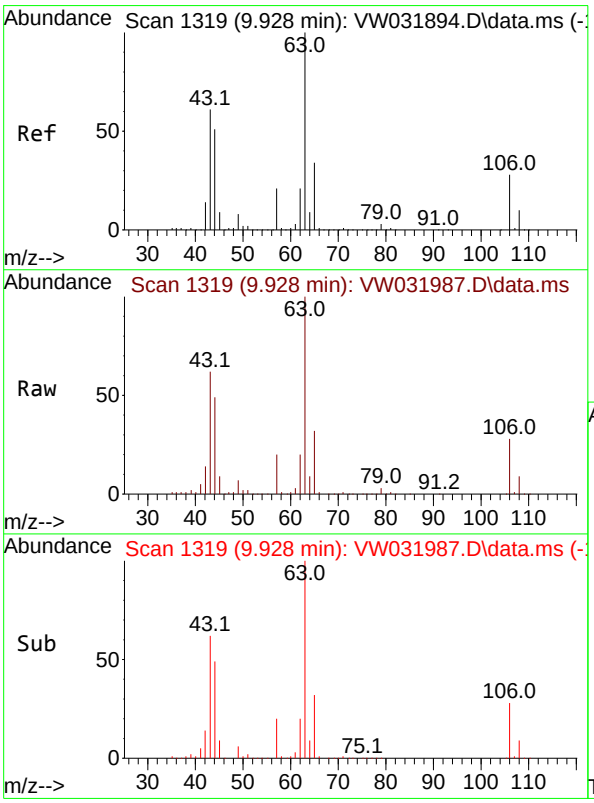
Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

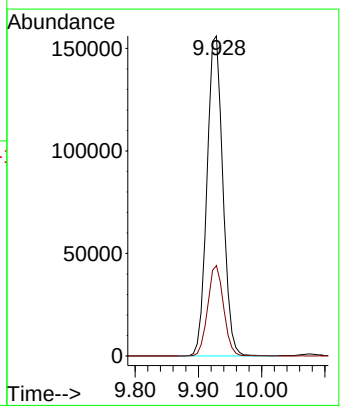


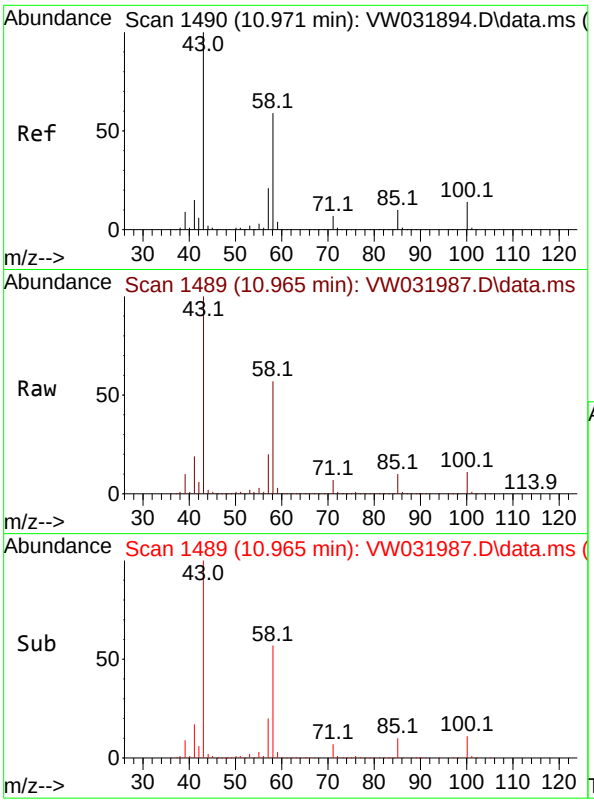


#58
2-Chloroethyl Vinyl ether
Concen: 141.845 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 63 Resp: 272577

Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.7	34.1





#59
2-Hexanone
Concen: 264.279 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

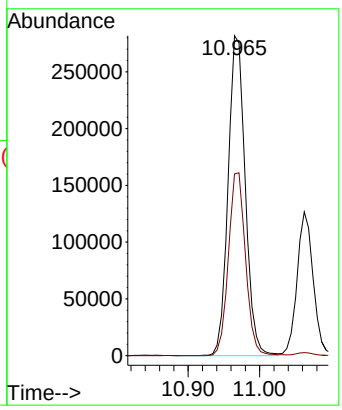
Tgt Ion: 43 Resp: 46850

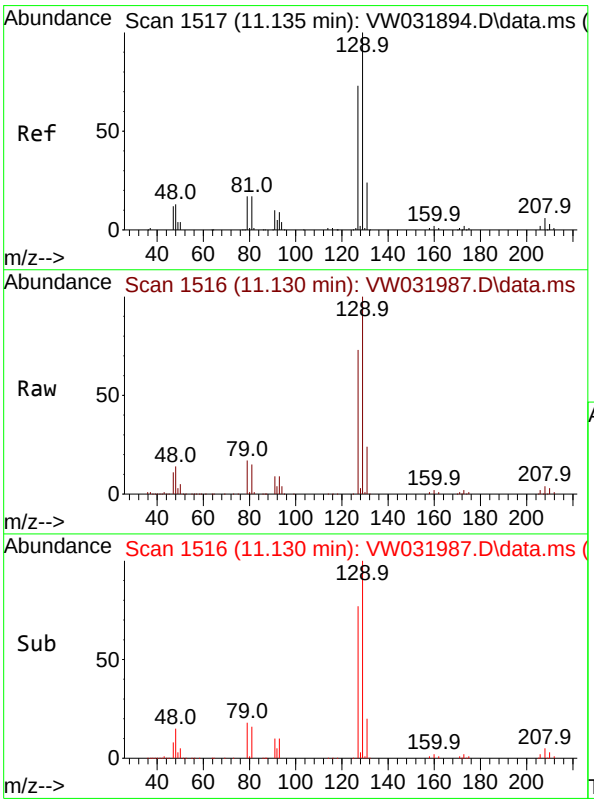
Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

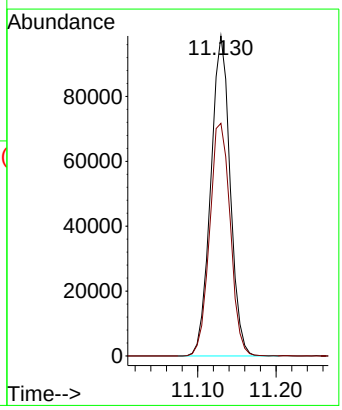


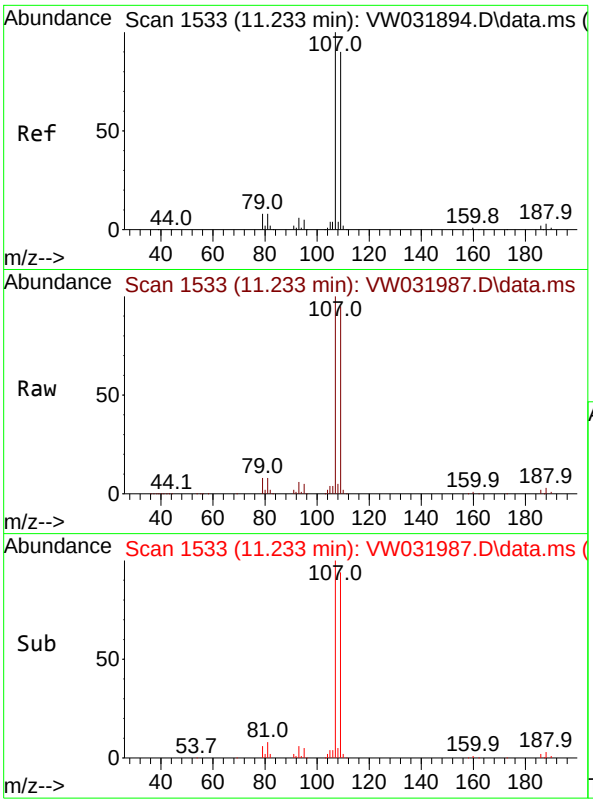


#60
Dibromochloromethane
Concen: 54.958 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:129 Resp: 169737

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.6	118.8

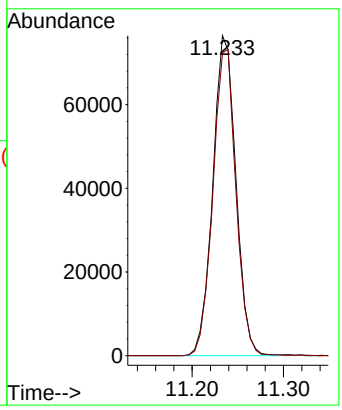




#61
1,2-Dibromoethane
Concen: 51.251 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:107 Resp: 13414

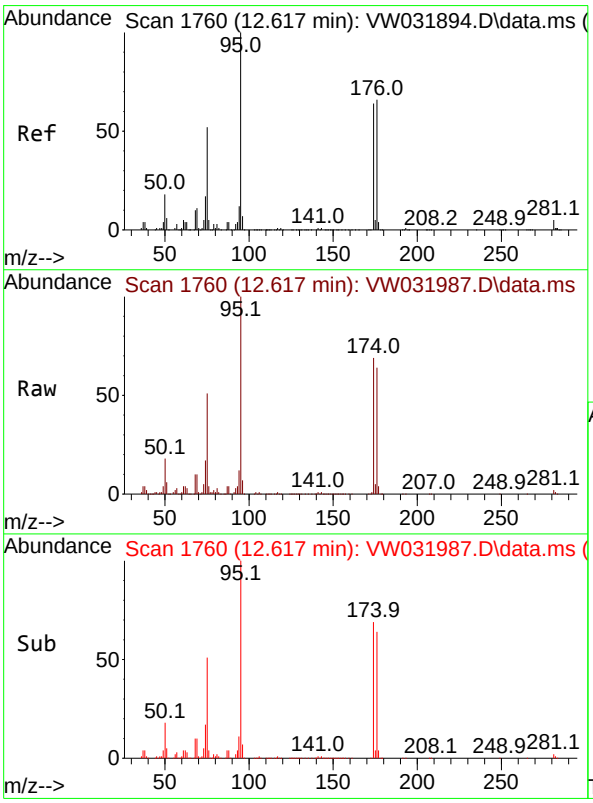
Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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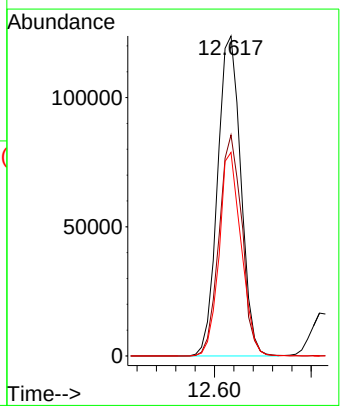
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

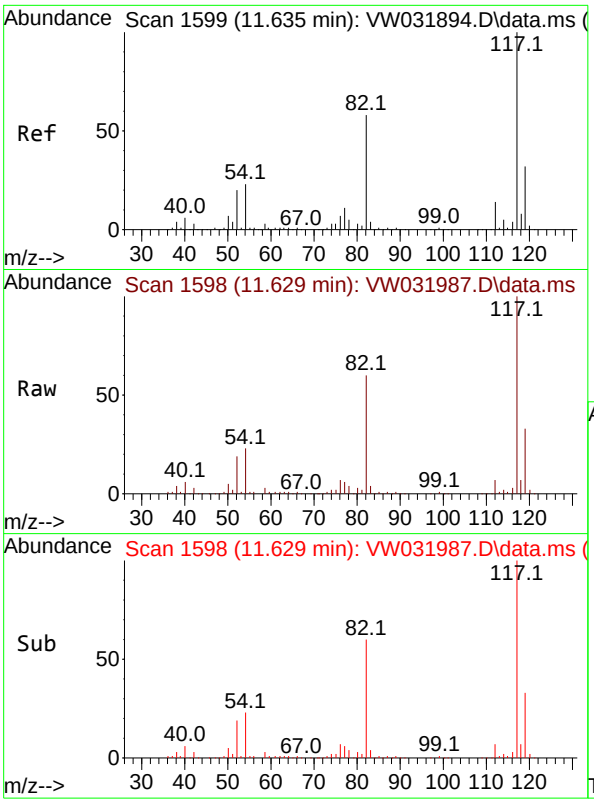


#62
4-Bromofluorobenzene
Concen: 48.388 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 95 Resp: 206626

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	129.8
176	60.5	0.0	130.4

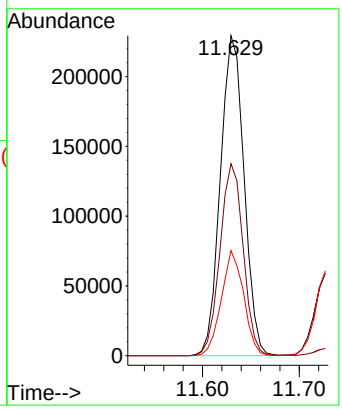




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:117 Resp: 38995

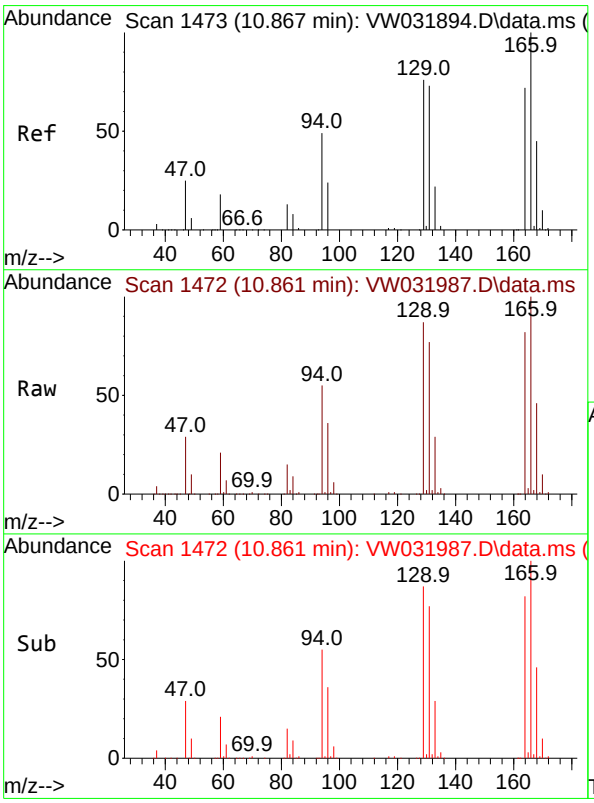
Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.5	69.7
119	32.8	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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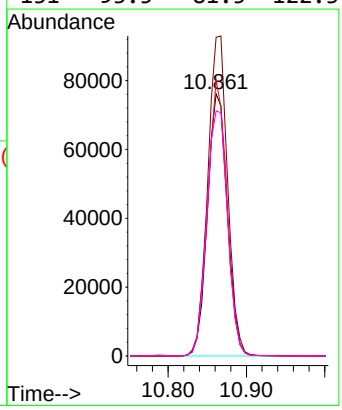
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

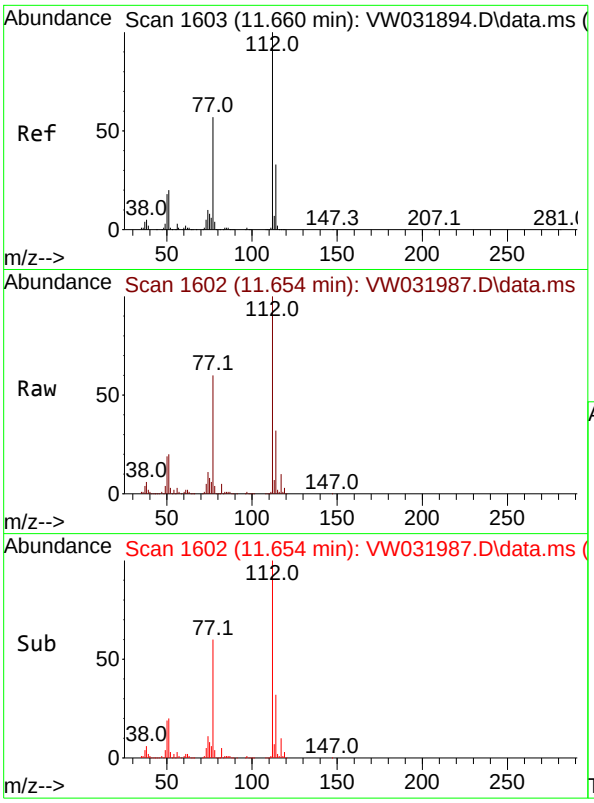


#64
Tetrachloroethene
Concen: 52.168 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:164 Resp: 134128

Ion	Ratio	Lower	Upper
164	100		
166	121.6	111.5	167.3
129	105.2	85.1	127.7
131	93.5	81.5	122.3





#65
Chlorobenzene
Concen: 49.985 ug/l
RT: 11.654 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

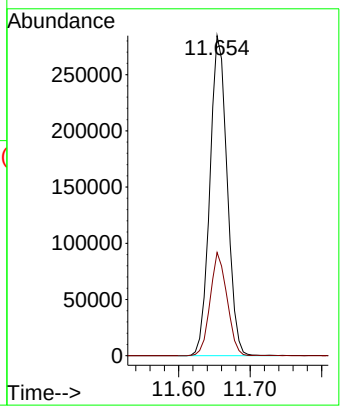
Tgt Ion:112 Resp: 47706(

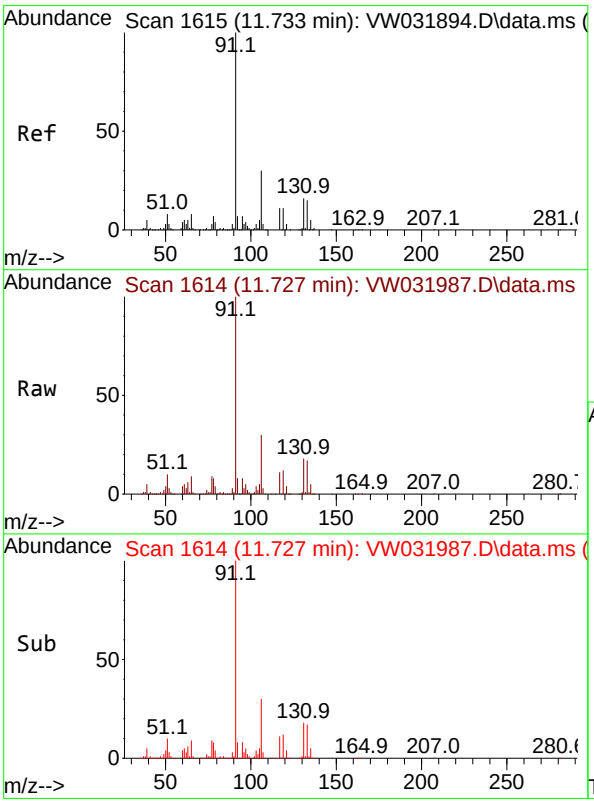
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

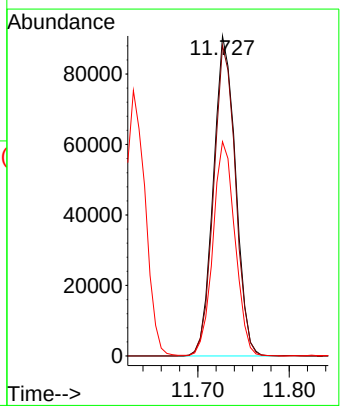


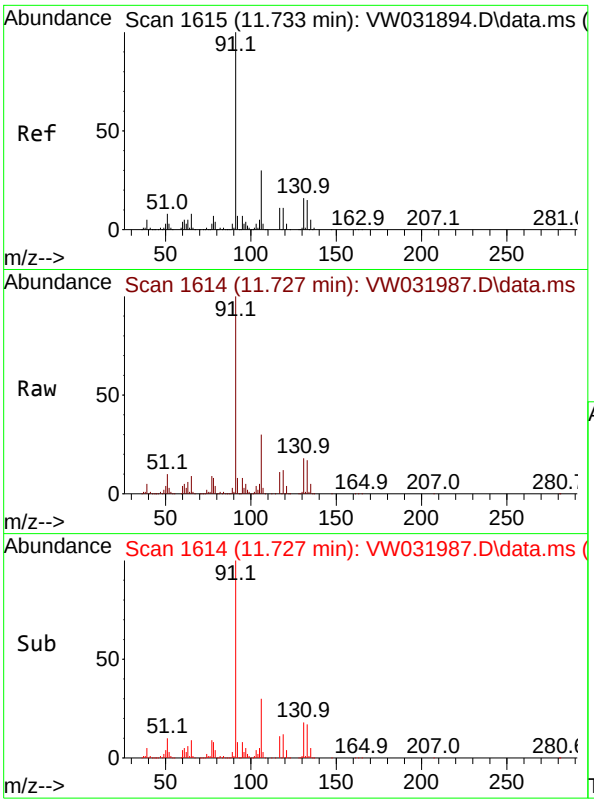


#66
1,1,1,2-Tetrachloroethane
Concen: 51.860 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:131 Resp: 153442

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.4
119	66.5	33.7	101.1





#67
Ethyl Benzene
Concen: 50.298 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

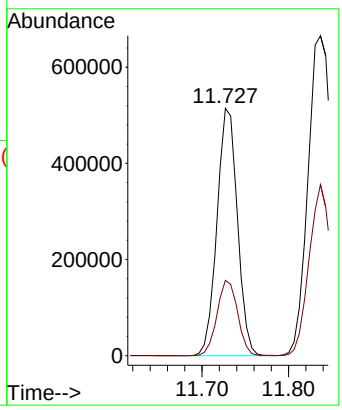
Tgt Ion: 91 Resp: 84344(

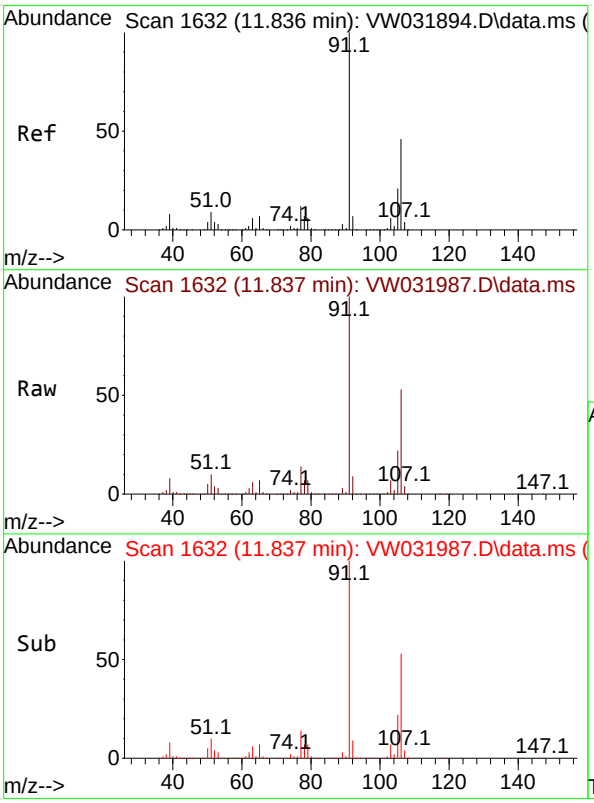
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

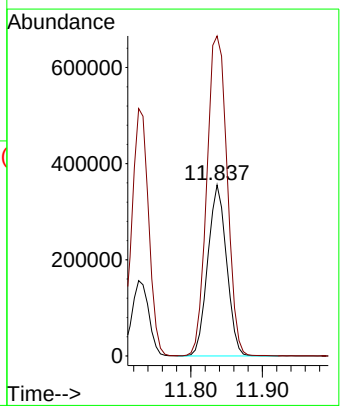


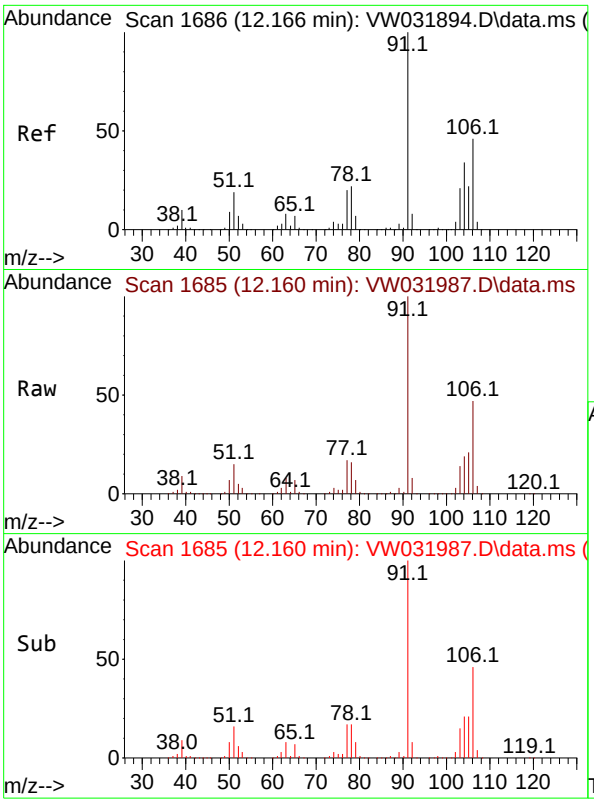


#68
m/p-Xylenes
Concen: 102.663 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:106 Resp: 648083

Ion	Ratio	Lower	Upper
106	100		
91	202.5	167.7	251.5





#69
o-Xylene
Concen: 51.699 ug/l
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

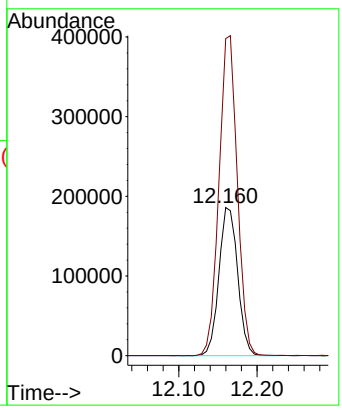
Tgt Ion:106 Resp: 30885

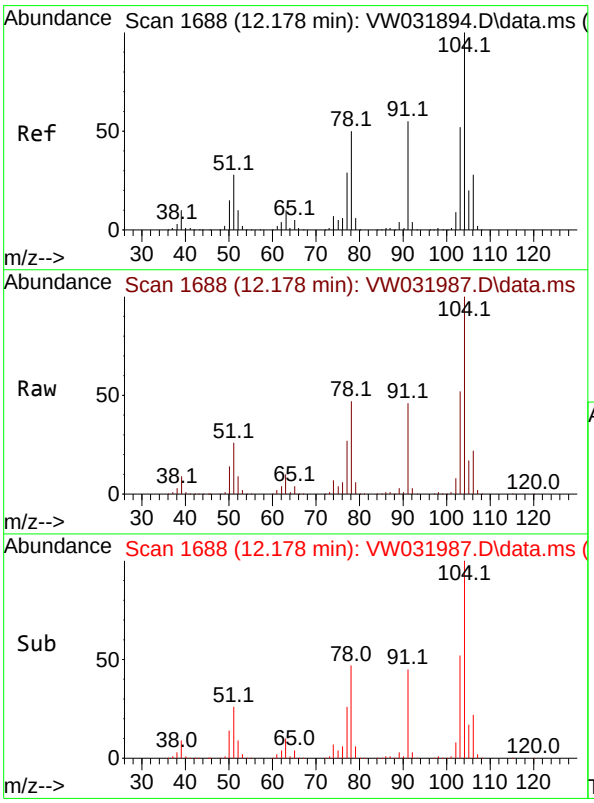
Ion	Ratio	Lower	Upper
106	100		
91	212.2	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

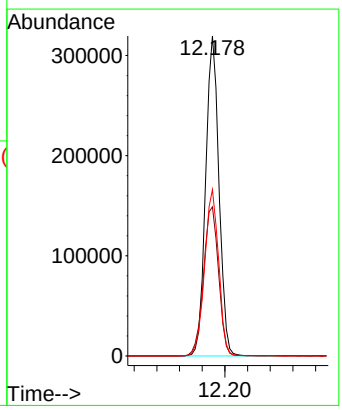


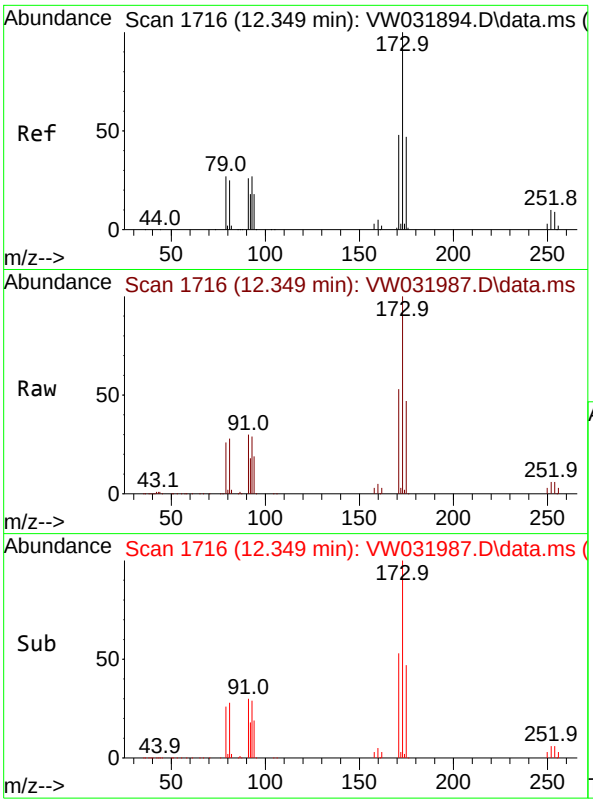


#70
Styrene
Concen: 51.290 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:104 Resp: 521701

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.2	63.4
103	55.1	42.8	64.2

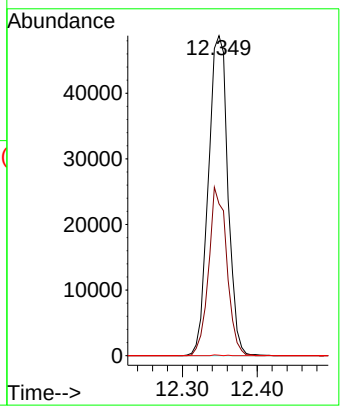




#71
Bromoform
Concen: 54.531 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:173 Resp: 8823

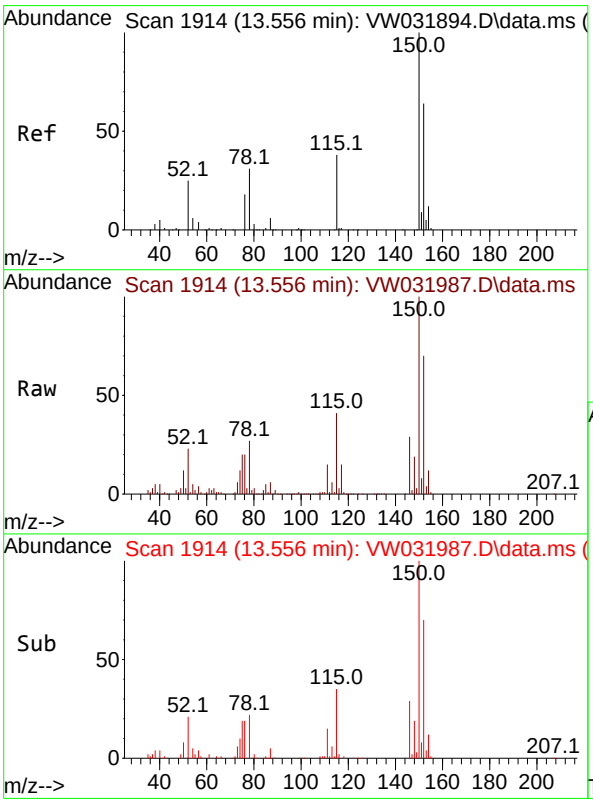
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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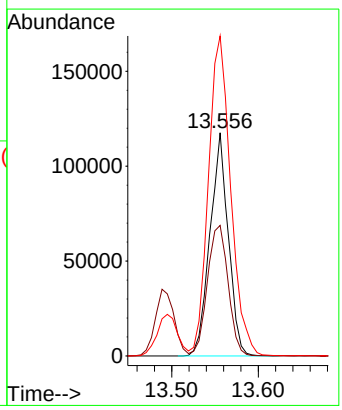
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

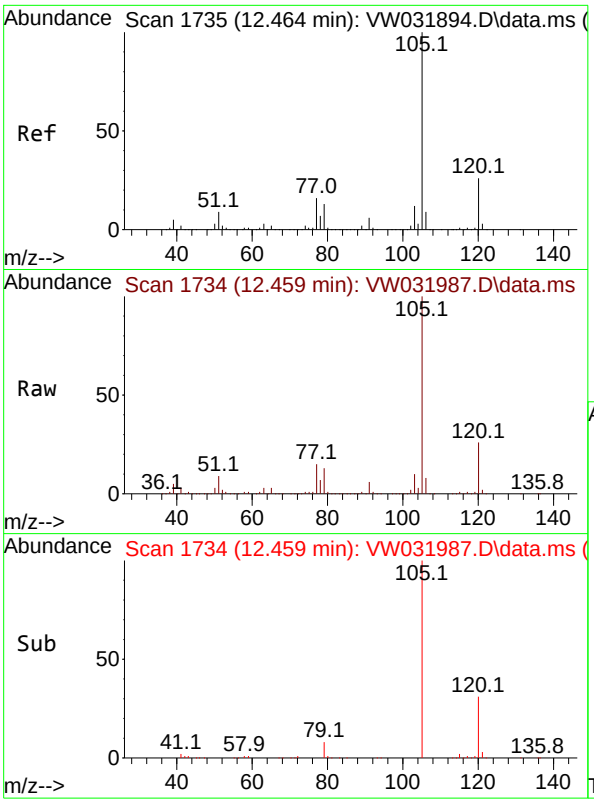


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:152 Resp: 173087

Ion	Ratio	Lower	Upper
152	100		
115	66.2	33.4	100.1
150	173.6	0.0	352.2





#73
Isopropylbenzene
Concen: 51.943 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

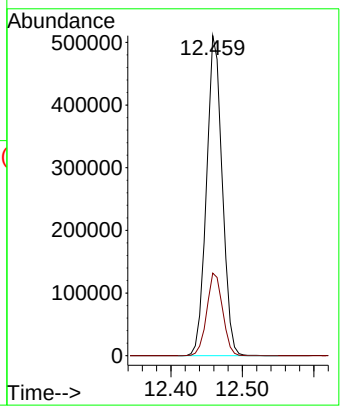
Tgt Ion:105 Resp: 78008

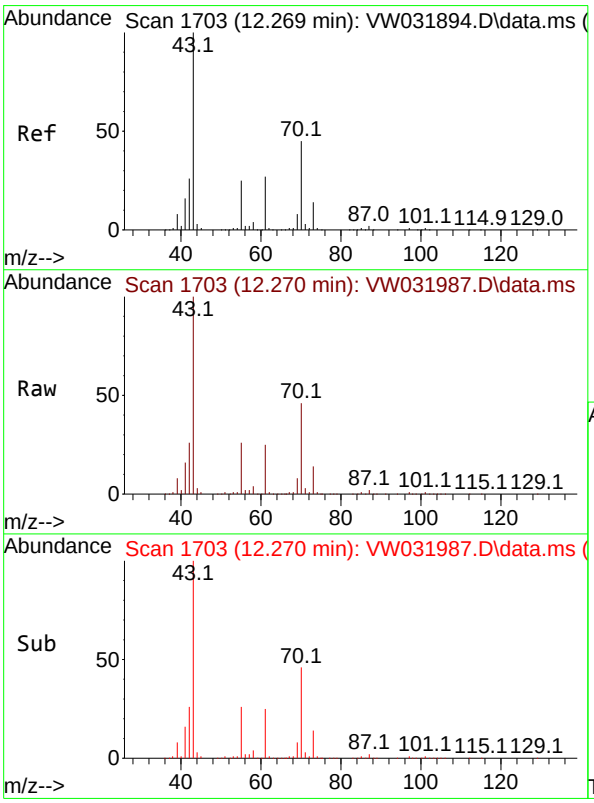
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

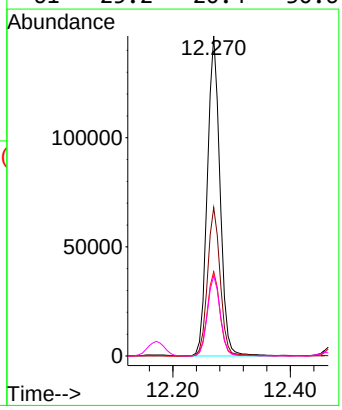


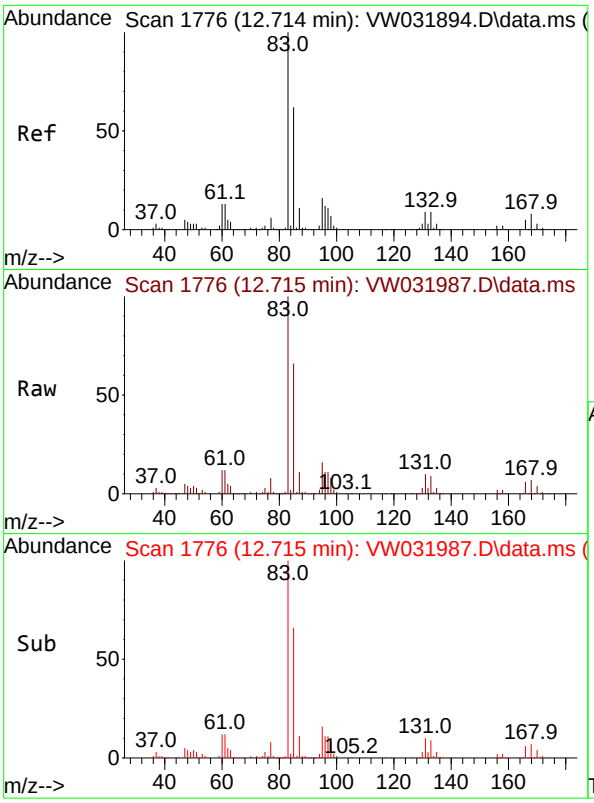


#74
N-amyl acetate
Concen: 54.105 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 219672

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	26.6	20.7	31.1
61	25.2	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 52.808 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

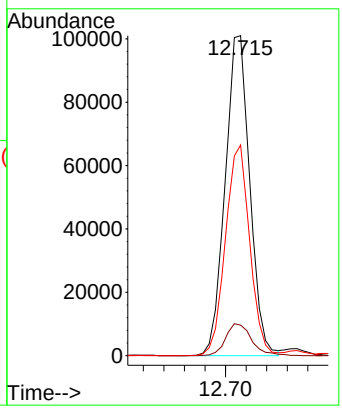
Tgt Ion: 83 Resp: 16834

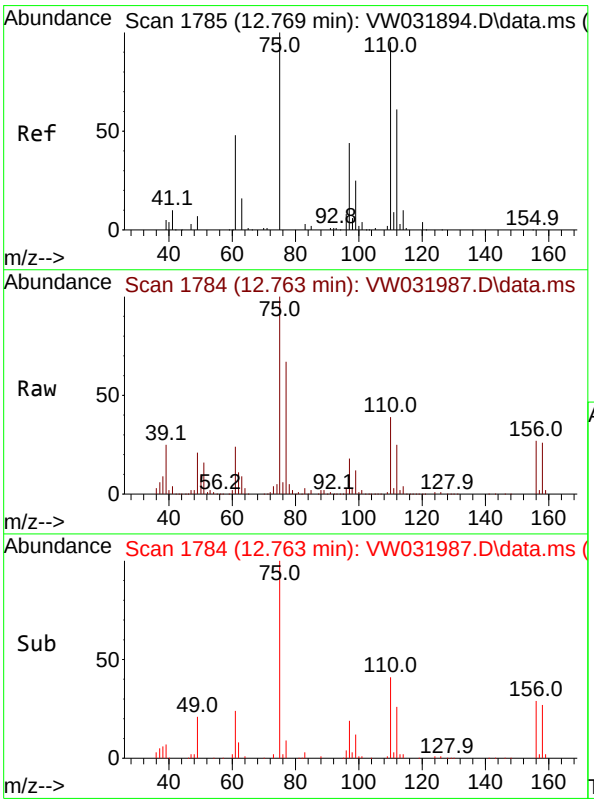
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.9	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

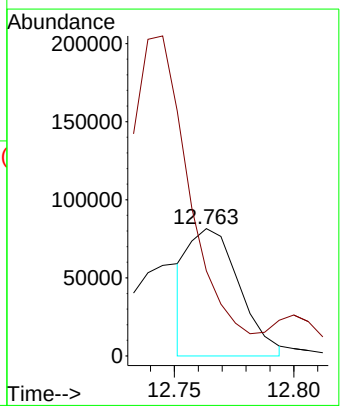


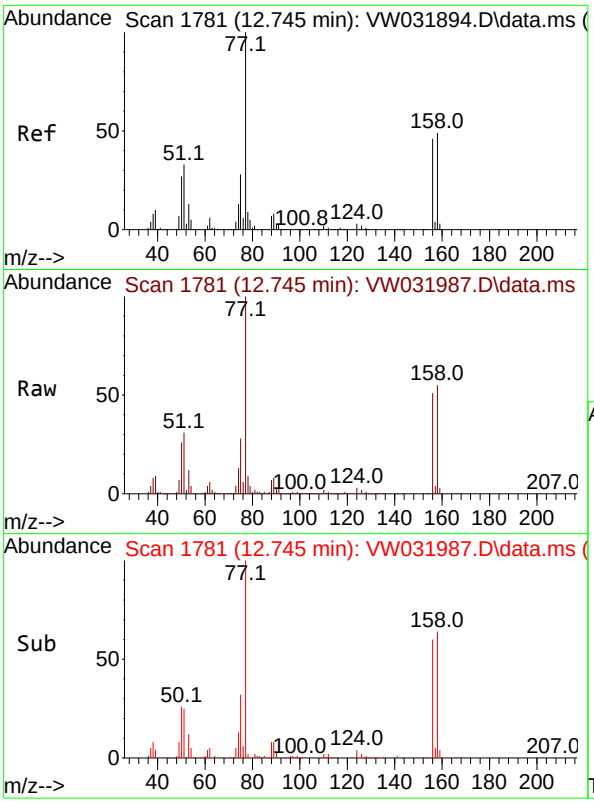


#76
1,2,3-Trichloropropane
Concen: 50.481 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 120635

Ion	Ratio	Lower	Upper
75	100		
77	313.9	0.0	0.0#





#77
Bromobenzene
Concen: 53.039 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

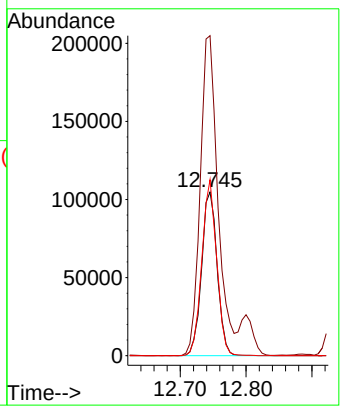
Tgt Ion:156 Resp: 17234

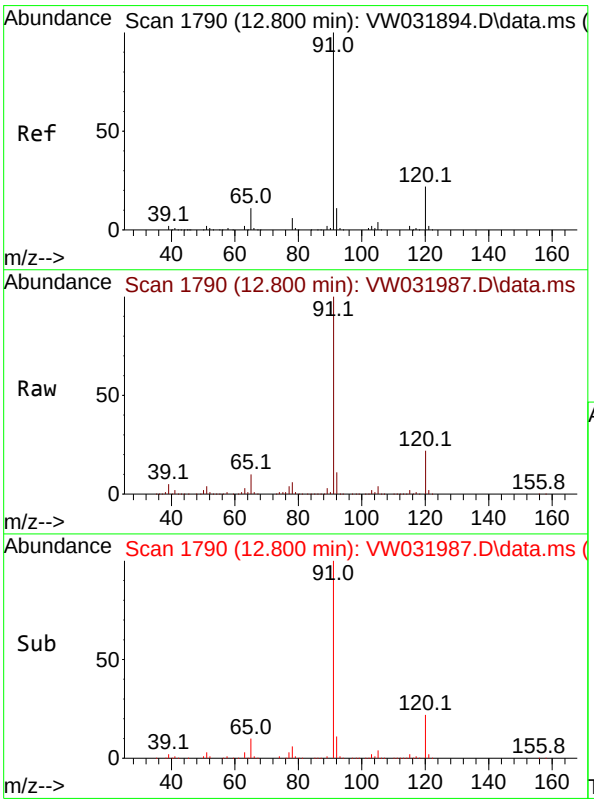
Ion	Ratio	Lower	Upper
156	100		
77	219.7	115.3	345.8
158	102.4	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
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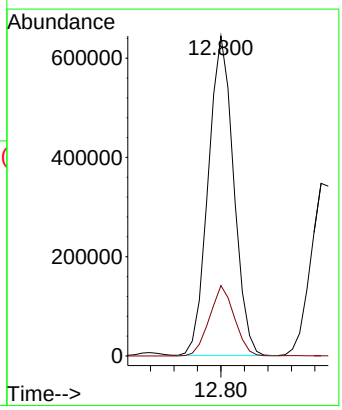


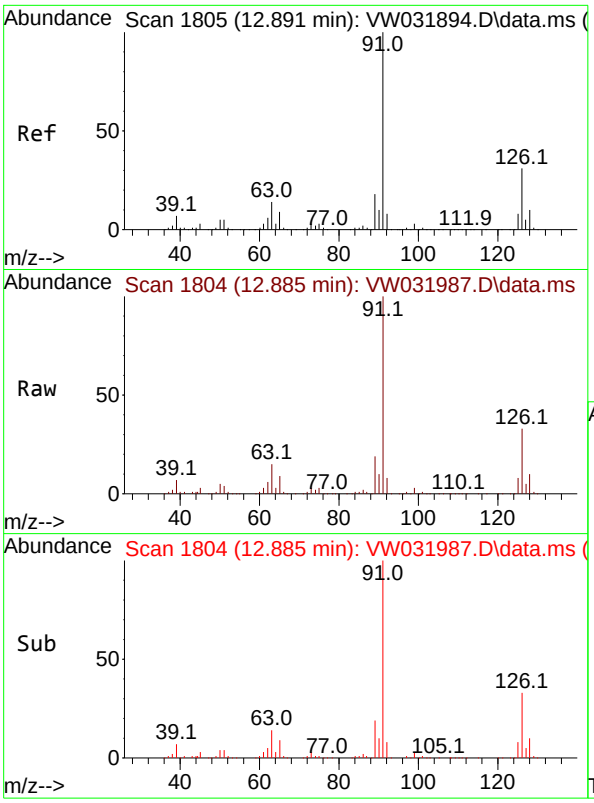


#78
n-propylbenzene
Concen: 52.475 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 91 Resp: 967893

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.6





#79
2-Chlorotoluene
Concen: 51.882 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

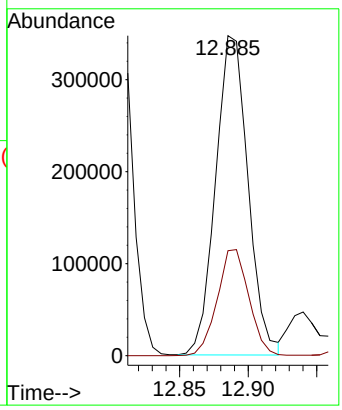
Tgt Ion: 91 Resp: 57136

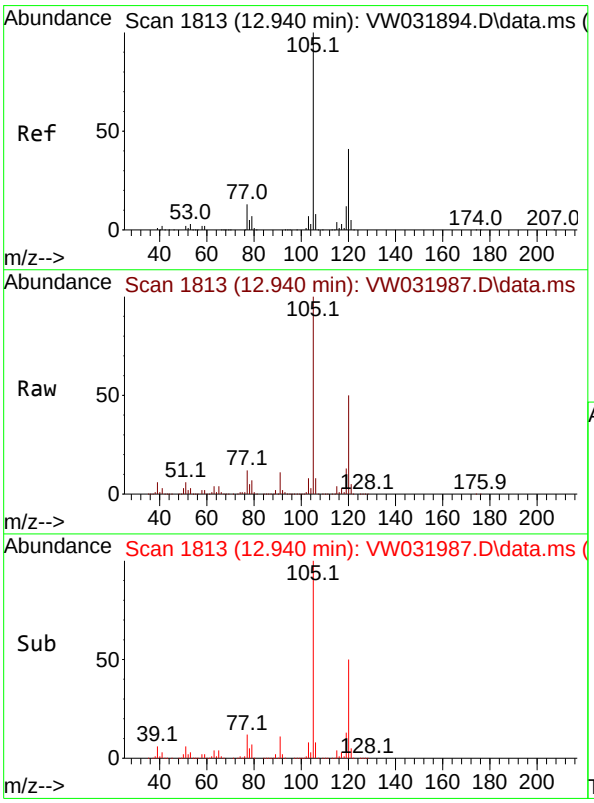
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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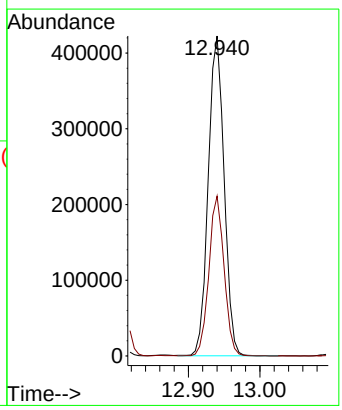


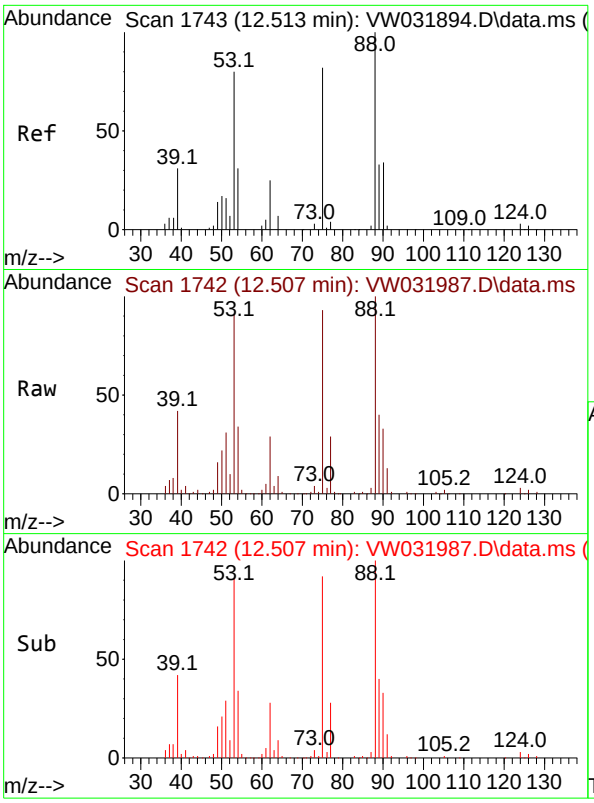


#80
1,3,5-Trimethylbenzene
Concen: 51.678 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:105 Resp: 650913

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 55.779 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

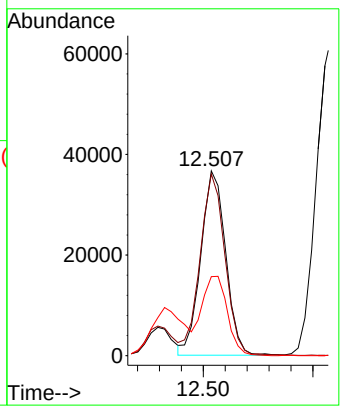
Tgt Ion: 75 Resp: 5773

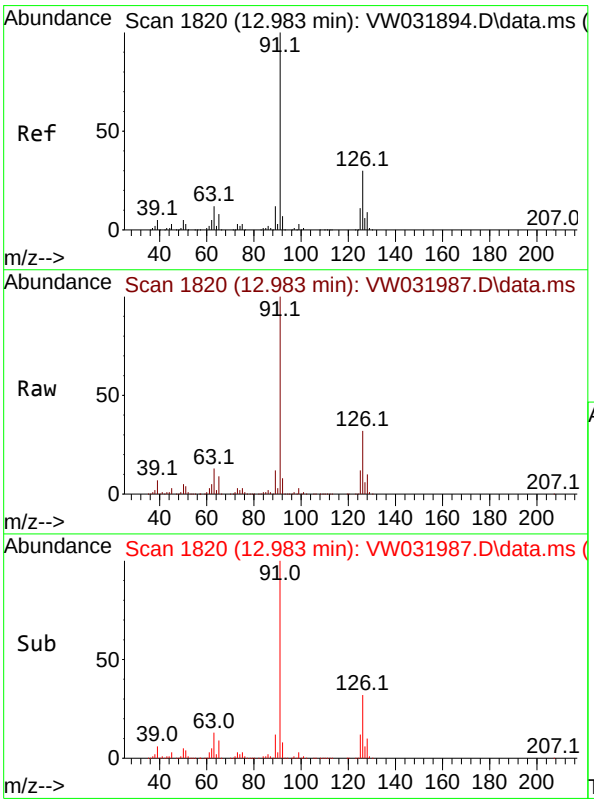
Ion	Ratio	Lower	Upper
75	100		
53	99.3	83.7	125.5
89	44.4	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

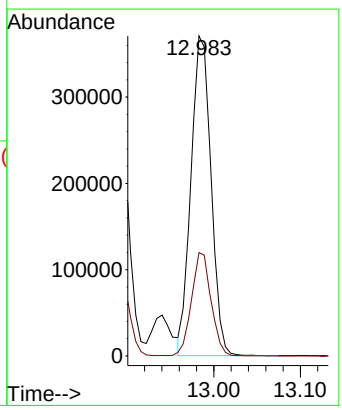


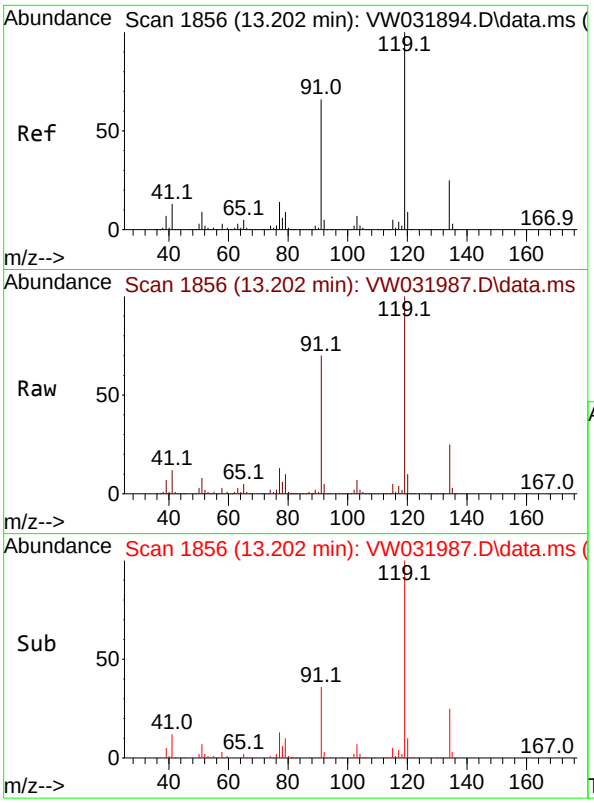


#82
4-Chlorotoluene
Concen: 51.476 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 91 Resp: 594724

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3

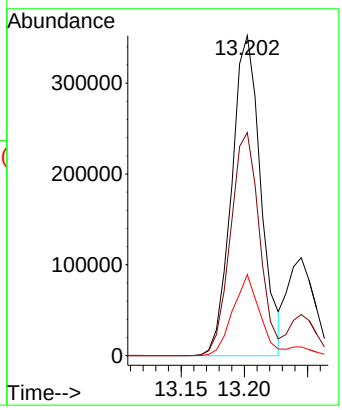




#83
tert-Butylbenzene
Concen: 52.740 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:119 Resp: 56584

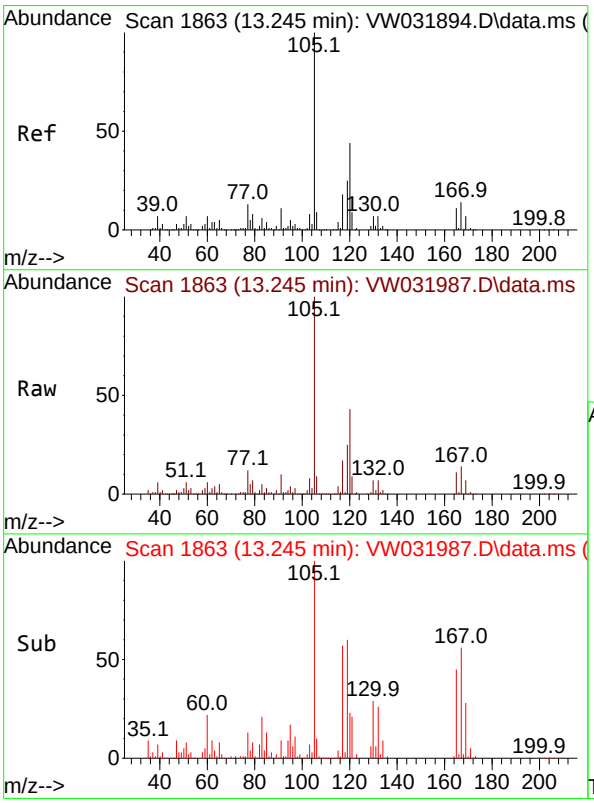
Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.5	106.5
134	23.7	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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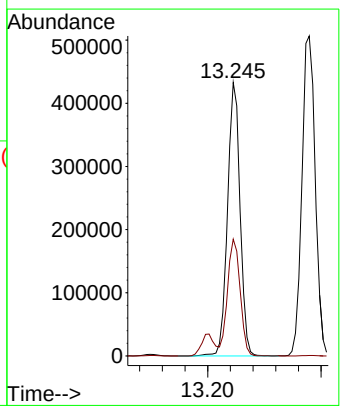
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

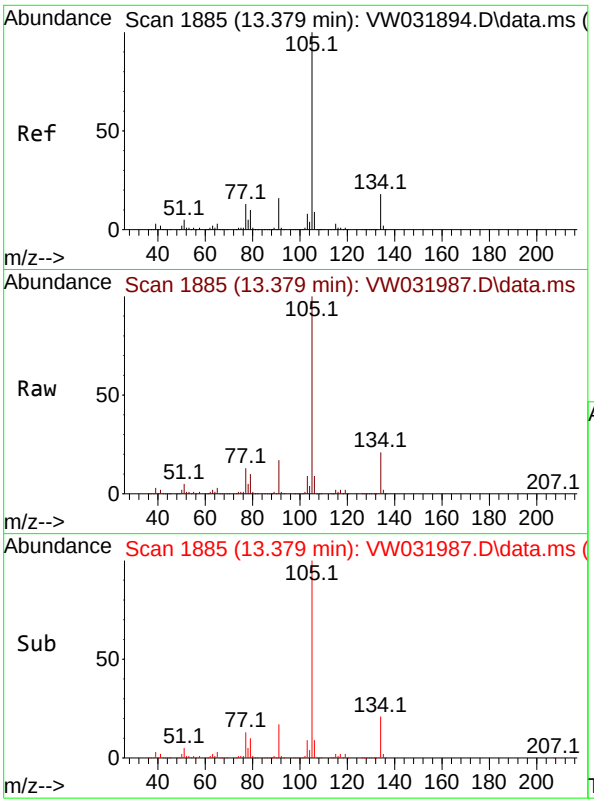


#84
1,2,4-Trimethylbenzene
Concen: 52.028 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:105 Resp: 663285

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9

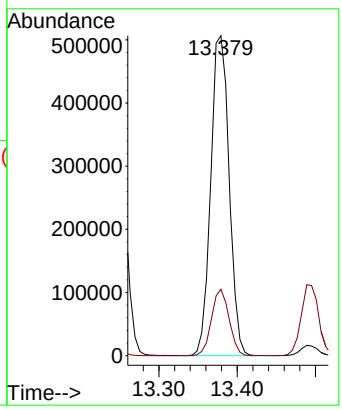




#85
sec-Butylbenzene
Concen: 51.273 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:105 Resp: 82611

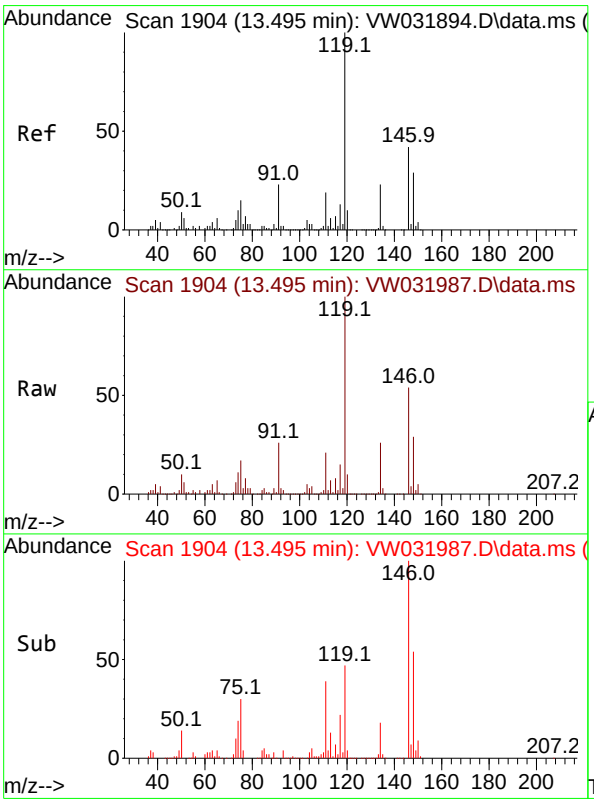
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.2	27.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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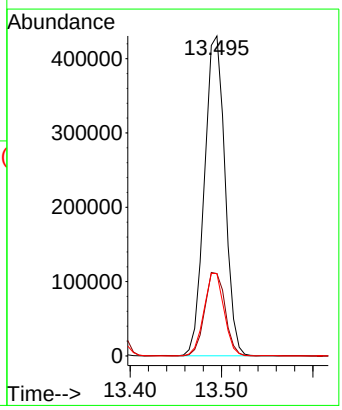
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

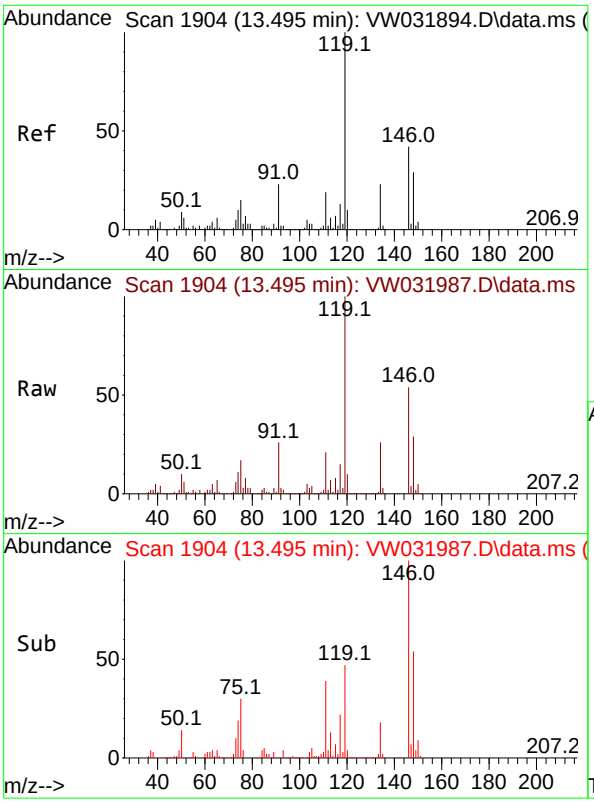


#86
p-Isopropyltoluene
Concen: 50.226 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:119 Resp: 668872

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	25.3	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 52.145 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

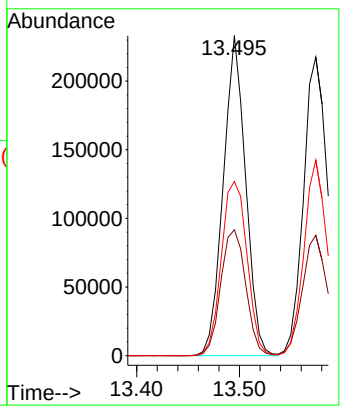
Tgt Ion:146 Resp: 35270

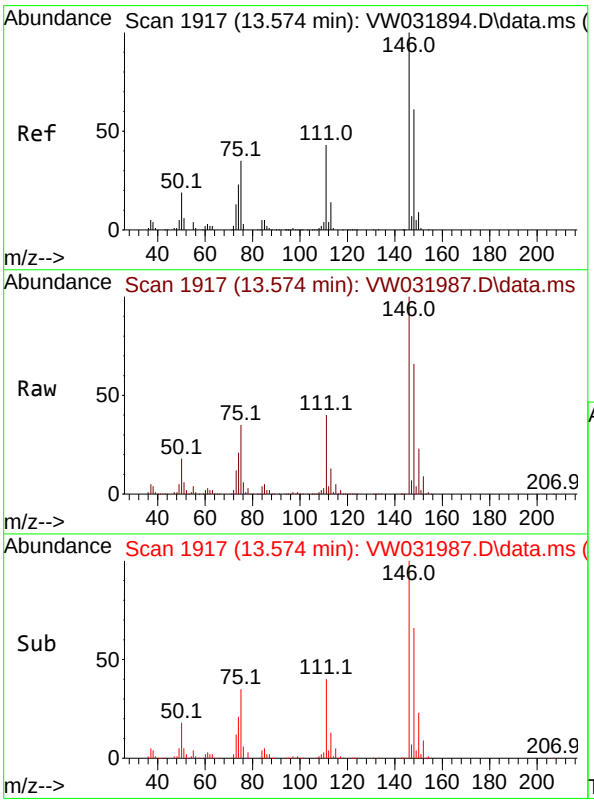
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	62.4	31.9	95.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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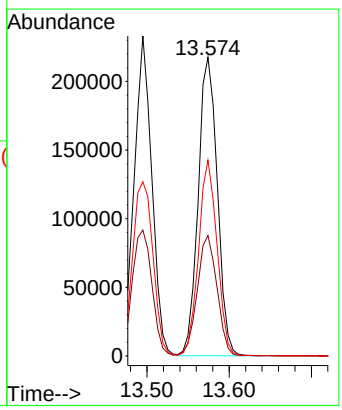


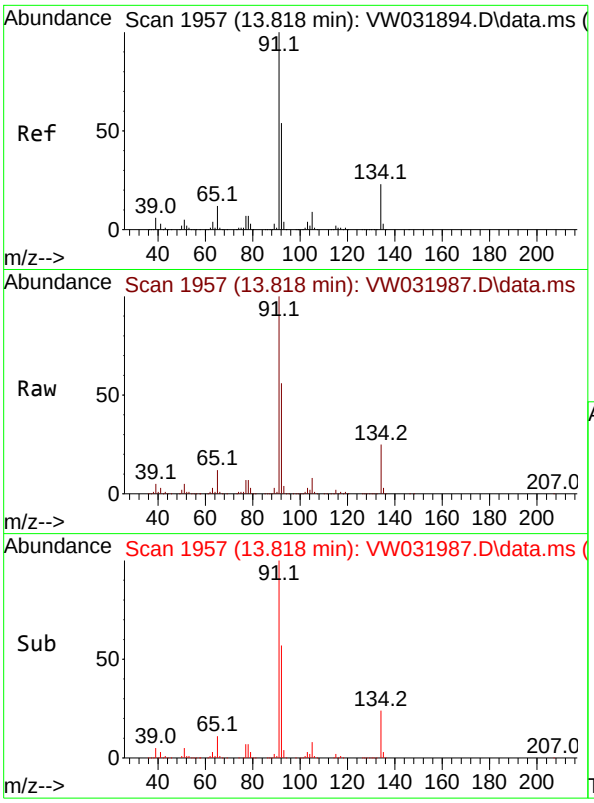


#88
1,4-Dichlorobenzene
Concen: 53.064 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:146 Resp: 351606

Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.1	66.3
148	63.5	31.8	95.3





#89
n-Butylbenzene
Concen: 52.053 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

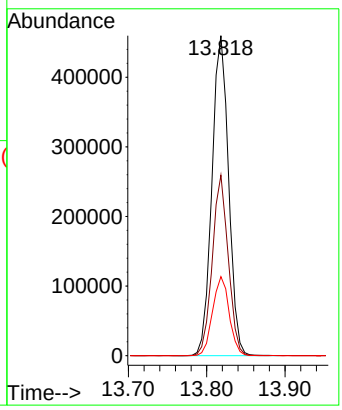
Tgt Ion: 91 Resp: 68002

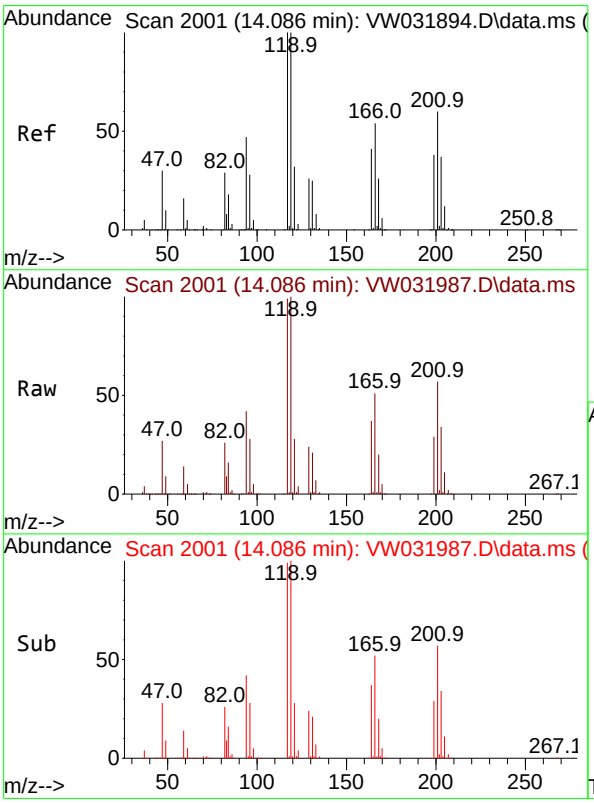
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.5
134	24.6	11.6	34.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

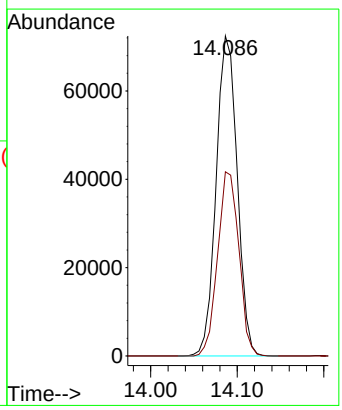


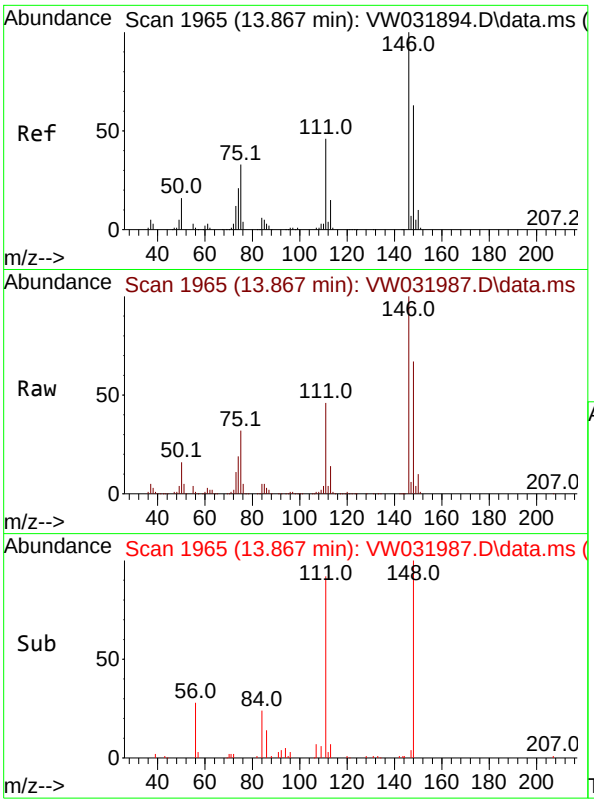


#90
Hexachloroethane
Concen: 53.146 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:117 Resp: 122385

Ion	Ratio	Lower	Upper
117	100		
201	58.1	28.4	85.2

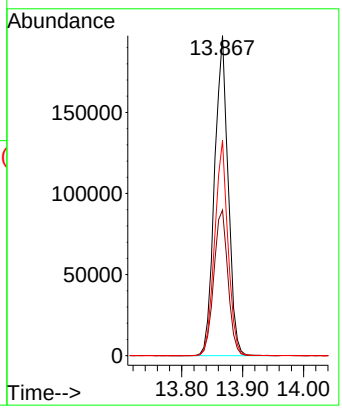




#91
1,2-Dichlorobenzene
Concen: 50.911 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:146 Resp: 30518

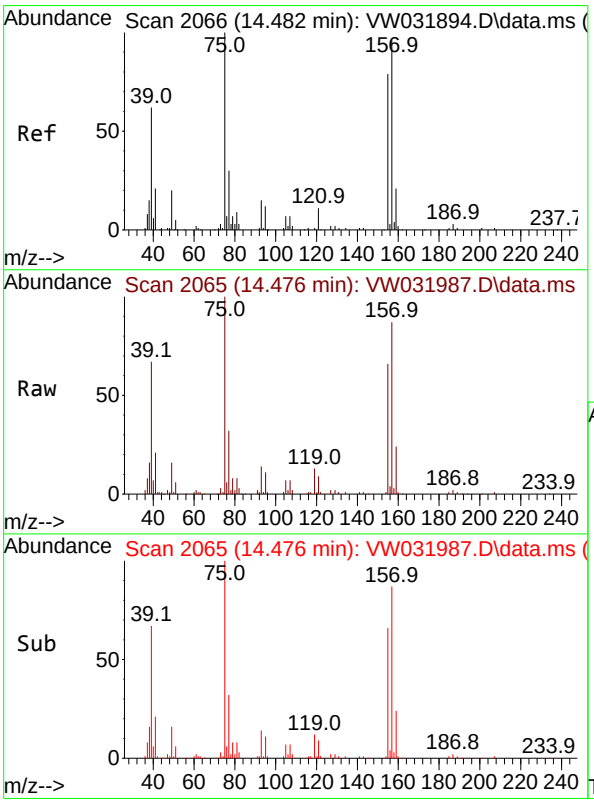
Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.6	71.0
148	65.6	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

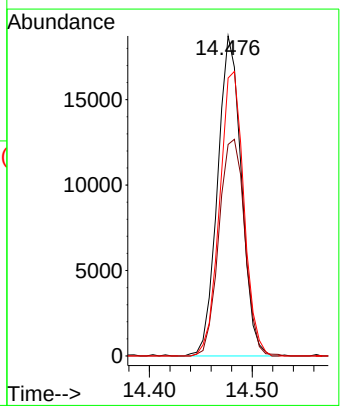
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

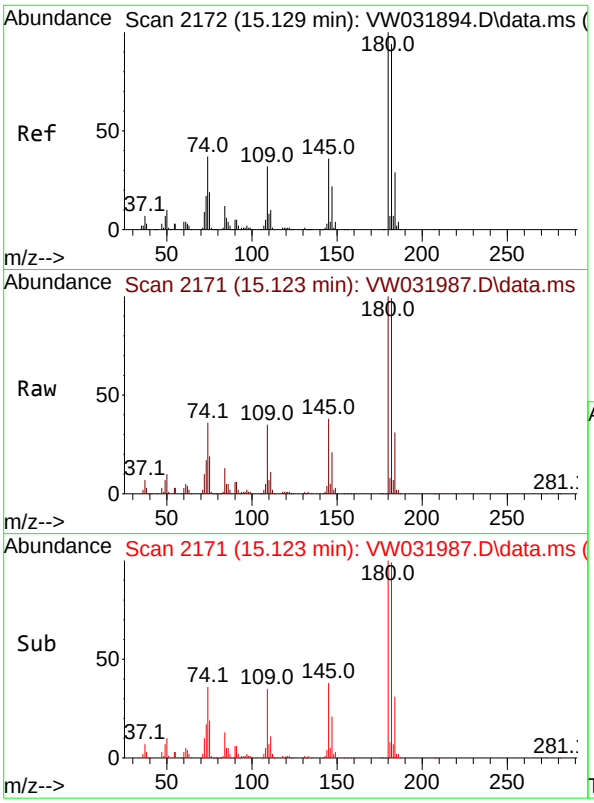


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.255 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 30095

Ion	Ratio	Lower	Upper
75	100		
155	73.6	35.9	107.7
157	90.3	47.4	142.2





#93
1,2,4-Trichlorobenzene
Concen: 51.994 ug/l
RT: 15.123 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

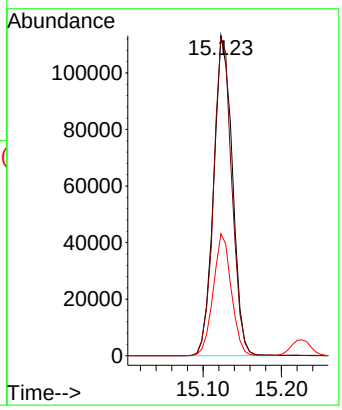
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

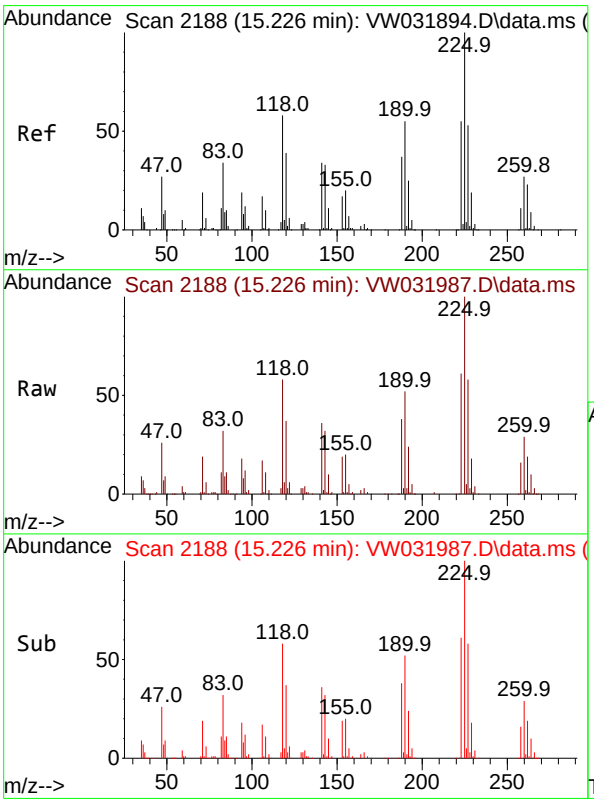
Tgt Ion:180 Resp: 18796

Ion	Ratio	Lower	Upper
180	100		
182	97.1	51.0	153.1
145	36.8	18.4	55.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

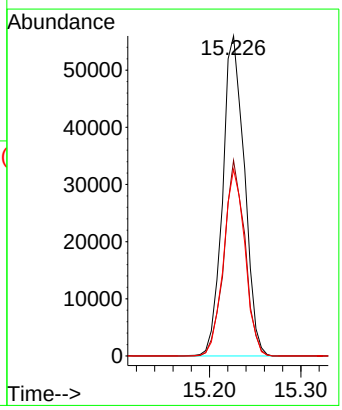


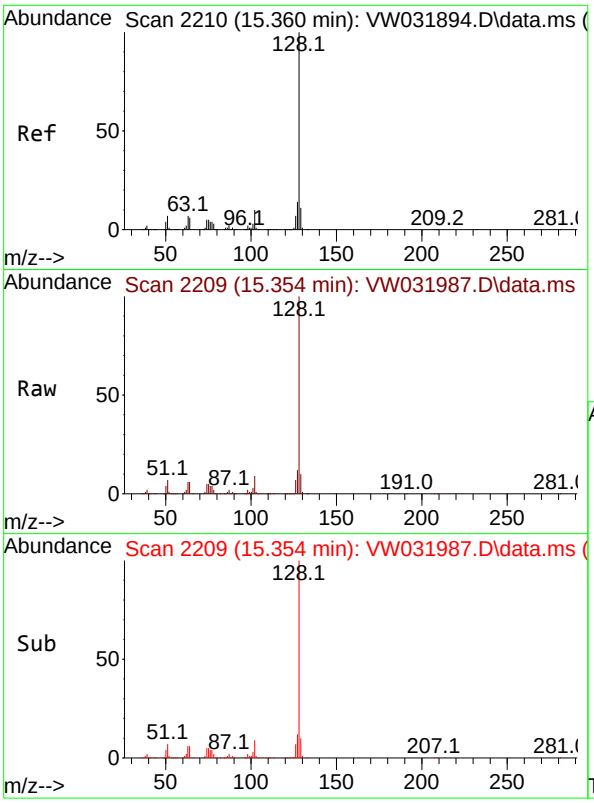


#94
Hexachlorobutadiene
Concen: 54.030 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:225 Resp: 92557

Ion	Ratio	Lower	Upper
225	100		
223	58.5	30.9	92.7
227	57.4	30.0	90.1

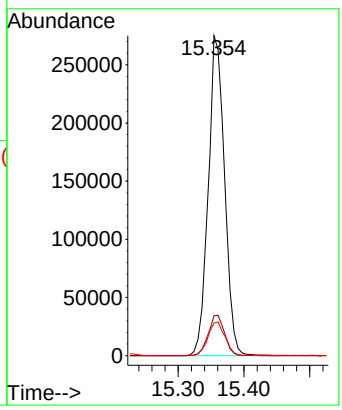




#95
Naphthalene
Concen: 53.533 ug/l
RT: 15.354 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:128 Resp: 47579

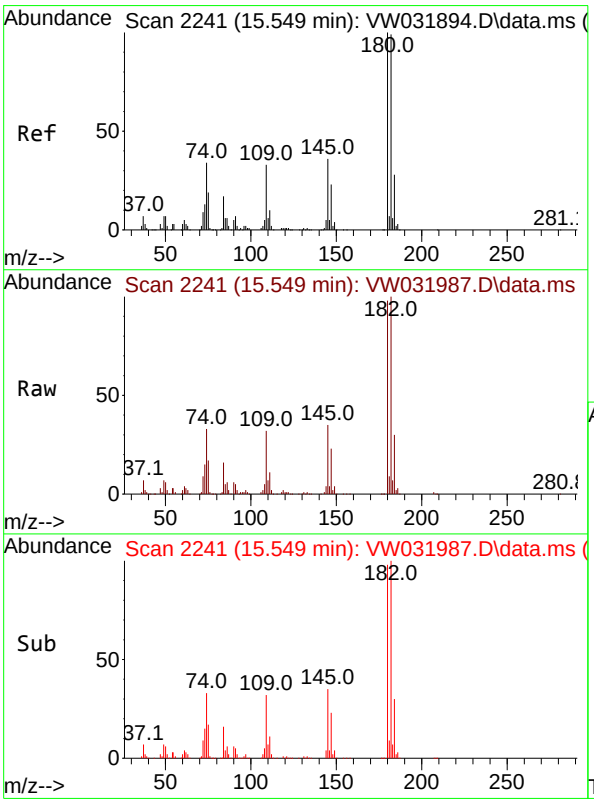
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.0	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

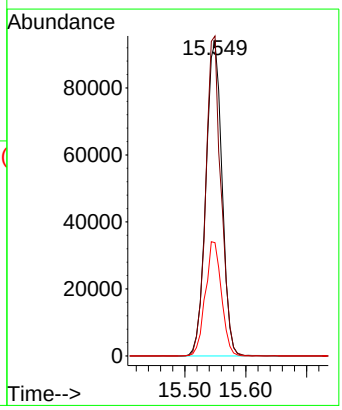
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.703 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:180 Resp: 172628

Ion	Ratio	Lower	Upper
180	100		
182	96.2	50.4	151.2
145	36.3	18.6	55.8



Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	109	0.00
2	T	Dichlorodifluoromethane	0.372	0.350	5.9	106	0.00
3	P	Chloromethane	0.477	0.475	0.4	119	0.00
4	C	Vinyl Chloride	0.620	0.591	4.7#	105	0.00
5	T	Bromomethane	0.456	0.449	1.5	112	-0.01
6	T	Chloroethane	0.409	0.406	0.7	113	-0.01
7	T	Trichlorofluoromethane	0.628	0.548	12.7	88	-0.01
8	T	Diethyl Ether	0.419	0.397	5.3	111	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.586	3.0	108	-0.01
10	T	Methyl Iodide	0.902	0.891	1.2	112	0.00
11	T	Tert butyl alcohol	0.044	0.045	-2.3	112	0.00
12	CM	1,1-Dichloroethene	0.667	0.641	3.9#	108	0.00
13	T	Acrolein	0.065	0.014	78.5#	28#	0.00
14	T	Allyl chloride	1.038	1.003	3.4	108	-0.01
15	T	Acrylonitrile	0.187	0.181	3.2	108	0.00
16	T	Acetone	0.179	0.181	-1.1	119	0.00
17	T	Carbon Disulfide	1.729	1.772	-2.5	114	-0.01
18	T	Methyl Acetate	0.494	0.497	-0.6	114	0.00
19	T	Methyl tert-butyl Ether	1.152	1.181	-2.5	114	0.00
20	T	Methylene Chloride	0.944	0.702	25.6#	101	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.687	2.8	108	-0.01
22	T	Diisopropyl ether	2.077	2.006	3.4	106	0.00
23	T	Vinyl Acetate	1.357	1.345	0.9	108	-0.01
24	P	1,1-Dichloroethane	1.293	1.249	3.4	108	0.00
25	T	2-Butanone	0.246	0.243	1.2	112	0.00
26	T	2,2-Dichloropropane	0.732	0.712	2.7	105	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.815	2.0	108	0.00
28	T	Bromochloromethane	0.541	0.463	14.4	96	0.00
29	T	Tetrahydrofuran	0.161	0.157	2.5	107	0.00
30	C	Chloroform	1.356	1.335	1.5#	111	0.00
31	T	Cyclohexane	1.160	1.053	9.2	104	0.00
32	T	1,1,1-Trichloroethane	1.032	1.017	1.5	109	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.691	8.6	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.340	0.330	2.9	104	0.00
36	T	1,1-Dichloropropene	0.522	0.527	-1.0	107	0.00
37	T	Ethyl Acetate	0.298	0.289	3.0	101	0.00
38	T	Carbon Tetrachloride	0.501	0.511	-2.0	107	0.00
39	T	Methylcyclohexane	0.657	0.678	-3.2	107	0.00
40	TM	Benzene	1.545	1.582	-2.4	108	0.00
41	T	Methacrylonitrile	0.178	0.176	1.1	102	0.00
42	TM	1,2-Dichloroethane	0.494	0.493	0.2	106	0.00
43	T	Isopropyl Acetate	0.539	0.554	-2.8	108	0.00
44	TM	Trichloroethene	0.367	0.369	-0.5	105	0.00
45	C	1,2-Dichloropropane	0.372	0.382	-2.7#	110	0.00
46	T	Dibromomethane	0.231	0.240	-3.9	110	0.00
47	T	Bromodichloromethane	0.553	0.576	-4.2	111	0.00
48	T	Methyl methacrylate	0.256	0.266	-3.9	107	0.00

Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	107	0.00
50	S	Toluene-d8	1.286	1.324	-3.0	112	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.309	-4.7	108	0.00
52	CM	Toluene	0.993	1.037	-4.4#	109	0.00
53	T	t-1,3-Dichloropropene	0.530	0.560	-5.7	111	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.634	-4.6	109	0.00
55	T	1,1,2-Trichloroethane	0.306	0.321	-4.9	110	0.00
56	T	Ethyl methacrylate	0.433	0.471	-8.8	110	0.00
57	T	1,3-Dichloropropane	0.540	0.549	-1.7	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.126	43.2#	58	0.00
59	T	2-Hexanone	0.205	0.217	-5.9	109	0.00
60	T	Dibromochloromethane	0.357	0.393	-10.1	115	0.00
61	T	1,2-Dibromoethane	0.303	0.310	-2.3	108	0.00
62	S	4-Bromofluorobenzene	0.494	0.478	3.2	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64	T	Tetrachloroethene	0.330	0.344	-4.2	115	0.00
65	PM	Chlorobenzene	1.224	1.223	0.1	107	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.393	-3.7	113	0.00
67	C	Ethyl Benzene	2.150	2.163	-0.6#	106	0.00
68	T	m/p-Xylenes	0.809	0.831	-2.7	110	0.00
69	T	o-Xylene	0.766	0.792	-3.4	108	0.00
70	T	Styrene	1.304	1.338	-2.6	107	0.00
71	P	Bromoform	0.207	0.226	-9.2	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	4.338	4.507	-3.9	105	0.00
74	T	N-amyl acetate	1.173	1.269	-8.2	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.973	-5.6	109	0.00
76	T	1,2,3-Trichloropropane	0.690	0.697	-1.0	104	0.00
77	T	Bromobenzene	0.939	0.996	-6.1	112	0.00
78	T	n-propylbenzene	5.328	5.592	-5.0	108	0.00
79	T	2-Chlorotoluene	3.181	3.301	-3.8	108	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.761	-3.4	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.334	-11.7	114	0.00
82	T	4-Chlorotoluene	3.337	3.436	-3.0	107	0.00
83	T	tert-Butylbenzene	3.099	3.269	-5.5	109	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.832	-4.0	107	0.00
85	T	sec-Butylbenzene	4.654	4.773	-2.6	106	0.00
86	T	p-Isopropyltoluene	3.847	3.864	-0.4	103	0.00
87	T	1,3-Dichlorobenzene	1.954	2.038	-4.3	109	0.00
88	T	1,4-Dichlorobenzene	1.914	2.031	-6.1	114	0.00
89	T	n-Butylbenzene	3.774	3.929	-4.1	105	0.00
90	T	Hexachloroethane	0.665	0.707	-6.3	113	0.00
91	T	1,2-Dichlorobenzene	1.732	1.763	-1.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.174	-4.8	111	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.086	-4.0	113	0.00
94	T	Hexachlorobutadiene	0.495	0.535	-8.1	112	0.00
95	T	Naphthalene	2.567	2.749	-7.1	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	0.997	-5.4	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VW031987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	109	0.00
2	T	Dichlorodifluoromethane	50.000	47.057	5.9	106	0.00
3	P	Chloromethane	50.000	49.763	0.5	119	0.00
4	C	Vinyl Chloride	50.000	47.700	4.6#	105	0.00
5	T	Bromomethane	50.000	49.227	1.5	112	-0.01
6	T	Chloroethane	50.000	49.649	0.7	113	-0.01
7	T	Trichlorofluoromethane	50.000	43.649	12.7	88	-0.01
8	T	Diethyl Ether	50.000	47.301	5.4	111	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.501	3.0	108	-0.01
10	T	Methyl Iodide	50.000	49.340	1.3	112	0.00
11	T	Tert butyl alcohol	250.000	252.460	-1.0	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.043	3.9#	108	0.00
13	T	Acrolein	250.000	46.885	81.2#	28	0.00
14	T	Allyl chloride	50.000	48.328	3.3	108	-0.01
15	T	Acrylonitrile	250.000	241.666	3.3	108	0.00
16	T	Acetone	250.000	252.797	-1.1	119	0.00
17	T	Carbon Disulfide	50.000	51.244	-2.5	114	-0.01
18	T	Methyl Acetate	50.000	50.222	-0.4	114	0.00
19	T	Methyl tert-butyl Ether	50.000	51.249	-2.5	114	0.00
20	T	Methylene Chloride	50.000	45.265	9.5	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.582	2.8	108	-0.01
22	T	Diisopropyl ether	50.000	48.308	3.4	106	0.00
23	T	Vinyl Acetate	250.000	247.825	0.9	108	-0.01
24	P	1,1-Dichloroethane	50.000	48.284	3.4	108	0.00
25	T	2-Butanone	250.000	247.094	1.2	112	0.00
26	T	2,2-Dichloropropane	50.000	48.611	2.8	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.978	2.0	108	0.00
28	T	Bromochloromethane	50.000	42.729	14.5	96	0.00
29	T	Tetrahydrofuran	250.000	243.457	2.6	107	0.00
30	C	Chloroform	50.000	49.247	1.5#	111	0.00
31	T	Cyclohexane	50.000	45.408	9.2	104	0.00
32	T	1,1,1-Trichloroethane	50.000	49.272	1.5	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.708	8.6	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	48.577	2.8	104	0.00
36	T	1,1-Dichloropropene	50.000	50.527	-1.1	107	0.00
37	T	Ethyl Acetate	50.000	48.529	2.9	101	0.00
38	T	Carbon Tetrachloride	50.000	51.041	-2.1	107	0.00
39	T	Methylcyclohexane	50.000	51.613	-3.2	107	0.00
40	TM	Benzene	50.000	51.223	-2.4	108	0.00
41	T	Methacrylonitrile	50.000	49.512	1.0	102	0.00
42	TM	1,2-Dichloroethane	50.000	49.822	0.4	106	0.00
43	T	Isopropyl Acetate	50.000	51.403	-2.8	108	0.00
44	TM	Trichloroethene	50.000	50.248	-0.5	105	0.00
45	C	1,2-Dichloropropane	50.000	51.362	-2.7#	110	0.00
46	T	Dibromomethane	50.000	52.012	-4.0	110	0.00
47	T	Bromodichloromethane	50.000	52.128	-4.3	111	0.00
48	T	Methyl methacrylate	50.000	51.905	-3.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1170.411	-17.0	107	0.00
50	S	Toluene-d8	50.000	51.473	-2.9	112	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.891	-4.8	108	0.00
52	CM	Toluene	50.000	52.228	-4.5#	109	0.00
53	T	t-1,3-Dichloropropene	50.000	52.793	-5.6	111	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.326	-4.7	109	0.00
55	T	1,1,2-Trichloroethane	50.000	52.349	-4.7	110	0.00
56	T	Ethyl methacrylate	50.000	54.458	-8.9	110	0.00
57	T	1,3-Dichloropropane	50.000	50.881	-1.8	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	141.845	43.3#	58	0.00
59	T	2-Hexanone	250.000	264.279	-5.7	109	0.00
60	T	Dibromochloromethane	50.000	54.958	-9.9	115	0.00
61	T	1,2-Dibromoethane	50.000	51.251	-2.5	108	0.00
62	S	4-Bromofluorobenzene	50.000	48.388	3.2	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64	T	Tetrachloroethene	50.000	52.168	-4.3	115	0.00
65	PM	Chlorobenzene	50.000	49.985	0.0	107	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.860	-3.7	113	0.00
67	C	Ethyl Benzene	50.000	50.298	-0.6#	106	0.00
68	T	m/p-Xylenes	100.000	102.663	-2.7	110	0.00
69	T	o-Xylene	50.000	51.699	-3.4	108	0.00
70	T	Styrene	50.000	51.290	-2.6	107	0.00
71	P	Bromoform	50.000	54.531	-9.1	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.943	-3.9	105	0.00
74	T	N-amyl acetate	50.000	54.105	-8.2	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.808	-5.6	109	0.00
76	T	1,2,3-Trichloropropane	50.000	50.481	-1.0	104	0.00
77	T	Bromobenzene	50.000	53.039	-6.1	112	0.00
78	T	n-propylbenzene	50.000	52.475	-5.0	108	0.00
79	T	2-Chlorotoluene	50.000	51.882	-3.8	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.678	-3.4	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.779	-11.6	114	0.00
82	T	4-Chlorotoluene	50.000	51.476	-3.0	107	0.00
83	T	tert-Butylbenzene	50.000	52.740	-5.5	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.028	-4.1	107	0.00
85	T	sec-Butylbenzene	50.000	51.273	-2.5	106	0.00
86	T	p-Isopropyltoluene	50.000	50.226	-0.5	103	0.00
87	T	1,3-Dichlorobenzene	50.000	52.145	-4.3	109	0.00
88	T	1,4-Dichlorobenzene	50.000	53.064	-6.1	114	0.00
89	T	n-Butylbenzene	50.000	52.053	-4.1	105	0.00
90	T	Hexachloroethane	50.000	53.146	-6.3	113	0.00
91	T	1,2-Dichlorobenzene	50.000	50.911	-1.8	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.255	-4.5	111	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.994	-4.0	113	0.00
94	T	Hexachlorobutadiene	50.000	54.030	-8.1	112	0.00
95	T	Naphthalene	50.000	53.533	-7.1	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.703	-5.4	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW032002.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/04/2025 15:24
Lab File ID: VW032002.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.373		0.27	50
Chloromethane	0.477	0.522	0.1	9.43	50
Vinyl Chloride	0.620	0.612		-1.29	50
Bromomethane	0.456	0.495		8.55	50
Chloroethane	0.409	0.444		8.56	50
Tetrahydrofuran	0.161	0.192		19.25	50
Trichlorofluoromethane	0.628	0.608		-3.18	50
1,1,2-Trichlorotrifluoroethane	0.604	0.638		5.63	50
1,1-Dichloroethene	0.667	0.690		3.45	50
Acrylonitrile	0.187	0.222		18.72	50
Acetone	0.179	0.185		3.35	50
Carbon Disulfide	1.729	1.869		8.1	50
Methyl tert-butyl Ether	1.152	1.353		17.45	50
Methylene Chloride	0.944	0.795		-15.78	50
trans-1,2-Dichloroethene	0.707	0.771		9.05	50
1,1-Dichloroethane	1.293	1.416	0.1	9.51	50
2-Butanone	0.246	0.279		13.41	50
Carbon Tetrachloride	0.501	0.495		-1.2	50
2,2-Dichloropropane	0.732	0.748		2.19	50
cis-1,2-Dichloroethene	0.832	0.933		12.14	50
Chloroform	1.356	1.502		10.77	50
1,1,1-Trichloroethane	1.032	1.091		5.72	50
1,1-Dichloropropene	0.522	0.528		1.15	50
Benzene	1.545	1.617		4.66	50
1,2-Dichloroethane	0.494	0.522		5.67	50
Trichloroethene	0.367	0.386		5.18	50
1,2-Dichloropropane	0.372	0.398		6.99	50
Dibromomethane	0.231	0.253		9.52	50
Bromodichloromethane	0.553	0.588		6.33	50
4-Methyl-2-Pentanone	0.295	0.338		14.58	50
Toluene	0.993	1.028		3.53	50
t-1,3-Dichloropropene	0.530	0.566		6.79	50
cis-1,3-Dichloropropene	0.606	0.650		7.26	50
1,1,2-Trichloroethane	0.306	0.337		10.13	50
1,3-Dichloropropane	0.540	0.587		8.7	50
2-Hexanone	0.205	0.232		13.17	50
Dibromochloromethane	0.357	0.398		11.48	50
1,2-Dibromoethane	0.303	0.332		9.57	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW032002.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG No.: Q2747
Instrument ID: MSVOA_W
Calibration Date/Time: 08/04/2025 15:24
Lab File ID: VW032002.D
Init. Calib. Date(s): 07/22/2025 07/22/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:05 12:00
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.330	0.335		1.51	50
Chlorobenzene	1.224	1.249	0.3	2.04	50
1,1,1,2-Tetrachloroethane	0.379	0.396		4.49	50
Ethyl Benzene	2.150	2.196		2.14	50
m/p-Xylenes	0.809	0.824		1.85	50
o-Xylene	0.766	0.783		2.22	50
Styrene	1.304	1.382		5.98	50
Bromoform	0.207	0.233	0.1	12.56	50
Isopropylbenzene	4.338	4.277		-1.41	50
1,1,2,2-Tetrachloroethane	0.921	0.967	0.3	4.99	50
1,2,3-Trichloropropane	0.690	0.729		5.65	50
Bromobenzene	0.939	1.001		6.6	50
n-propylbenzene	5.328	5.215		-2.12	50
2-Chlorotoluene	3.181	3.146		-1.1	50
1,3,5-Trimethylbenzene	3.638	3.618		-0.55	50
4-Chlorotoluene	3.337	3.259		-2.34	50
tert-Butylbenzene	3.099	3.018		-2.61	50
1,2,4-Trimethylbenzene	3.683	3.572		-3.01	50
sec-Butylbenzene	4.654	4.456		-4.25	50
p-Isopropyltoluene	3.847	3.725		-3.17	50
1,3-Dichlorobenzene	1.954	1.766		-9.62	50
1,4-Dichlorobenzene	1.914	1.912		-0.1	50
n-Butylbenzene	3.774	3.679		-2.52	50
1,2-Dichlorobenzene	1.732	1.780		2.77	50
1,2-Dibromo-3-Chloropropane	0.166	0.172		3.61	50
1,2,4-Trichlorobenzene	1.044	1.036		-0.77	50
Hexachlorobutadiene	0.495	0.473		-4.44	50
1,2,3-Trichlorobenzene	0.946	0.970		2.54	50
1,2-Dichloroethane-d4	0.756	0.771		1.98	50
Dibromofluoromethane	0.340	0.339		-0.29	50
Toluene-d8	1.286	1.230		-4.36	50
4-Bromofluorobenzene	0.494	0.482		-2.43	50
trans-1,4-Dichloro-2-butene	0.299	0.310		3.68	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	210865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	411619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	375477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	177640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162574	50.966	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.940%			
35) Dibromofluoromethane	7.898	113	139653	49.929	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.860%			
50) Toluene-d8	10.324	98	506349	47.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.617	95	198243	48.771	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	78662	50.193	ug/l	98
3) Chloromethane	2.259	50	110157	54.763	ug/l	98
4) Vinyl Chloride	2.405	62	128952	49.350	ug/l	99
5) Bromomethane	2.826	94	104463	54.290	ug/l	99
6) Chloroethane	2.966	64	93658	54.308	ug/l	99
7) Trichlorofluoromethane	3.307	101	128247	48.458	ug/l	100
8) Diethyl Ether	3.722	74	94004	53.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	134456	52.819	ug/l	98
10) Methyl Iodide	4.313	142	197932	52.004	ug/l	99
11) Tert butyl alcohol	5.228	59	56395	300.768	ug/l	100
12) 1,1-Dichloroethene	4.082	96	145568	51.773	ug/l	97
13) Acrolein	3.929	56	14972	49.545	ug/l	98
14) Allyl chloride	4.709	41	229096	52.341	ug/l	99
15) Acrylonitrile	5.404	53	233800	295.808	ug/l	98
16) Acetone	4.161	43	195270	257.974	ug/l	99
17) Carbon Disulfide	4.423	76	394155	54.053	ug/l	99
18) Methyl Acetate	4.709	43	136825	65.611	ug/l	100
19) Methyl tert-butyl Ether	5.465	73	285227	58.711	ug/l	98
20) Methylene Chloride	4.959	84	167663	51.974	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	162609	54.508	ug/l	99
22) Diisopropyl ether	6.343	45	487017	55.606	ug/l	99
23) Vinyl Acetate	6.282	43	1599078	279.463	ug/l	98
24) 1,1-Dichloroethane	6.246	63	298659	54.769	ug/l	99
25) 2-Butanone	7.197	43	294187	284.058	ug/l	97
26) 2,2-Dichloropropane	7.185	77	157807	51.117	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	196701	56.086	ug/l	99
28) Bromochloromethane	7.532	49	109656	48.028	ug/l	97
29) Tetrahydrofuran	7.550	42	202700	298.524	ug/l	100
30) Chloroform	7.691	83	316638	55.380	ug/l	96
31) Cyclohexane	7.971	56	246168	50.319	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	230094	52.886	ug/l	99
36) 1,1-Dichloropropene	8.099	75	217478	50.630	ug/l	98
37) Ethyl Acetate	7.276	43	132746	54.174	ug/l	99
38) Carbon Tetrachloride	8.087	117	203826	49.444	ug/l	90
39) Methylcyclohexane	9.343	83	269494	49.854	ug/l	99
40) Benzene	8.337	78	665711	52.355	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	72701	49.564	ug/l		89
42) 1,2-Dichloroethane	8.416	62	214722	52.764	ug/l		99
43) Isopropyl Acetate	8.434	43	240471	54.209	ug/l		99
44) Trichloroethene	9.105	130	159011	52.612	ug/l		94
45) 1,2-Dichloropropane	9.373	63	163908	53.525	ug/l		98
46) Dibromomethane	9.465	93	103944	54.757	ug/l		99
47) Bromodichloromethane	9.654	83	242060	53.178	ug/l		95
48) Methyl methacrylate	9.440	41	116879	55.382	ug/l		98
49) 1,4-Dioxane	9.465	88	22580	1192.087	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.215	43	695504	286.490	ug/l		99
52) Toluene	10.391	92	423299	51.787	ug/l		95
53) t-1,3-Dichloropropene	10.611	75	232934	53.347	ug/l		96
54) cis-1,3-Dichloropropene	10.080	75	267688	53.683	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	138694	55.004	ug/l		95
56) Ethyl methacrylate	10.647	69	200814	56.390	ug/l		99
57) 1,3-Dichloropropane	10.934	76	241452	54.354	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	448842	245.376	ug/l		99
59) 2-Hexanone	10.971	43	477821	283.159	ug/l		100
60) Dibromochloromethane	11.129	129	163699	55.682	ug/l		100
61) 1,2-Dibromoethane	11.239	107	136645	54.843	ug/l		99
64) Tetrachloroethene	10.867	164	125818	50.824	ug/l		91
65) Chlorobenzene	11.659	112	469117	51.049	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	148536	52.138	ug/l		97
67) Ethyl Benzene	11.733	91	824369	51.057	ug/l		97
68) m/p-Xylenes	11.836	106	618923	101.825	ug/l		98
69) o-Xylene	12.165	106	293833	51.081	ug/l		97
70) Styrene	12.178	104	518864	52.978	ug/l		99
71) Bromoform	12.348	173	87472	56.142	ug/l	#	100
73) Isopropylbenzene	12.464	105	759756	49.293	ug/l		98
74) N-amyl acetate	12.269	43	220001	52.797	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	171757	52.499	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	129466m	52.788	ug/l		
77) Bromobenzene	12.745	156	177897	53.344	ug/l		90
78) n-propylbenzene	12.799	91	926422	48.939	ug/l		99
79) 2-Chlorotoluene	12.891	91	558833	49.443	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	642679	49.717	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	55119	51.886	ug/l		96
82) 4-Chlorotoluene	12.988	91	578985	48.829	ug/l		100
83) tert-Butylbenzene	13.202	119	536042	48.682	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	634587	48.501	ug/l		96
85) sec-Butylbenzene	13.379	105	791591	47.871	ug/l		98
86) p-Isopropyltoluene	13.494	119	661739	48.416	ug/l		98
87) 1,3-Dichlorobenzene	13.501	146	313676	45.186	ug/l		94
88) 1,4-Dichlorobenzene	13.574	146	339595	49.938	ug/l		99
89) n-Butylbenzene	13.818	91	653516	48.742	ug/l		99
90) Hexachloroethane	14.092	117	113537	48.040	ug/l		94
91) 1,2-Dichlorobenzene	13.866	146	316158	51.389	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30503	51.606	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	183993	49.590	ug/l		98
94) Hexachlorobutadiene	15.226	225	83998	47.777	ug/l		100
95) Naphthalene	15.360	128	480952	52.726	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	172358	51.272	ug/l		92

Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

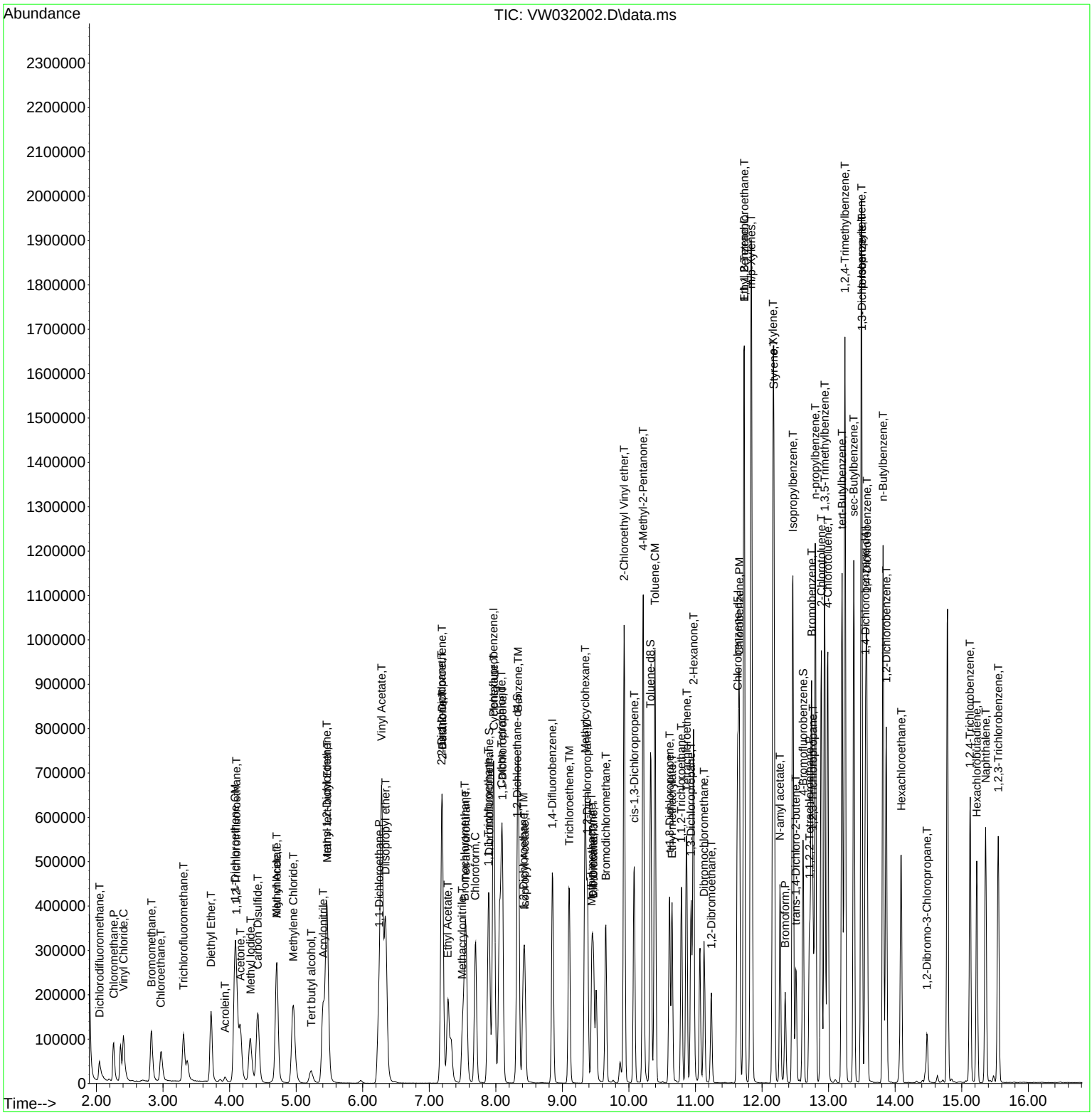
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

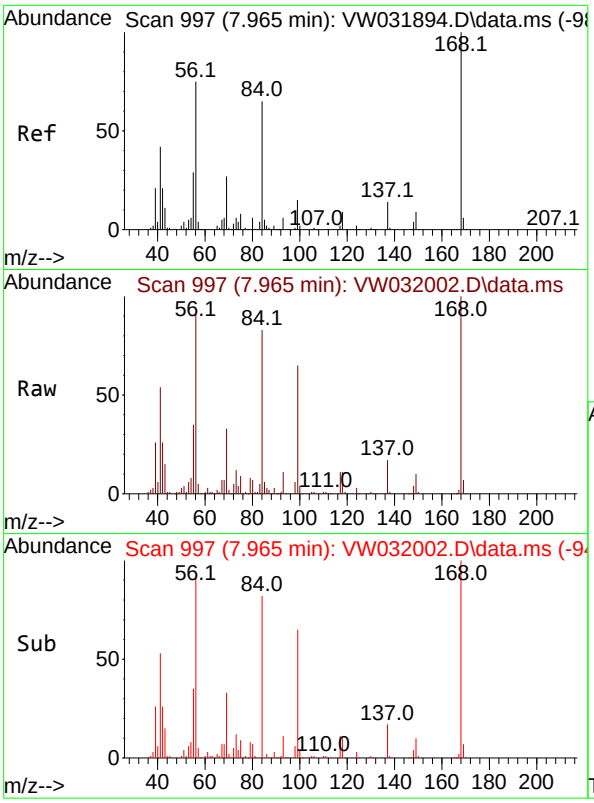
Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

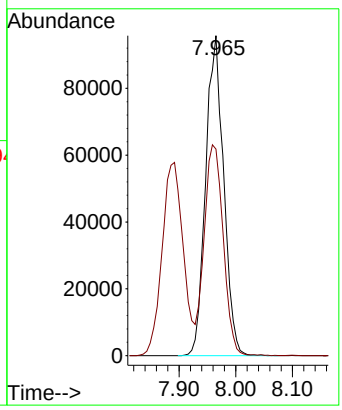
Tgt Ion:168 Resp: 21086

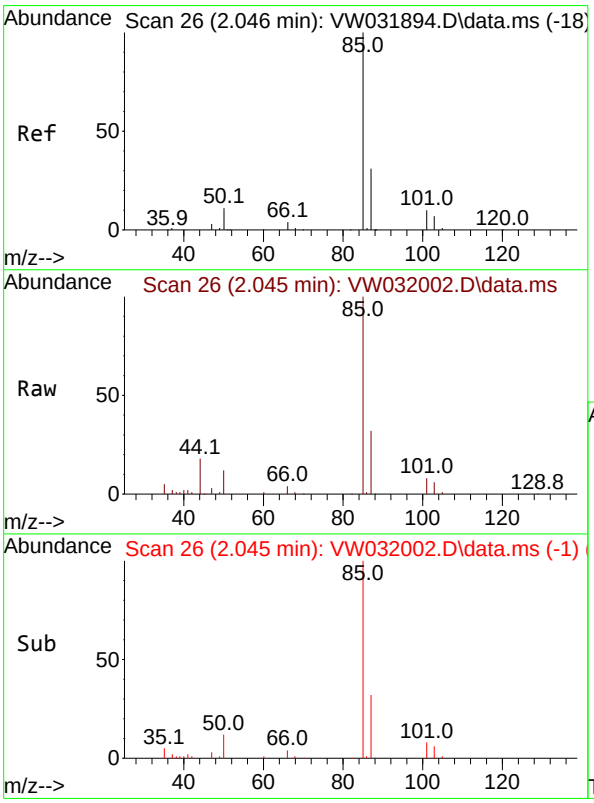
Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.2	72.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

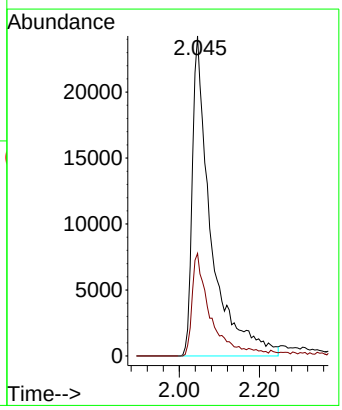


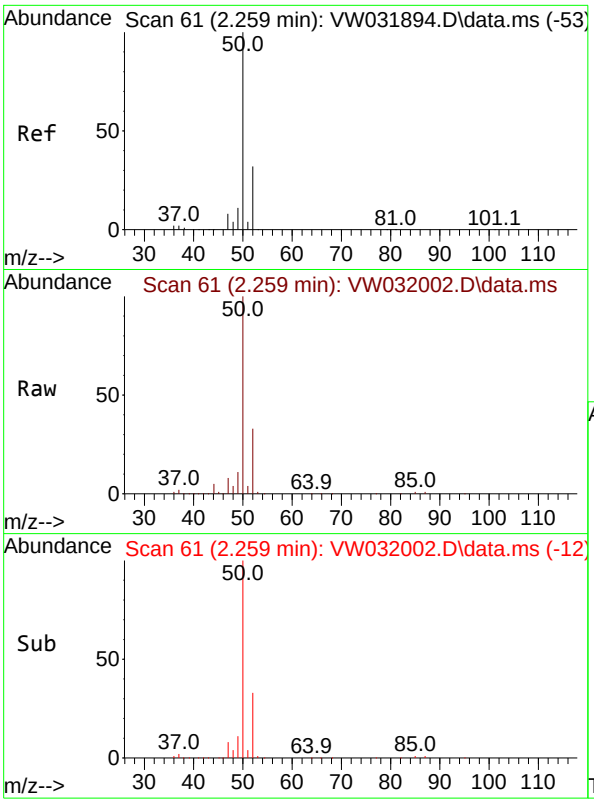


#2
Dichlorodifluoromethane
Concen: 50.193 ug/l
RT: 2.045 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 85 Resp: 78662

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.5	46.5

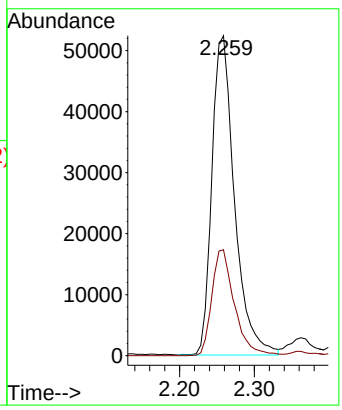




#3
Chloromethane
Concen: 54.763 ug/l
RT: 2.259 min Scan# 6
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 50 Resp: 11015

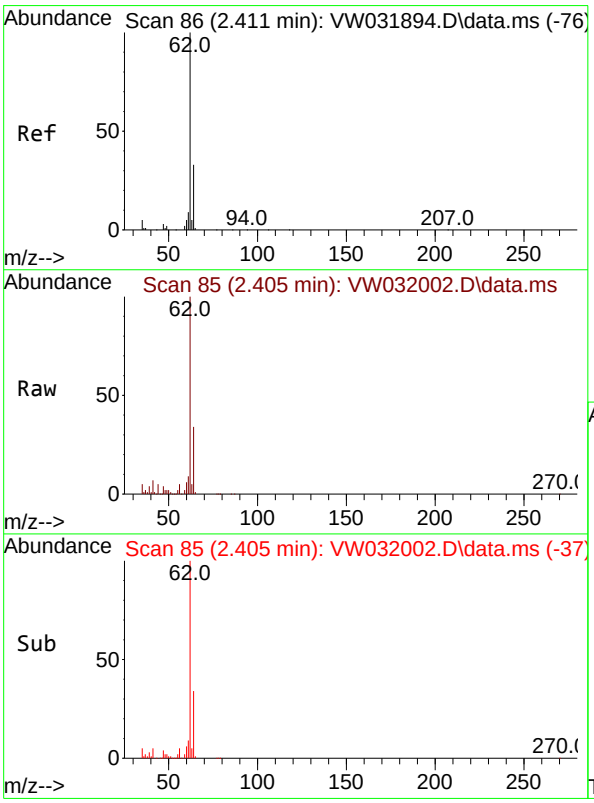
Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

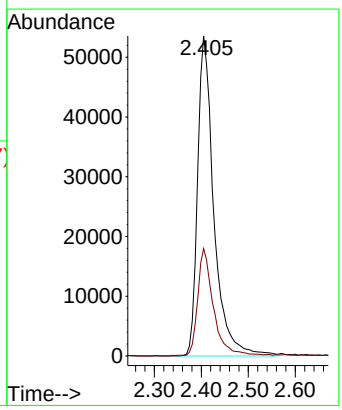
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

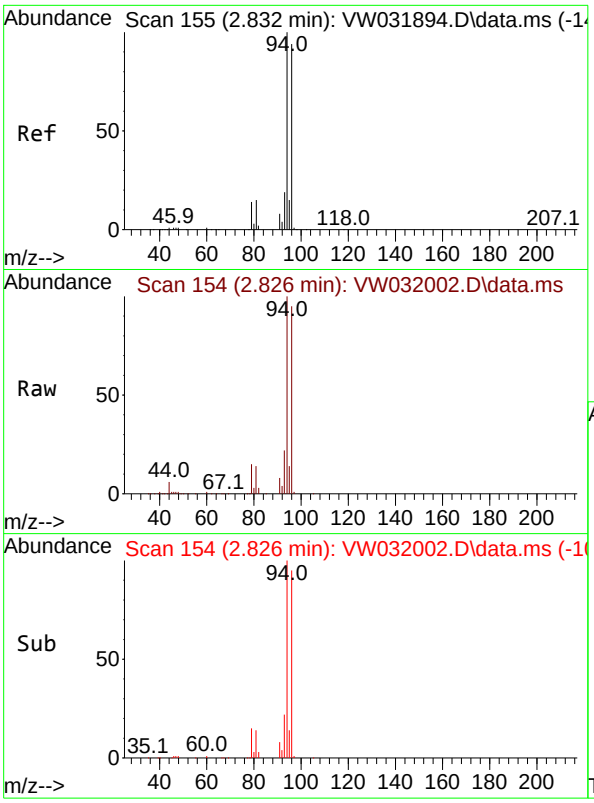


#4
Vinyl Chloride
Concen: 49.350 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 62 Resp: 128952

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.2

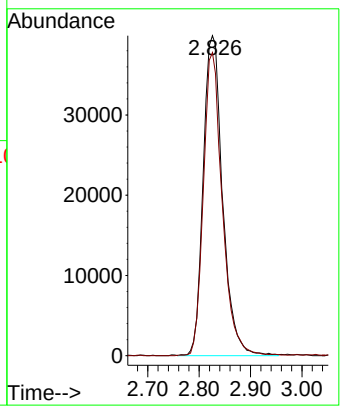




#5
Bromomethane
Concen: 54.290 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 94 Resp: 10446

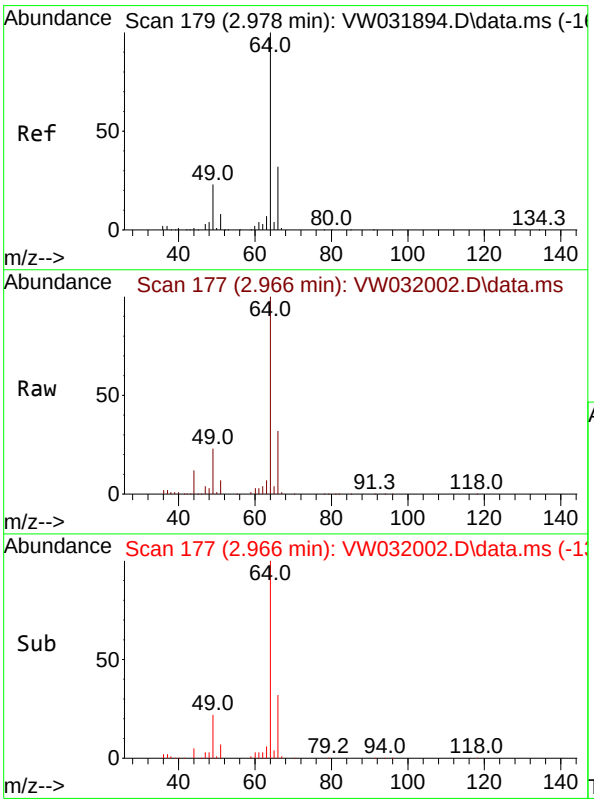
Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

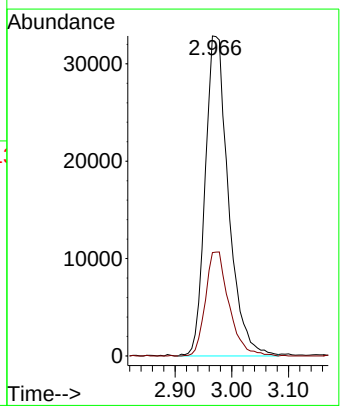
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

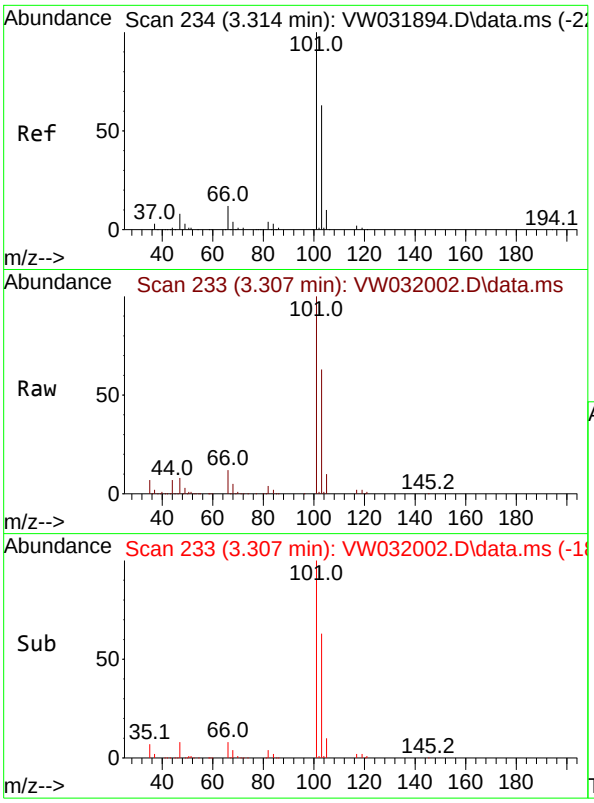


#6
Chloroethane
Concen: 54.308 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 64 Resp: 93658

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.6	38.4





#7
Trichlorofluoromethane
Concen: 48.458 ug/l
RT: 3.307 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

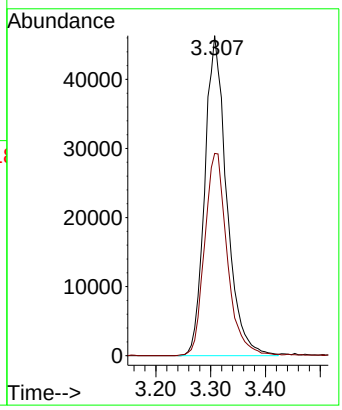
Tgt Ion:101 Resp: 12824

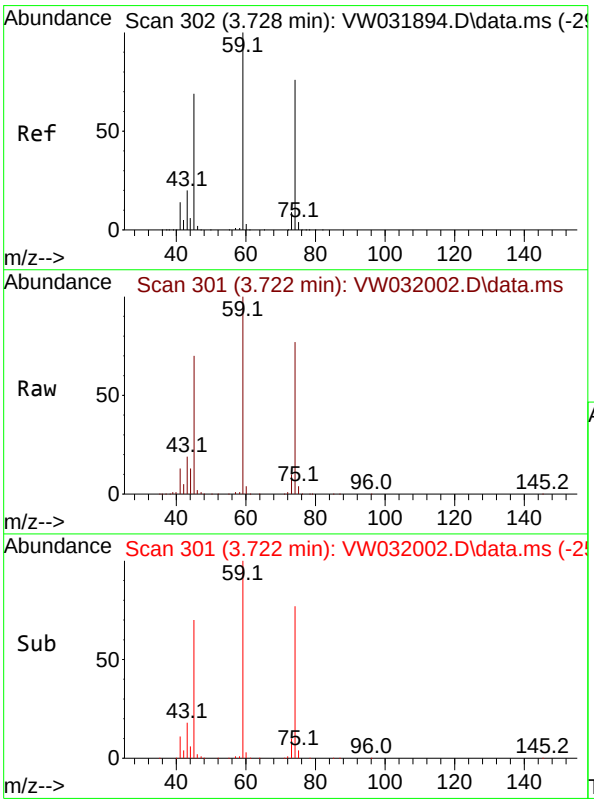
Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.7	76.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

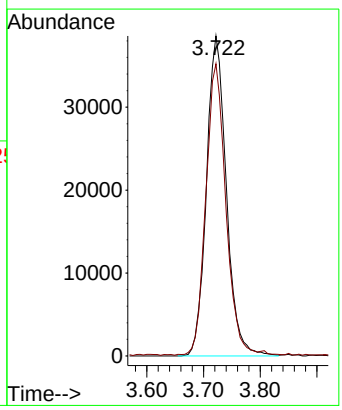


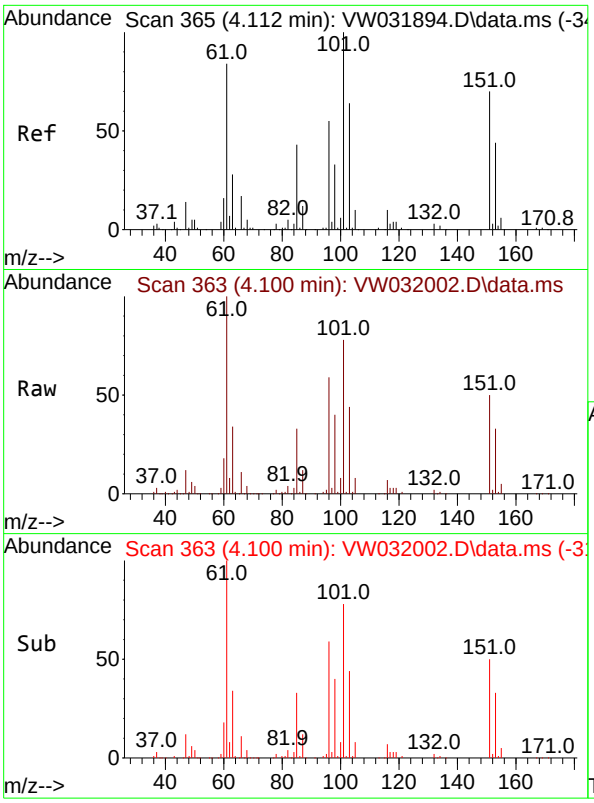


#8
Diethyl Ether
Concen: 53.173 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 74 Resp: 94004

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.819 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

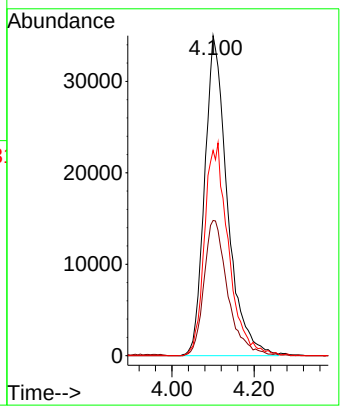
Tgt Ion:101 Resp: 13445

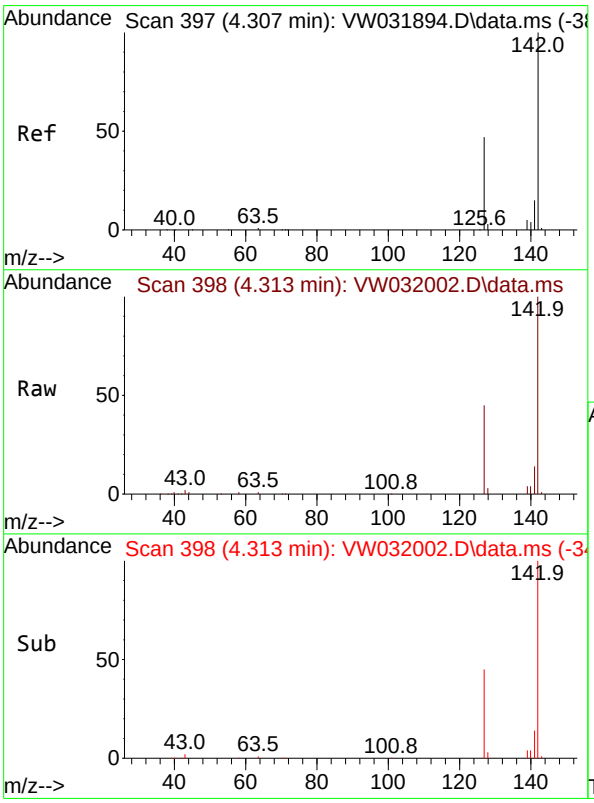
Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	70.0	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

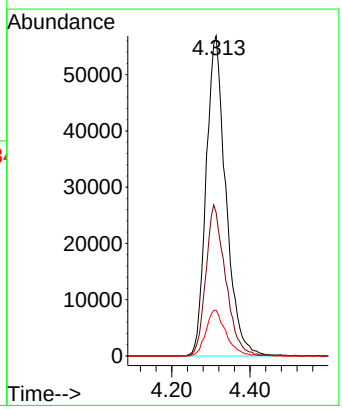


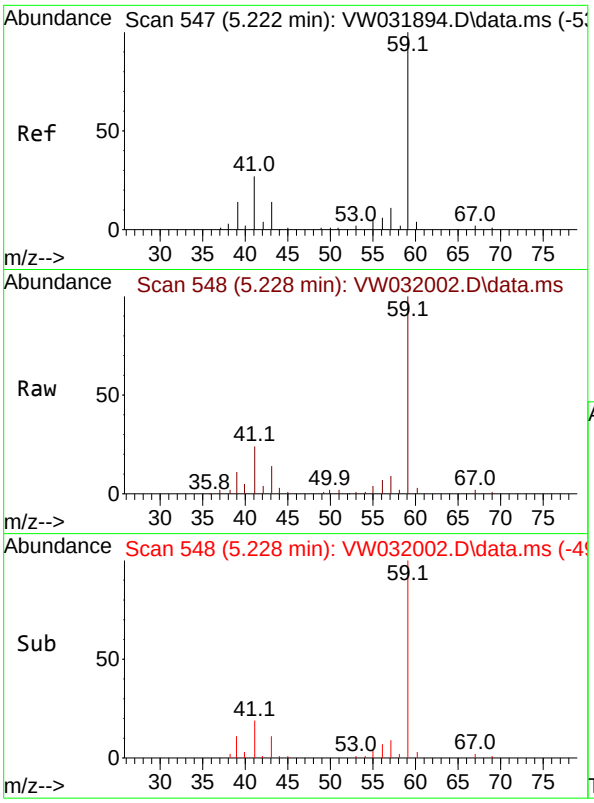


#10
Methyl Iodide
Concen: 52.004 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:142 Resp: 197932

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.4	56.2
141	14.6	11.9	17.9

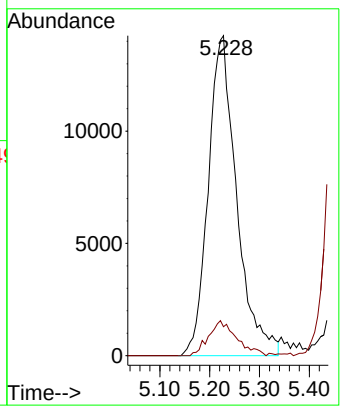




#11
Tert butyl alcohol
Concen: 300.768 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 59 Resp: 5639

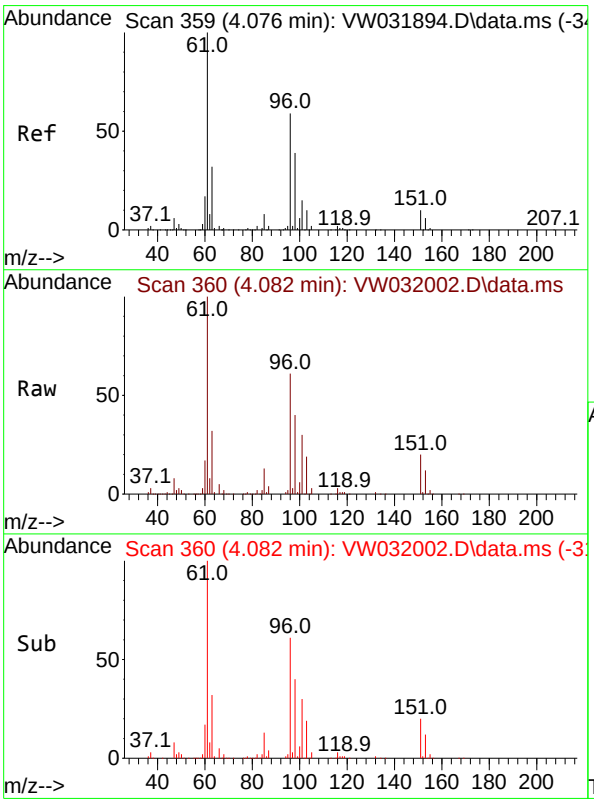
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

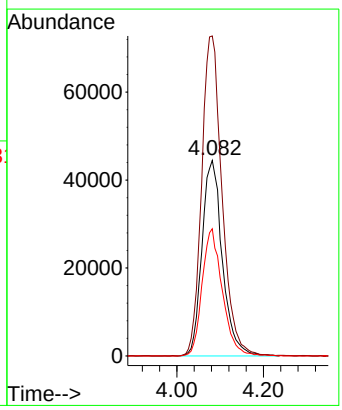
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

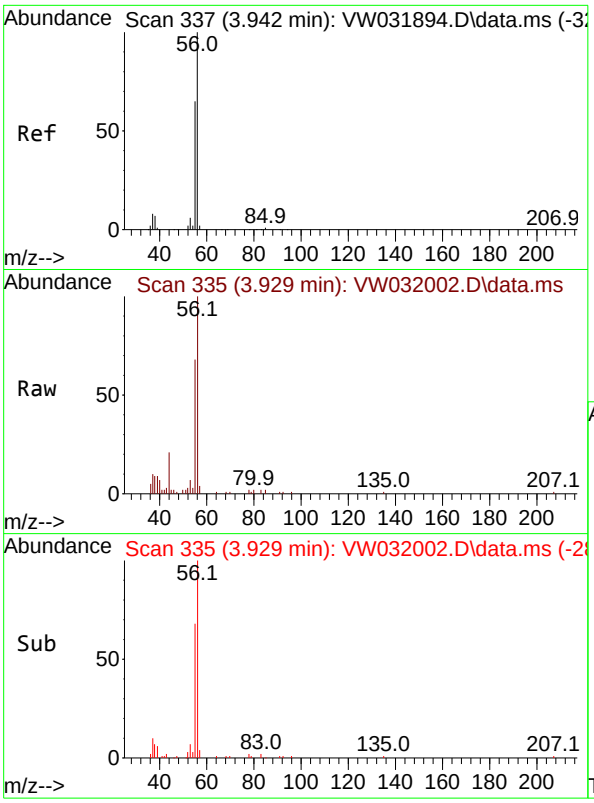


#12
1,1-Dichloroethene
Concen: 51.773 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 96 Resp: 145568

Ion	Ratio	Lower	Upper
96	100		
61	163.6	135.0	202.6
98	65.1	52.3	78.5





#13
Acrolein
Concen: 49.545 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

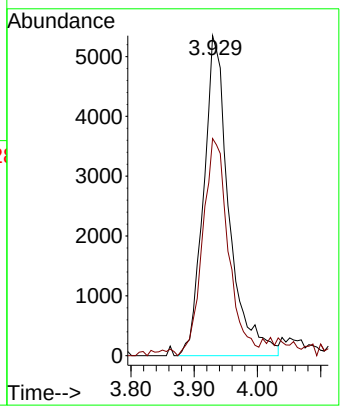
Tgt Ion: 56 Resp: 1497

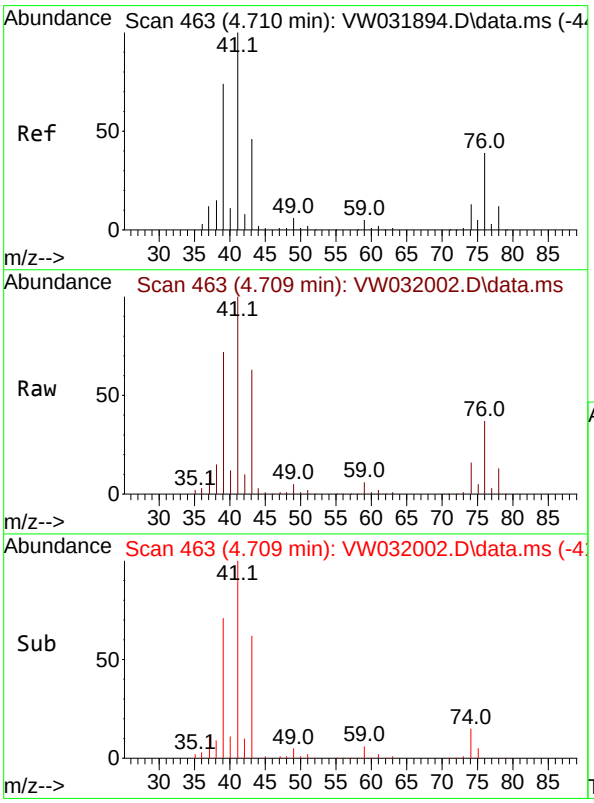
Ion	Ratio	Lower	Upper
56	100		
55	68.9	56.7	85.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

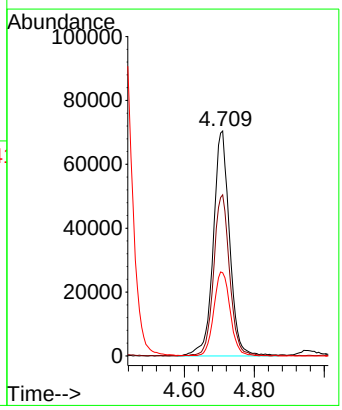


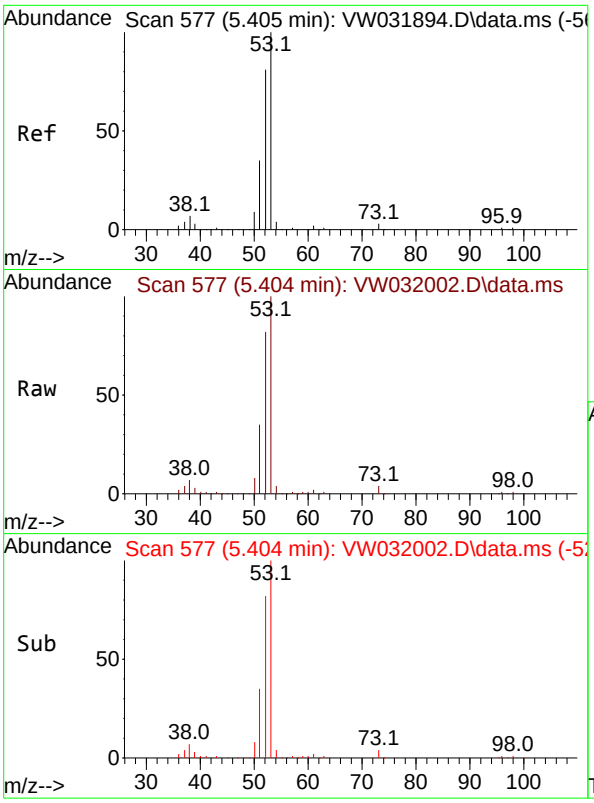


#14
Allyl chloride
Concen: 52.341 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 229096

Ion	Ratio	Lower	Upper
41	100		
39	69.7	56.6	85.0
76	37.1	30.1	45.1





#15
Acrylonitrile
Concen: 295.808 ug/l
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

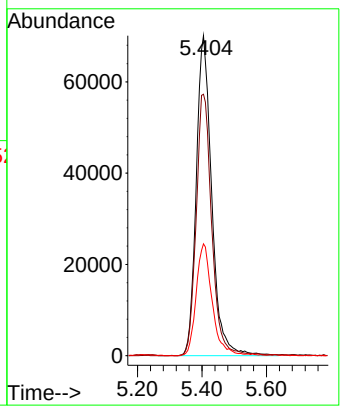
Tgt Ion: 53 Resp: 23380

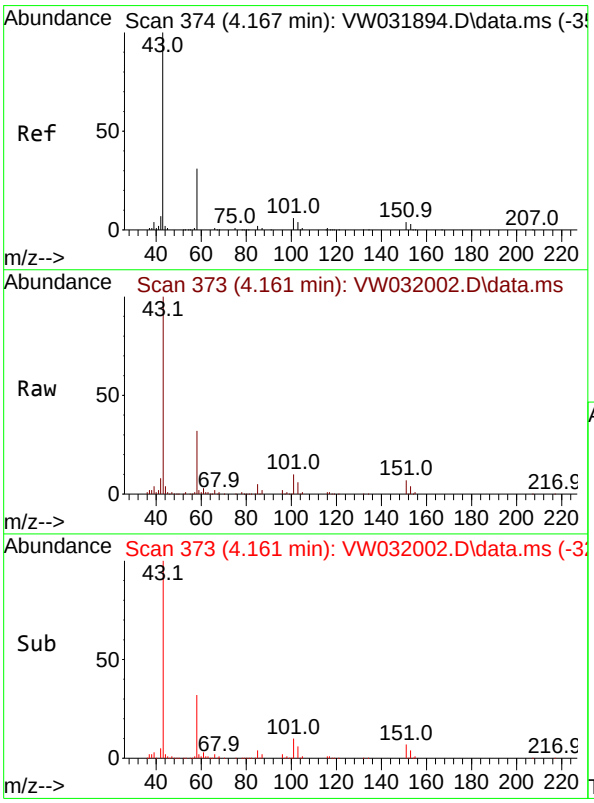
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.0	100.4
51	36.2	29.9	44.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

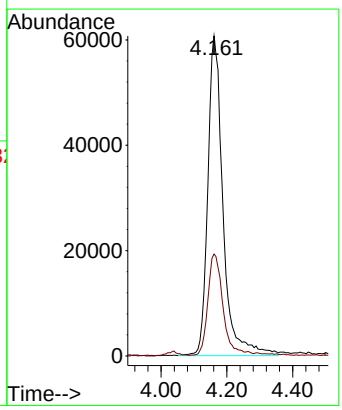


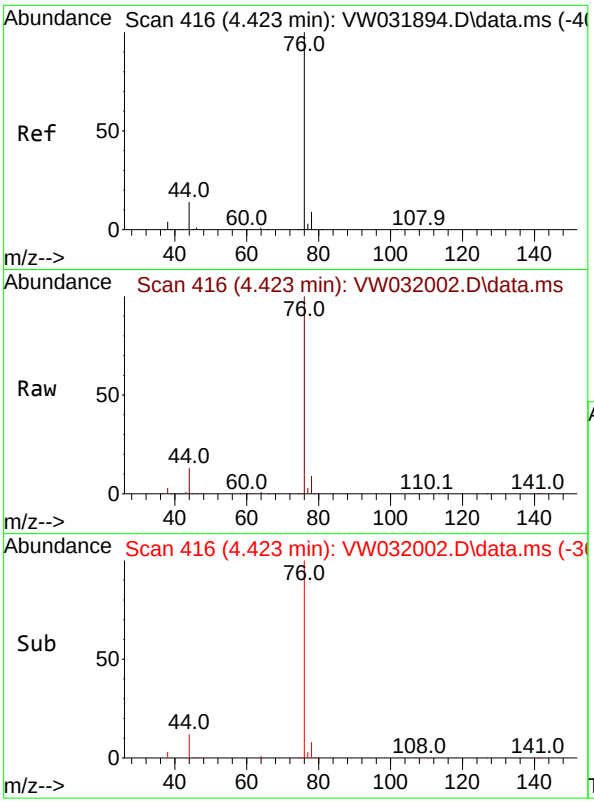


#16
Acetone
Concen: 257.974 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 195270

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.5	38.3

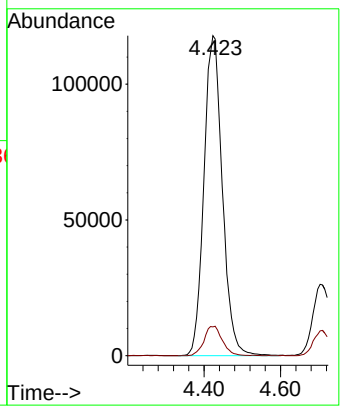




#17
Carbon Disulfide
Concen: 54.053 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 76 Resp: 39415

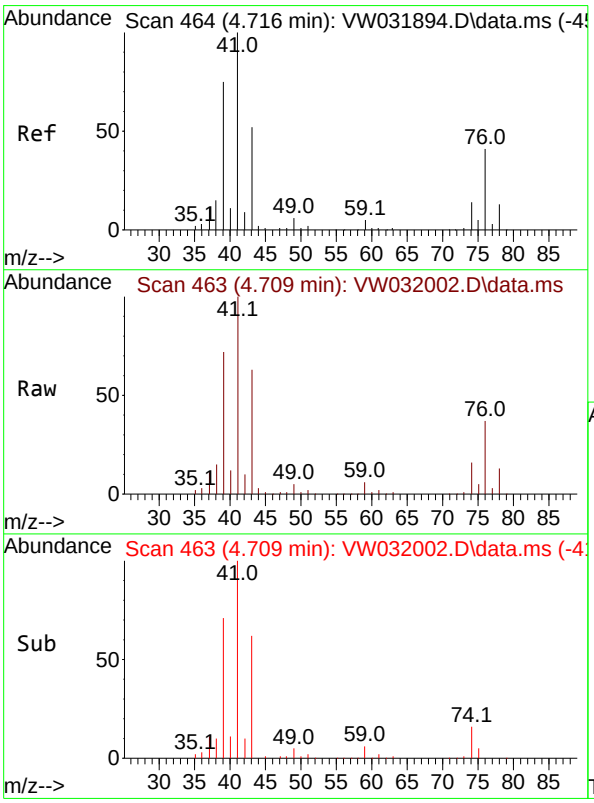
Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

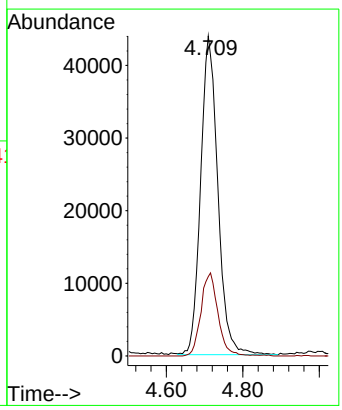
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

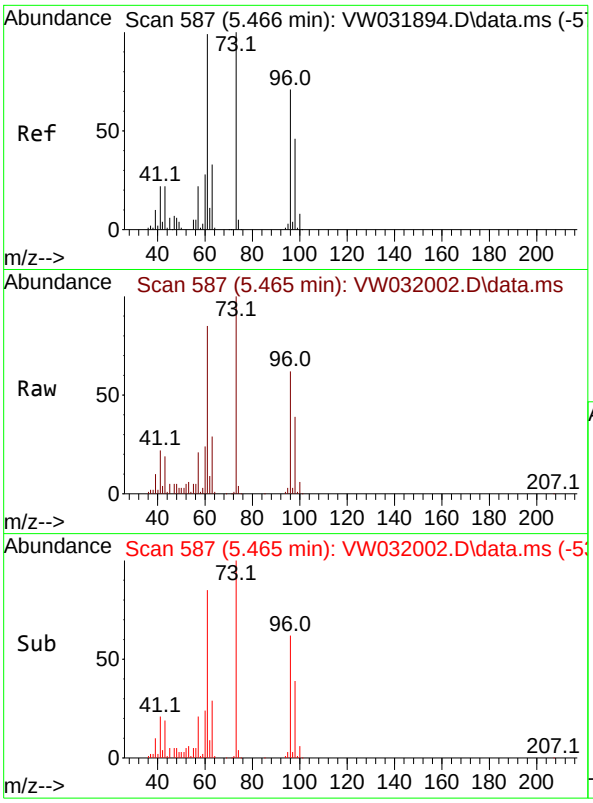


#18
Methyl Acetate
Concen: 65.611 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 136825

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	31.0

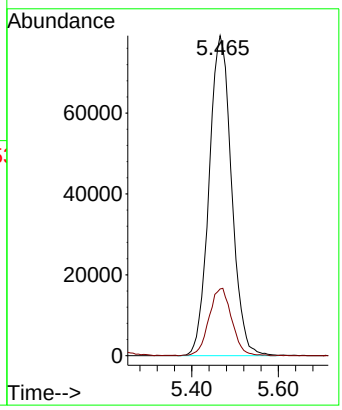




#19
Methyl tert-butyl Ether
Concen: 58.711 ug/l
RT: 5.465 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 73 Resp: 28522

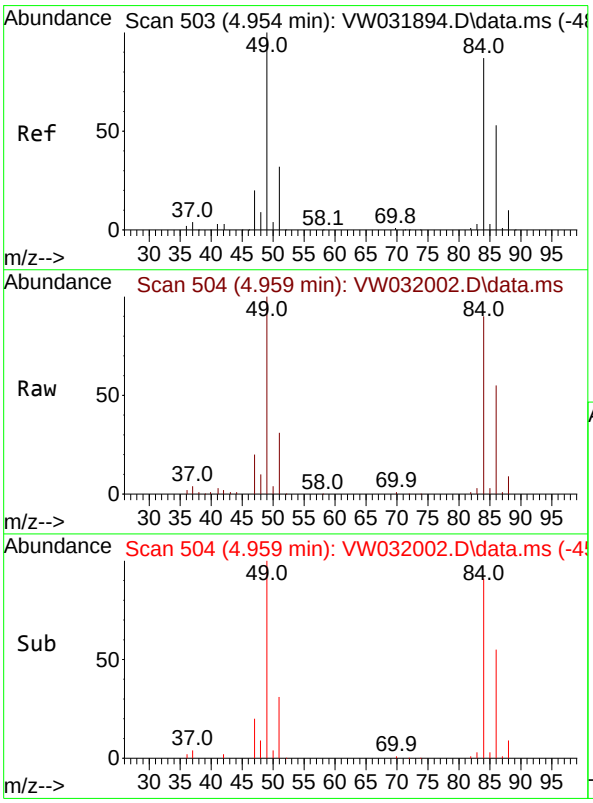
Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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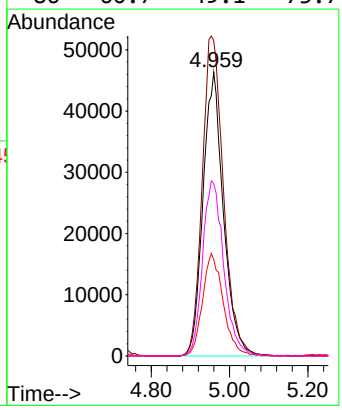
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

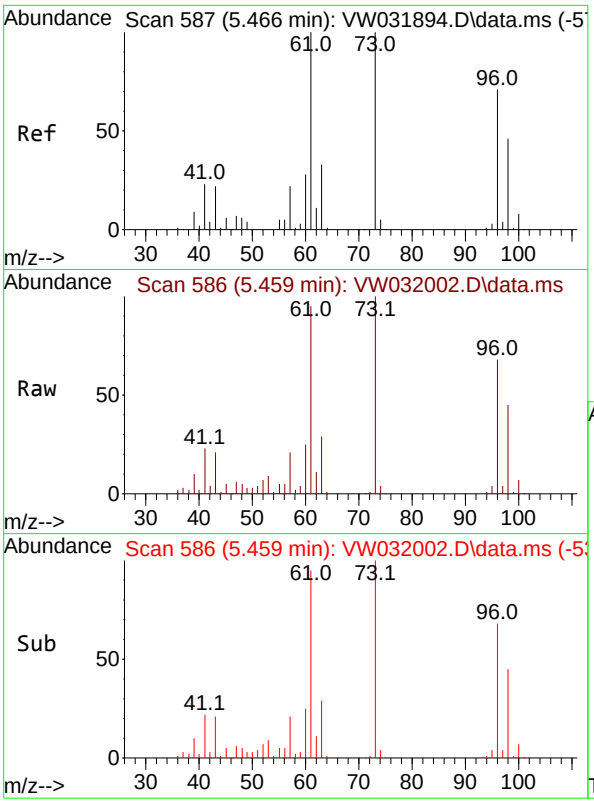


#20
Methylene Chloride
Concen: 51.974 ug/l
RT: 4.959 min Scan# 504
Delta R.T. 0.005 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 84 Resp: 167663

Ion	Ratio	Lower	Upper
84	100		
49	111.0	91.9	137.9
51	34.1	29.0	43.6
86	60.7	49.1	73.7

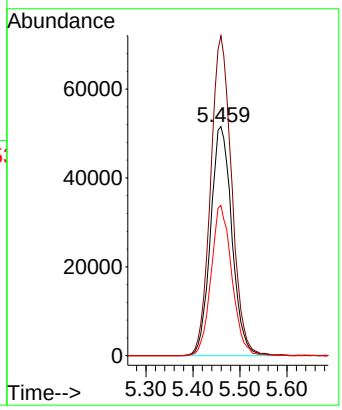




#21
trans-1,2-Dichloroethene
Concen: 54.508 ug/l
RT: 5.459 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 96 Resp: 16260

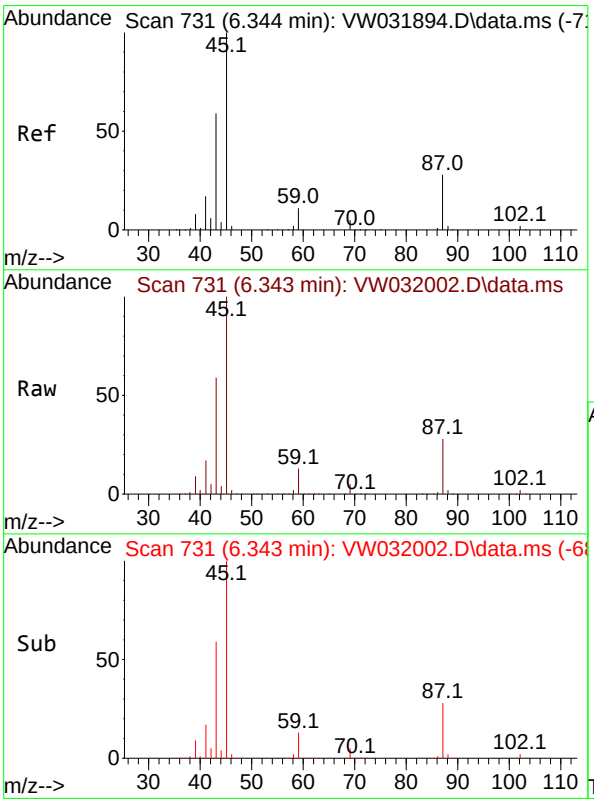
Ion	Ratio	Lower	Upper
96	100		
61	139.6	112.8	169.2
98	65.6	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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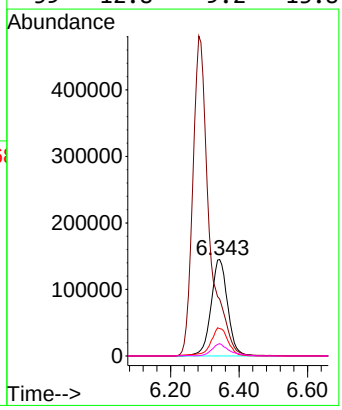
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

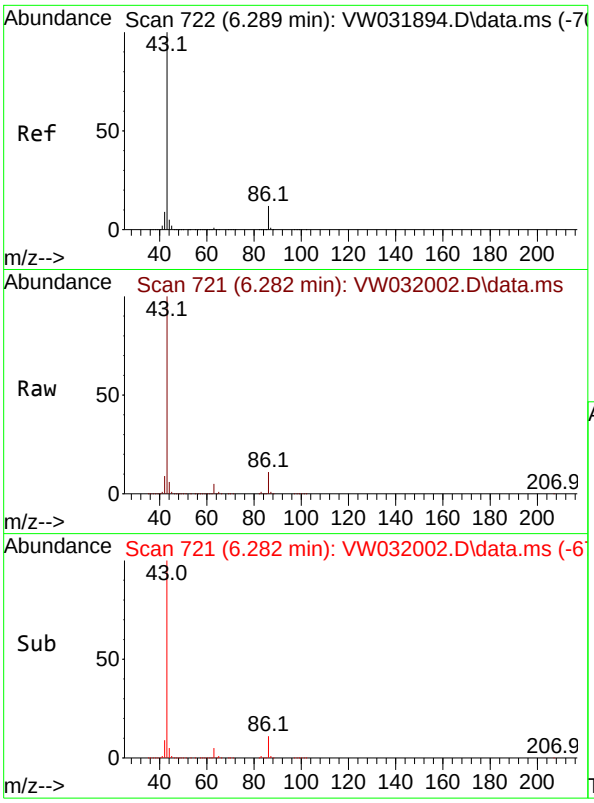


#22
Diisopropyl ether
Concen: 55.606 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 45 Resp: 487017

Ion	Ratio	Lower	Upper
45	100		
43	58.6	47.0	70.6
87	28.3	22.8	34.2
59	12.8	9.2	13.8





#23
Vinyl Acetate
Concen: 279.463 ug/l
RT: 6.282 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

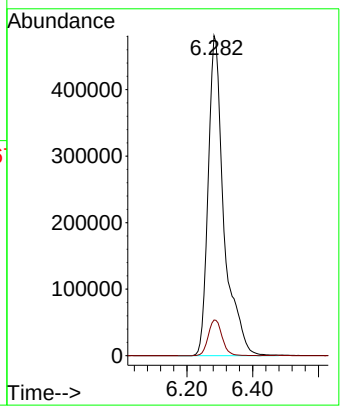
Tgt Ion: 43 Resp: 159907

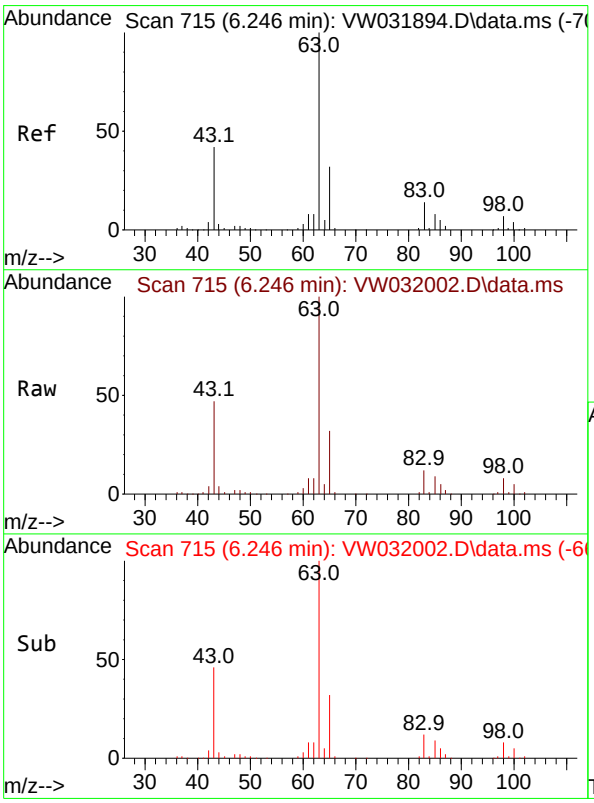
Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

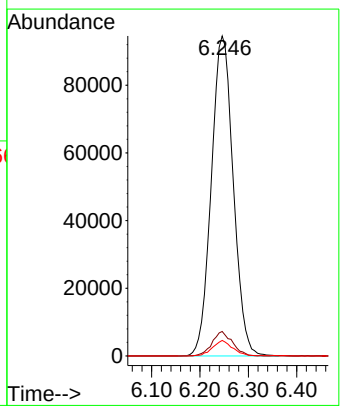


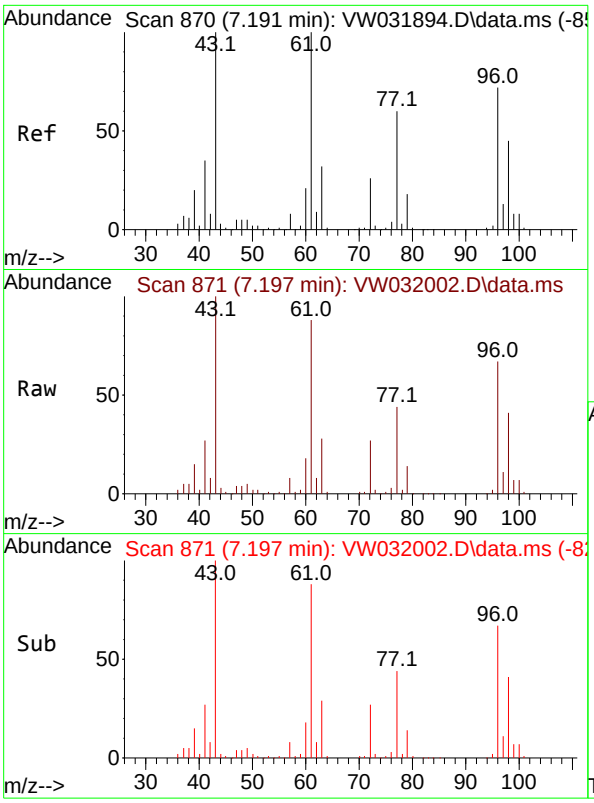


#24
1,1-Dichloroethane
Concen: 54.769 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 298659

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.9
100	4.8	2.2	6.6





#25
2-Butanone
Concen: 284.058 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

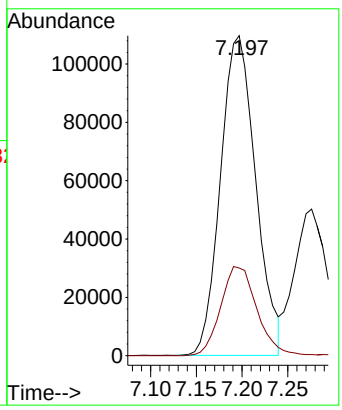
Tgt Ion: 43 Resp: 29418

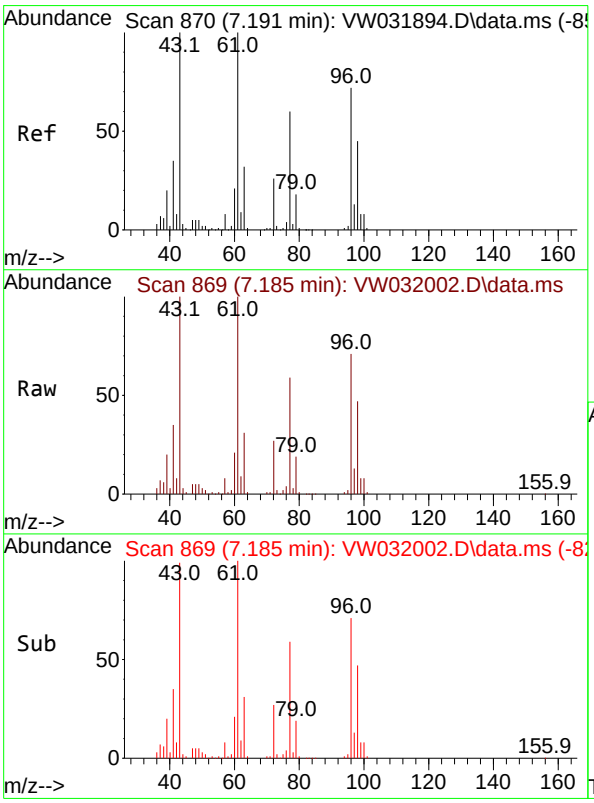
Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

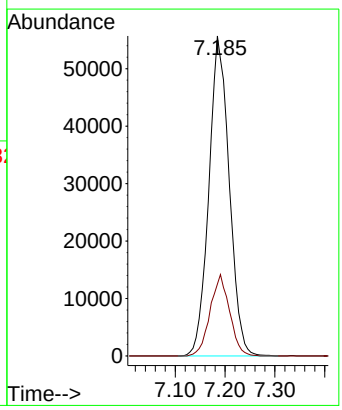


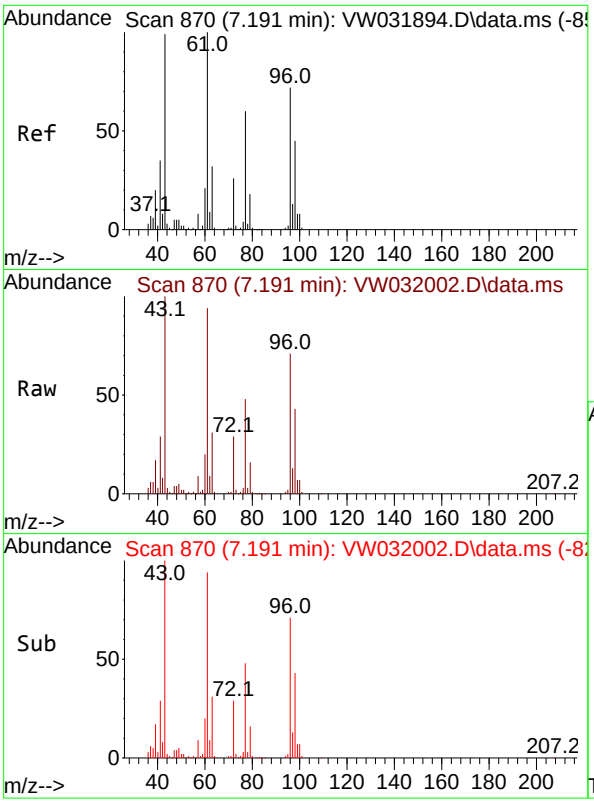


#26
2,2-Dichloropropane
Concen: 51.117 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 77 Resp: 157807

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 56.086 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

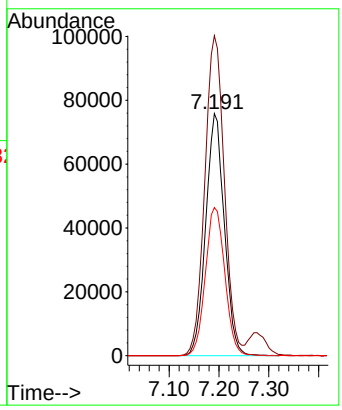
Tgt Ion: 96 Resp: 19670

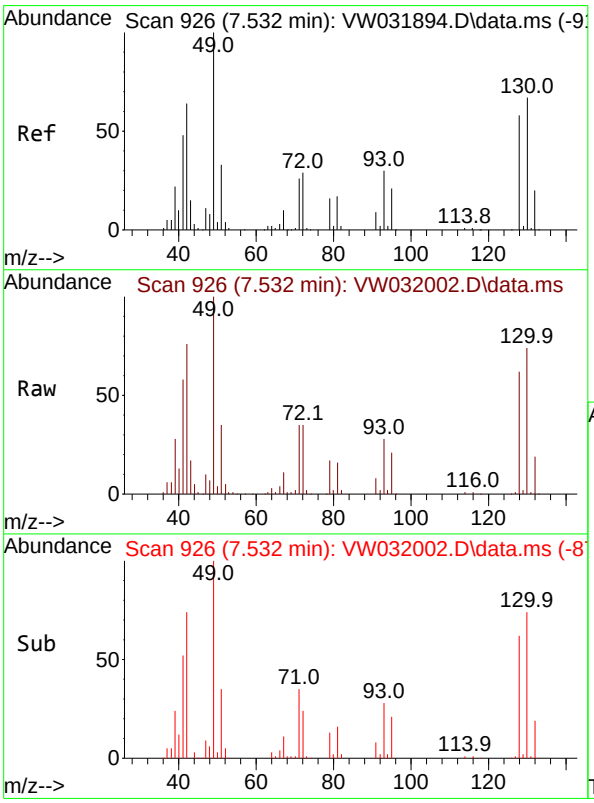
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	280.2
98	64.1	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

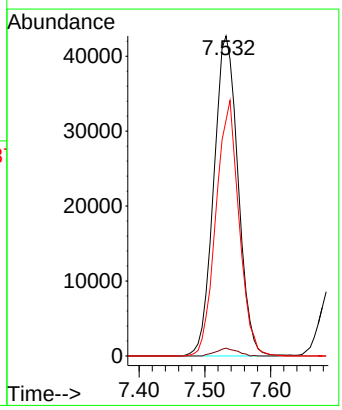


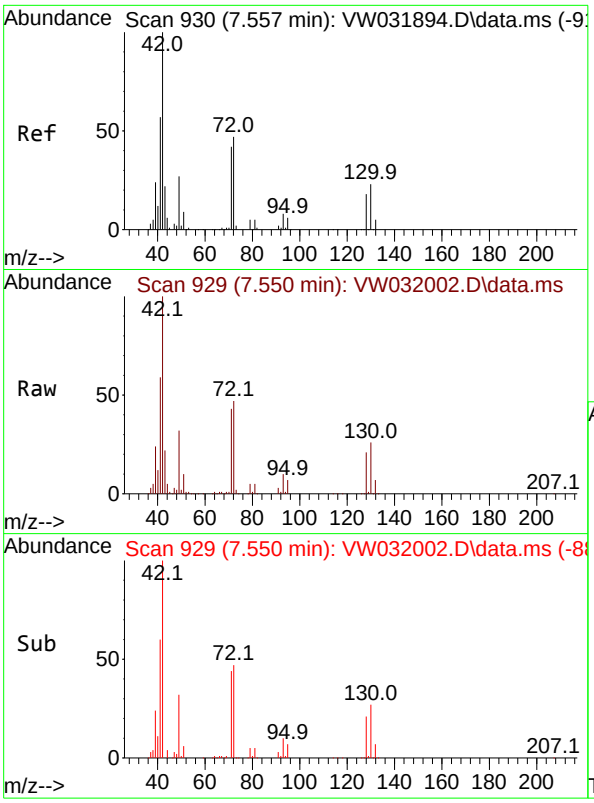


#28
Bromochloromethane
Concen: 48.028 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 49 Resp: 109656

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.0	59.0	88.4





#29
Tetrahydrofuran
Concen: 298.524 ug/l
RT: 7.550 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

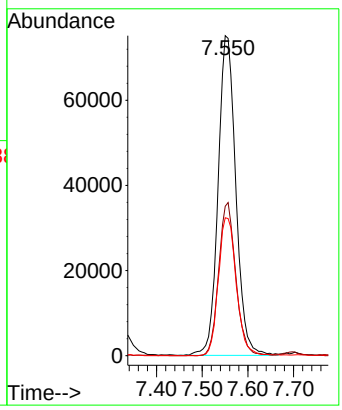
Tgt Ion: 42 Resp: 20270

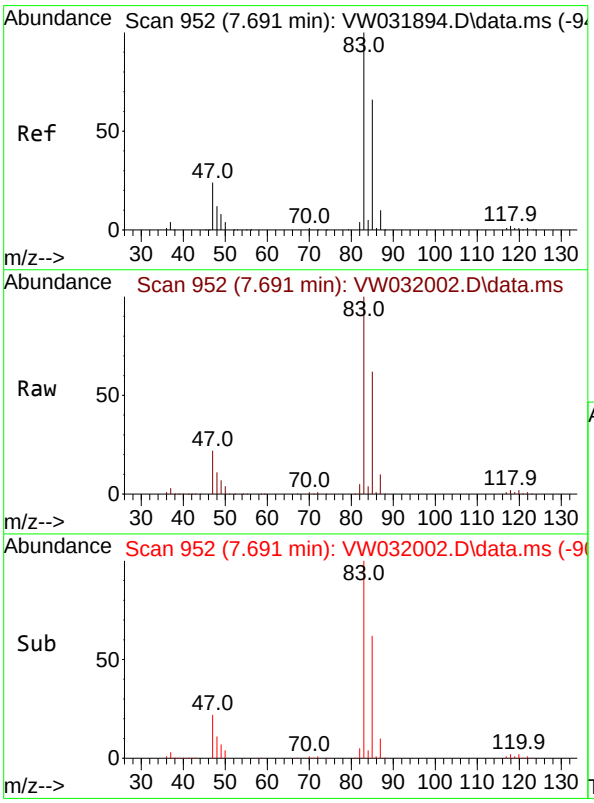
Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.6
71	43.6	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

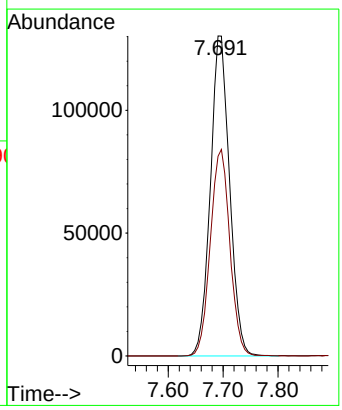


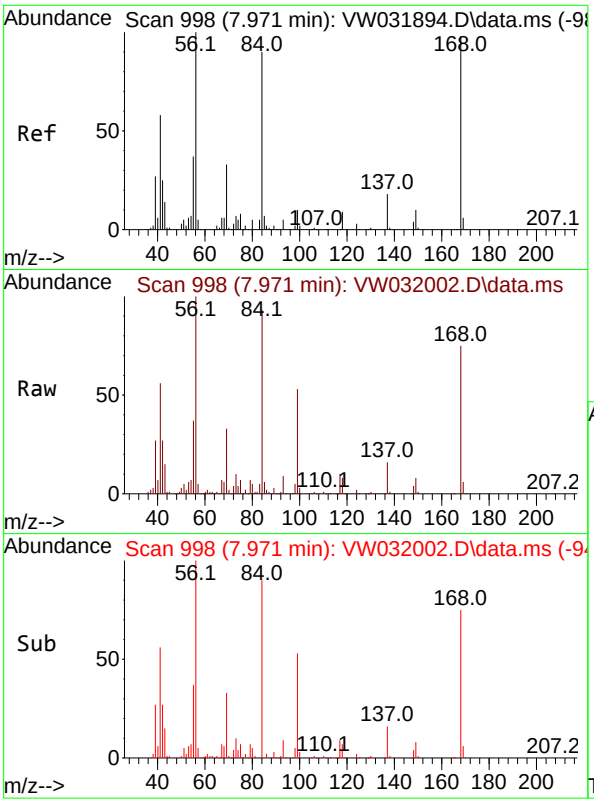


#30
Chloroform
Concen: 55.380 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 83 Resp: 316638

Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	78.8

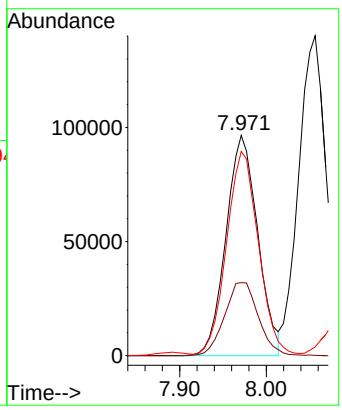




#31
Cyclohexane
Concen: 50.319 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 56 Resp: 24616

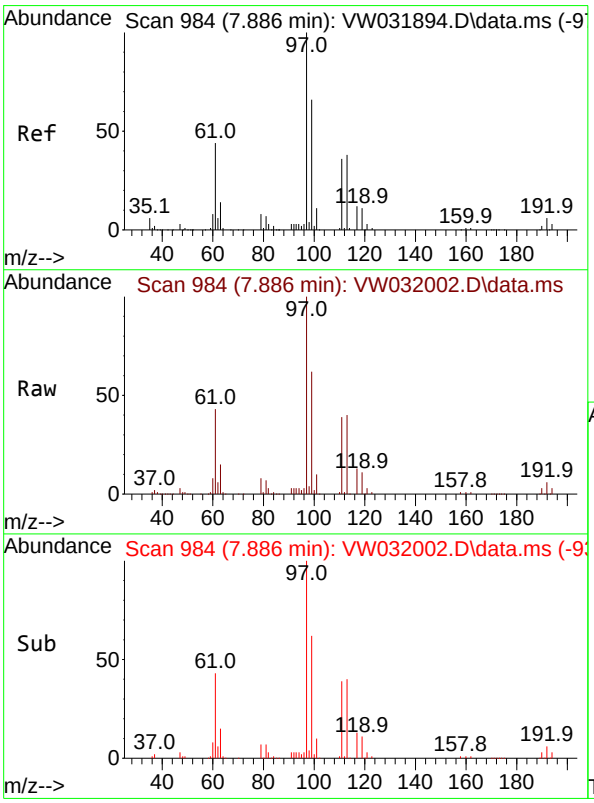
Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.7	40.1
84	91.3	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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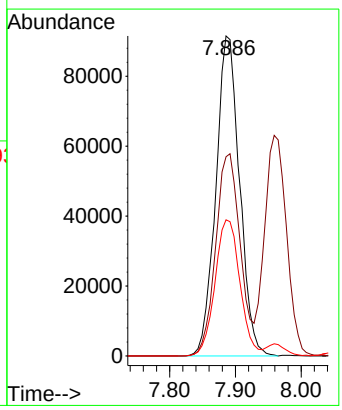
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

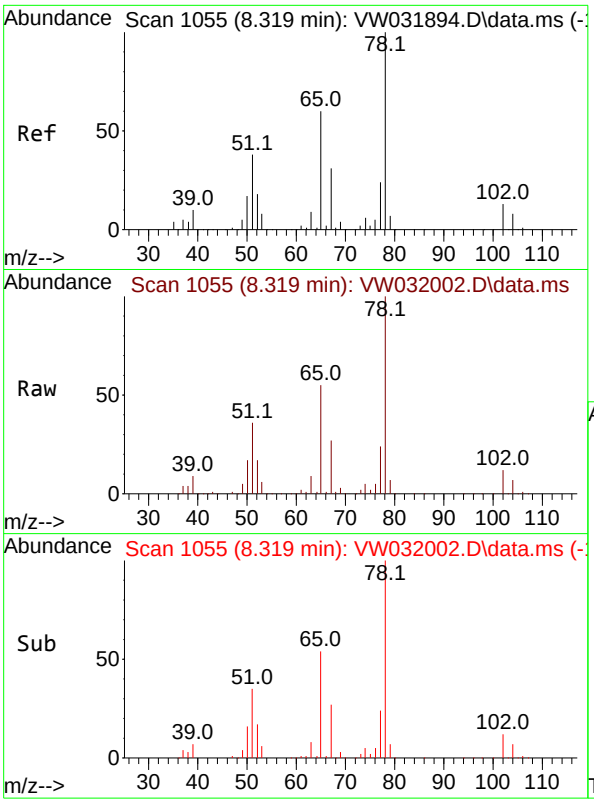


#32
1,1,1-Trichloroethane
Concen: 52.886 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 97 Resp: 230094

Ion	Ratio	Lower	Upper
97	100		
99	65.6	53.0	79.4
61	44.7	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 50.966 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

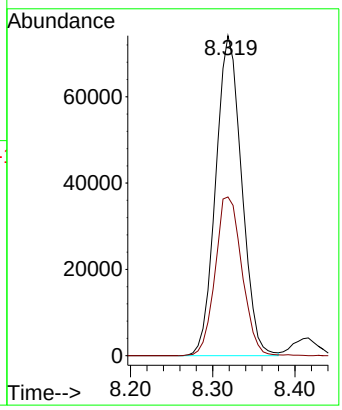
Tgt Ion: 65 Resp: 16257

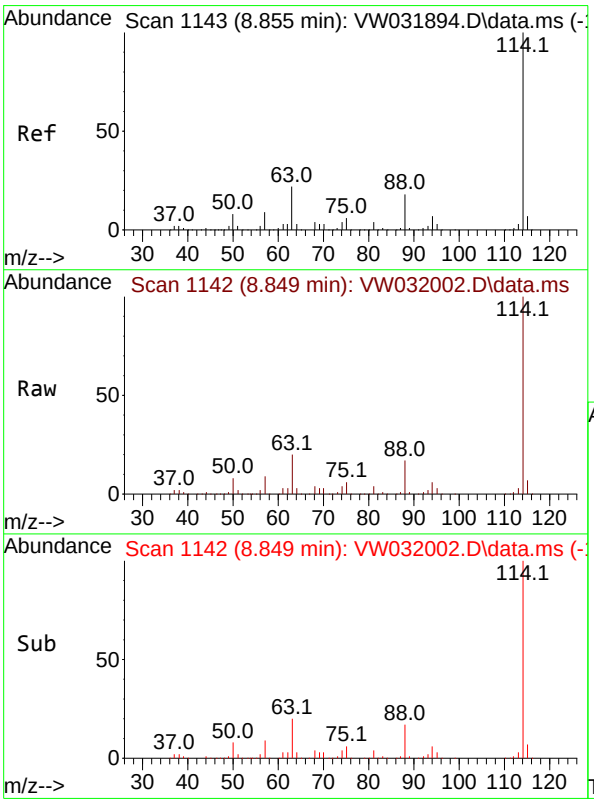
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

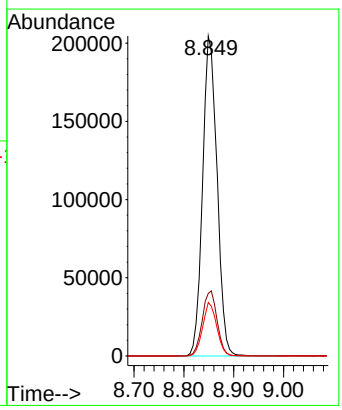


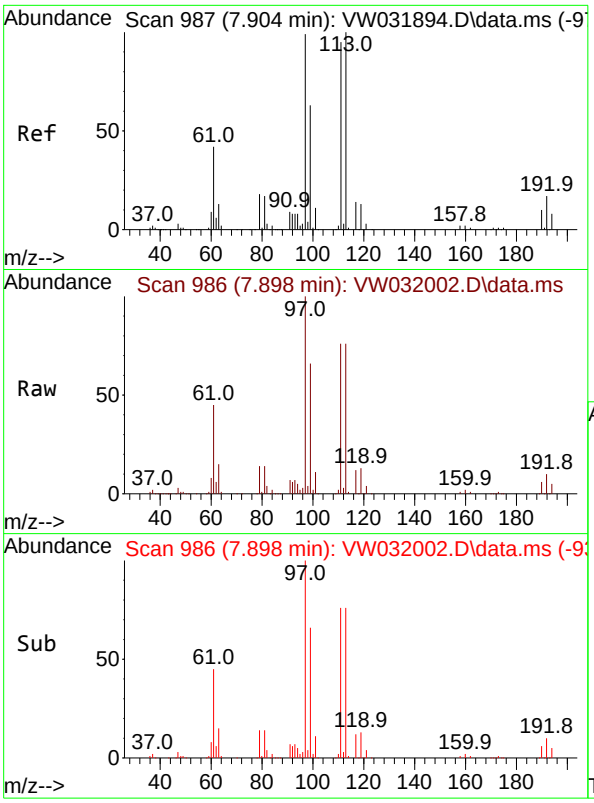


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:114 Resp: 411619

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.2
88	16.7	0.0	35.6





#35
Dibromofluoromethane
Concen: 49.929 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

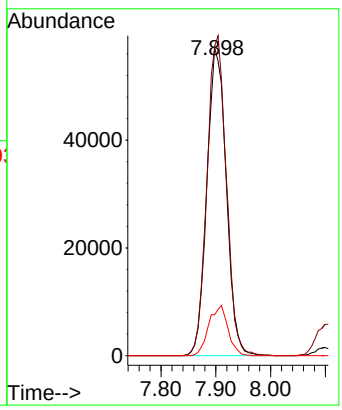
Tgt Ion:113 Resp: 13965

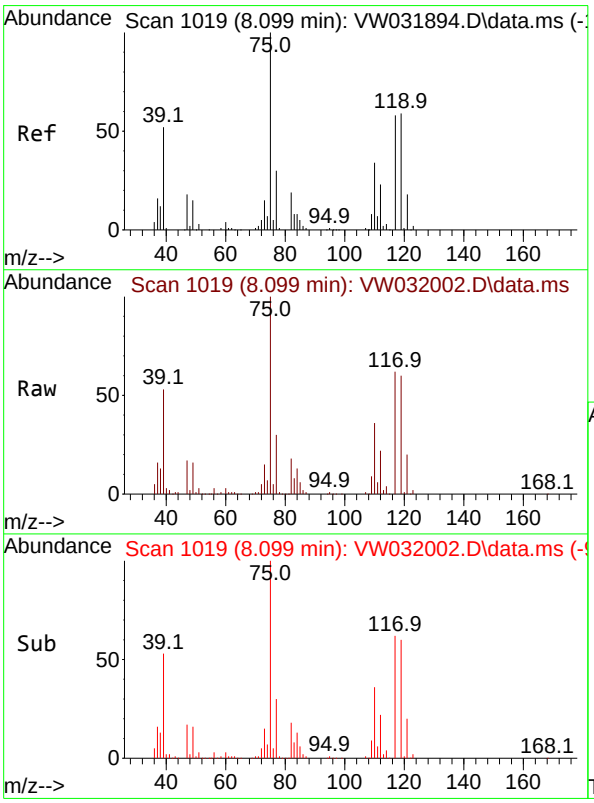
Ion	Ratio	Lower	Upper
113	100		
111	104.1	79.9	119.9
192	16.2	12.6	19.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

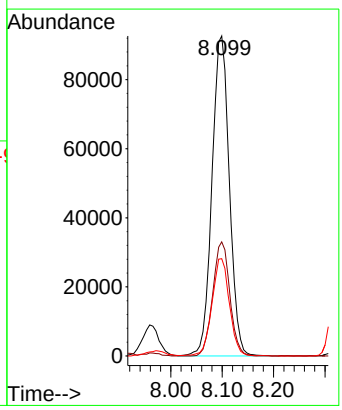


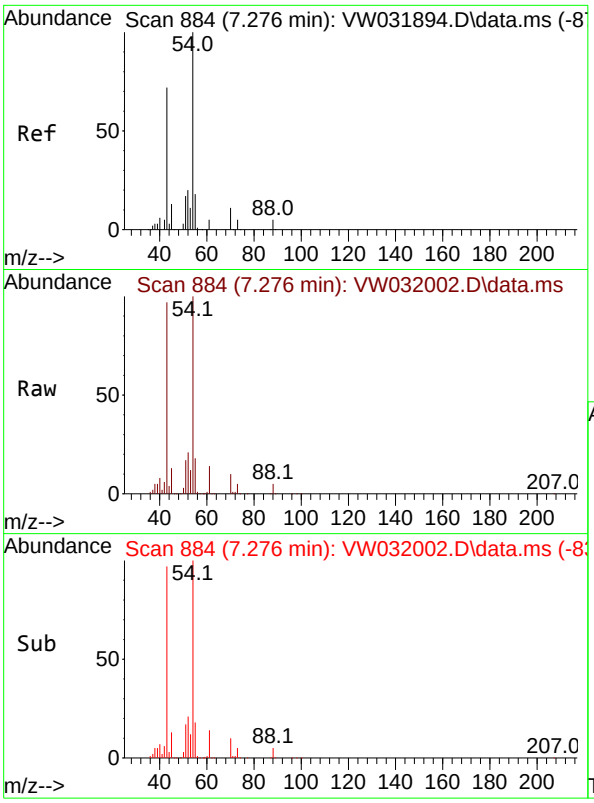


#36
1,1-Dichloropropene
Concen: 50.630 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 217478

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.0	50.9
77	30.5	25.1	37.7





#37
Ethyl Acetate
Concen: 54.174 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

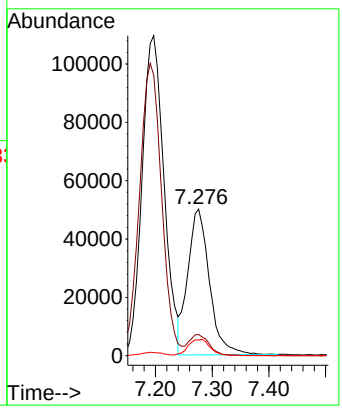
Tgt Ion: 43 Resp: 13274

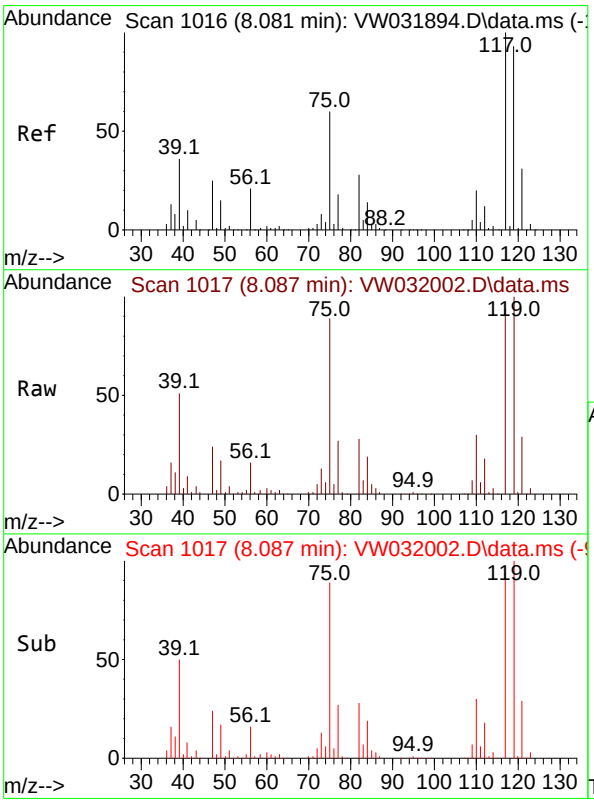
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	11.4	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

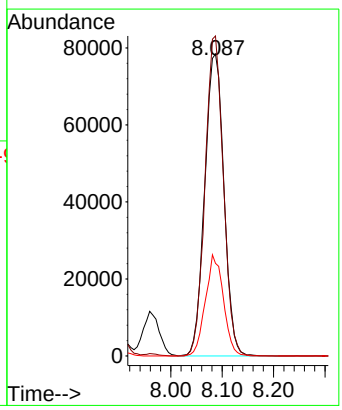


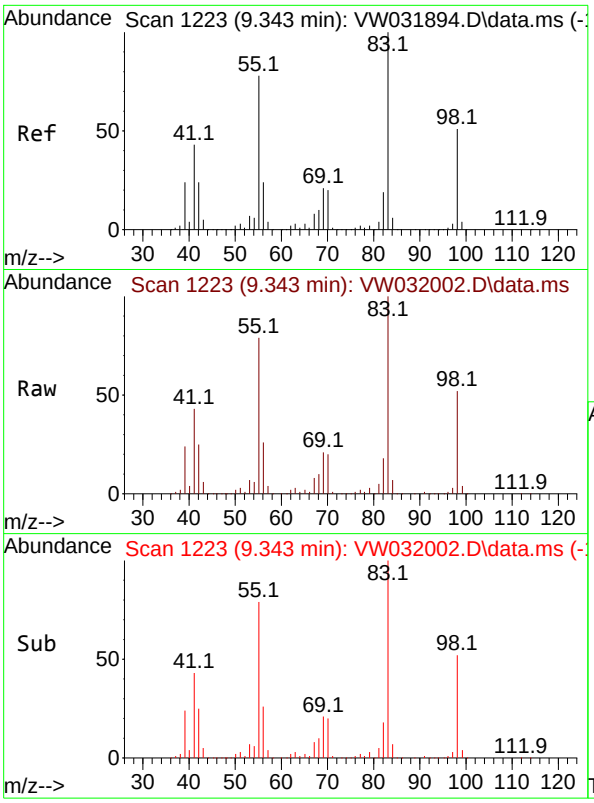


#38
Carbon Tetrachloride
Concen: 49.444 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:117 Resp: 203826

Ion	Ratio	Lower	Upper
117	100		
119	106.0	74.3	111.5
121	30.7	24.6	37.0





#39
Methylcyclohexane
Concen: 49.854 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

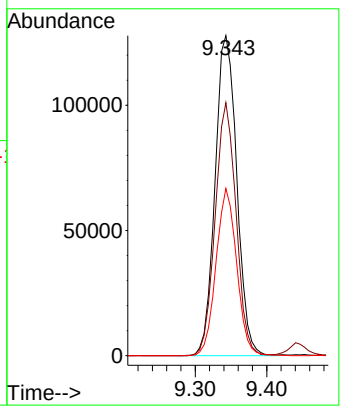
Tgt Ion: 83 Resp: 26949

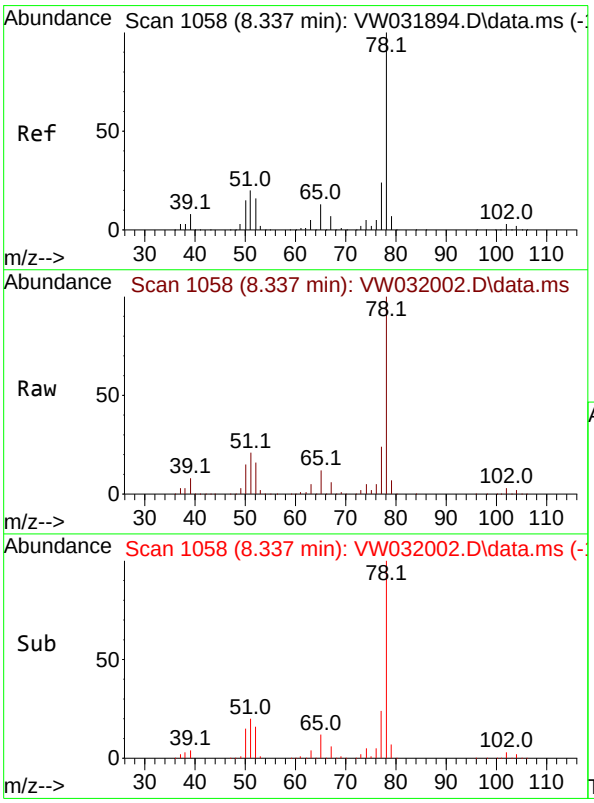
Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.5	93.7
98	52.2	40.6	61.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

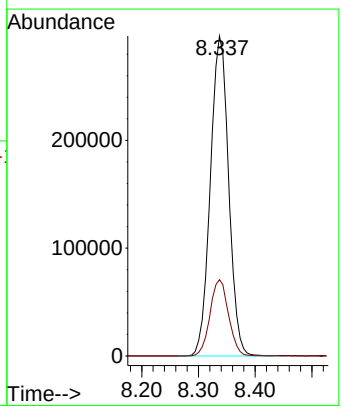


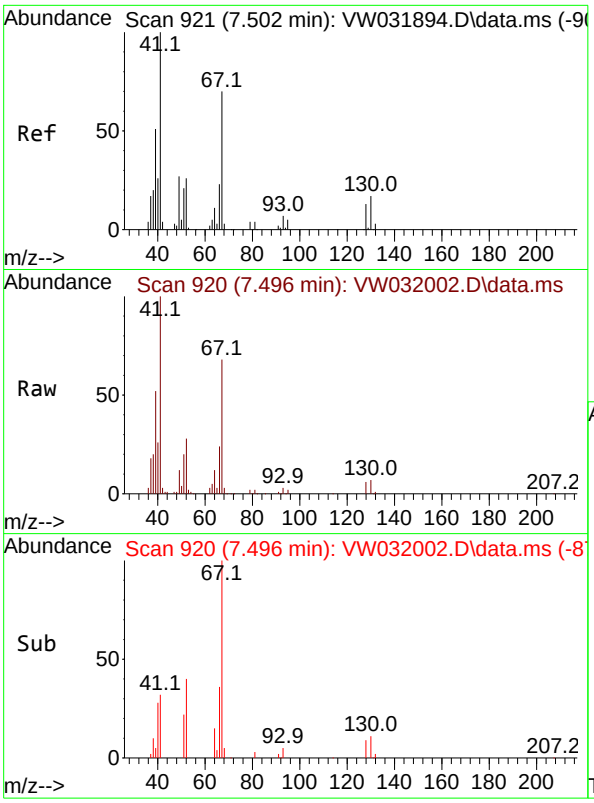


#40
Benzene
Concen: 52.355 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 78 Resp: 665711

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

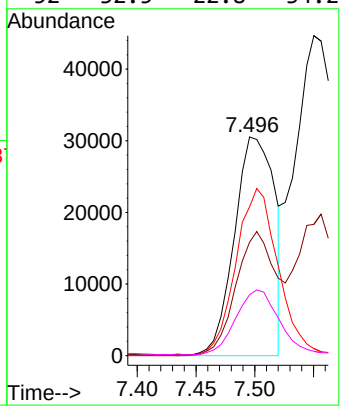




#41
Methacrylonitrile
Concen: 49.564 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 7270

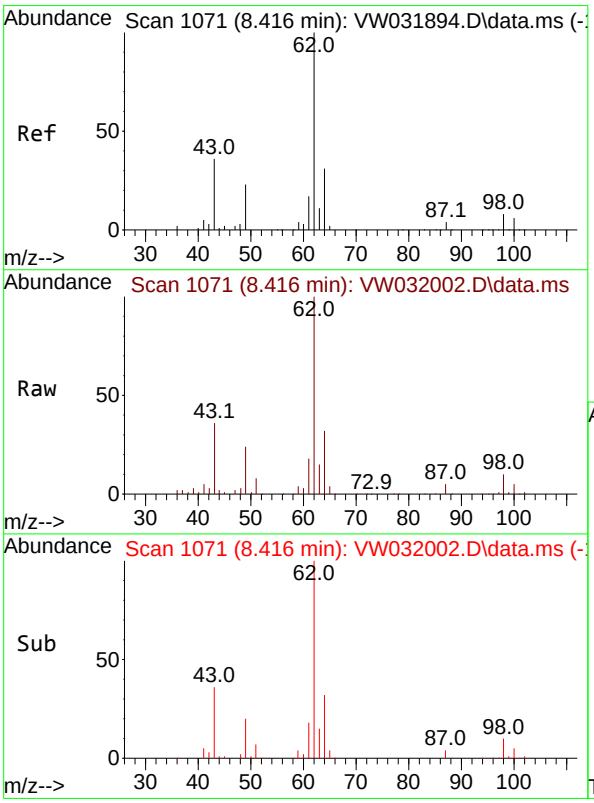
Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.1	61.7
67	81.2	56.2	84.4
52	32.5	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

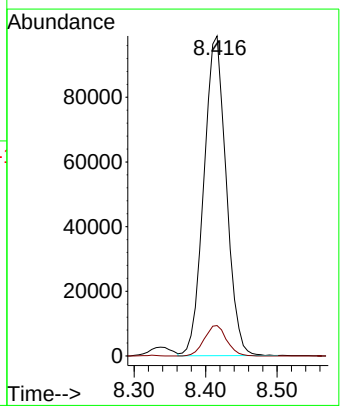
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

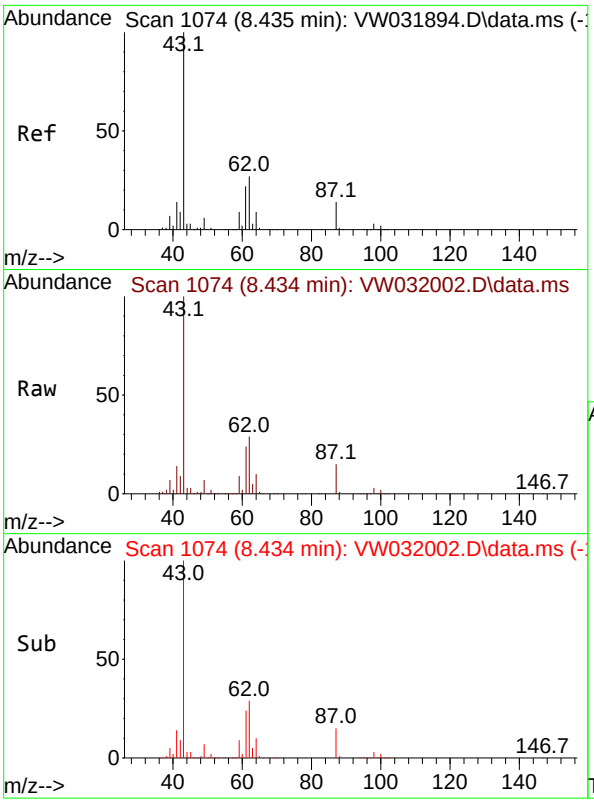


#42
1,2-Dichloroethane
Concen: 52.764 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 62 Resp: 214722

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.209 ug/l
RT: 8.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

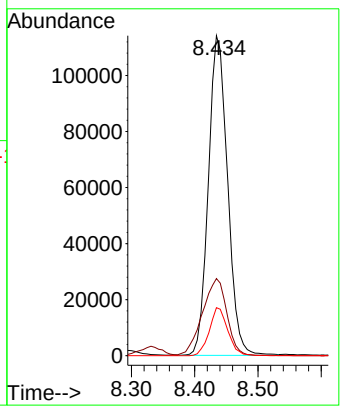
Tgt Ion: 43 Resp: 24047

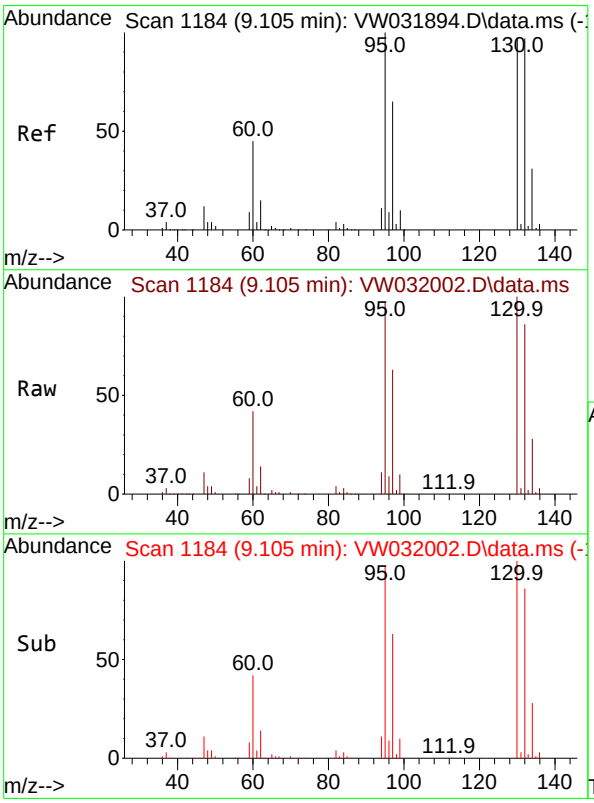
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.0	36.0
87	14.5	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

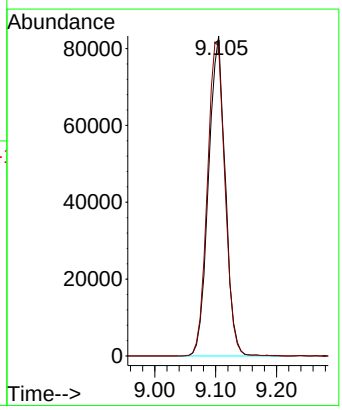


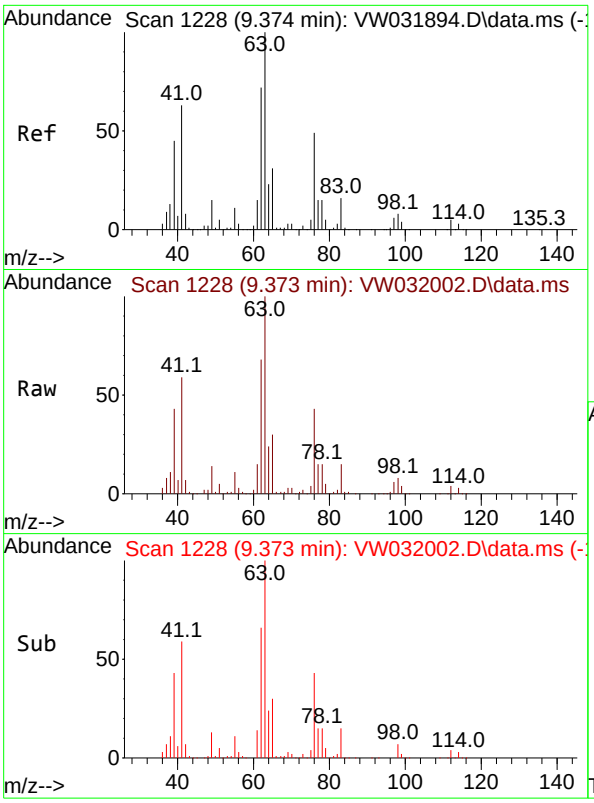


#44
Trichloroethene
Concen: 52.612 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:130 Resp: 159011

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	206.4

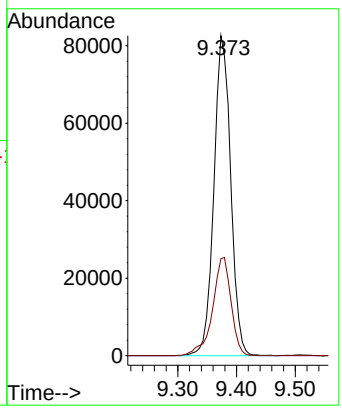




#45
1,2-Dichloropropane
Concen: 53.525 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 16390

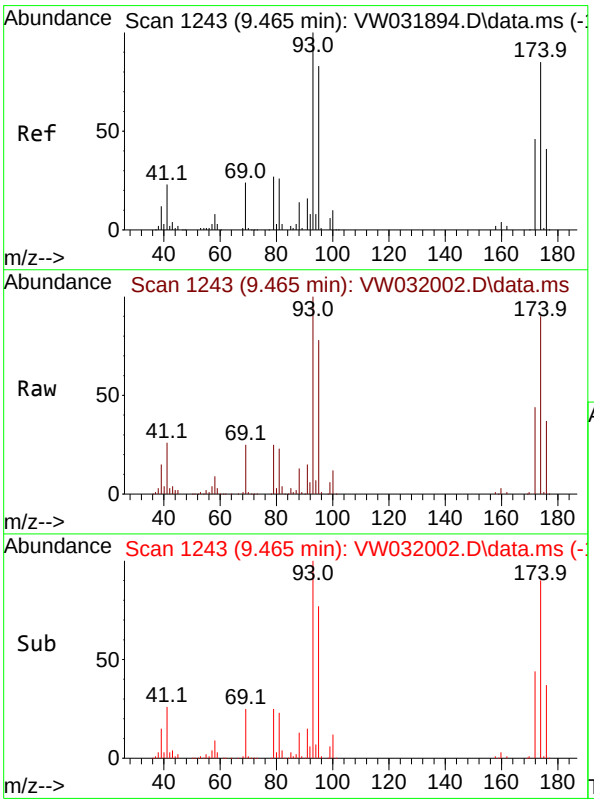
Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

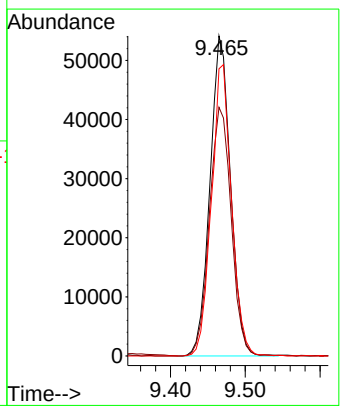
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

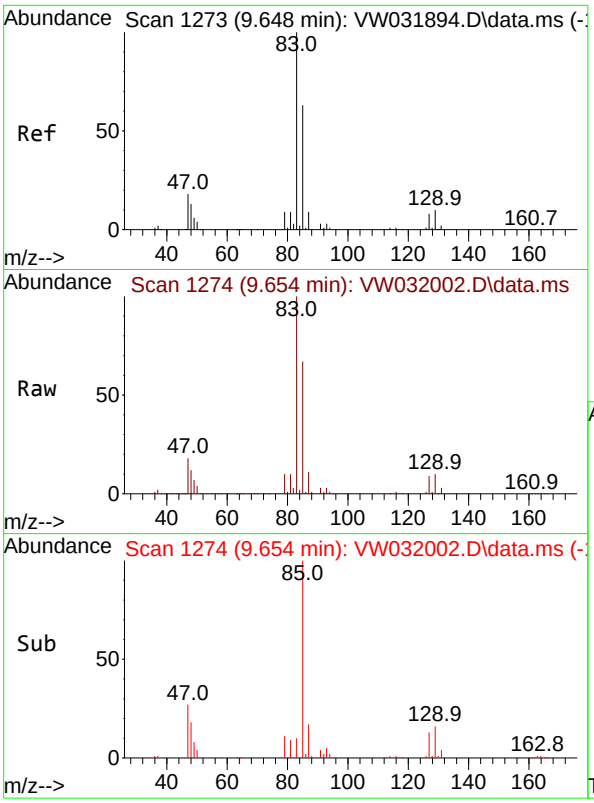


#46
Dibromomethane
Concen: 54.757 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 93 Resp: 103944

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.6
174	89.0	70.2	105.2

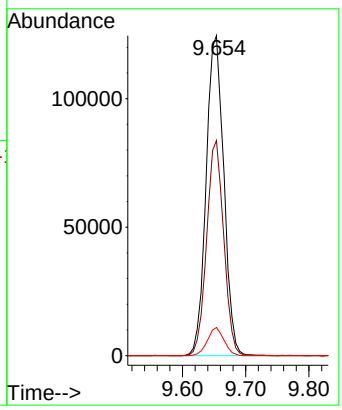




#47
Bromodichloromethane
Concen: 53.178 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 83 Resp: 24206

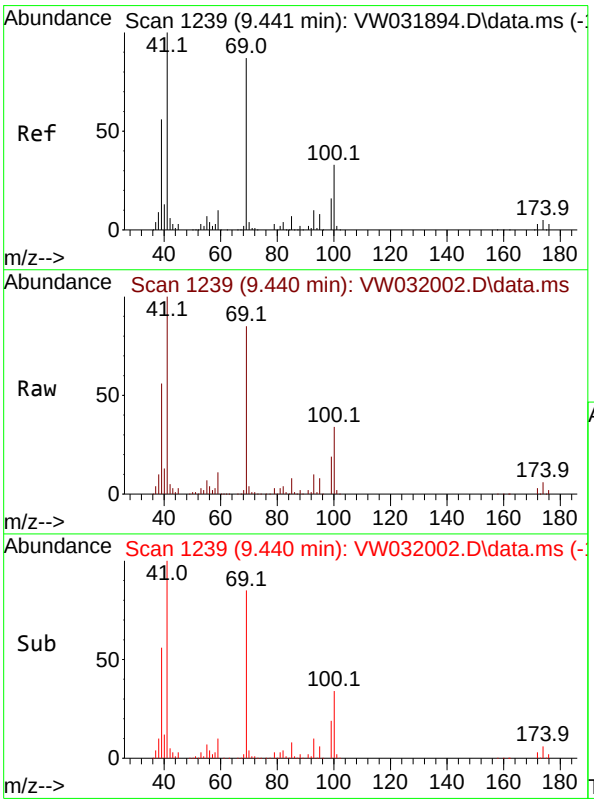
Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	76.0
127	8.8	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

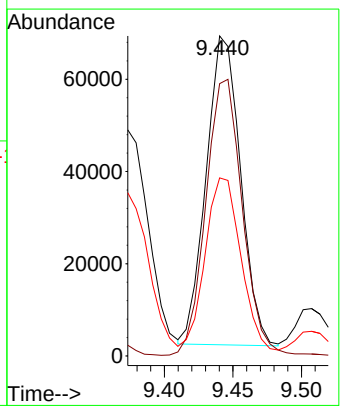
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

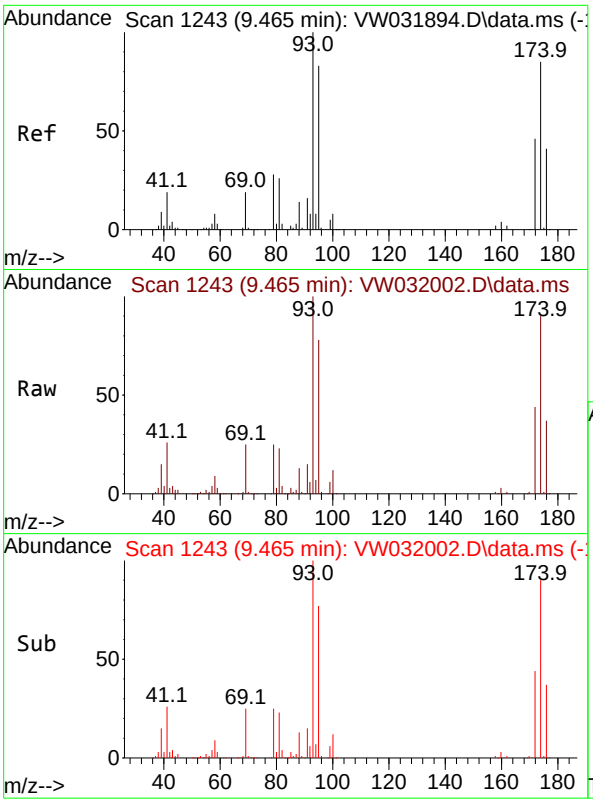


#48
Methyl methacrylate
Concen: 55.382 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 116879

Ion	Ratio	Lower	Upper
41	100		
69	95.5	73.6	110.4
39	57.3	45.5	68.3

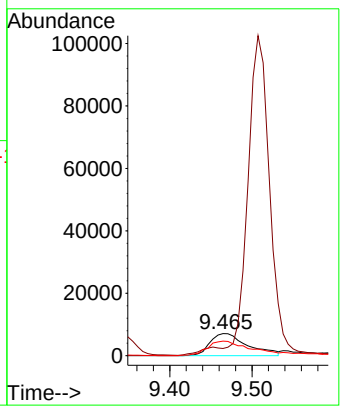




#49
1,4-Dioxane
Concen: 1192.087 ug/l
RT: 9.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 88 Resp: 2258

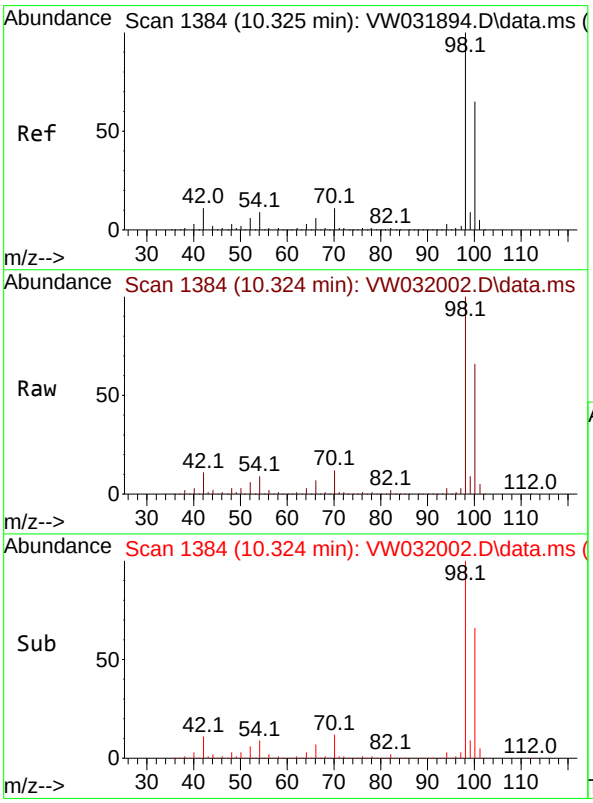
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	84.7	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

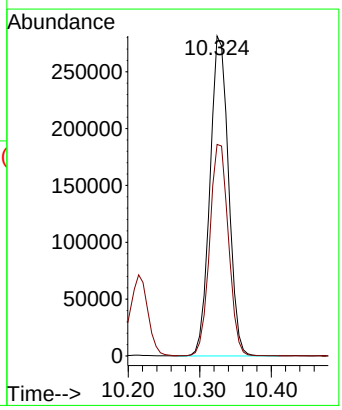
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

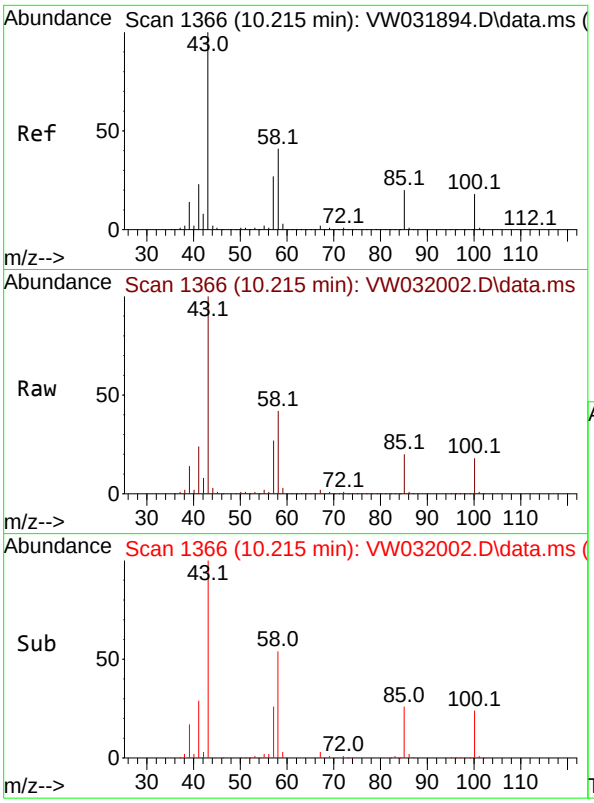


#50
Toluene-d8
Concen: 47.833 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 98 Resp: 506349

Ion	Ratio	Lower	Upper
98	100		
100	66.8	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 286.490 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

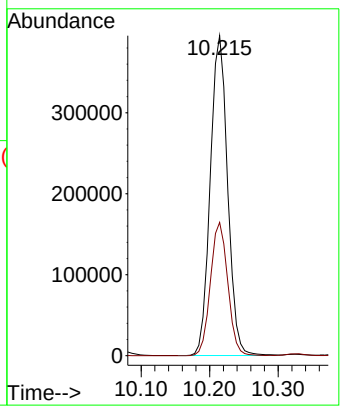
Tgt Ion: 43 Resp: 69550

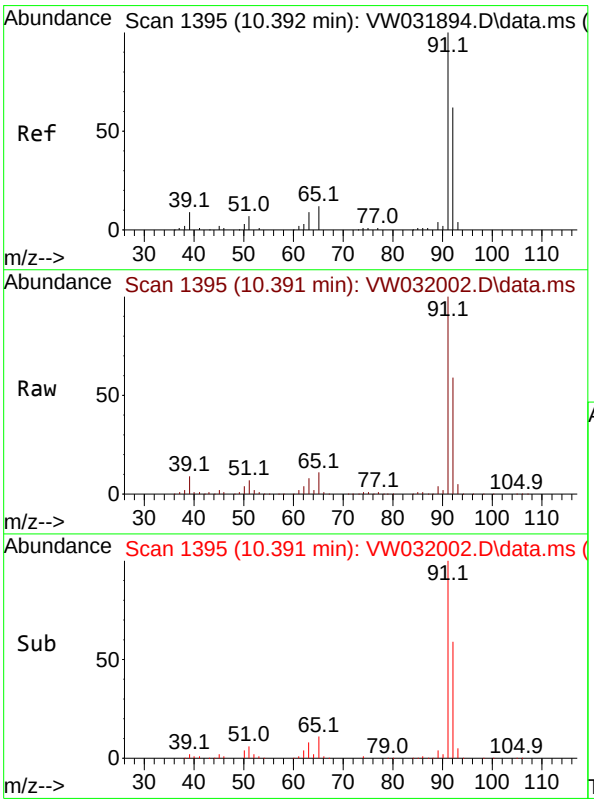
Ion	Ratio	Lower	Upper
43	100		
58	41.7	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

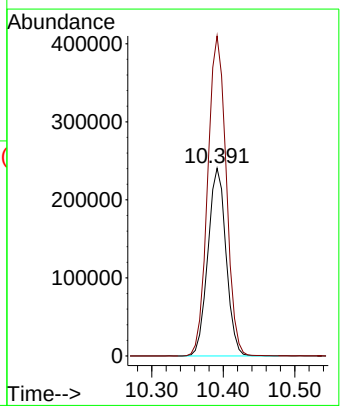


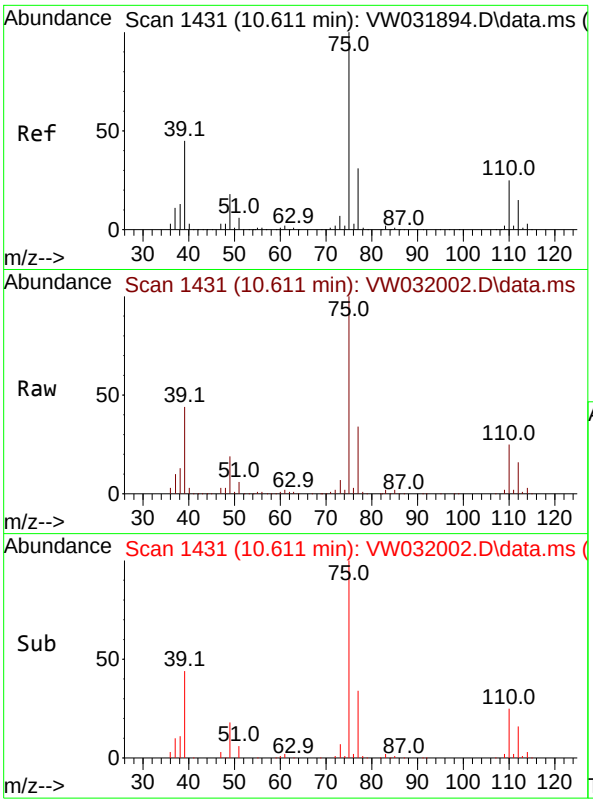


#52
Toluene
Concen: 51.787 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 92 Resp: 423299

Ion	Ratio	Lower	Upper
92	100		
91	173.8	133.7	200.5

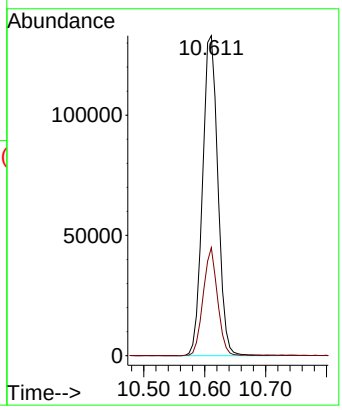




#53
t-1,3-Dichloropropene
Concen: 53.347 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 23293

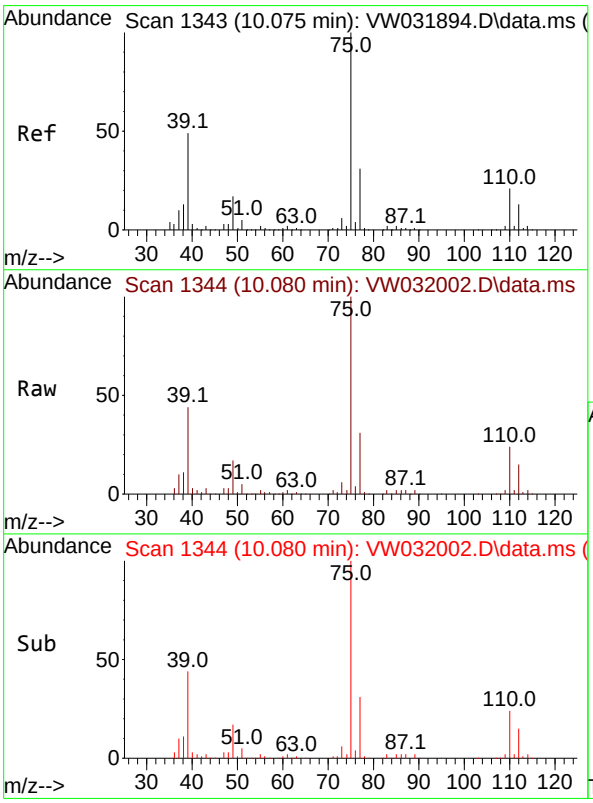
Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

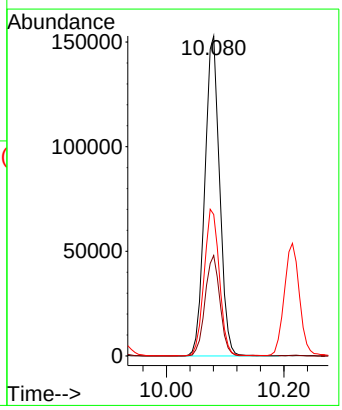
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

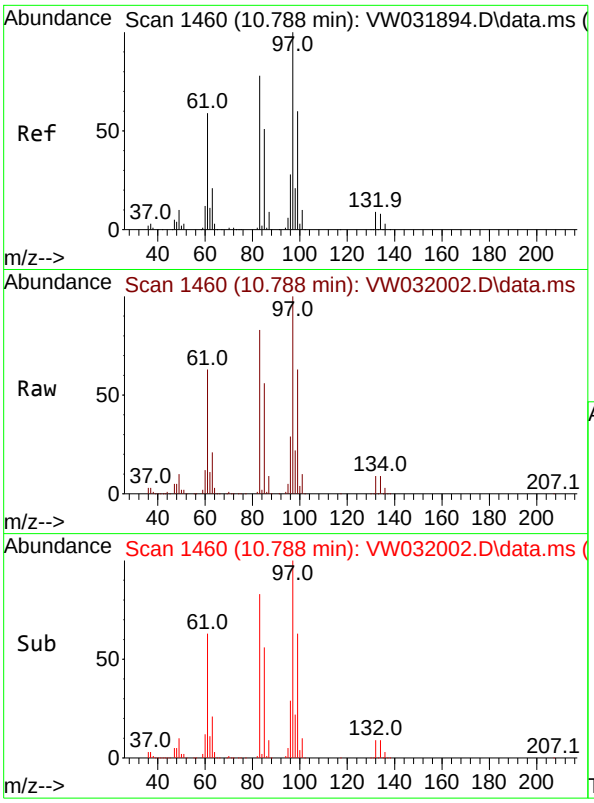


#54
cis-1,3-Dichloropropene
Concen: 53.683 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 267688

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7
39	44.1	39.3	58.9

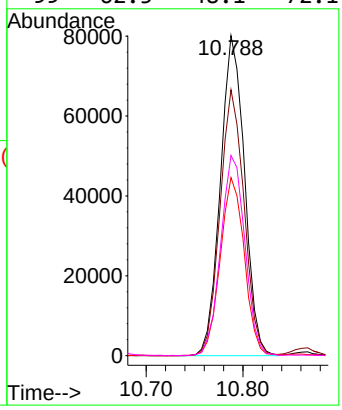




#55
1,1,2-Trichloroethane
Concen: 55.004 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 97 Resp: 13869

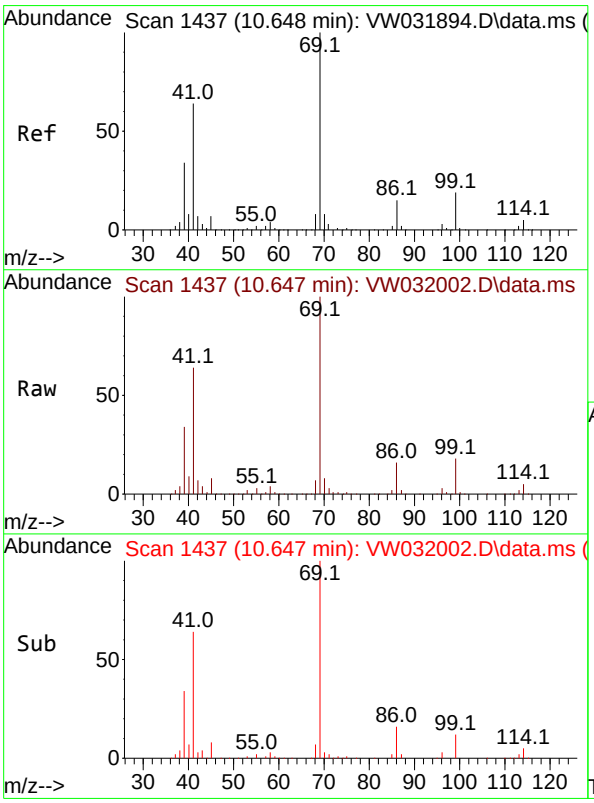
Ion	Ratio	Lower	Upper
97	100		
83	83.1	62.4	93.6
85	55.7	41.0	61.6
99	62.5	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

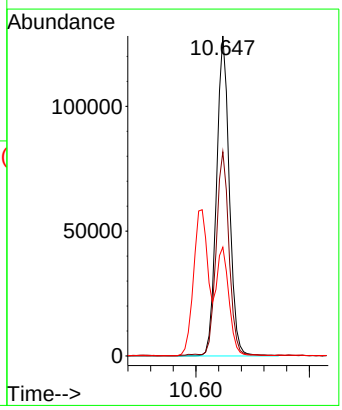
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

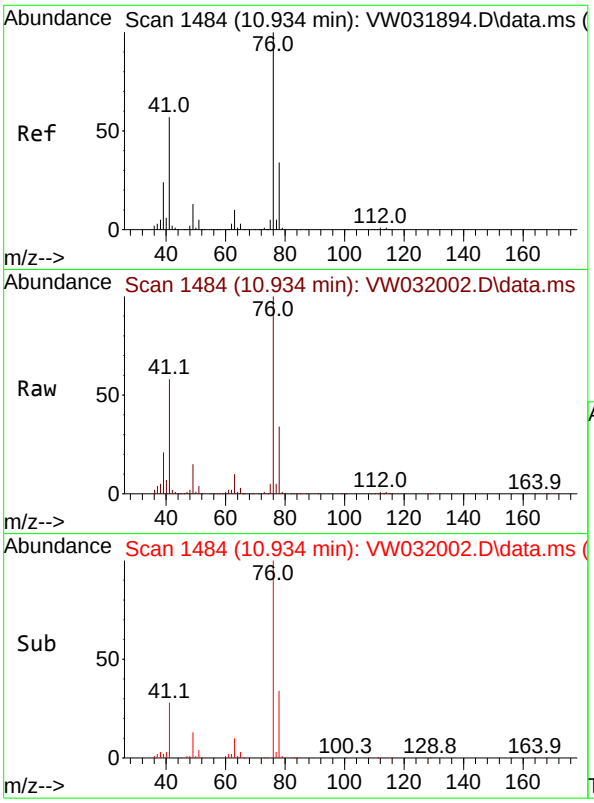


#56
Ethyl methacrylate
Concen: 56.390 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 69 Resp: 200814

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	32.7	26.6	40.0





#57
1,3-Dichloropropane
Concen: 54.354 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

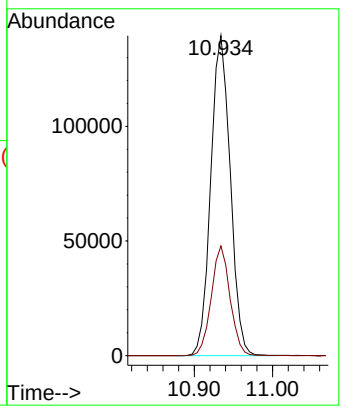
Tgt Ion: 76 Resp: 24145

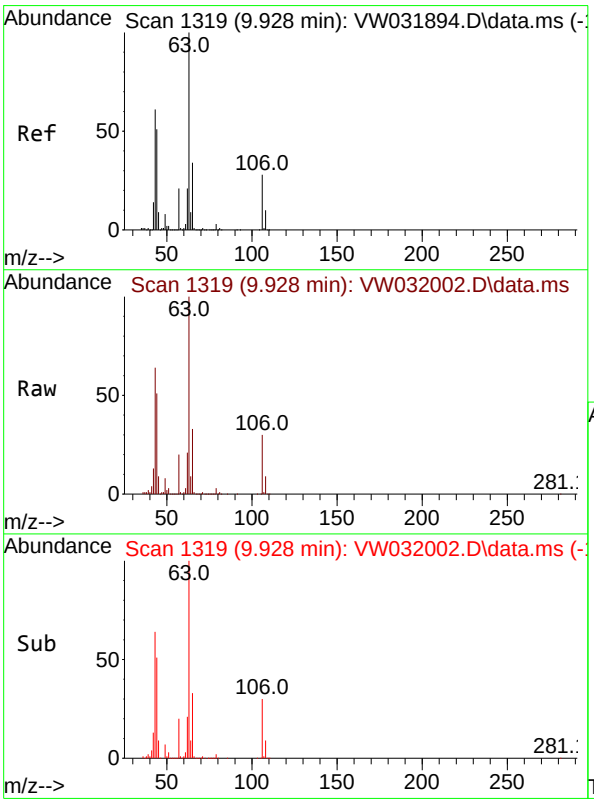
Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

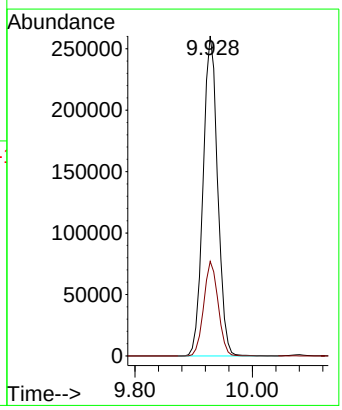


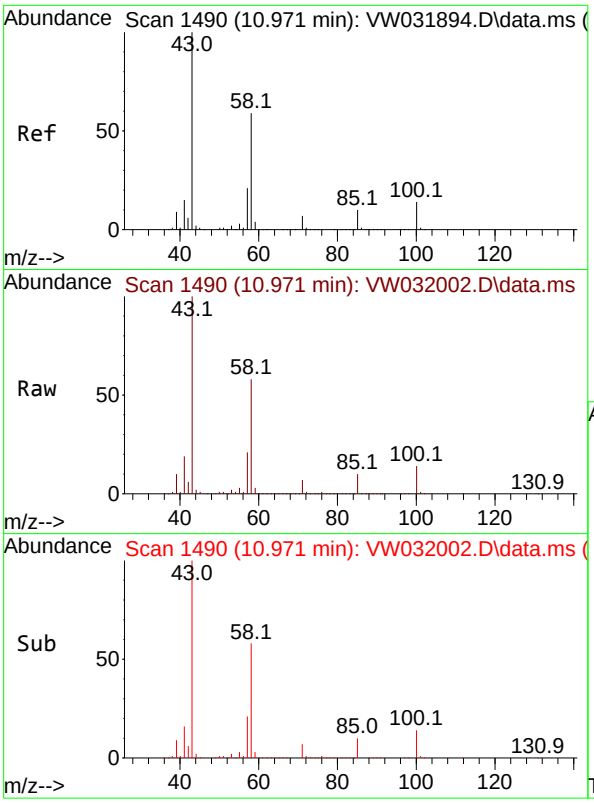


#58
2-Chloroethyl Vinyl ether
Concen: 245.376 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 448842

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1





#59
2-Hexanone
Concen: 283.159 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

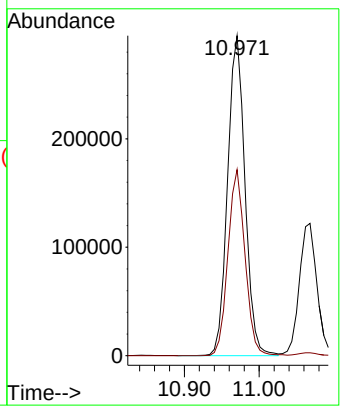
Tgt Ion: 43 Resp: 47782

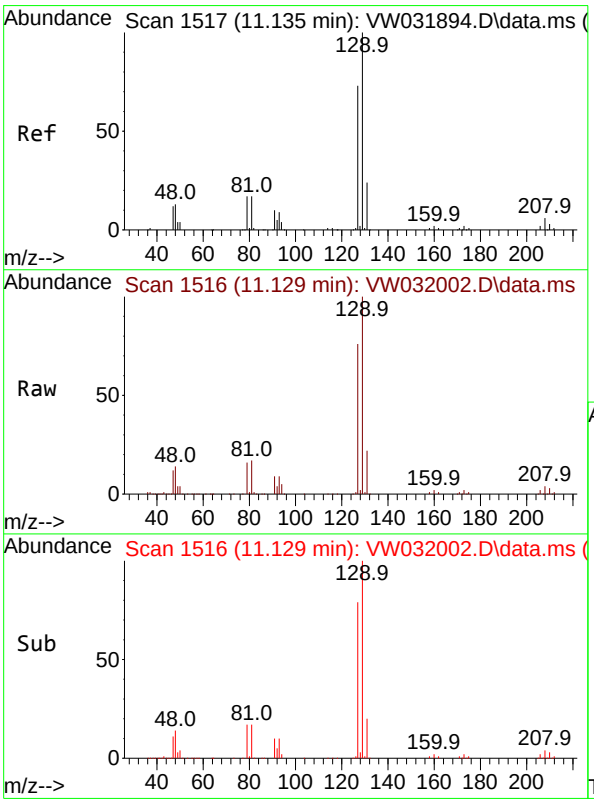
Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

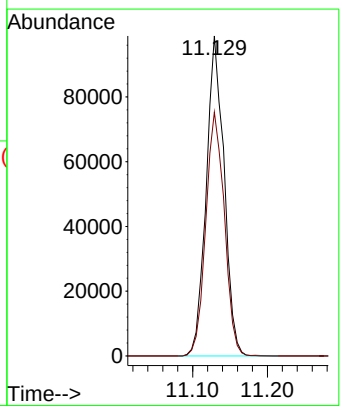


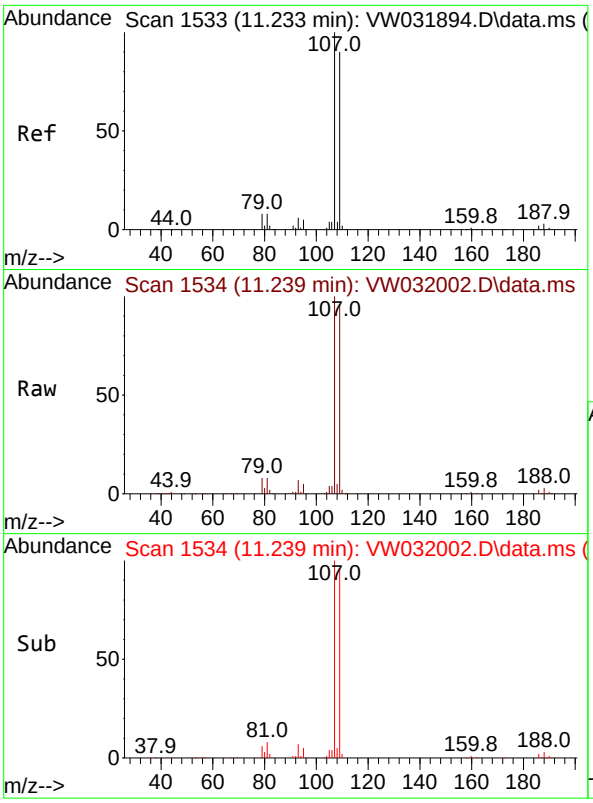


#60
Dibromochloromethane
Concen: 55.682 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:129 Resp: 163699

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8

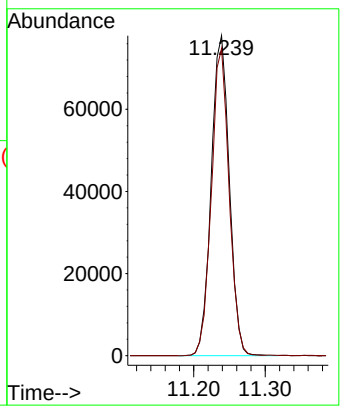




#61
1,2-Dibromoethane
Concen: 54.843 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:107 Resp: 13664

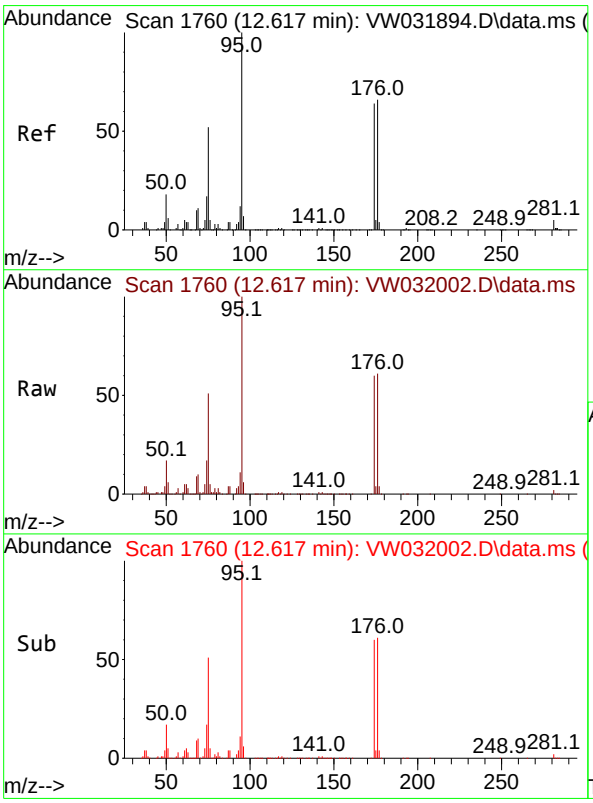
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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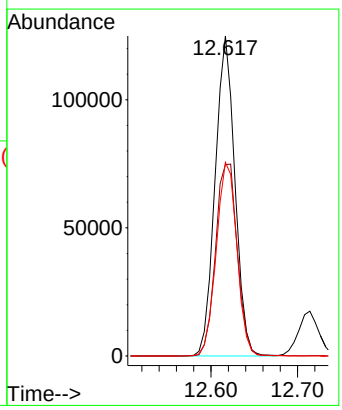
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

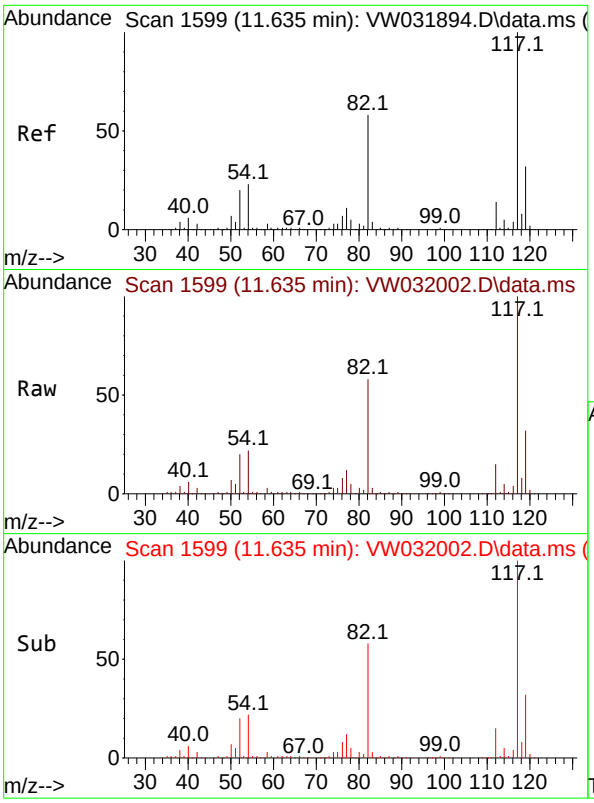


#62
4-Bromofluorobenzene
Concen: 48.771 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 95 Resp: 198243

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	129.8
176	63.0	0.0	130.4

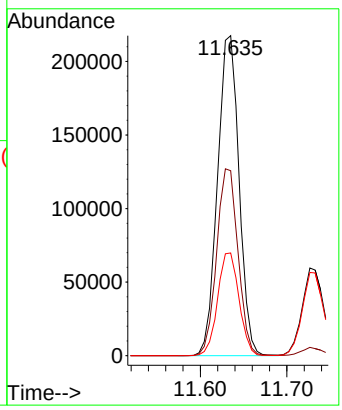




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:117 Resp: 37547

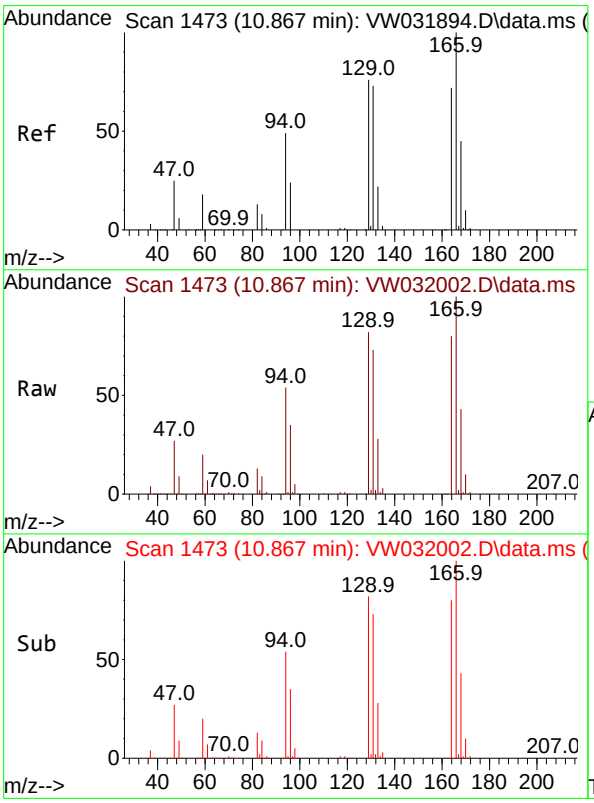
Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.5	69.7
119	32.1	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

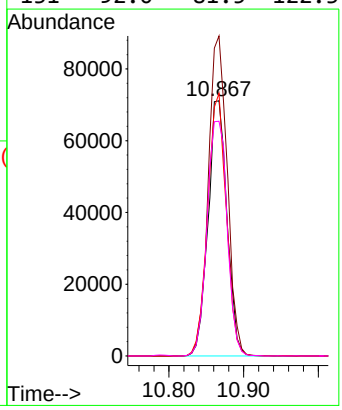
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

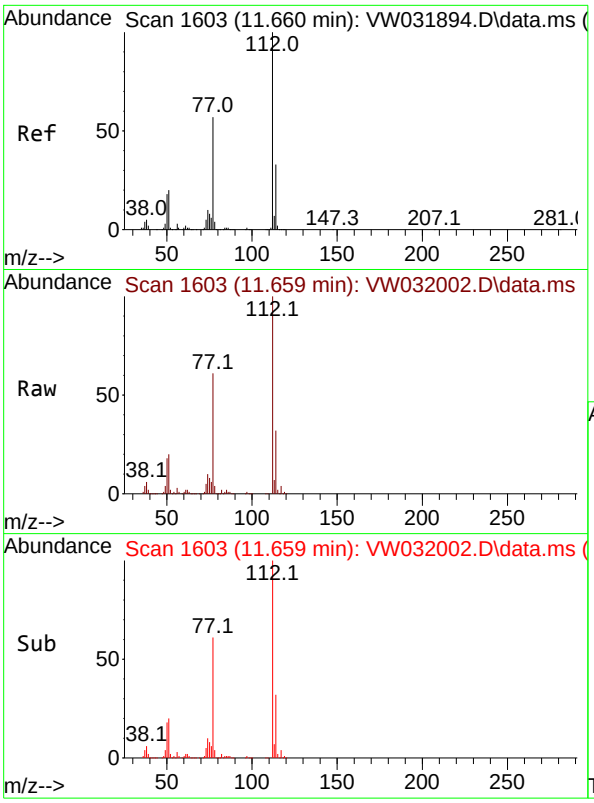


#64
Tetrachloroethene
Concen: 50.824 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:164 Resp: 125818

Ion	Ratio	Lower	Upper
164	100		
166	125.4	111.5	167.3
129	102.9	85.1	127.7
131	92.0	81.5	122.3

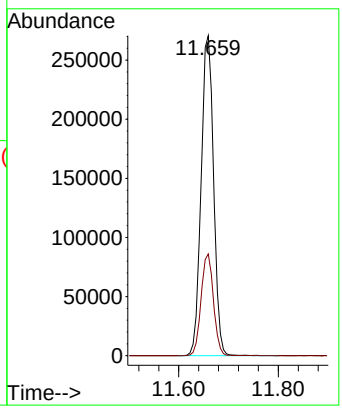




#65
Chlorobenzene
Concen: 51.049 ug/l
RT: 11.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:112 Resp: 46911

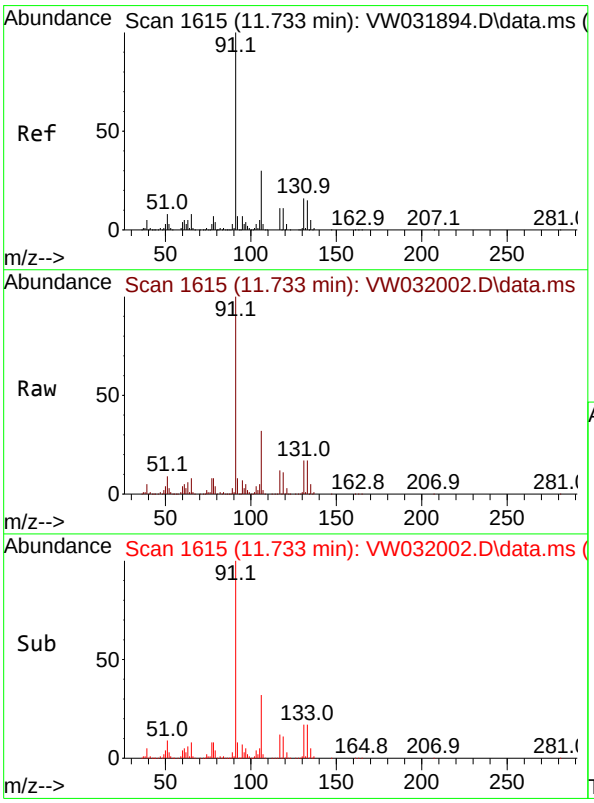
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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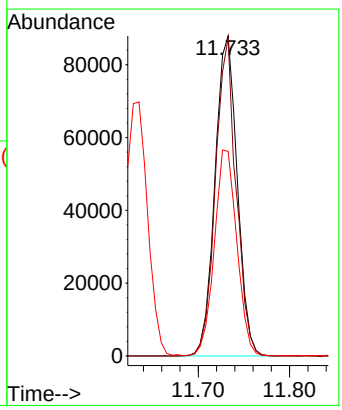
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

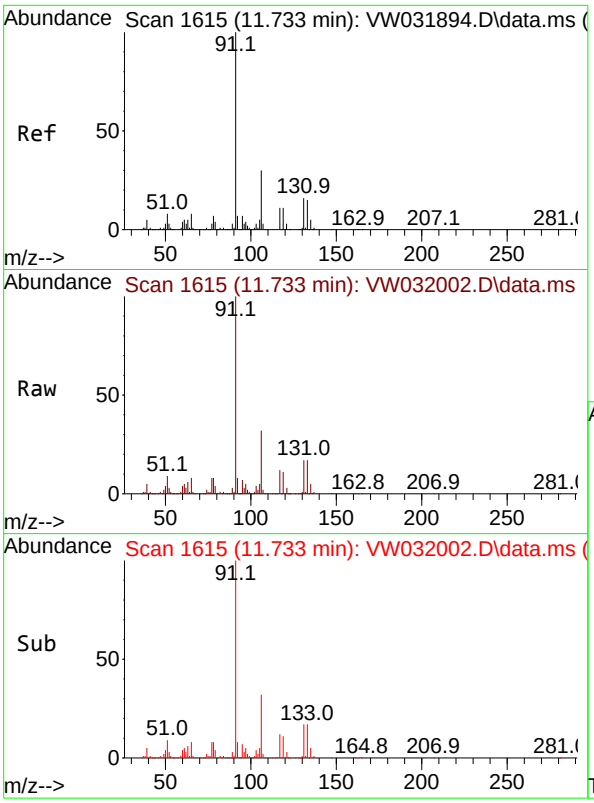


#66
1,1,1,2-Tetrachloroethane
Concen: 52.138 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:131 Resp: 148536

Ion	Ratio	Lower	Upper
131	100		
133	92.5	48.1	144.4
119	65.3	33.7	101.1





#67
Ethyl Benzene
Concen: 51.057 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

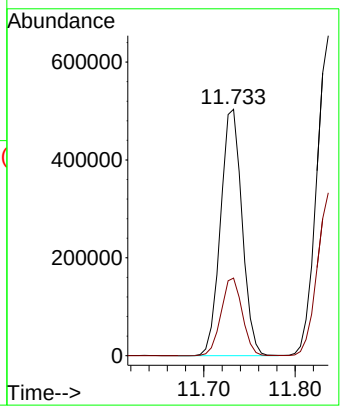
Tgt Ion: 91 Resp: 82436(

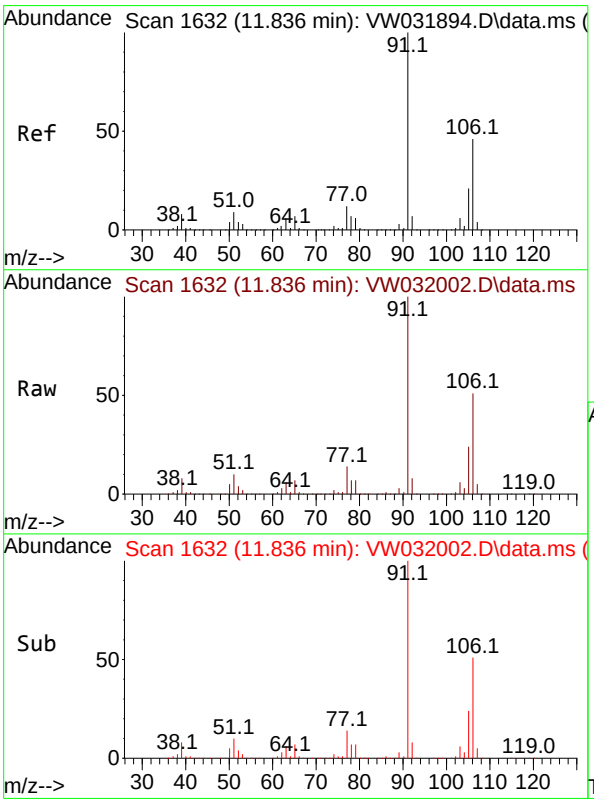
Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

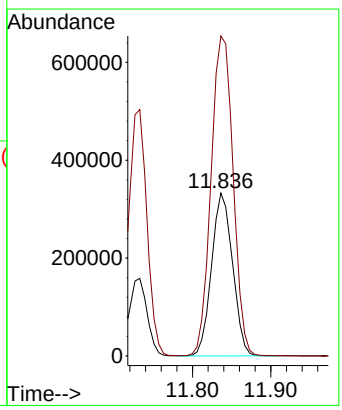


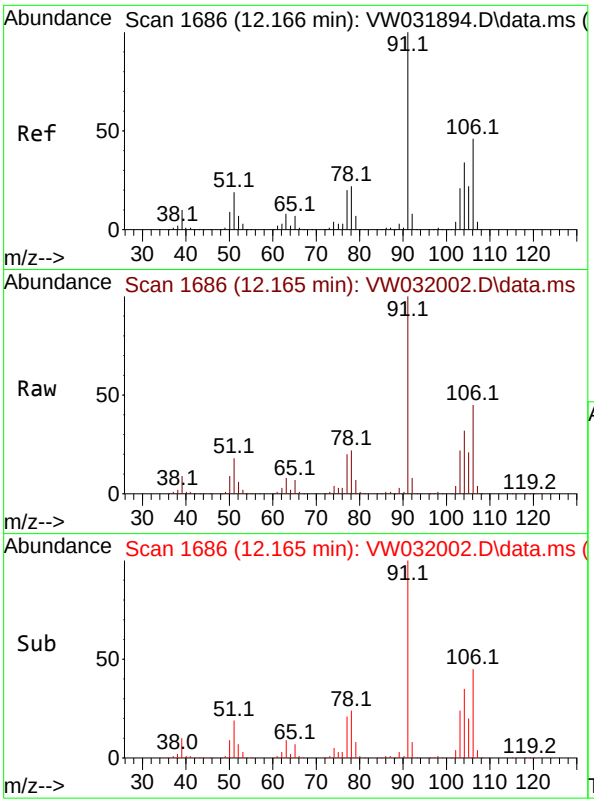


#68
m/p-Xylenes
Concen: 101.825 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:106 Resp: 618923

Ion	Ratio	Lower	Upper
106	100		
91	207.2	167.7	251.5





#69
o-Xylene
Concen: 51.081 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

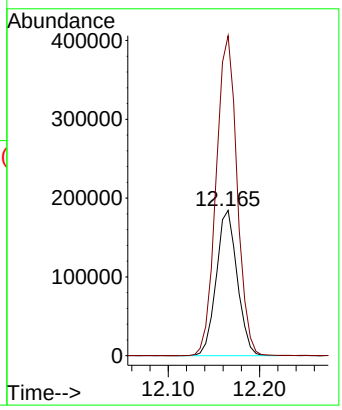
Tgt Ion:106 Resp: 29383

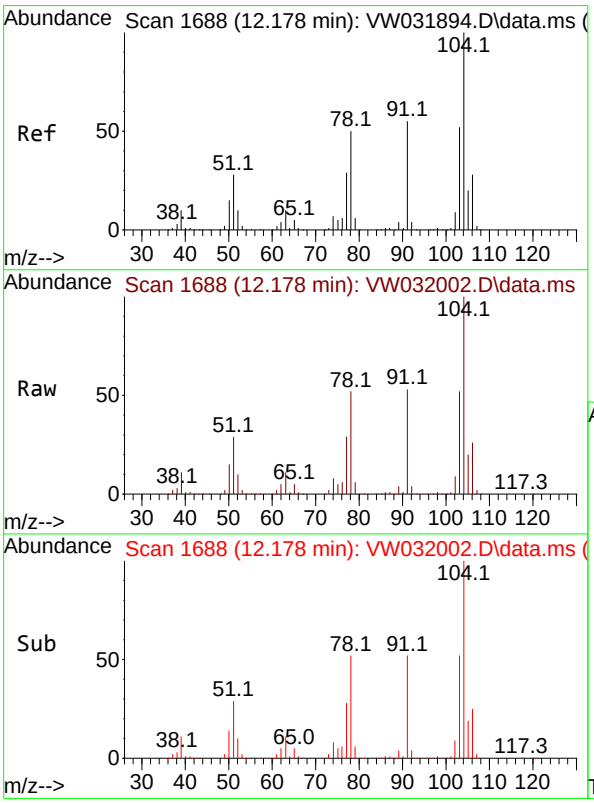
Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

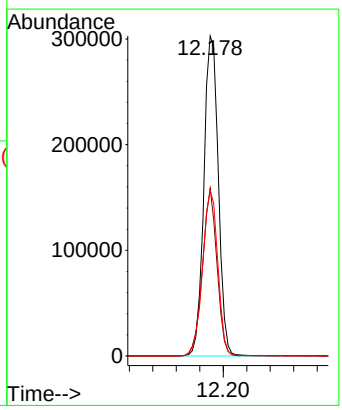


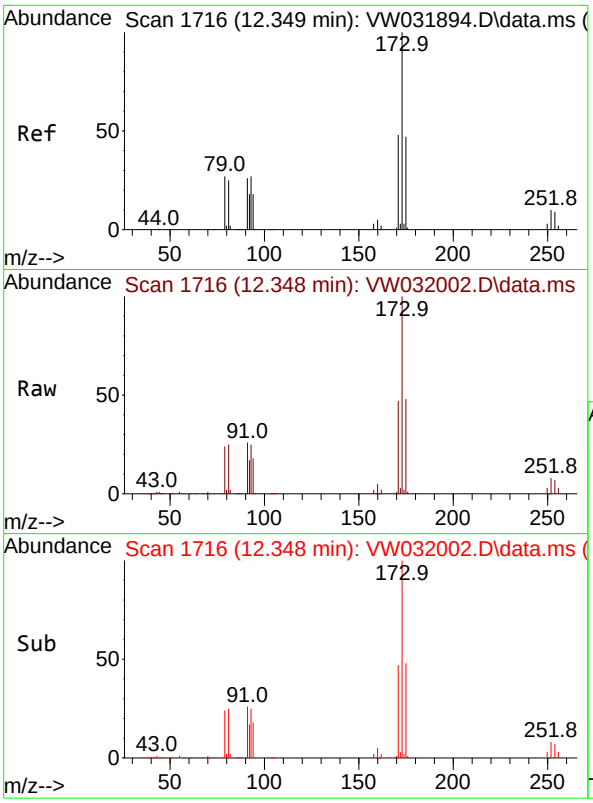


#70
Styrene
Concen: 52.978 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:104 Resp: 518864

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	54.5	42.8	64.2

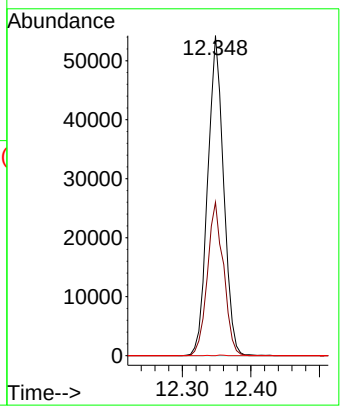




#71
Bromoform
Concen: 56.142 ug/l
RT: 12.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:173 Resp: 8747

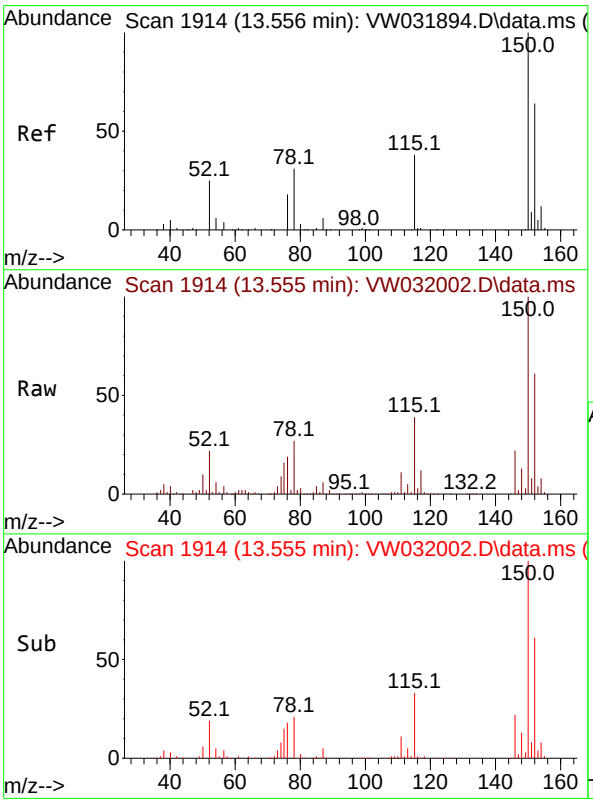
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.1	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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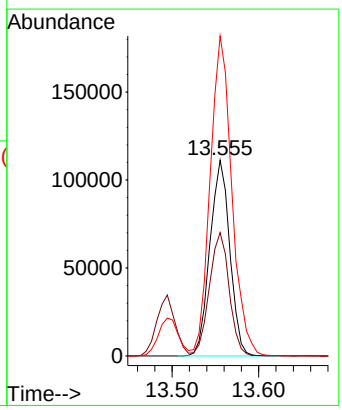
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

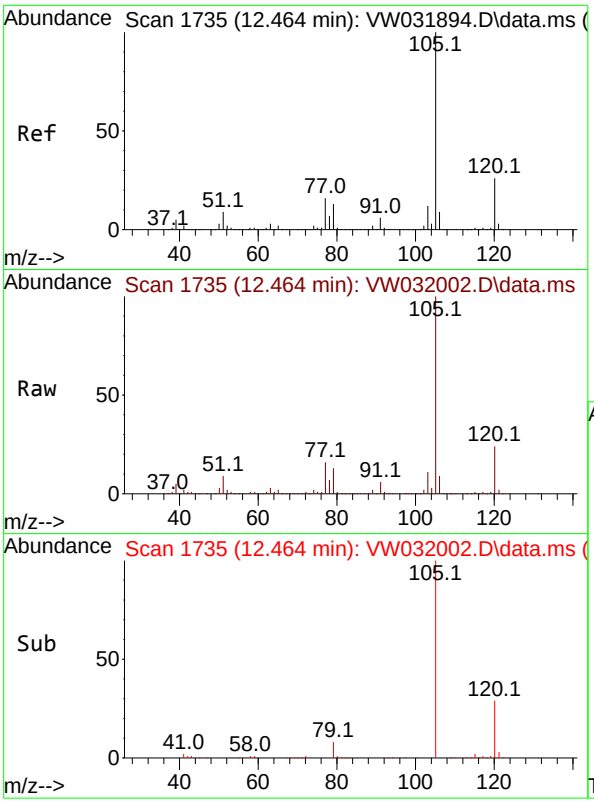


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:152 Resp: 177640

Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.4	100.1
150	177.7	0.0	352.2





#73
Isopropylbenzene
Concen: 49.293 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

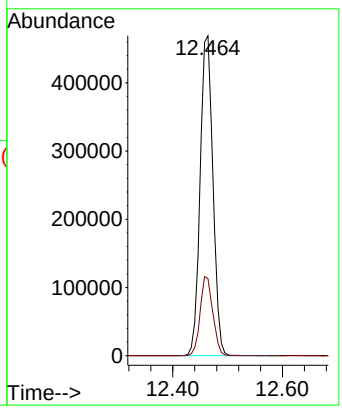
Tgt Ion:105 Resp: 75975

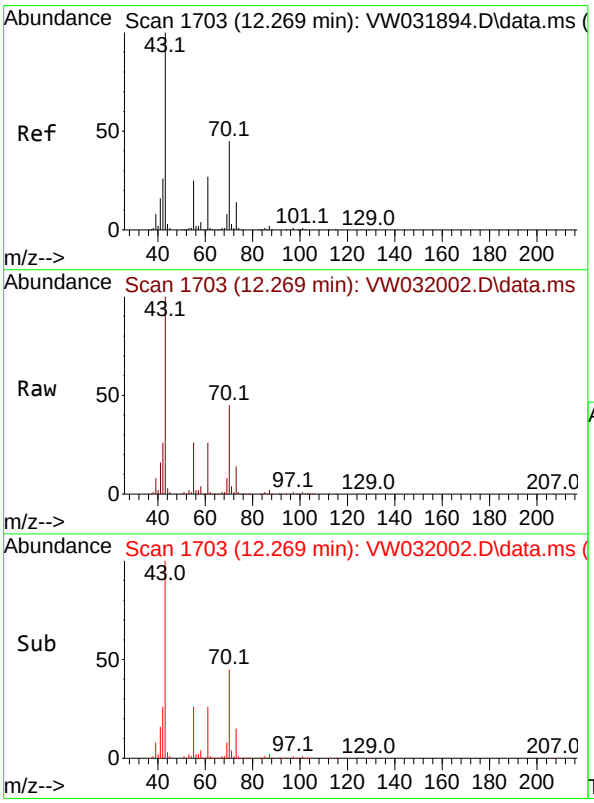
Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.6	37.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

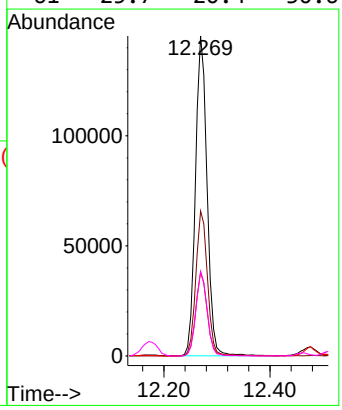


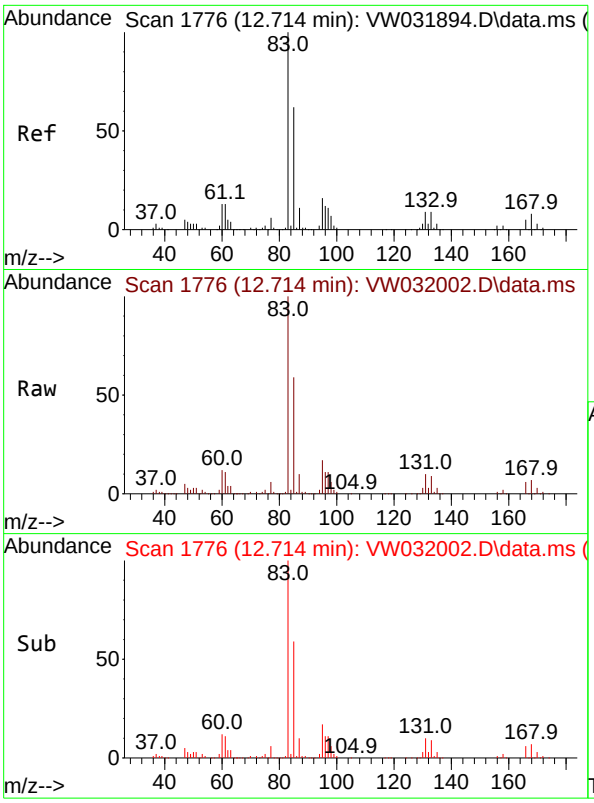


#74
N-amyl acetate
Concen: 52.797 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 220001

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.6	55.0
55	26.1	20.7	31.1
61	25.7	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 52.499 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

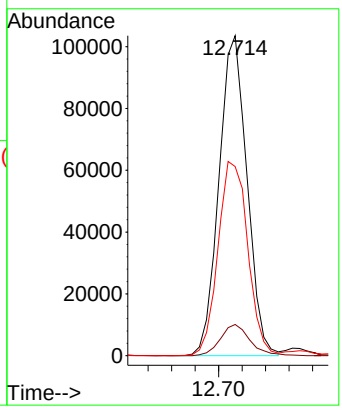
Tgt Ion: 83 Resp: 17175

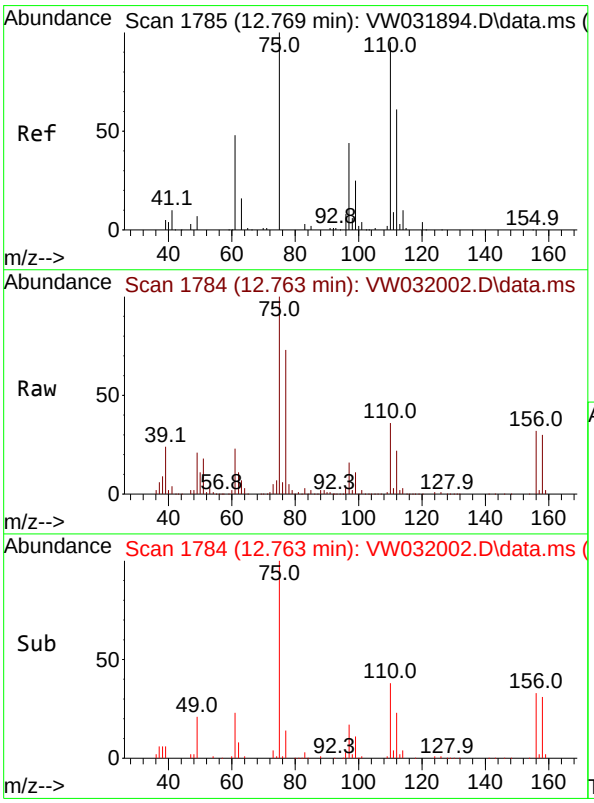
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.4	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

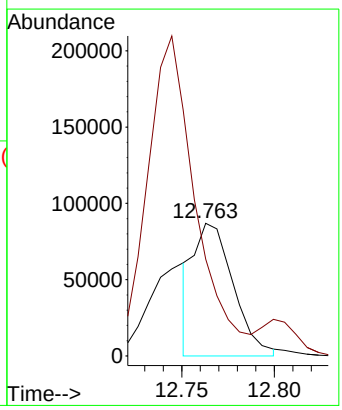


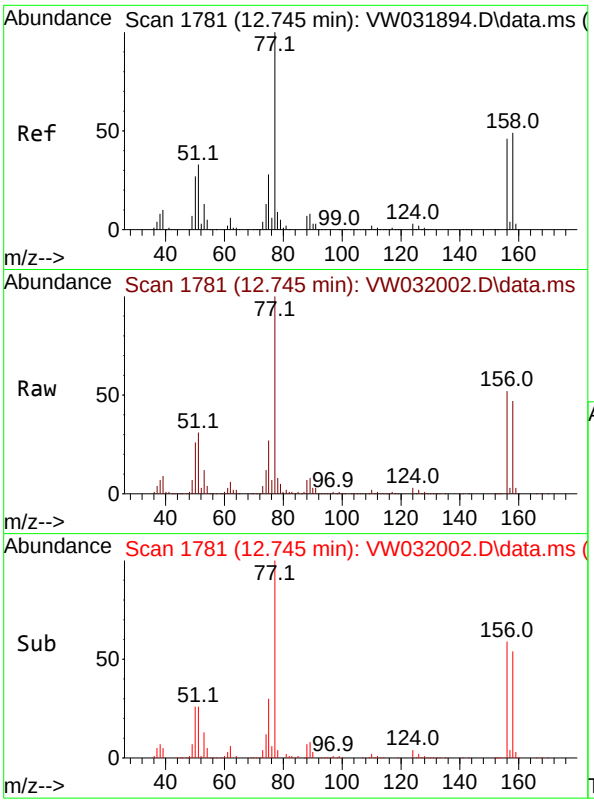


#76
1,2,3-Trichloropropane
Concen: 52.788 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 129466

Ion	Ratio	Lower	Upper
75	100		
77	293.9	0.0	0.0#





#77
Bromobenzene
Concen: 53.344 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

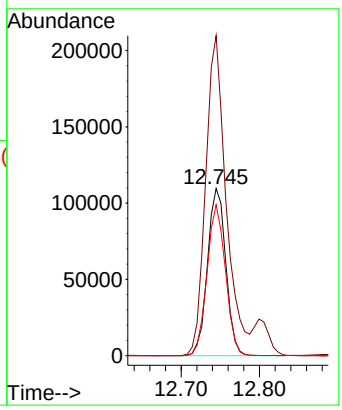
Tgt Ion:156 Resp: 17789

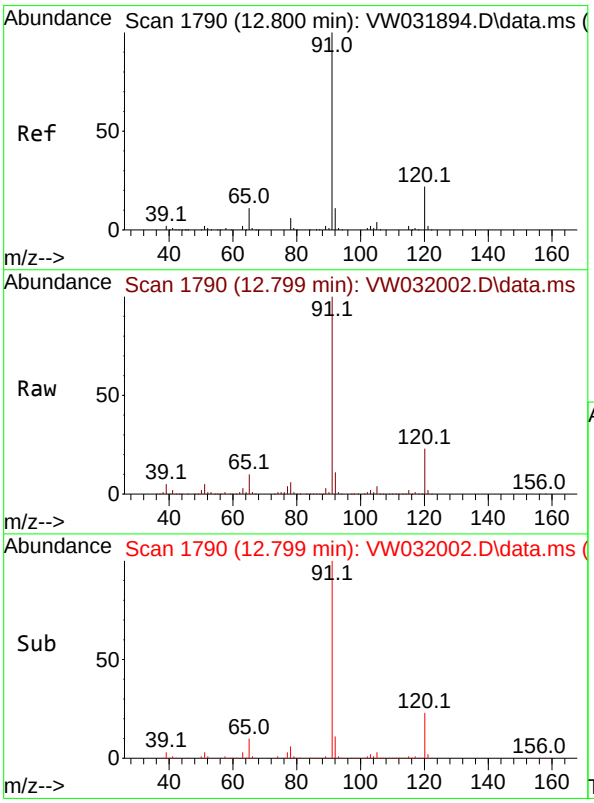
Ion	Ratio	Lower	Upper
156	100		
77	213.9	115.3	345.8
158	90.8	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

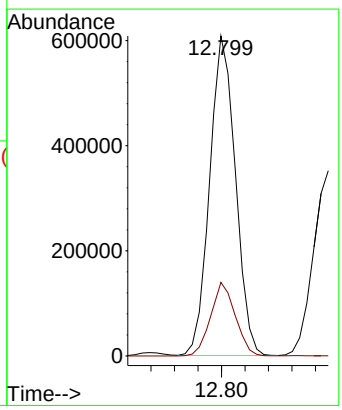


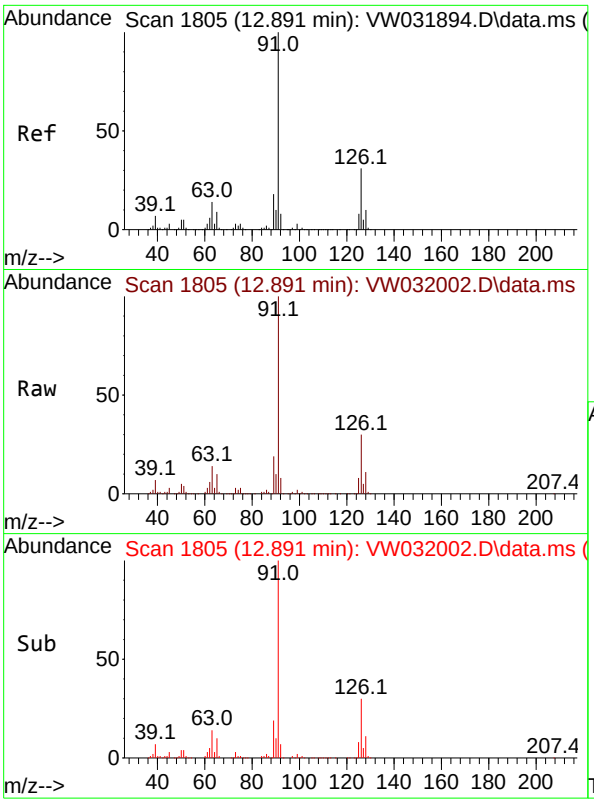


#78
n-propylbenzene
Concen: 48.939 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 91 Resp: 926422

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.6





#79
2-Chlorotoluene
Concen: 49.443 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

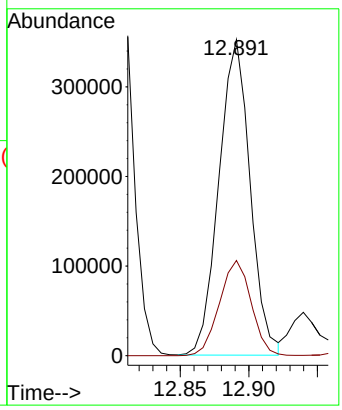
Tgt Ion: 91 Resp: 55883

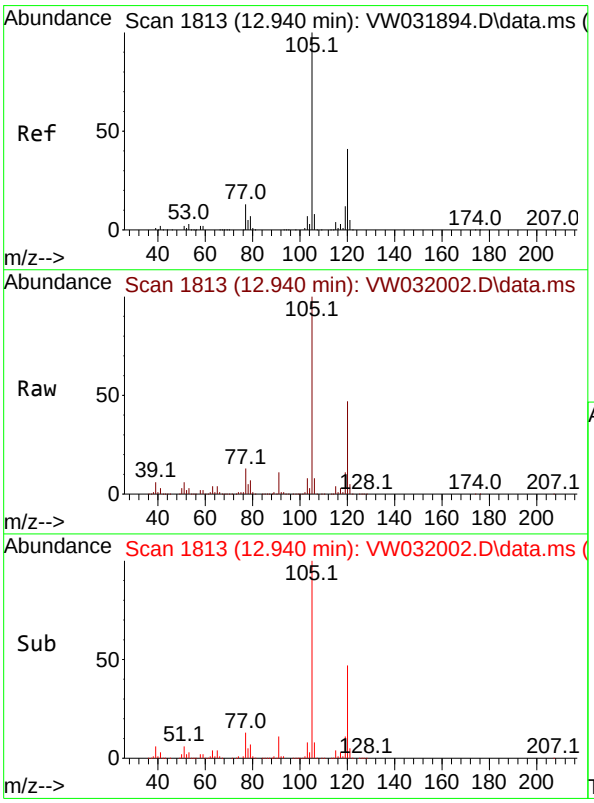
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

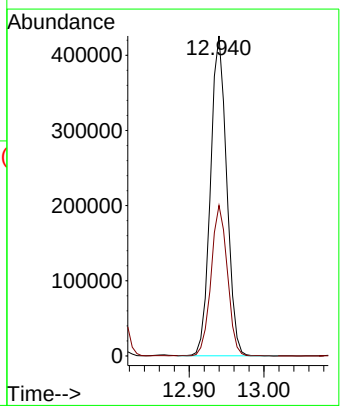


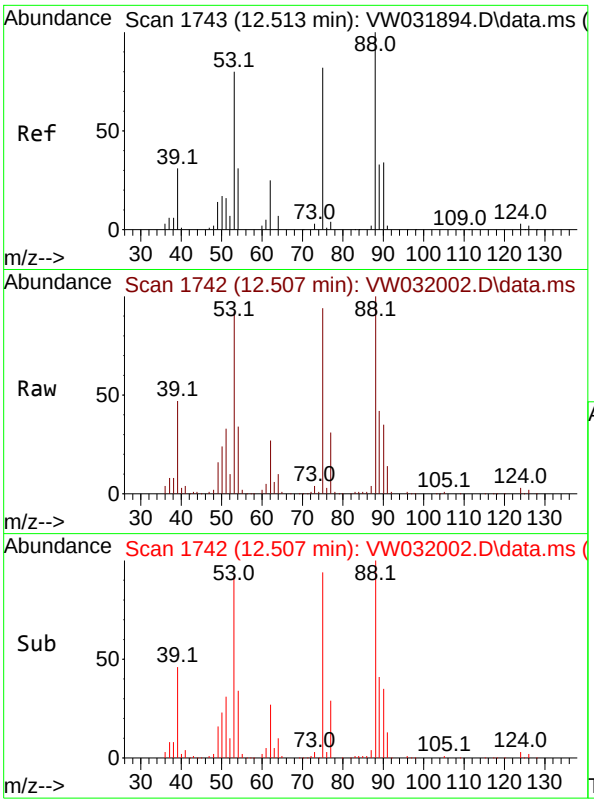


#80
1,3,5-Trimethylbenzene
Concen: 49.717 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:105 Resp: 642679

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 51.886 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

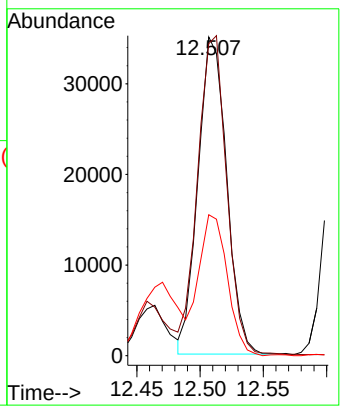
Tgt Ion: 75 Resp: 5511

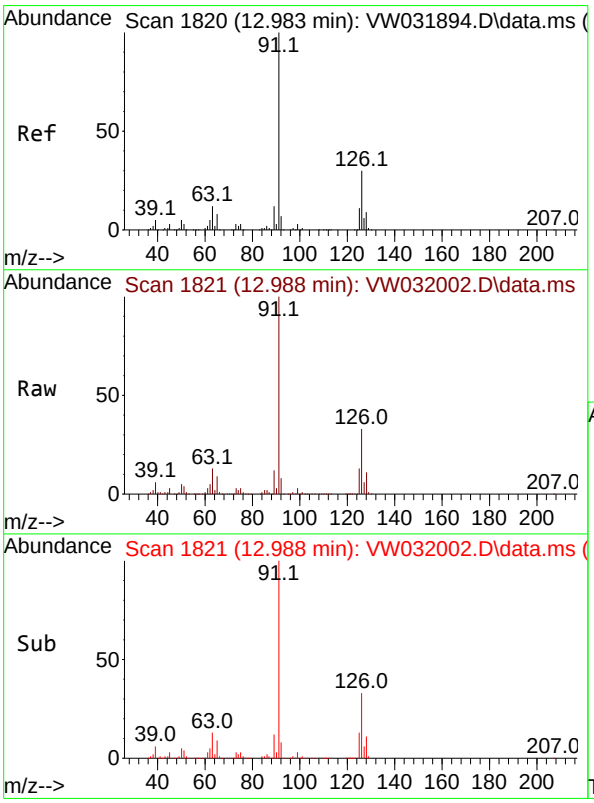
Ion	Ratio	Lower	Upper
75	100		
53	102.3	83.7	125.5
89	44.2	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

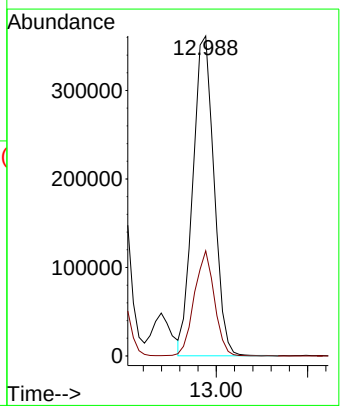


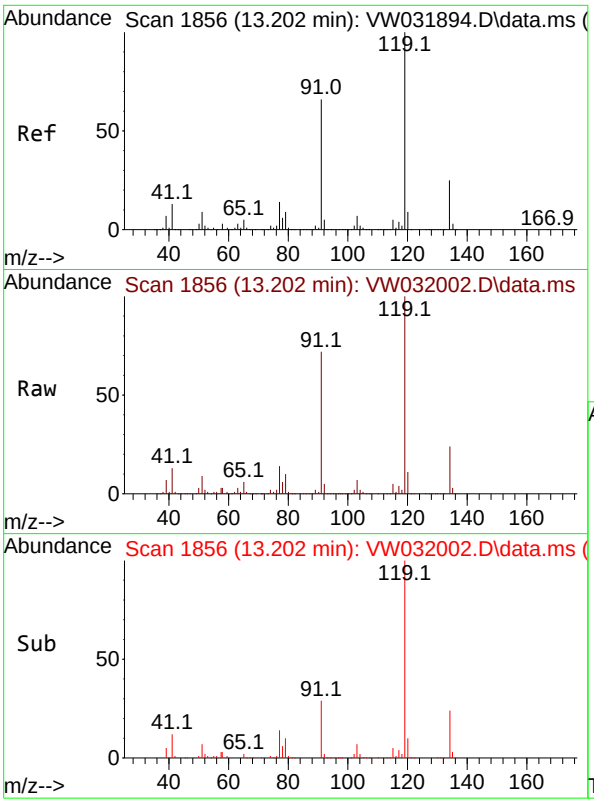


#82
4-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 91 Resp: 578985

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.8	47.3

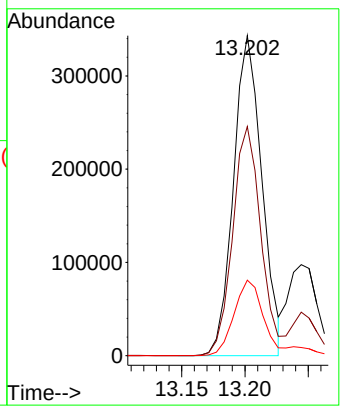




#83
tert-Butylbenzene
Concen: 48.682 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:119 Resp: 53604

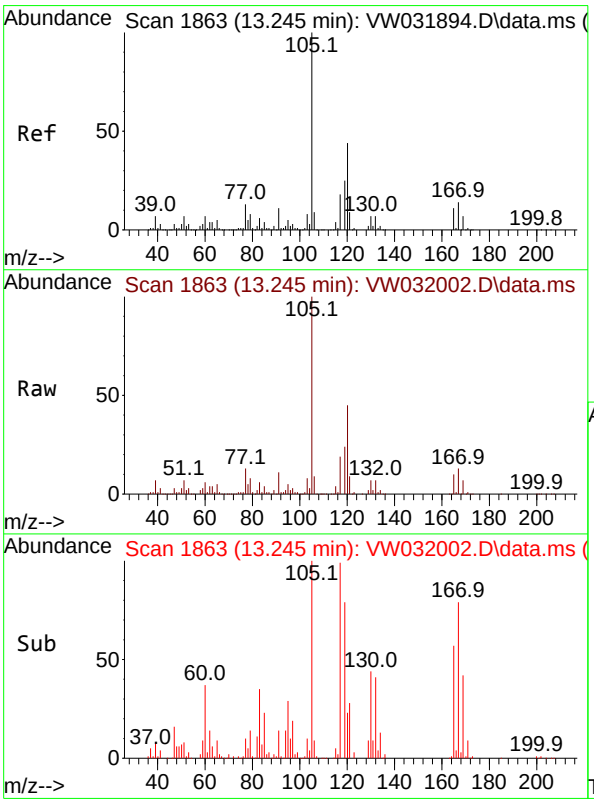
Ion	Ratio	Lower	Upper
119	100		
91	72.0	35.5	106.5
134	24.3	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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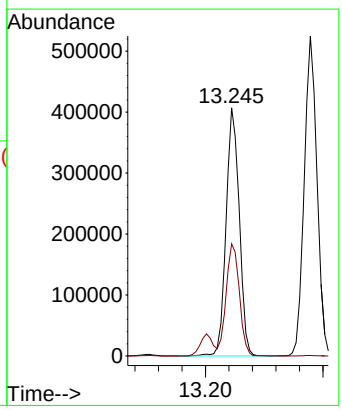
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

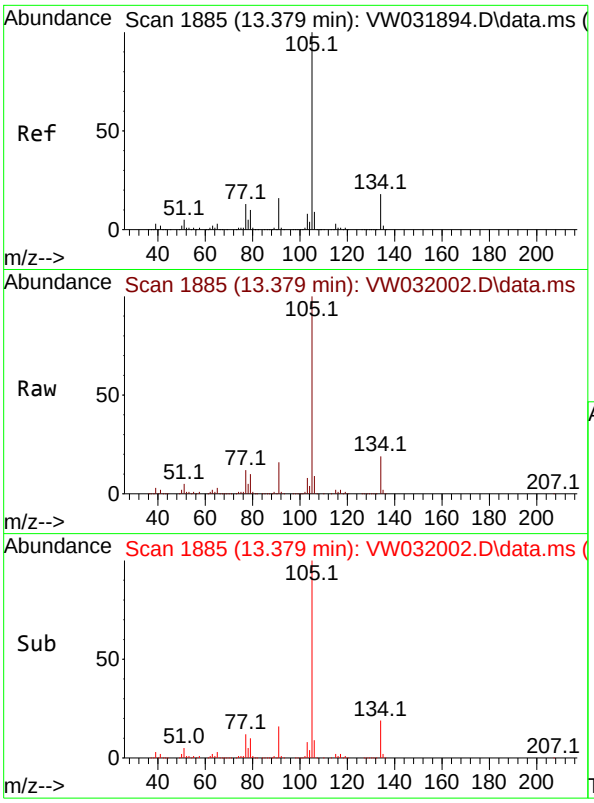


#84
1,2,4-Trimethylbenzene
Concen: 48.501 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:105 Resp: 634587

Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.3	63.9





#85
sec-Butylbenzene
Concen: 47.871 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

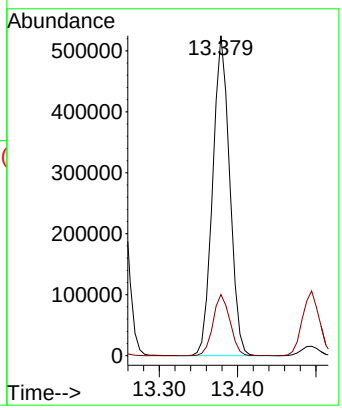
Tgt Ion:105 Resp: 79159

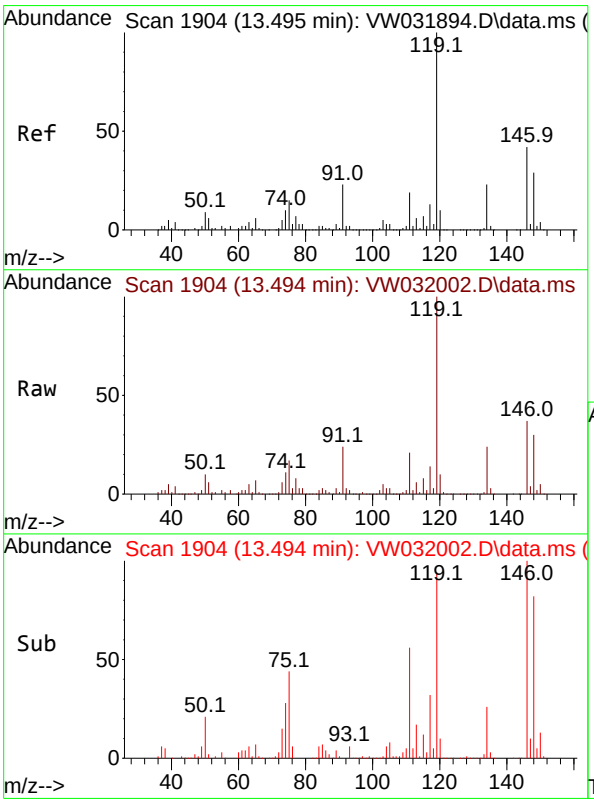
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

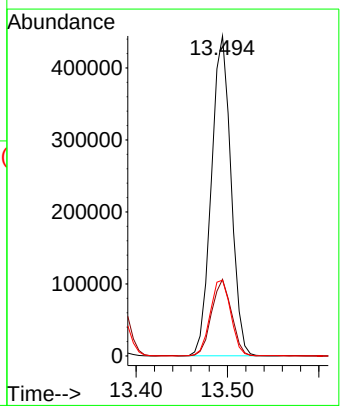


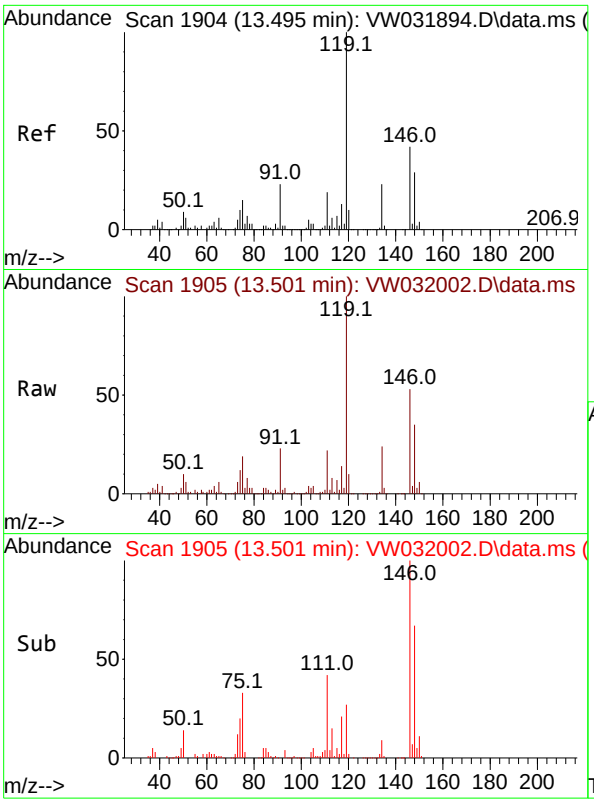


#86
p-Isopropyltoluene
Concen: 48.416 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:119 Resp: 661739

Ion	Ratio	Lower	Upper
119	100		
134	24.3	13.0	39.0
91	24.7	12.7	38.1

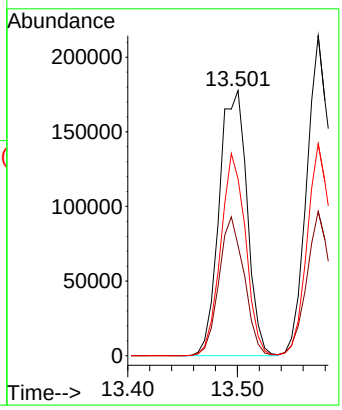




#87
1,3-Dichlorobenzene
Concen: 45.186 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:146 Resp: 31367

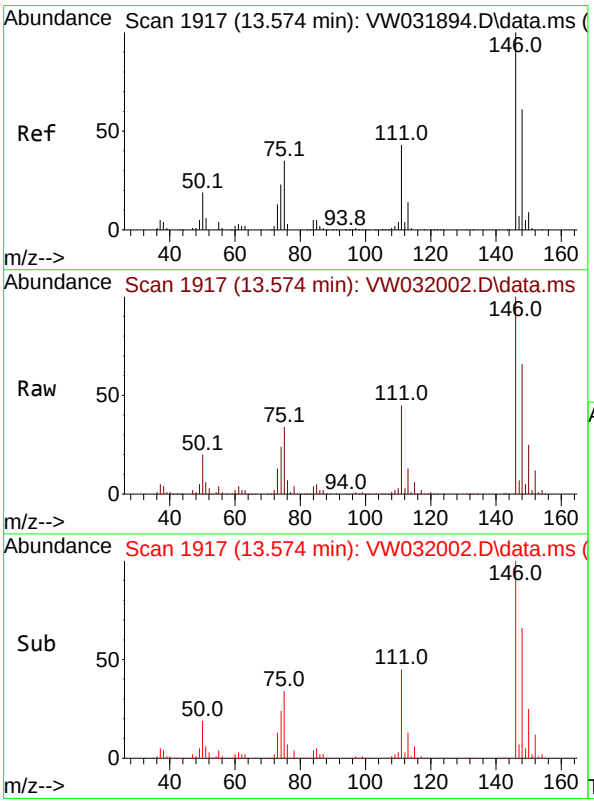
Ion	Ratio	Lower	Upper
146	100		
111	47.3	21.9	65.7
148	68.1	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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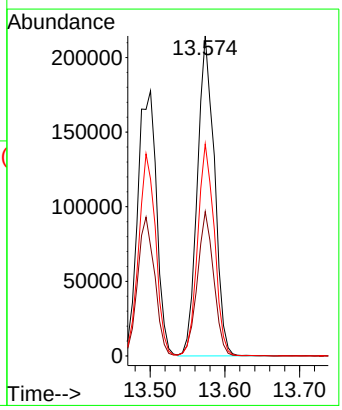
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

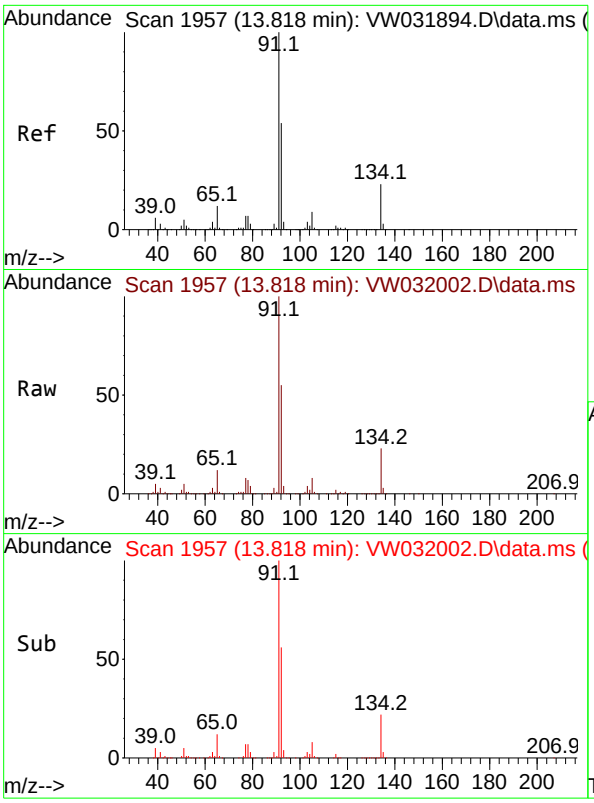


#88
1,4-Dichlorobenzene
Concen: 49.938 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:146 Resp: 339595

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.3
148	64.8	31.8	95.3





#89
n-Butylbenzene
Concen: 48.742 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

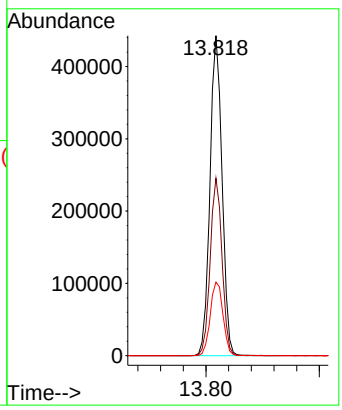
Tgt Ion: 91 Resp: 65351

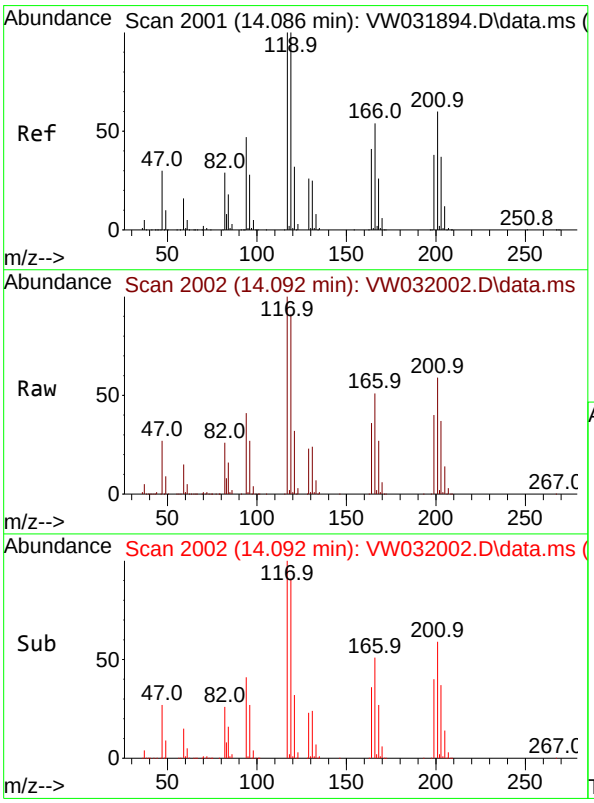
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	24.2	11.6	34.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

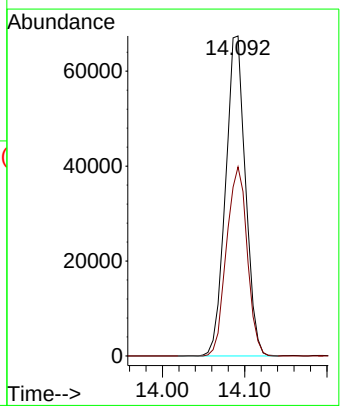


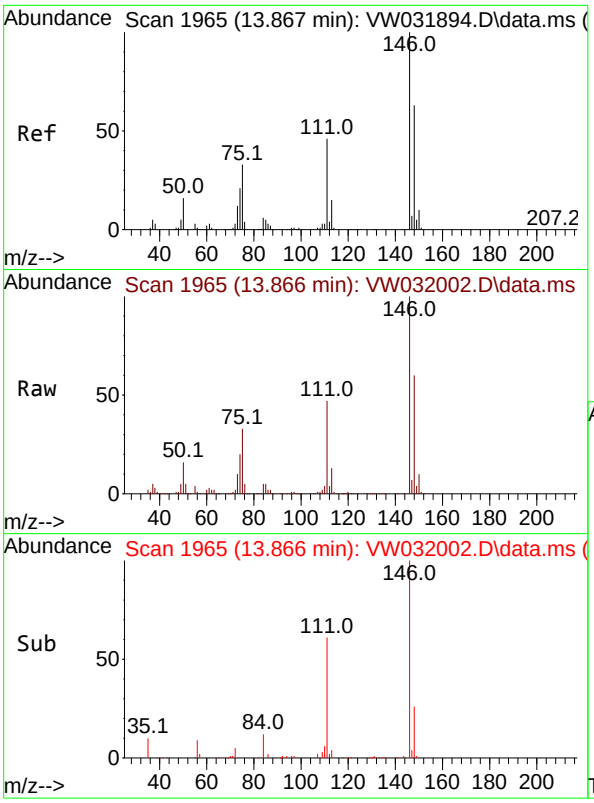


#90
Hexachloroethane
Concen: 48.040 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:117 Resp: 113537

Ion	Ratio	Lower	Upper
117	100		
201	61.4	28.4	85.2

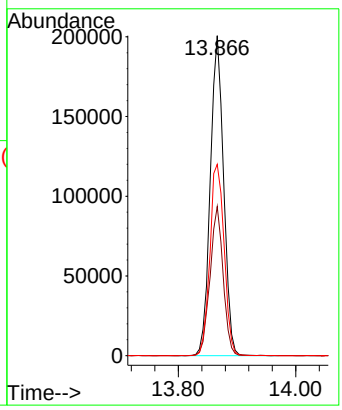




#91
1,2-Dichlorobenzene
Concen: 51.389 ug/l
RT: 13.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:146 Resp: 31615

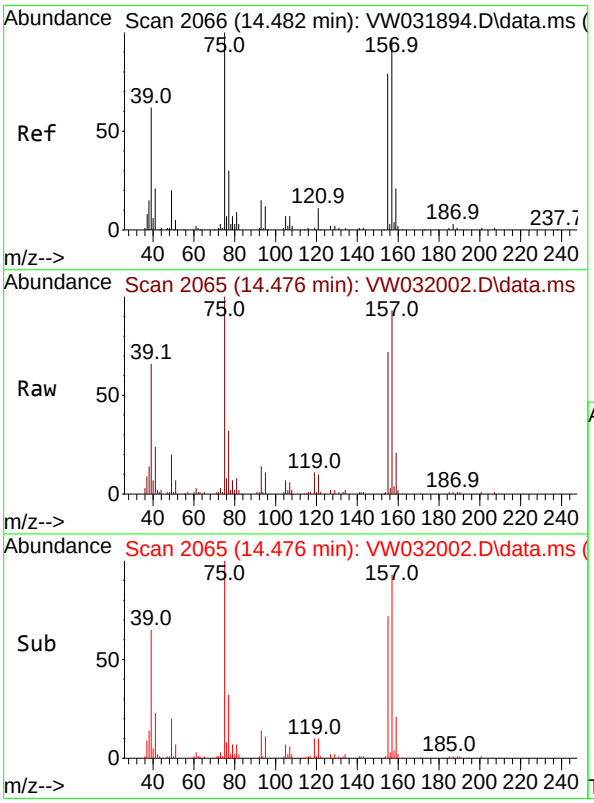
Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.6	71.0
148	63.9	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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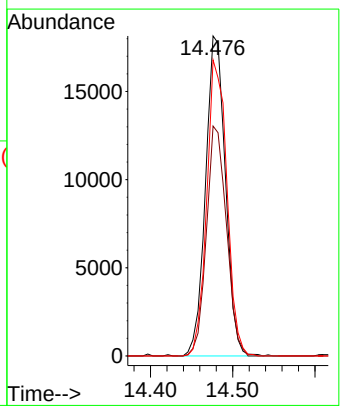
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

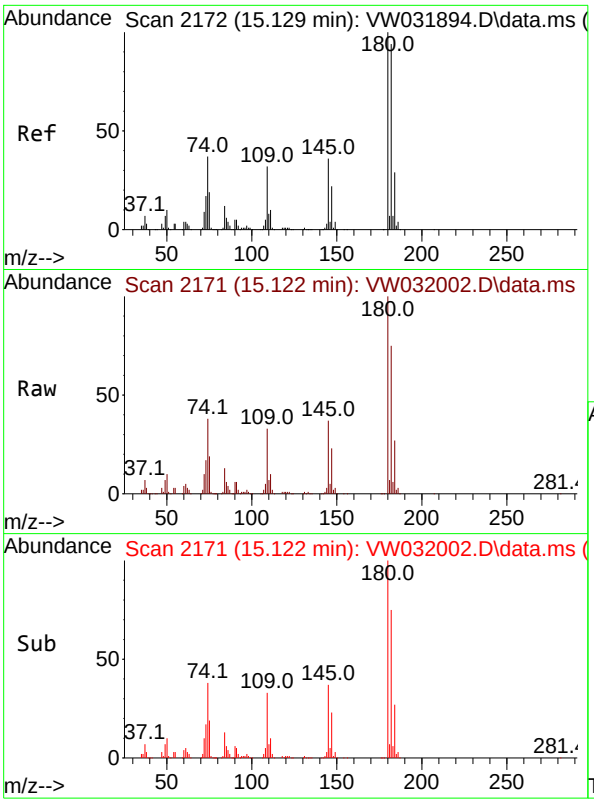


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.606 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 30503

Ion	Ratio	Lower	Upper
75	100		
155	72.3	35.9	107.7
157	93.3	47.4	142.2

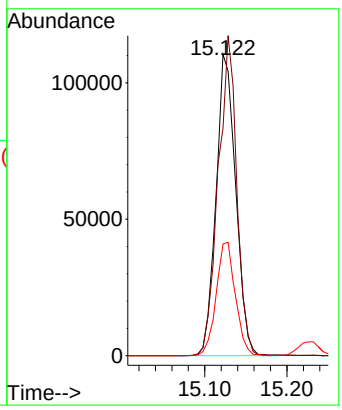




#93
1,2,4-Trichlorobenzene
Concen: 49.590 ug/l
RT: 15.122 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:180 Resp: 18399

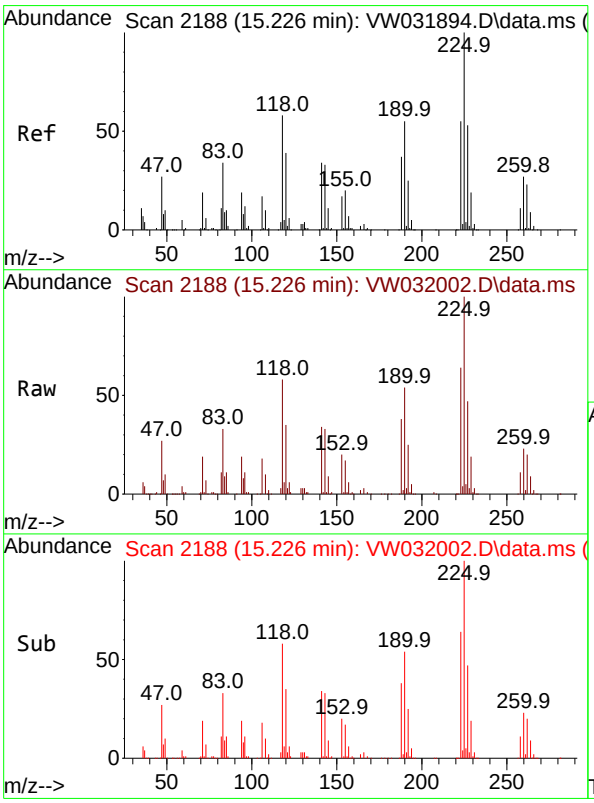
Ion	Ratio	Lower	Upper
180	100		
182	100.1	51.0	153.1
145	36.7	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

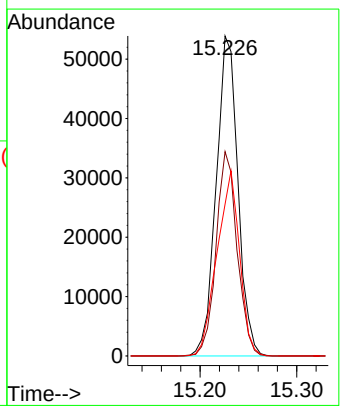
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

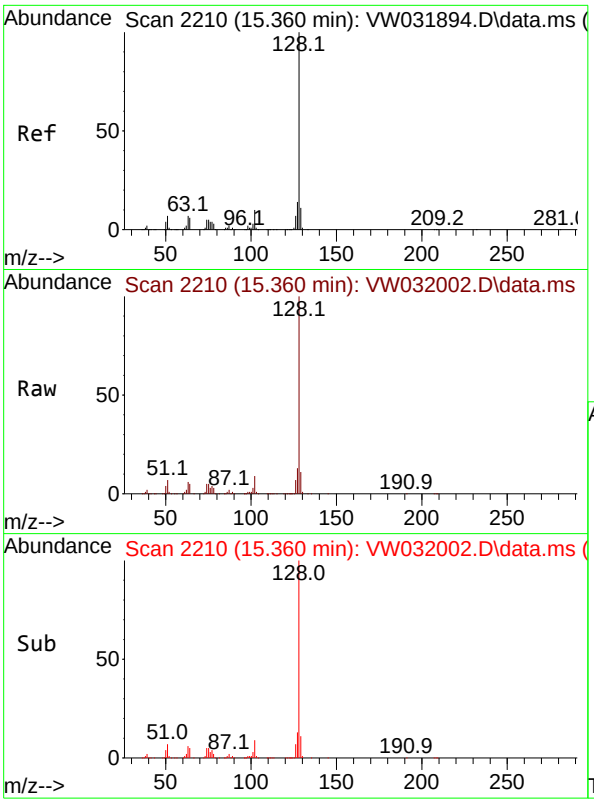


#94
Hexachlorobutadiene
Concen: 47.777 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:225 Resp: 83998

Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	60.0	30.0	90.1

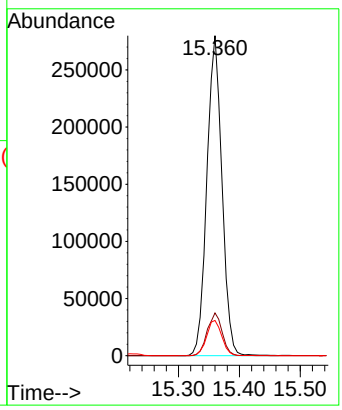




#95
Naphthalene
Concen: 52.726 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:128 Resp: 48095

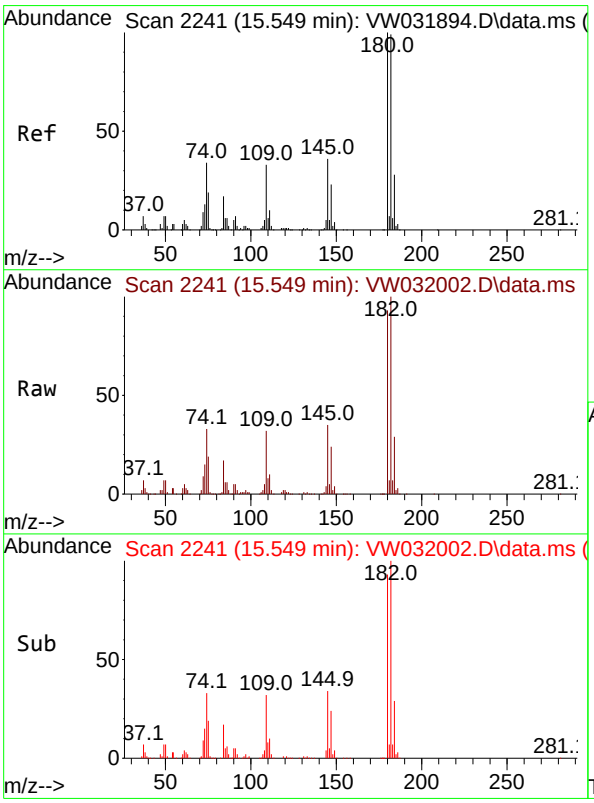
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

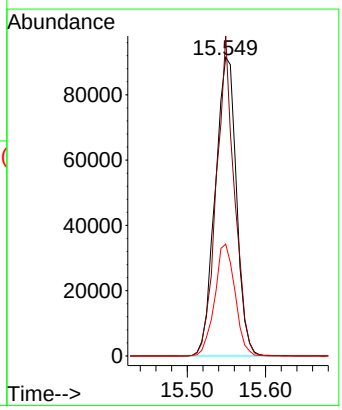
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.272 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:180 Resp: 172358

Ion	Ratio	Lower	Upper
180	100		
182	91.1	50.4	151.2
145	35.9	18.6	55.8



Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.372	0.373	-0.3	98	0.00
3	P	Chloromethane	0.477	0.522	-9.4	113	0.00
4	C	Vinyl Chloride	0.620	0.612	1.3#	93	0.00
5	T	Bromomethane	0.456	0.495	-8.6	107	0.00
6	T	Chloroethane	0.409	0.444	-8.6	106	-0.01
7	T	Trichlorofluoromethane	0.628	0.608	3.2	84	0.00
8	T	Diethyl Ether	0.419	0.446	-6.4	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.638	-5.6	101	-0.01
10	T	Methyl Iodide	0.902	0.939	-4.1	102	0.00
11	T	Tert butyl alcohol	0.044	0.053	-20.5	115	0.00
12	CM	1,1-Dichloroethene	0.667	0.690	-3.4#	100	0.00
13	T	Acrolein	0.065	0.014	78.5#	25#	-0.01
14	T	Allyl chloride	1.038	1.086	-4.6	101	0.00
15	T	Acrylonitrile	0.187	0.222	-18.7	114	0.00
16	T	Acetone	0.179	0.185	-3.4	105	0.00
17	T	Carbon Disulfide	1.729	1.869	-8.1	103	0.00
18	T	Methyl Acetate	0.494	0.649	-31.4#	128	0.00
19	T	Methyl tert-butyl Ether	1.152	1.353	-17.4	112	0.00
20	T	Methylene Chloride	0.944	0.795	15.8	99	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.771	-9.1	105	0.00
22	T	Diisopropyl ether	2.077	2.310	-11.2	105	0.00
23	T	Vinyl Acetate	1.357	1.517	-11.8	105	0.00
24	P	1,1-Dichloroethane	1.293	1.416	-9.5	105	0.00
25	T	2-Butanone	0.246	0.279	-13.4	111	0.00
26	T	2,2-Dichloropropane	0.732	0.748	-2.2	95	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.933	-12.1	106	0.00
28	T	Bromochloromethane	0.541	0.520	3.9	93	0.00
29	T	Tetrahydrofuran	0.161	0.192	-19.3	113	0.00
30	C	Chloroform	1.356	1.502	-10.8#	107	0.00
31	T	Cyclohexane	1.160	1.167	-0.6	99	0.00
32	T	1,1,1-Trichloroethane	1.032	1.091	-5.7	101	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.771	-2.0	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.340	0.339	0.3	102	0.00
36	T	1,1-Dichloropropene	0.522	0.528	-1.1	102	0.00
37	T	Ethyl Acetate	0.298	0.322	-8.1	107	0.00
38	T	Carbon Tetrachloride	0.501	0.495	1.2	99	0.00
39	T	Methylcyclohexane	0.657	0.655	0.3	98	0.00
40	TM	Benzene	1.545	1.617	-4.7	105	0.00
41	T	Methacrylonitrile	0.178	0.177	0.6	97	0.00
42	TM	1,2-Dichloroethane	0.494	0.522	-5.7	107	0.00
43	T	Isopropyl Acetate	0.539	0.584	-8.3	108	0.00
44	TM	Trichloroethene	0.367	0.386	-5.2	105	0.00
45	C	1,2-Dichloropropane	0.372	0.398	-7.0#	109	0.00
46	T	Dibromomethane	0.231	0.253	-9.5	110	0.00
47	T	Bromodichloromethane	0.553	0.588	-6.3	108	0.00
48	T	Methyl methacrylate	0.256	0.284	-10.9	109	0.00

Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	103	0.00
50	S	Toluene-d8	1.286	1.230	4.4	99	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.338	-14.6	113	0.00
52	CM	Toluene	0.993	1.028	-3.5#	103	0.00
53	T	t-1,3-Dichloropropene	0.530	0.566	-6.8	107	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.650	-7.3	106	0.00
55	T	1,1,2-Trichloroethane	0.306	0.337	-10.1	110	0.00
56	T	Ethyl methacrylate	0.433	0.488	-12.7	109	0.00
57	T	1,3-Dichloropropane	0.540	0.587	-8.7	108	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.218	1.8	96	0.00
59	T	2-Hexanone	0.205	0.232	-13.2	111	0.00
60	T	Dibromochloromethane	0.357	0.398	-11.5	111	0.00
61	T	1,2-Dibromoethane	0.303	0.332	-9.6	110	0.00
62	S	4-Bromofluorobenzene	0.494	0.482	2.4	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.330	0.335	-1.5	108	0.00
65	PM	Chlorobenzene	1.224	1.249	-2.0	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.396	-4.5	110	0.00
67	C	Ethyl Benzene	2.150	2.196	-2.1#	103	0.00
68	T	m/p-Xylenes	0.809	0.824	-1.9	105	0.00
69	T	o-Xylene	0.766	0.783	-2.2	103	0.00
70	T	Styrene	1.304	1.382	-6.0	106	0.00
71	P	Bromoform	0.207	0.233	-12.6	112	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.338	4.277	1.4	102	0.00
74	T	N-amyl acetate	1.173	1.238	-5.5	109	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.967	-5.0	111	0.00
76	T	1,2,3-Trichloropropane	0.690	0.729	-5.7	111	0.00
77	T	Bromobenzene	0.939	1.001	-6.6	116	0.00
78	T	n-propylbenzene	5.328	5.215	2.1	103	0.00
79	T	2-Chlorotoluene	3.181	3.146	1.1	106	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.618	0.5	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.310	-3.7	109	0.00
82	T	4-Chlorotoluene	3.337	3.259	2.3	105	0.00
83	T	tert-Butylbenzene	3.099	3.018	2.6	103	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.572	3.0	102	0.00
85	T	sec-Butylbenzene	4.654	4.456	4.3	102	0.00
86	T	p-Isopropyltoluene	3.847	3.725	3.2	102	0.00
87	T	1,3-Dichlorobenzene	1.954	1.766	9.6	97	0.00
88	T	1,4-Dichlorobenzene	1.914	1.912	0.1	110	0.00
89	T	n-Butylbenzene	3.774	3.679	2.5	101	0.00
90	T	Hexachloroethane	0.665	0.639	3.9	105	0.00
91	T	1,2-Dichlorobenzene	1.732	1.780	-2.8	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.172	-3.6	113	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.036	0.8	111	0.00
94	T	Hexachlorobutadiene	0.495	0.473	4.4	102	0.00
95	T	Naphthalene	2.567	2.707	-5.5	112	0.00

Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	0.970	-2.5	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	50.193	-0.4	98	0.00
3	P	Chloromethane	50.000	54.763	-9.5	113	0.00
4	C	Vinyl Chloride	50.000	49.350	1.3#	93	0.00
5	T	Bromomethane	50.000	54.290	-8.6	107	0.00
6	T	Chloroethane	50.000	54.308	-8.6	106	-0.01
7	T	Trichlorofluoromethane	50.000	48.458	3.1	84	0.00
8	T	Diethyl Ether	50.000	53.173	-6.3	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.819	-5.6	101	-0.01
10	T	Methyl Iodide	50.000	52.004	-4.0	102	0.00
11	T	Tert butyl alcohol	250.000	300.768	-20.3	115	0.00
12	CM	1,1-Dichloroethene	50.000	51.773	-3.5#	100	0.00
13	T	Acrolein	250.000	49.545	80.2#	25	-0.01
14	T	Allyl chloride	50.000	52.341	-4.7	101	0.00
15	T	Acrylonitrile	250.000	295.808	-18.3	114	0.00
16	T	Acetone	250.000	257.974	-3.2	105	0.00
17	T	Carbon Disulfide	50.000	54.053	-8.1	103	0.00
18	T	Methyl Acetate	50.000	65.611	-31.2#	128	0.00
19	T	Methyl tert-butyl Ether	50.000	58.711	-17.4	112	0.00
20	T	Methylene Chloride	50.000	51.974	-3.9	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.508	-9.0	105	0.00
22	T	Diisopropyl ether	50.000	55.606	-11.2	105	0.00
23	T	Vinyl Acetate	250.000	279.463	-11.8	105	0.00
24	P	1,1-Dichloroethane	50.000	54.769	-9.5	105	0.00
25	T	2-Butanone	250.000	284.058	-13.6	111	0.00
26	T	2,2-Dichloropropane	50.000	51.117	-2.2	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.086	-12.2	106	0.00
28	T	Bromochloromethane	50.000	48.028	3.9	93	0.00
29	T	Tetrahydrofuran	250.000	298.524	-19.4	113	0.00
30	C	Chloroform	50.000	55.380	-10.8#	107	0.00
31	T	Cyclohexane	50.000	50.319	-0.6	99	0.00
32	T	1,1,1-Trichloroethane	50.000	52.886	-5.8	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.966	-1.9	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	49.929	0.1	102	0.00
36	T	1,1-Dichloropropene	50.000	50.630	-1.3	102	0.00
37	T	Ethyl Acetate	50.000	54.174	-8.3	107	0.00
38	T	Carbon Tetrachloride	50.000	49.444	1.1	99	0.00
39	T	Methylcyclohexane	50.000	49.854	0.3	98	0.00
40	TM	Benzene	50.000	52.355	-4.7	105	0.00
41	T	Methacrylonitrile	50.000	49.564	0.9	97	0.00
42	TM	1,2-Dichloroethane	50.000	52.764	-5.5	107	0.00
43	T	Isopropyl Acetate	50.000	54.209	-8.4	108	0.00
44	TM	Trichloroethene	50.000	52.612	-5.2	105	0.00
45	C	1,2-Dichloropropane	50.000	53.525	-7.0#	109	0.00
46	T	Dibromomethane	50.000	54.757	-9.5	110	0.00
47	T	Bromodichloromethane	50.000	53.178	-6.4	108	0.00
48	T	Methyl methacrylate	50.000	55.382	-10.8	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1192.087	-19.2	103	0.00
50	S	Toluene-d8	50.000	47.833	4.3	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.490	-14.6	113	0.00
52	CM	Toluene	50.000	51.787	-3.6#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.347	-6.7	107	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.683	-7.4	106	0.00
55	T	1,1,2-Trichloroethane	50.000	55.004	-10.0	110	0.00
56	T	Ethyl methacrylate	50.000	56.390	-12.8	109	0.00
57	T	1,3-Dichloropropane	50.000	54.354	-8.7	108	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	245.376	1.8	96	0.00
59	T	2-Hexanone	250.000	283.159	-13.3	111	0.00
60	T	Dibromochloromethane	50.000	55.682	-11.4	111	0.00
61	T	1,2-Dibromoethane	50.000	54.843	-9.7	110	0.00
62	S	4-Bromofluorobenzene	50.000	48.771	2.5	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.824	-1.6	108	0.00
65	PM	Chlorobenzene	50.000	51.049	-2.1	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.138	-4.3	110	0.00
67	C	Ethyl Benzene	50.000	51.057	-2.1#	103	0.00
68	T	m/p-Xylenes	100.000	101.825	-1.8	105	0.00
69	T	o-Xylene	50.000	51.081	-2.2	103	0.00
70	T	Styrene	50.000	52.978	-6.0	106	0.00
71	P	Bromoform	50.000	56.142	-12.3	112	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.293	1.4	102	0.00
74	T	N-amyl acetate	50.000	52.797	-5.6	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.499	-5.0	111	0.00
76	T	1,2,3-Trichloropropane	50.000	52.788	-5.6	111	0.00
77	T	Bromobenzene	50.000	53.344	-6.7	116	0.00
78	T	n-propylbenzene	50.000	48.939	2.1	103	0.00
79	T	2-Chlorotoluene	50.000	49.443	1.1	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.717	0.6	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.886	-3.8	109	0.00
82	T	4-Chlorotoluene	50.000	48.829	2.3	105	0.00
83	T	tert-Butylbenzene	50.000	48.682	2.6	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.501	3.0	102	0.00
85	T	sec-Butylbenzene	50.000	47.871	4.3	102	0.00
86	T	p-Isopropyltoluene	50.000	48.416	3.2	102	0.00
87	T	1,3-Dichlorobenzene	50.000	45.186	9.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.938	0.1	110	0.00
89	T	n-Butylbenzene	50.000	48.742	2.5	101	0.00
90	T	Hexachloroethane	50.000	48.040	3.9	105	0.00
91	T	1,2-Dichlorobenzene	50.000	51.389	-2.8	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.606	-3.2	113	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.590	0.8	111	0.00
94	T	Hexachlorobutadiene	50.000	47.777	4.4	102	0.00
95	T	Naphthalene	50.000	52.726	-5.5	112	0.00

Sample Results: **VW032002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.272	-2.5	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

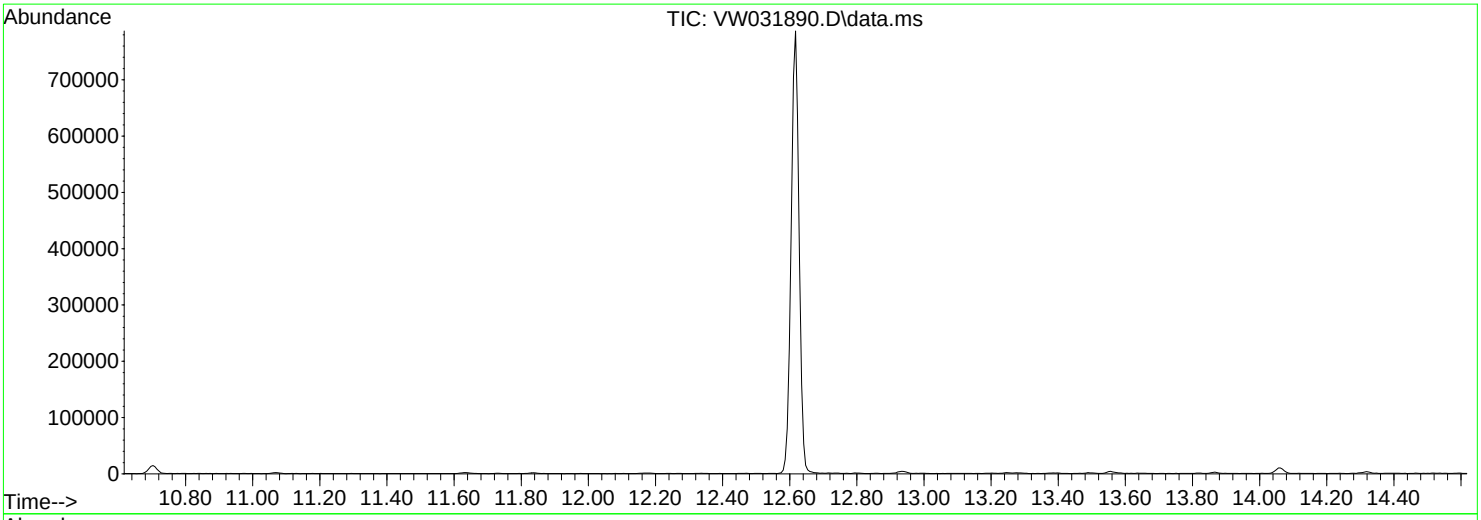
Sample Results: **VW031890.D**

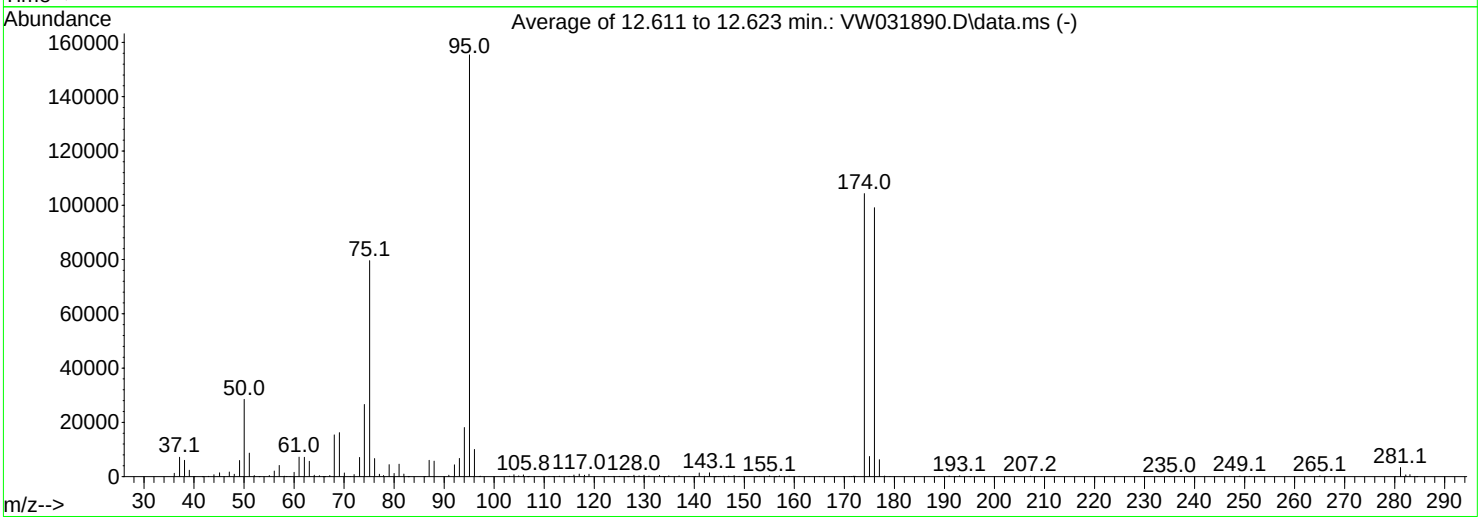
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031890.D
Acq On : 22 Jul 2025 08:14
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	28475	PASS
75	95	30	60	51.2	79621	PASS
95	95	100	100	100.0	155413	PASS
96	95	5	9	6.4	10008	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	104317	PASS
175	174	5	9	7.1	7429	PASS
176	174	95	101	95.0	99120	PASS
177	176	5	9	6.3	6263	PASS

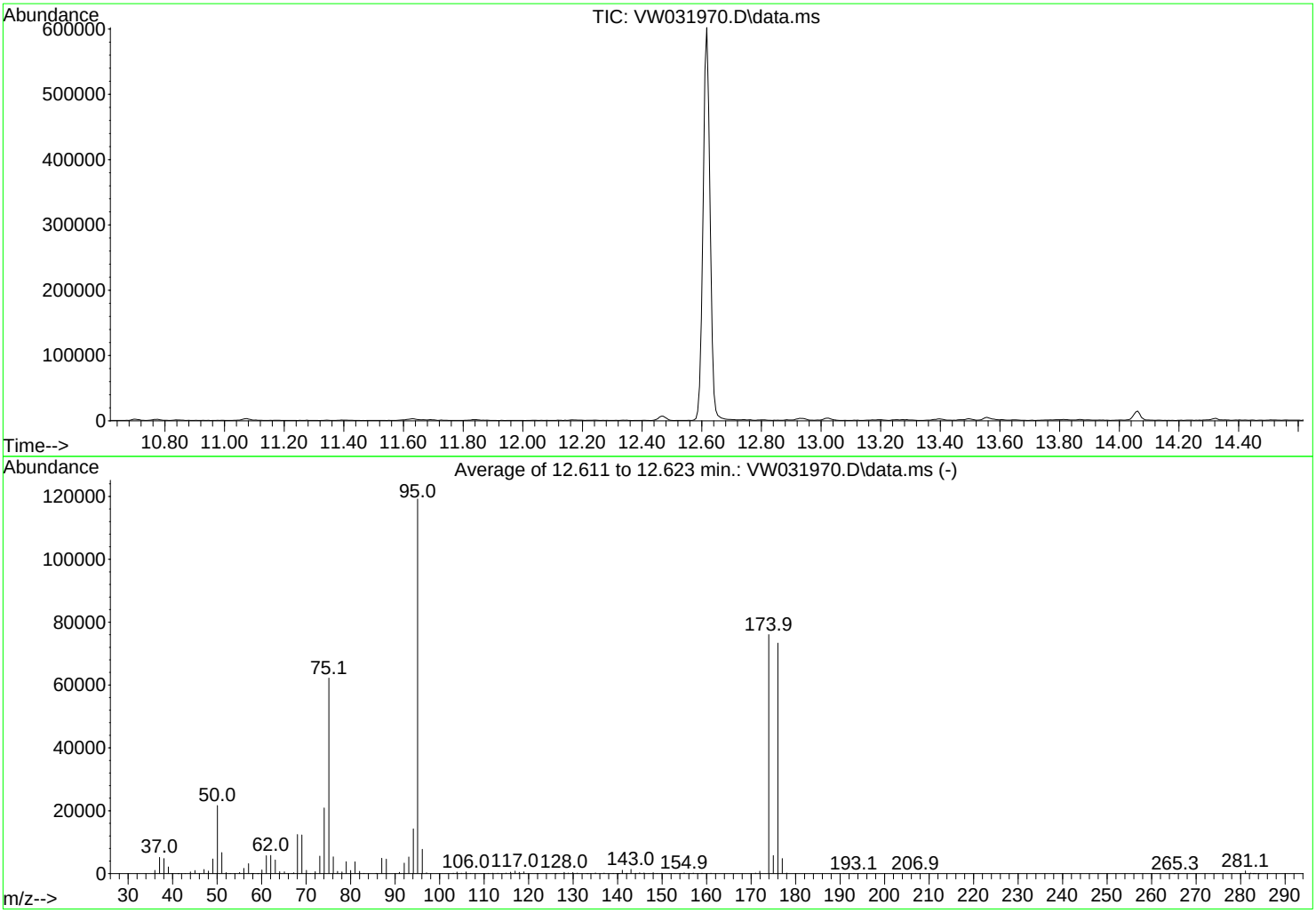
Sample Results: **VW031970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031970.D
Acq On : 01 Aug 2025 07:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	21667	PASS
75	95	30	60	52.2	62216	PASS
95	95	100	100	100.0	119189	PASS
96	95	5	9	6.5	7728	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.8	76035	PASS
175	174	5	9	7.5	5730	PASS
176	174	95	101	96.4	73323	PASS
177	176	5	9	6.5	4787	PASS

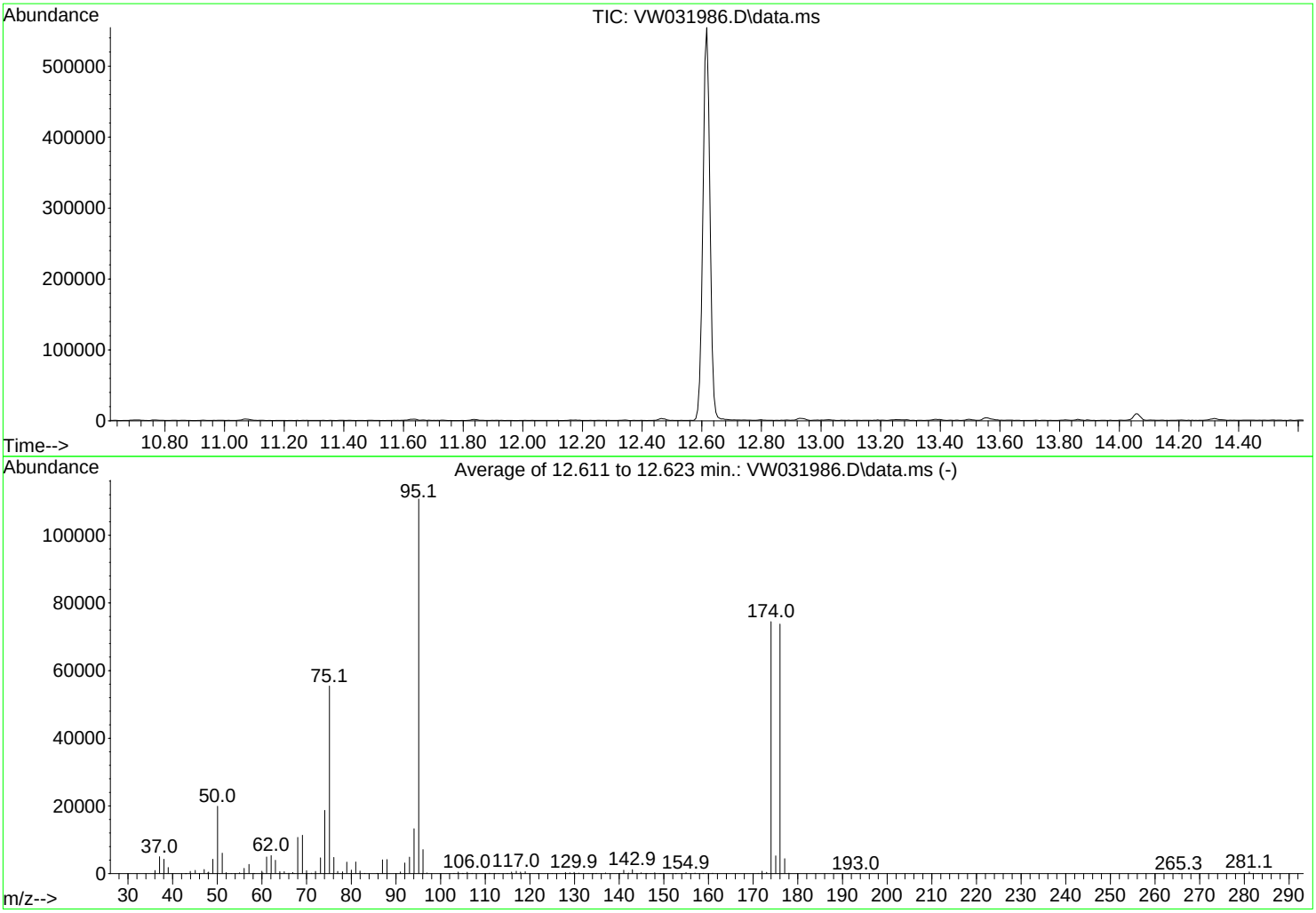
Sample Results: **VW031986.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031986.D
Acq On : 04 Aug 2025 07:47
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	19909	PASS
75	95	30	60	50.1	55443	PASS
95	95	100	100	100.0	110731	PASS
96	95	5	9	6.4	7093	PASS
173	174	0.00	2	0.5	361	PASS
174	95	50	100	67.3	74496	PASS
175	174	5	9	7.1	5259	PASS
176	174	95	101	99.0	73763	PASS
177	176	5	9	6.0	4412	PASS

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VW031972.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VW031972.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		78 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	46.9		85 - 116		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		79 - 119		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	165000	7.959				
540-36-3	1,4-Difluorobenzene	350000	8.849				
3114-55-4	Chlorobenzene-d5	344000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.556				

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

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

Sample Results: **VW031972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Time: Aug 01 23:07:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

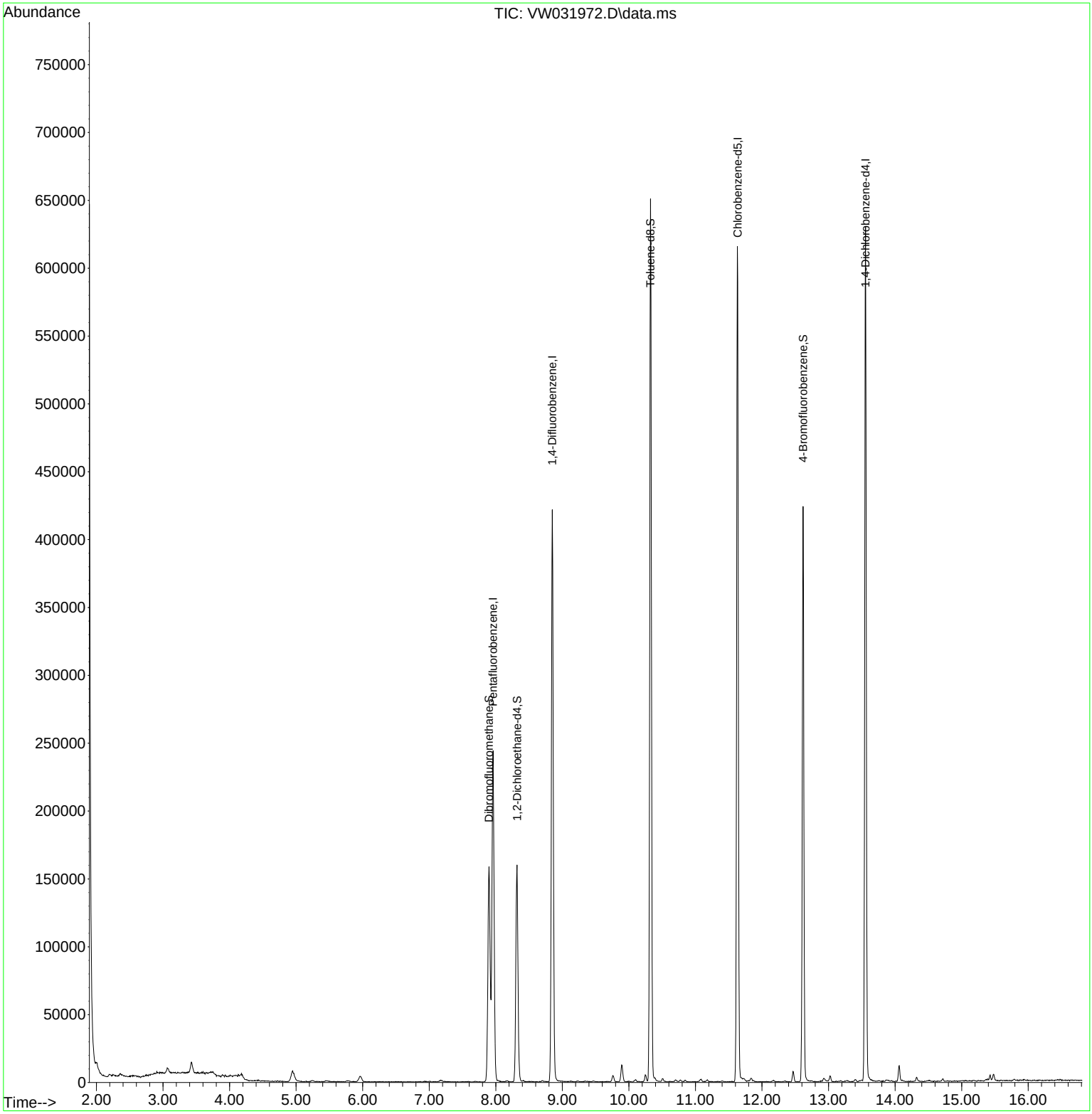
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	165069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	350388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	344045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131178	52.533	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.060%			
35) Dibromofluoromethane	7.898	113	116693	49.011	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.020%			
50) Toluene-d8	10.325	98	422958	46.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 93.880%			
62) 4-Bromofluorobenzene	12.617	95	152294	44.015	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 88.020%			
Target Compounds						Qvalue

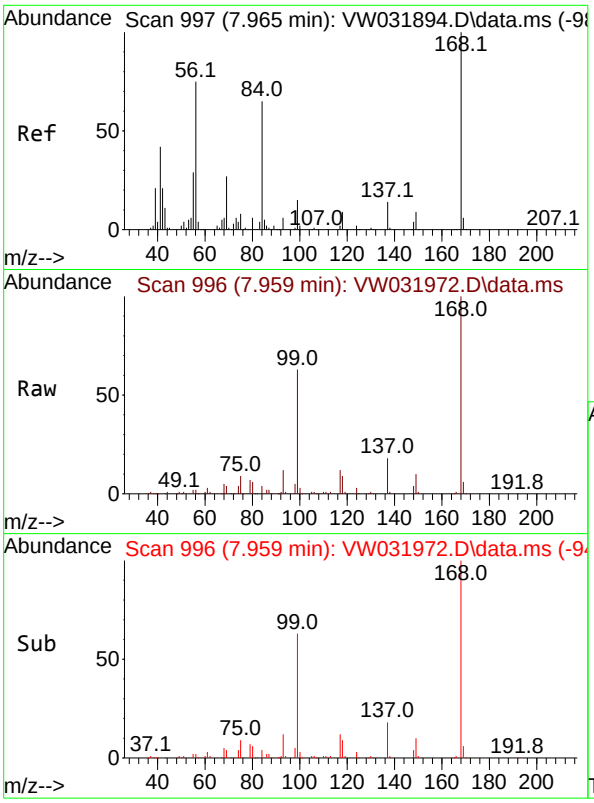
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Time: Aug 01 23:07:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



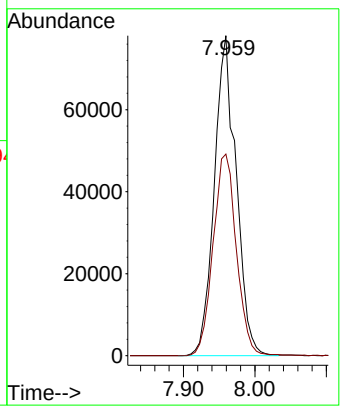


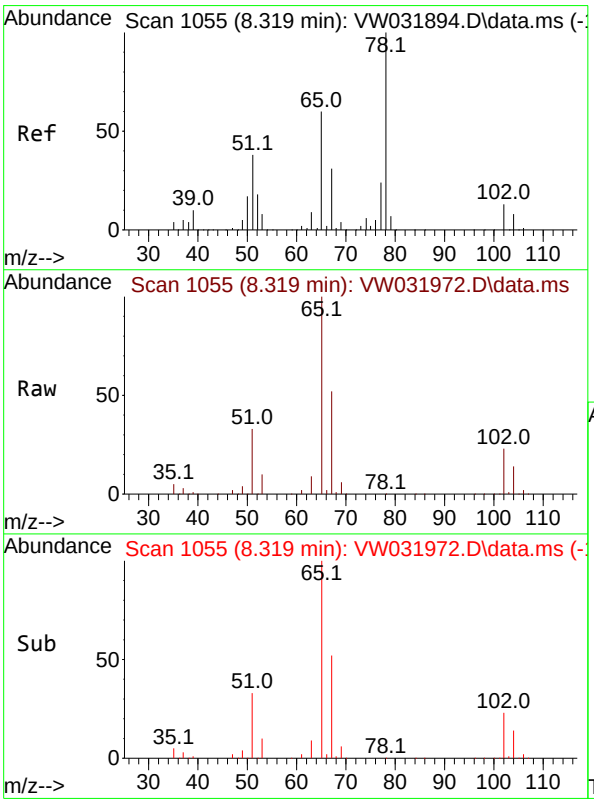
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:168 Resp: 165069

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.2	72.2

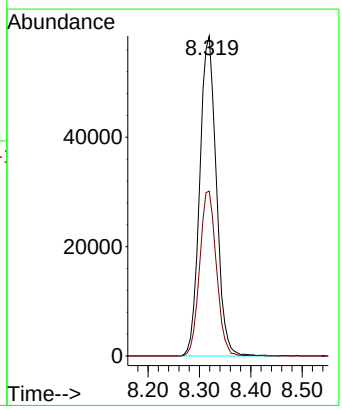


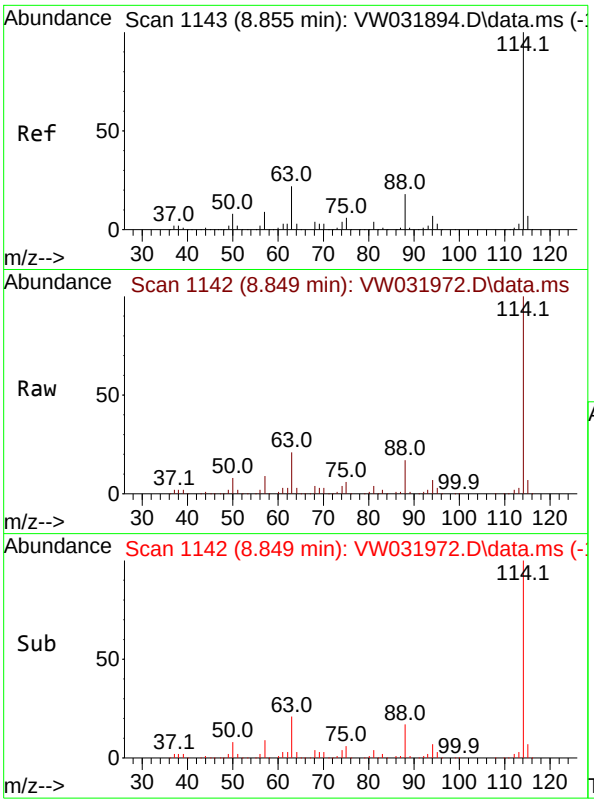


#33
1,2-Dichloroethane-d4
Concen: 52.533 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 65 Resp: 131178

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	101.4



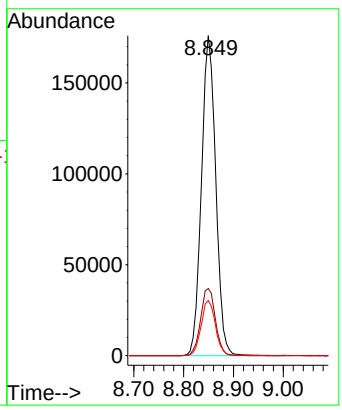


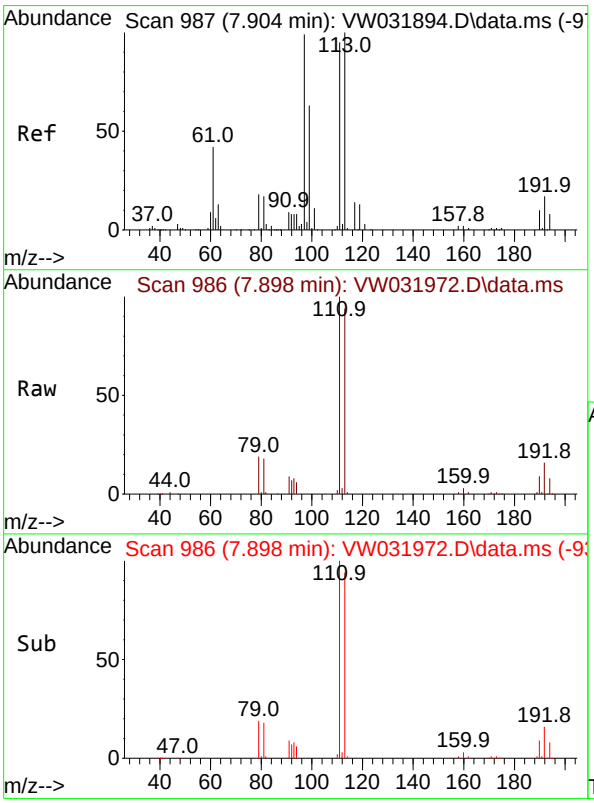
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:114 Resp: 350388

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	17.2	0.0	35.6

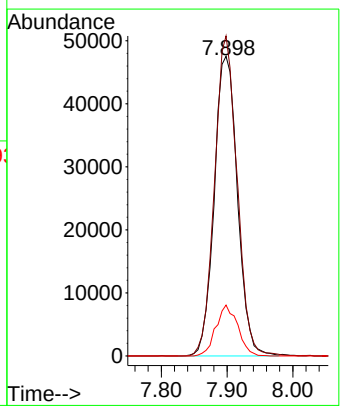


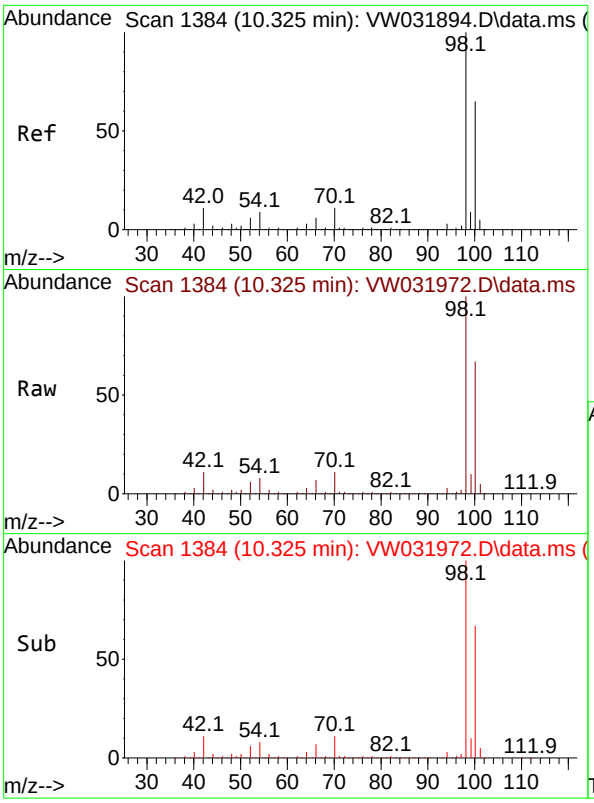


#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion:113 Resp: 116693

Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.9	119.9
192	16.0	12.6	19.0



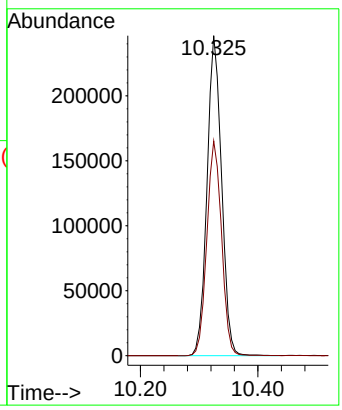


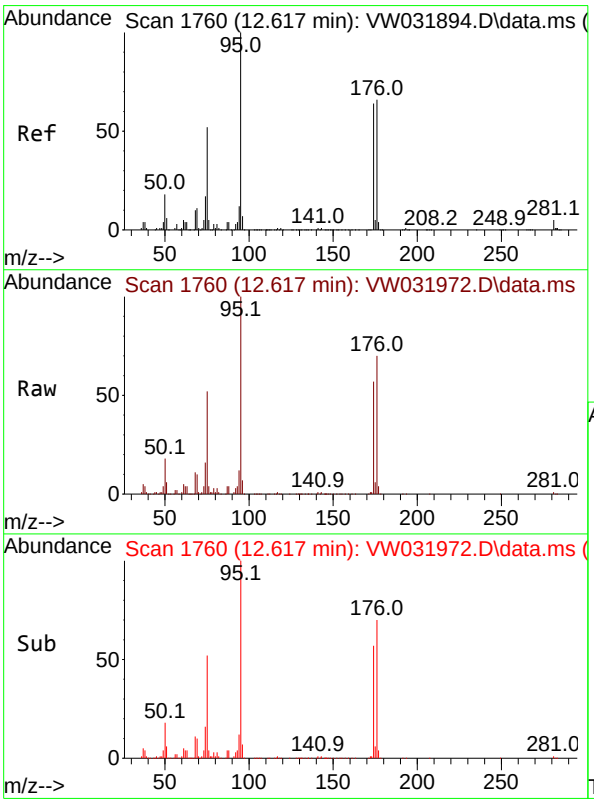
#50
Toluene-d8
Concen: 46.938 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion: 98 Resp: 422958

Ion	Ratio	Lower	Upper
98	100		
100	67.9	51.7	77.5

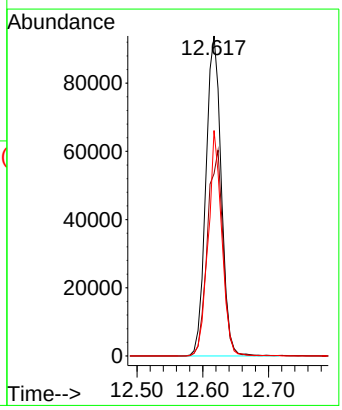


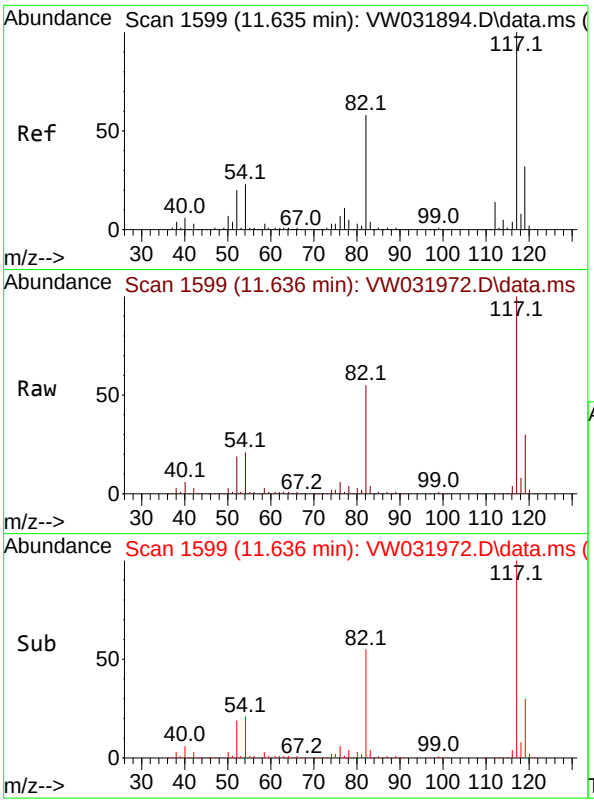


#62
4-Bromofluorobenzene
Concen: 44.015 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 95 Resp: 152294

Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	129.8
176	62.8	0.0	130.4



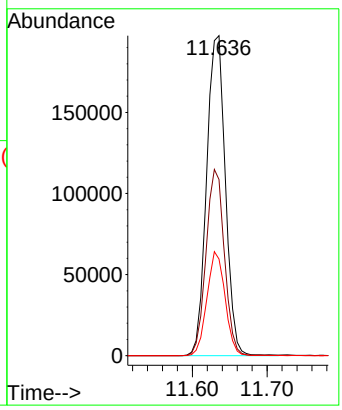


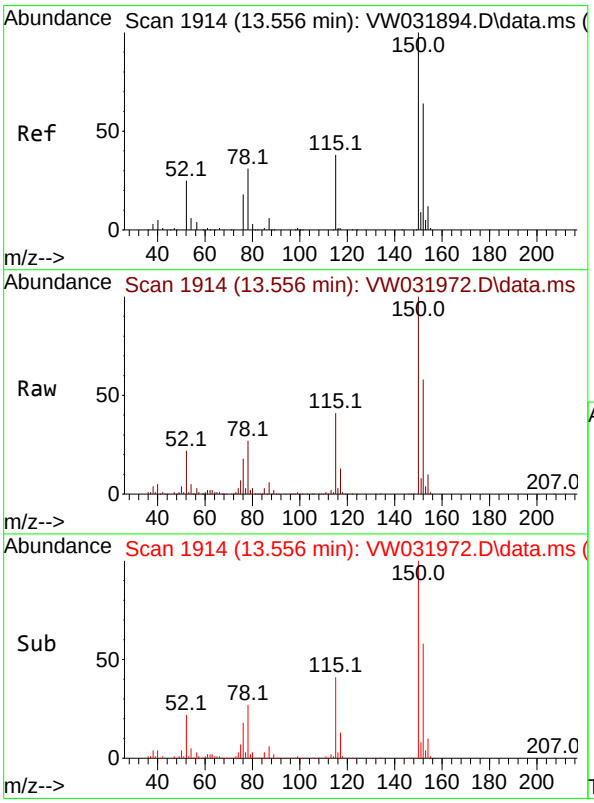
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:117 Resp: 344045

Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.5	69.7
119	30.2	25.8	38.6

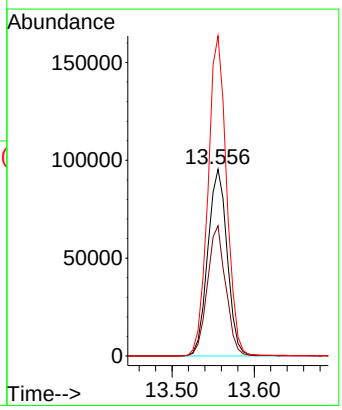




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion:152 Resp: 156295

Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.4	100.1
150	164.6	0.0	352.2



Raw Data: **VW031988.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031988.D	1	08/04/25 09:54	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VW031988.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031988.D	1	08/04/25 09:54	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VW031988.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBL01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031988.D	1	08/04/25 09:54	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		78 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	45.3		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	7.953				
540-36-3	1,4-Difluorobenzene	365000	8.849				
3114-55-4	Chlorobenzene-d5	335000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.556				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Time: Aug 05 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	168222	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	365101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	334575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128662	50.559	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.120%			
35) Dibromofluoromethane	7.898	113	119254	48.069	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.140%			
50) Toluene-d8	10.325	98	425728	45.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.680%			
62) 4-Bromofluorobenzene	12.617	95	149946	41.590	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 83.180%			

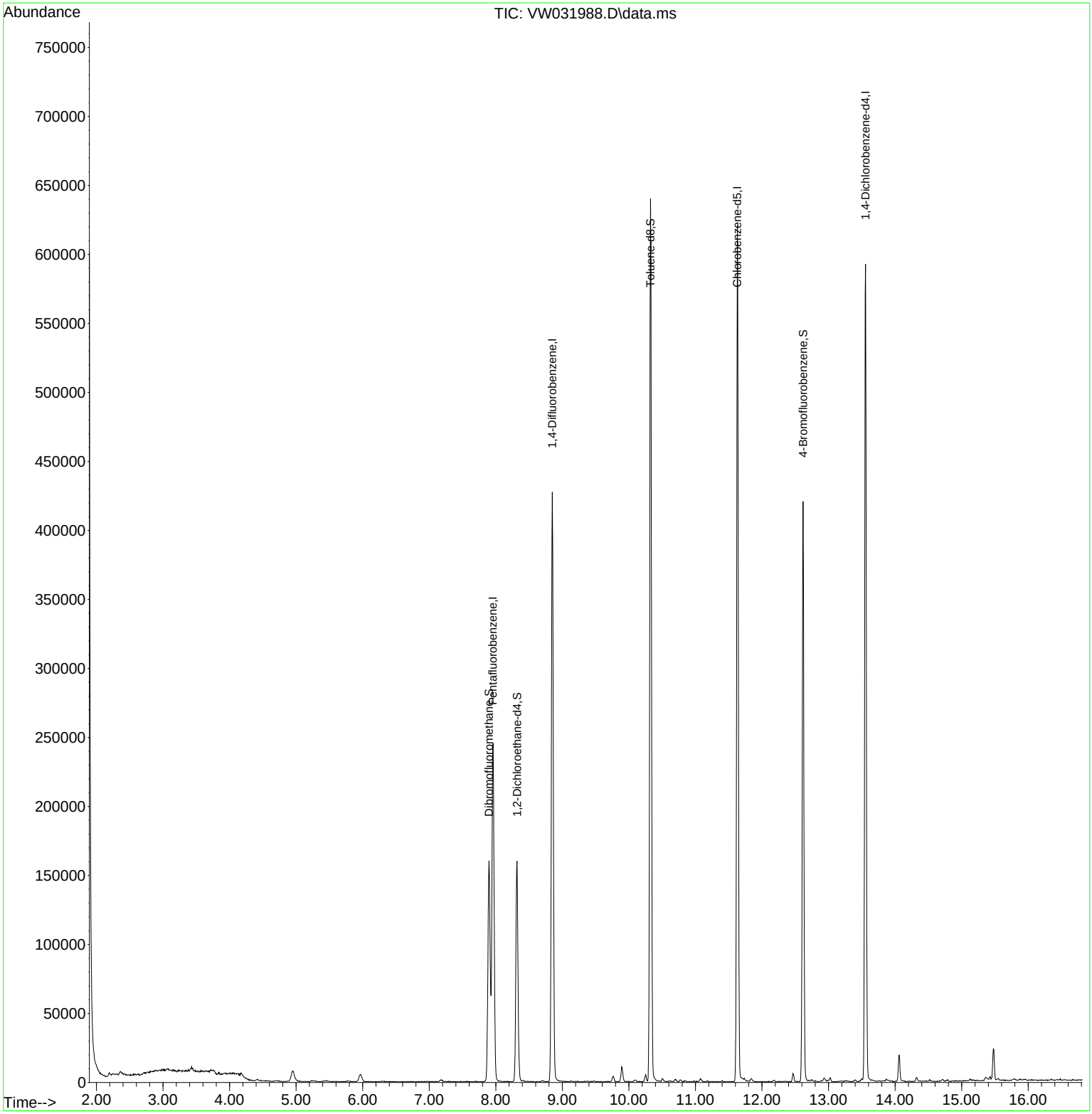
Target Compounds Qvalue

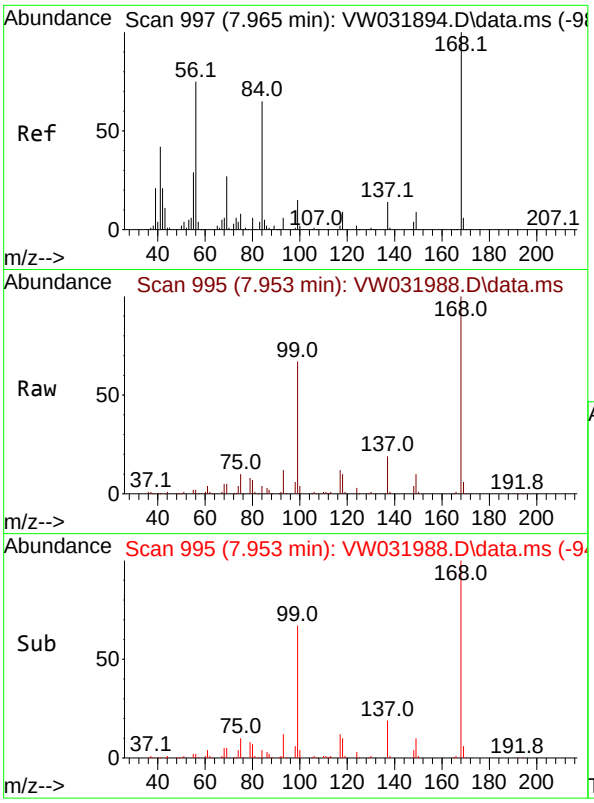
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031988.D
Acq On : 04 Aug 2025 09:54
Operator : SY/MD
Sample : VW0804SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Quant Time: Aug 05 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



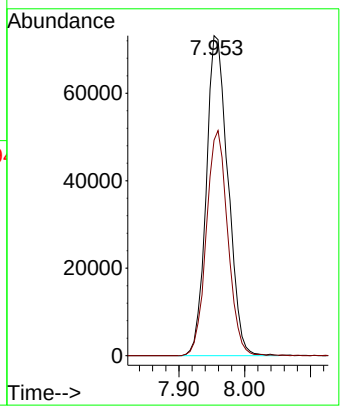


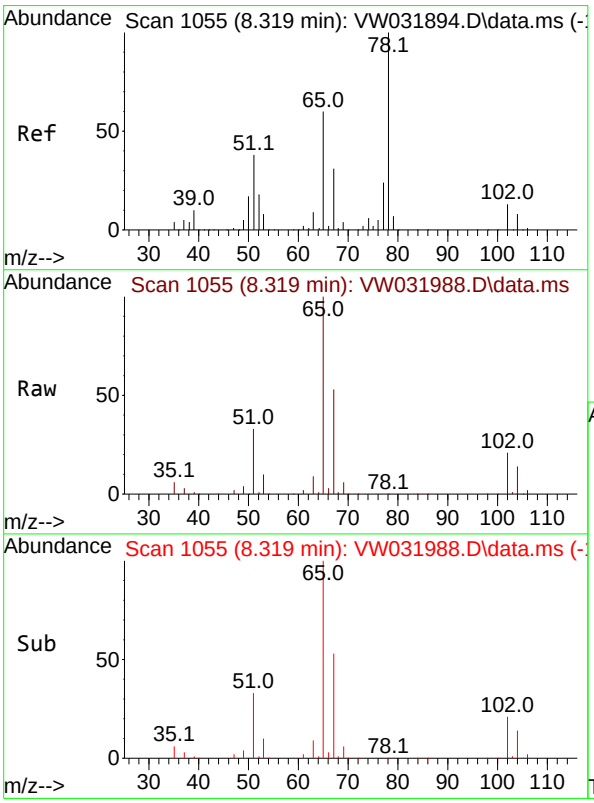
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:168 Resp: 168222

Ion	Ratio	Lower	Upper
168	100		
99	67.3	48.2	72.2

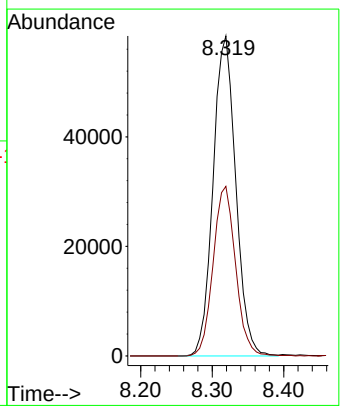


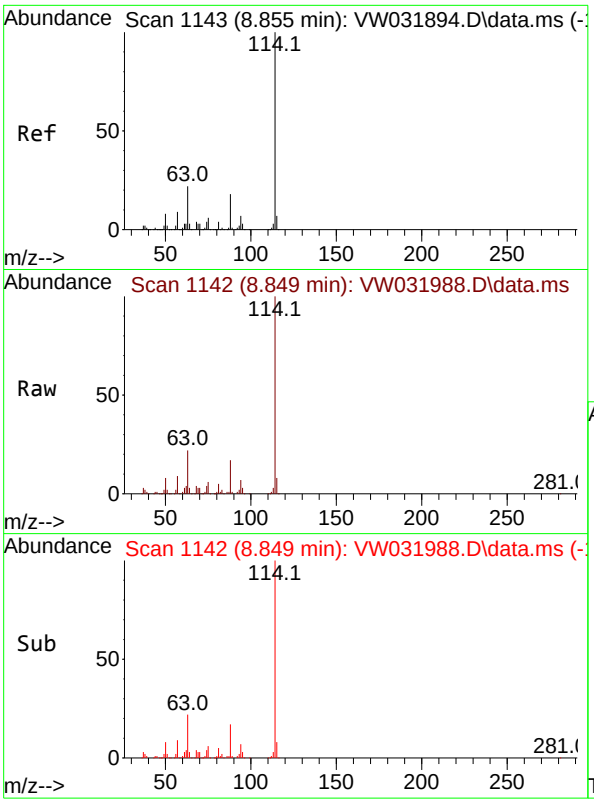


#33
1,2-Dichloroethane-d4
Concen: 50.559 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion: 65 Resp: 128662

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	101.4



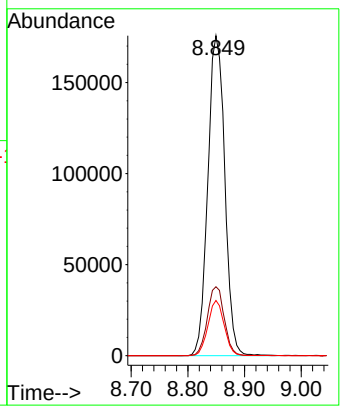


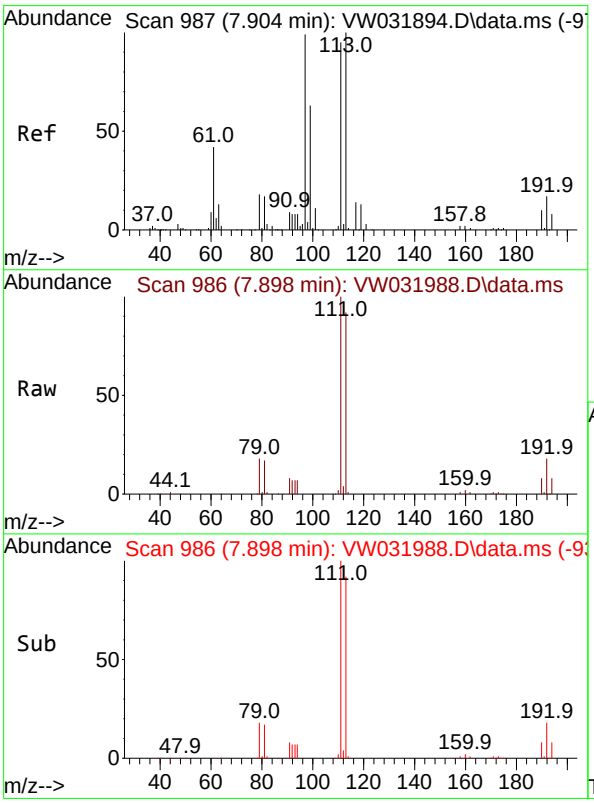
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:114 Resp: 365101

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.2
88	17.3	0.0	35.6

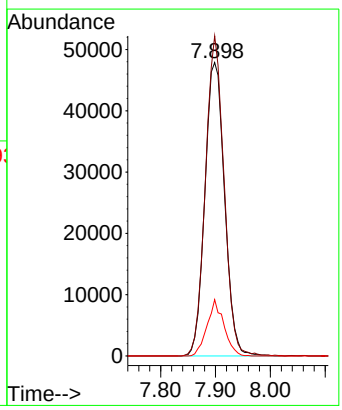


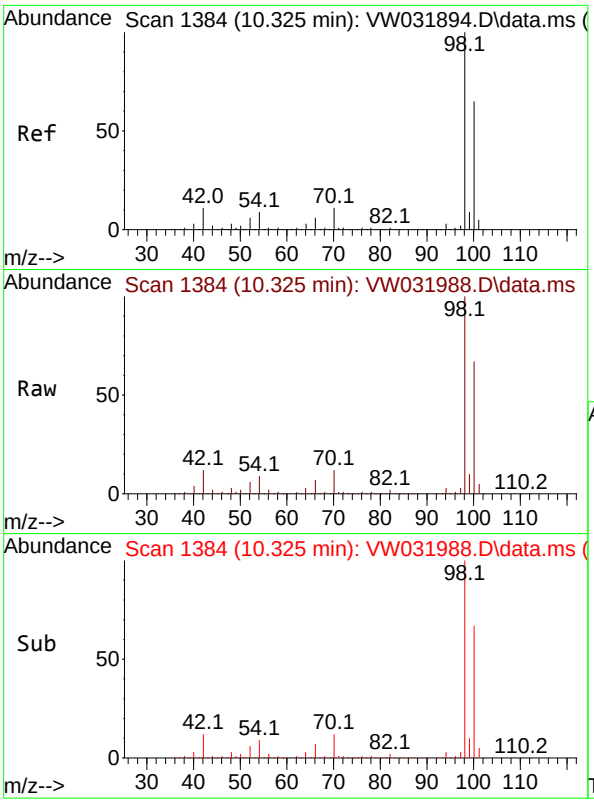


#35
Dibromofluoromethane
Concen: 48.069 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion:113 Resp: 119254

Ion	Ratio	Lower	Upper
113	100		
111	103.2	79.9	119.9
192	16.5	12.6	19.0



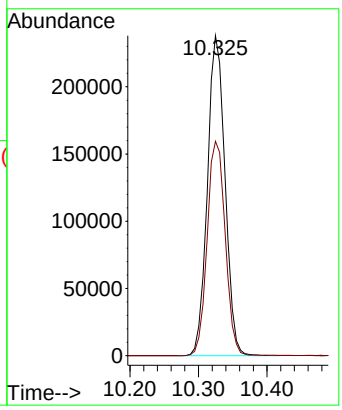


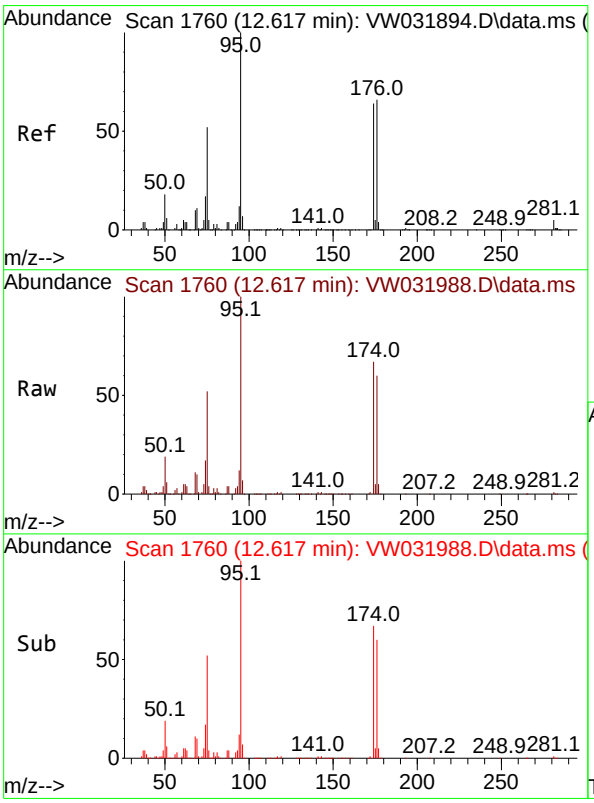
#50
Toluene-d8
Concen: 45.341 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion: 98 Resp: 425728

Ion	Ratio	Lower	Upper
98	100		
100	68.7	51.7	77.5

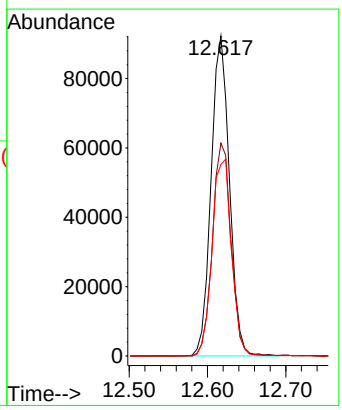


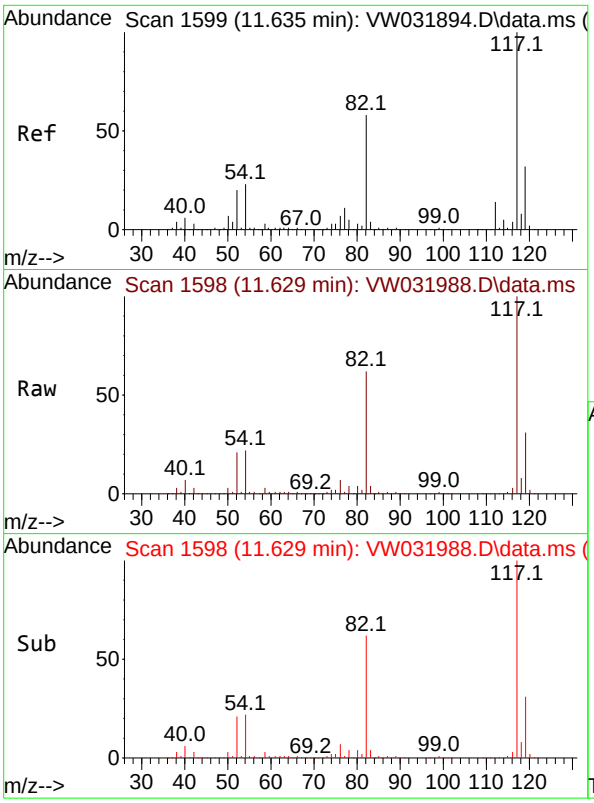


#62
4-Bromofluorobenzene
Concen: 41.590 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion: 95 Resp: 149946

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	129.8
176	65.2	0.0	130.4



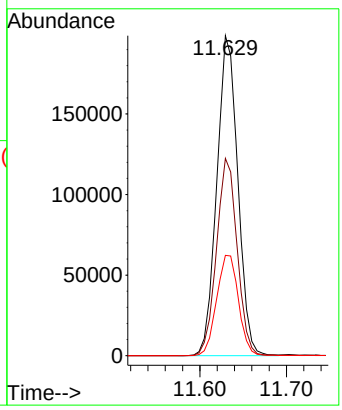


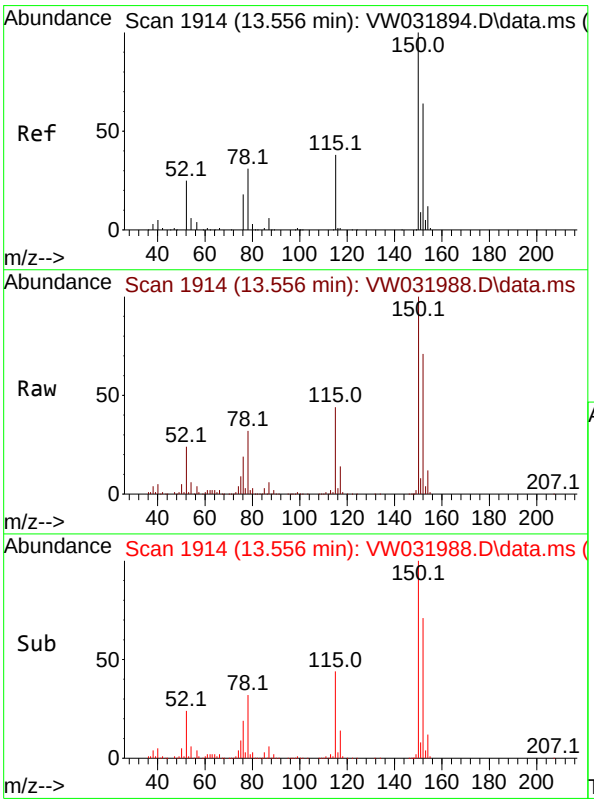
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:117 Resp: 334575

Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.5	69.7
119	31.3	25.8	38.6

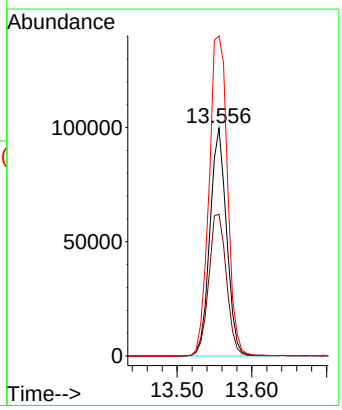




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031988.D
Acq: 04 Aug 2025 09:54

Tgt Ion:152 Resp: 154504

Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.4	100.1
150	155.3	0.0	352.2



Raw Data: **VW031973.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.017		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.11		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.015		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.11		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.11		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.017		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.019		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.018		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.019		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0036	0.013	0.025	mg/Kg

Raw Data: **VW031973.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.020		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.059		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.020		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.019		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.019		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.019		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.019		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.019		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.019		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VW031973.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.1		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	204000	7.959				
540-36-3	1,4-Difluorobenzene	389000	8.849				
3114-55-4	Chlorobenzene-d5	355000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.556				

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

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

Sample Results: **VW031973.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	204409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	355301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161977	52.383	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.760%			
35) Dibromofluoromethane	7.898	113	138929	52.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 105.100%			
50) Toluene-d8	10.325	98	510960	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.617	95	195687	50.937	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26226	17.263	ug/l	91
3) Chloromethane	2.253	50	38150	19.565	ug/l	99
4) Vinyl Chloride	2.399	62	46264	18.265	ug/l	94
5) Bromomethane	2.820	94	36788	19.723	ug/l	97
6) Chloroethane	2.966	64	33442	20.004	ug/l	96
7) Trichlorofluoromethane	3.302	101	39130	15.252	ug/l	96
8) Diethyl Ether	3.716	74	33556	19.580	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	48715	19.741	ug/l	96
10) Methyl Iodide	4.308	142	69558	18.853	ug/l	98
11) Tert butyl alcohol	5.216	59	20911	115.046	ug/l #	93
12) 1,1-Dichloroethene	4.076	96	53794	19.737	ug/l	93
13) Acrolein	3.924	56	15768	54.663	ug/l	97
14) Allyl chloride	4.698	41	79388	18.710	ug/l	98
15) Acrylonitrile	5.399	53	80852	105.526	ug/l	99
16) Acetone	4.161	43	81896	111.611	ug/l	95
17) Carbon Disulfide	4.417	76	133303	18.858	ug/l	100
18) Methyl Acetate	4.710	43	44863	22.192	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	94780	20.126	ug/l	99
20) Methylene Chloride	4.948	84	63884	17.313	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	57339	19.828	ug/l	98
22) Diisopropyl ether	6.338	45	172471	20.314	ug/l	97
23) Vinyl Acetate	6.283	43	554073	99.891	ug/l	98
24) 1,1-Dichloroethane	6.240	63	108517	20.529	ug/l	99
25) 2-Butanone	7.191	43	112066	111.625	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55144	18.426	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68734	20.217	ug/l	99
28) Bromochloromethane	7.527	49	44375	20.050	ug/l #	15
29) Tetrahydrofuran	7.551	42	69425	105.474	ug/l	99
30) Chloroform	7.691	83	117578	21.214	ug/l	97
31) Cyclohexane	7.965	56	87414	18.432	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83238	19.736	ug/l	98
36) 1,1-Dichloropropene	8.094	75	78401	19.312	ug/l	99
37) Ethyl Acetate	7.277	43	46676	20.154	ug/l	98
38) Carbon Tetrachloride	8.087	117	75591	19.401	ug/l	100
39) Methylcyclohexane	9.343	83	92733	18.151	ug/l	93
40) Benzene	8.331	78	241183	20.069	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	29220	21.077	ug/l		96
42) 1,2-Dichloroethane	8.411	62	79225	20.598	ug/l		99
43) Isopropyl Acetate	8.435	43	82562	19.692	ug/l		99
44) Trichloroethene	9.099	130	56255	19.693	ug/l		100
45) 1,2-Dichloropropane	9.374	63	59759	20.647	ug/l		96
46) Dibromomethane	9.465	93	36920	20.578	ug/l		98
47) Bromodichloromethane	9.648	83	89630	20.833	ug/l		99
48) Methyl methacrylate	9.441	41	39606	19.856	ug/l		97
49) 1,4-Dioxane	9.459	88	9890	552.435	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	242840	105.836	ug/l		99
52) Toluene	10.386	92	154706	20.025	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	79676	19.306	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	91609	19.438	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	49168	20.631	ug/l		94
56) Ethyl methacrylate	10.648	69	66980	19.900	ug/l		98
57) 1,3-Dichloropropane	10.934	76	87231	20.776	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	171564	99.235	ug/l		97
59) 2-Hexanone	10.971	43	168636	105.734	ug/l		98
60) Dibromochloromethane	11.130	129	56909	20.481	ug/l		98
61) 1,2-Dibromoethane	11.239	107	49593	21.060	ug/l		97
64) Tetrachloroethene	10.861	164	47641	20.337	ug/l		83
65) Chlorobenzene	11.660	112	169215	19.459	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	55290	20.510	ug/l		96
67) Ethyl Benzene	11.727	91	289325	18.937	ug/l		99
68) m/p-Xylenes	11.837	106	227948	39.631	ug/l		99
69) o-Xylene	12.166	106	106885	19.636	ug/l		100
70) Styrene	12.178	104	184711	19.931	ug/l		98
71) Bromoform	12.349	173	31240	21.189	ug/l	#	99
73) Isopropylbenzene	12.465	105	268400	18.237	ug/l		99
74) N-amyl acetate	12.270	43	73747	18.535	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.709	83	64210	20.554	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	46702m	19.942	ug/l		
77) Bromobenzene	12.745	156	64000	20.098	ug/l		92
78) n-propylbenzene	12.800	91	338914	18.750	ug/l		99
79) 2-Chlorotoluene	12.891	91	205568	19.048	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	229932	18.628	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	18112	17.856	ug/l		92
82) 4-Chlorotoluene	12.983	91	216472	19.120	ug/l		98
83) tert-Butylbenzene	13.202	119	195715	18.615	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239764	19.191	ug/l		99
85) sec-Butylbenzene	13.379	105	292934	18.553	ug/l		100
86) p-Isopropyltoluene	13.495	119	246860	18.915	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	134477	20.288	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	127388	19.618	ug/l		98
89) n-Butylbenzene	13.818	91	238599	18.637	ug/l		99
90) Hexachloroethane	14.086	117	43282	19.179	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	118631	20.194	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11068	19.611	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	66569	18.790	ug/l		95
94) Hexachlorobutadiene	15.232	225	31530	18.782	ug/l		99
95) Naphthalene	15.361	128	163926	18.820	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	61654	19.207	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

Sample Results: **VW031973.D**

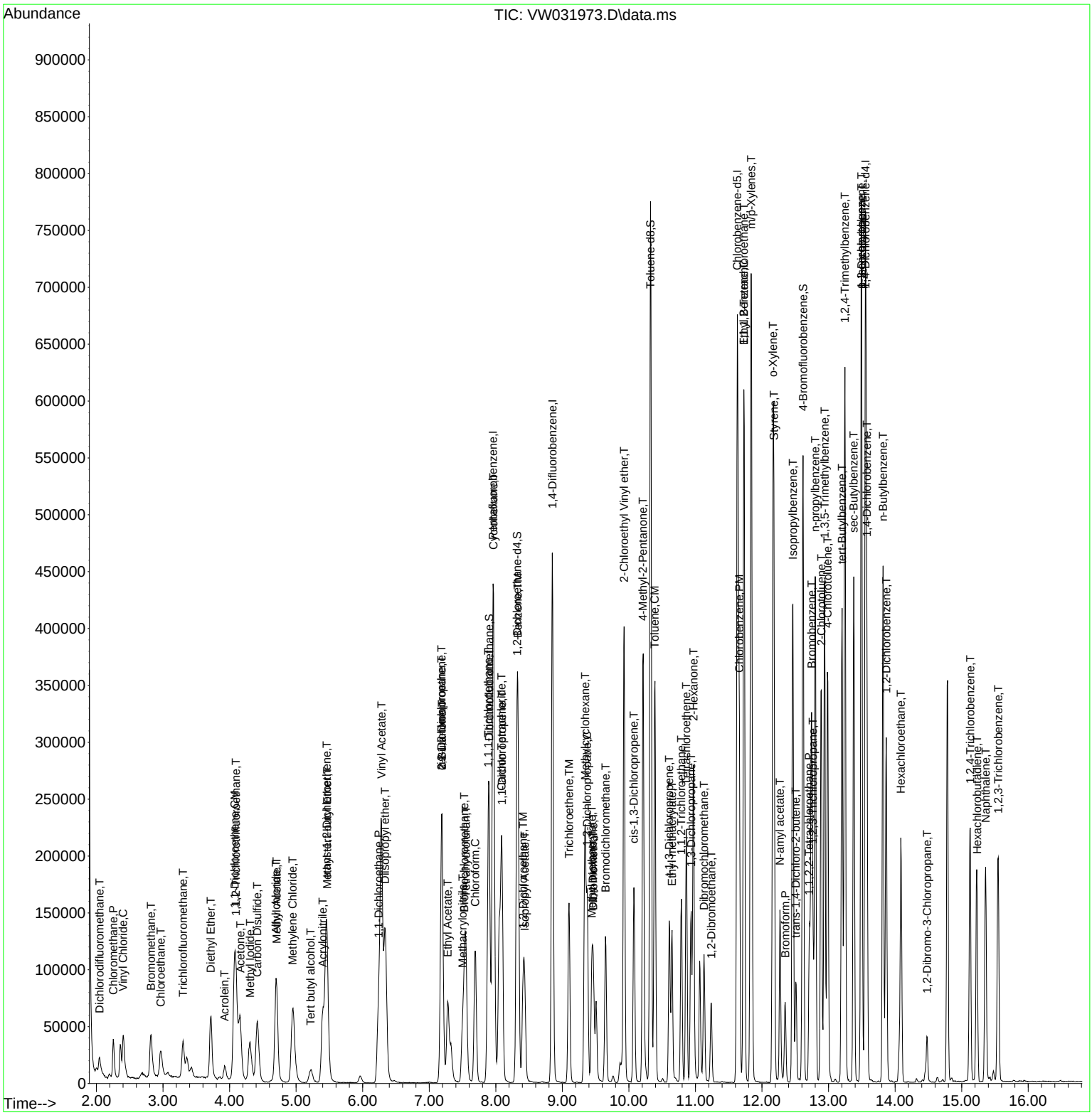
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Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

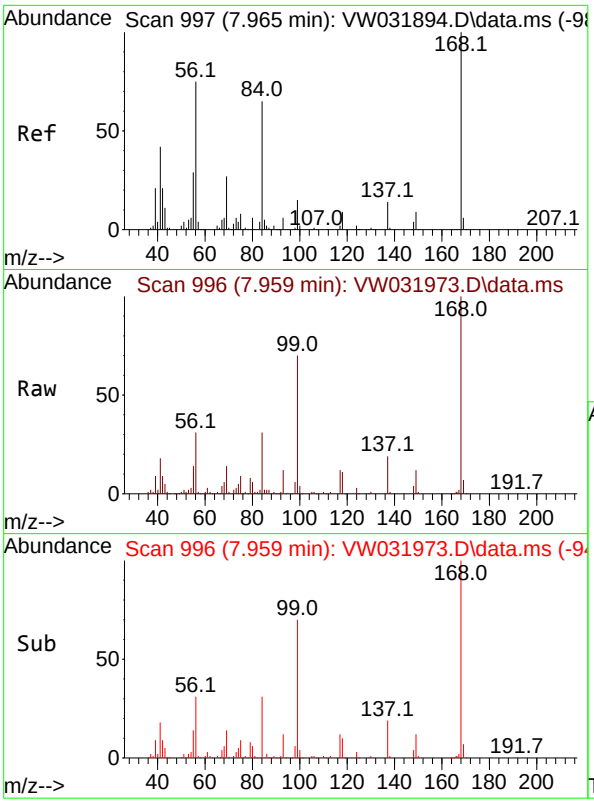
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Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

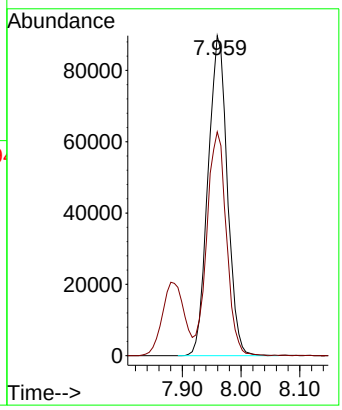
Tgt Ion:168 Resp: 20440

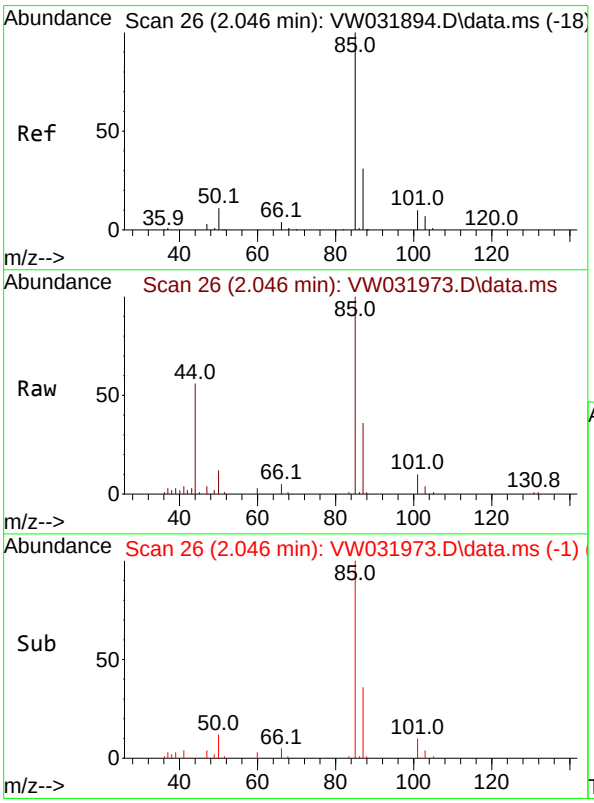
Ion	Ratio	Lower	Upper
168	100		
99	69.9	48.2	72.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

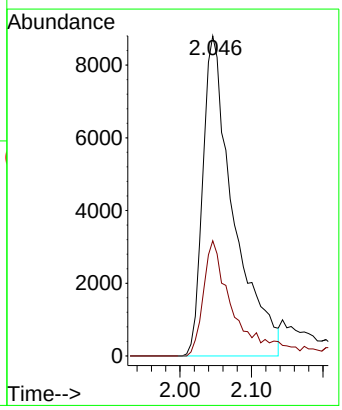


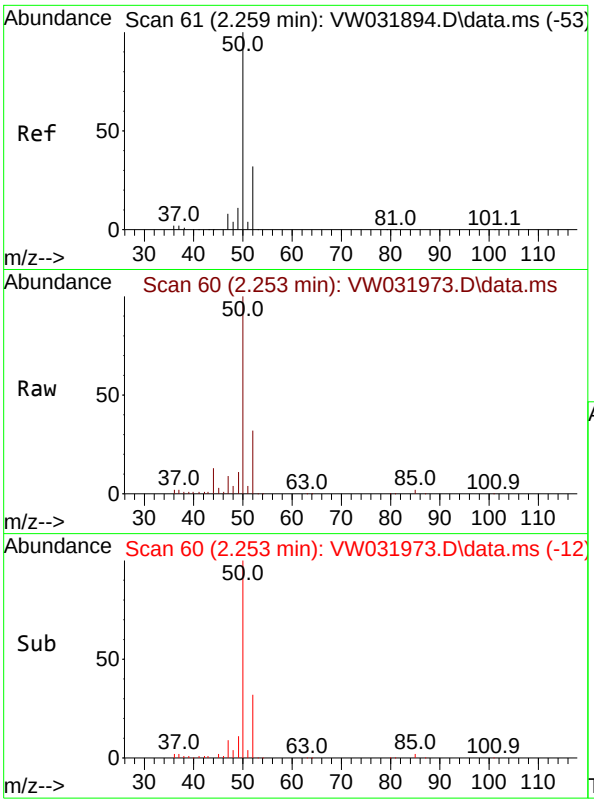


#2
Dichlorodifluoromethane
Concen: 17.263 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 85 Resp: 26226

Ion	Ratio	Lower	Upper
85	100		
87	36.0	15.5	46.5

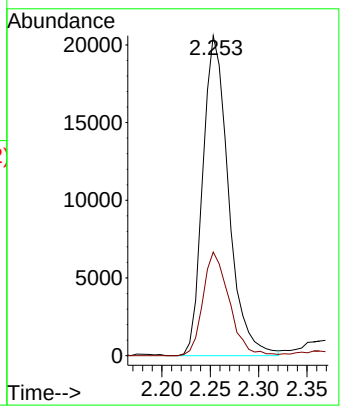




#3
Chloromethane
Concen: 19.565 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 50 Resp: 3815

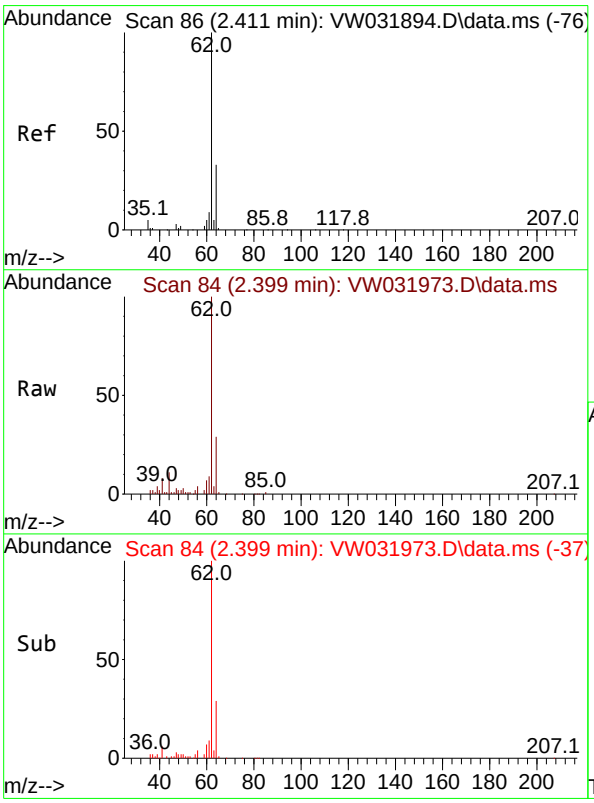
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

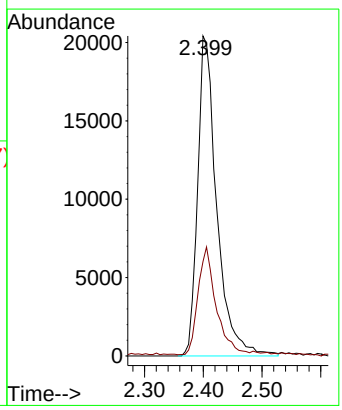
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

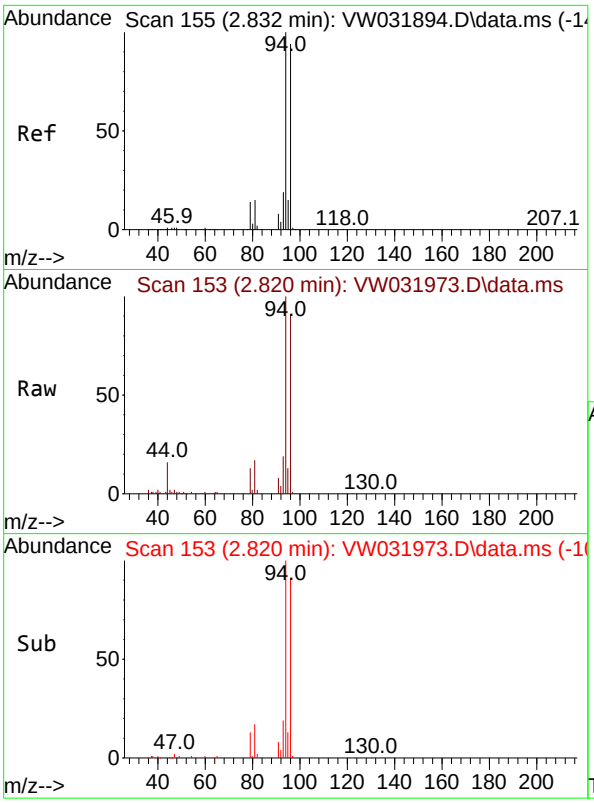


#4
Vinyl Chloride
Concen: 18.265 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 62 Resp: 46264

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.2	39.2





#5
Bromomethane
Concen: 19.723 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

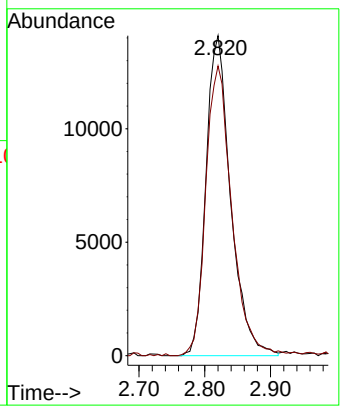
Tgt Ion: 94 Resp: 3678

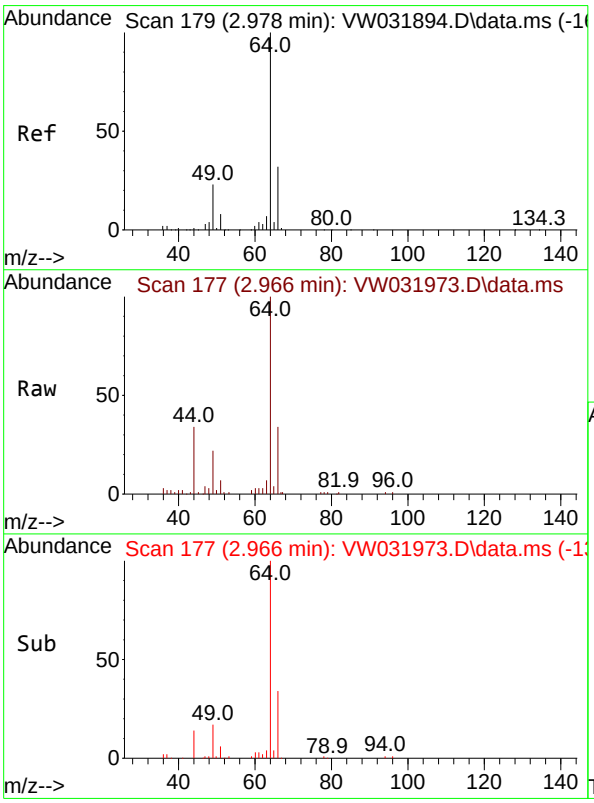
Ion	Ratio	Lower	Upper
94	100		
96	90.6	75.0	112.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

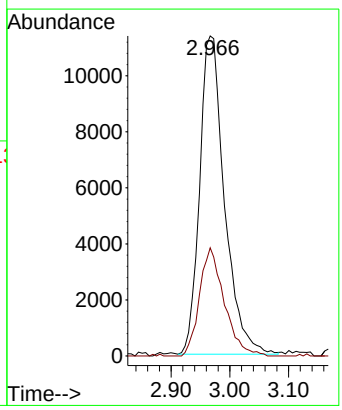


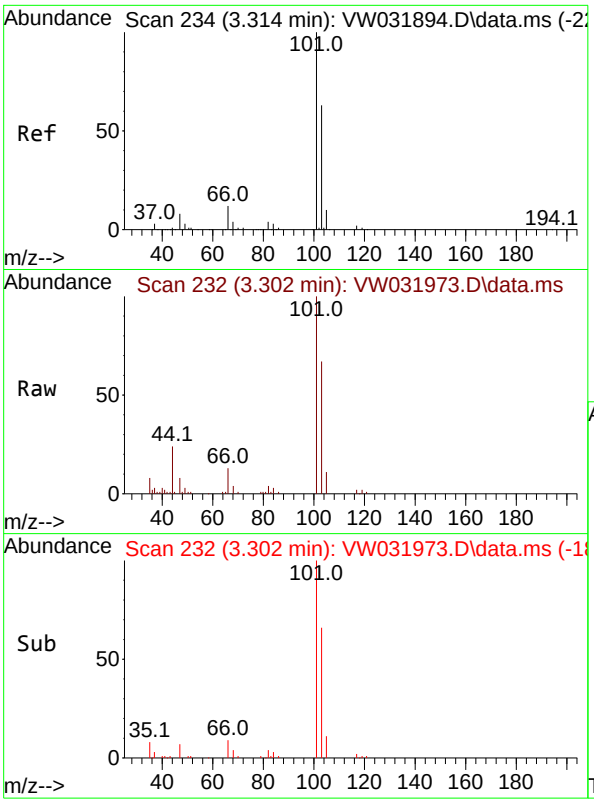


#6
Chloroethane
Concen: 20.004 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 64 Resp: 33442

Ion	Ratio	Lower	Upper
64	100		
66	34.0	25.6	38.4





#7
Trichlorofluoromethane
Concen: 15.252 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

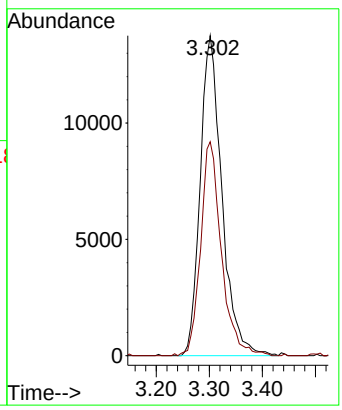
Tgt Ion:101 Resp: 3913

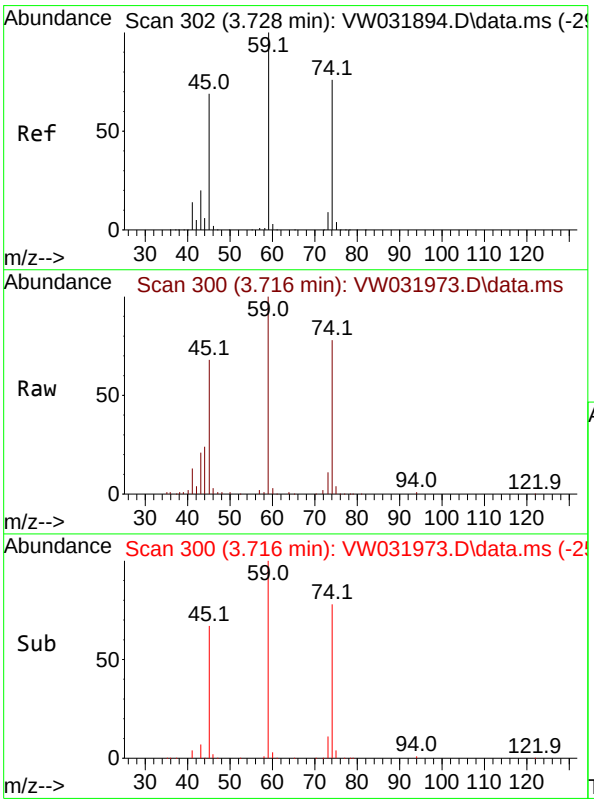
Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.7	76.1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

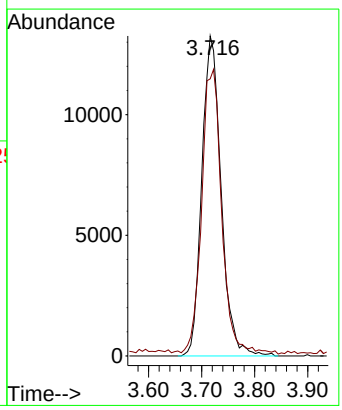


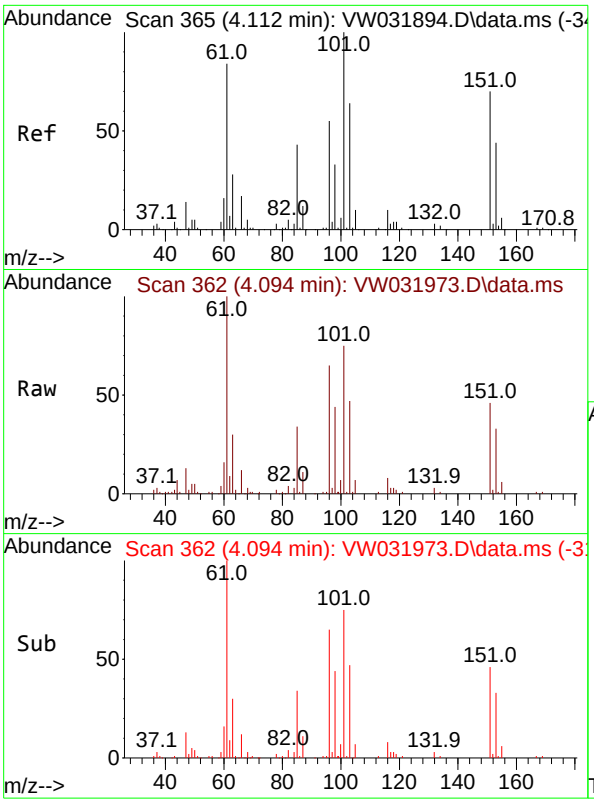


#8
Diethyl Ether
Concen: 19.580 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 74 Resp: 33556

Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.741 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

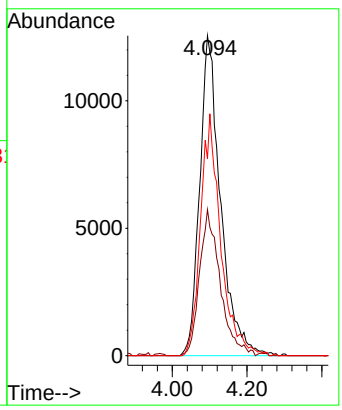
Tgt Ion:101 Resp: 4871

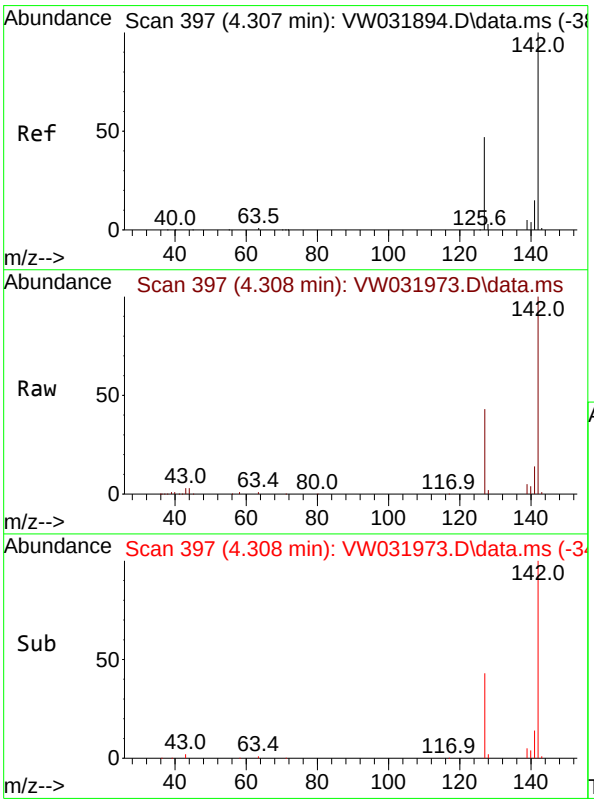
Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	72.7	54.6	81.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

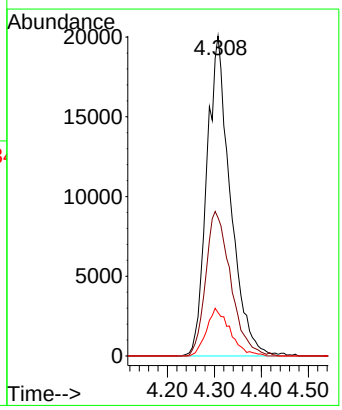


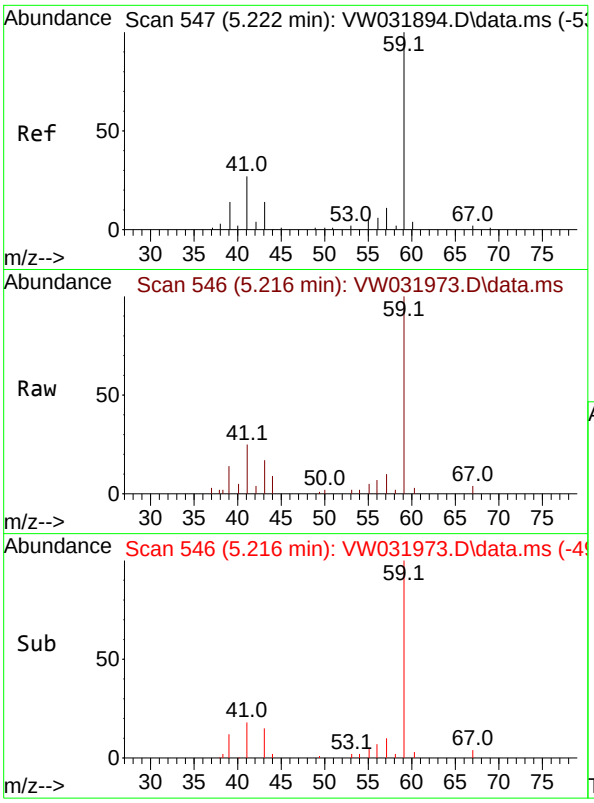


#10
Methyl Iodide
Concen: 18.853 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:142 Resp: 69558

Ion	Ratio	Lower	Upper
142	100		
127	48.2	37.4	56.2
141	15.0	11.9	17.9





#11
Tert butyl alcohol
Concen: 115.046 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

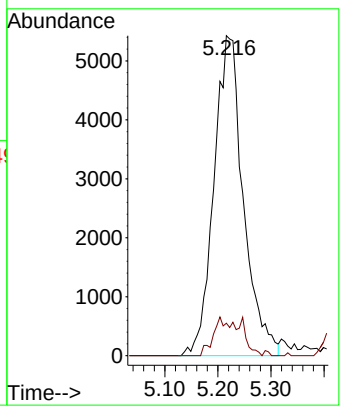
Tgt Ion: 59 Resp: 2091

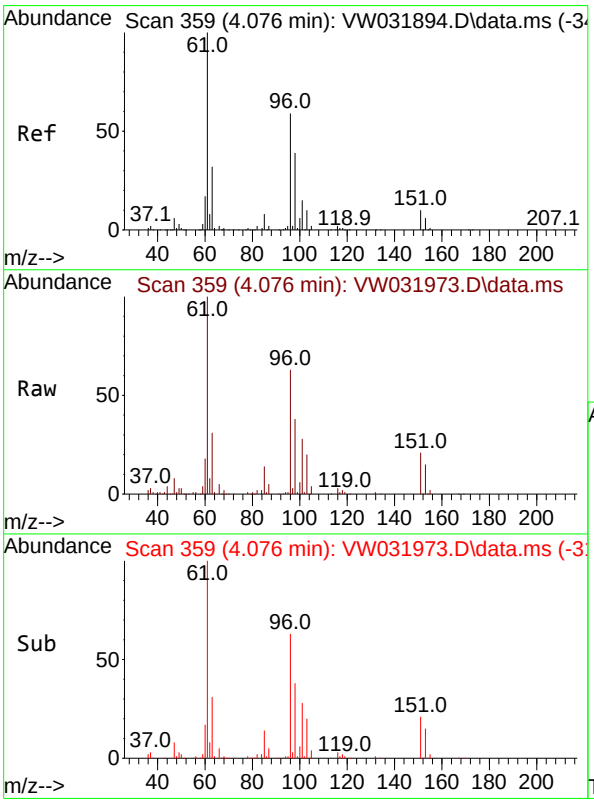
Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.6	12.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

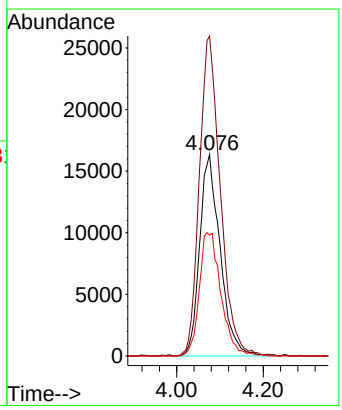


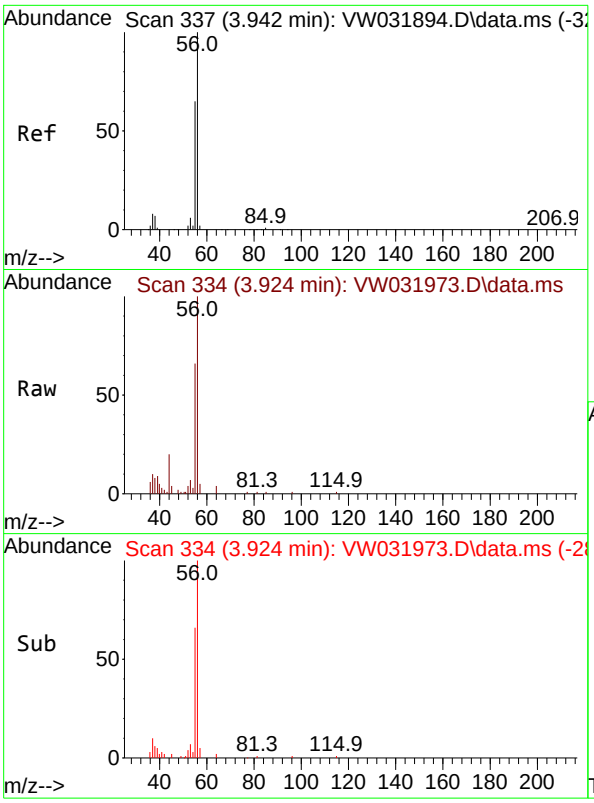


#12
1,1-Dichloroethene
Concen: 19.737 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 96 Resp: 53794

Ion	Ratio	Lower	Upper
96	100		
61	158.8	135.0	202.6
98	59.9	52.3	78.5

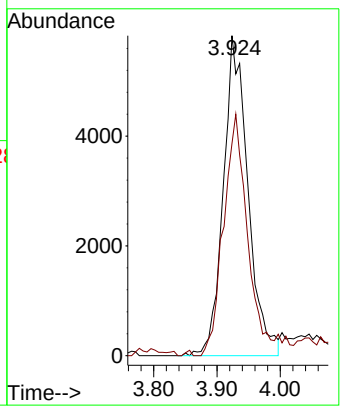




#13
Acrolein
Concen: 54.663 ug/l
RT: 3.924 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 56 Resp: 1576

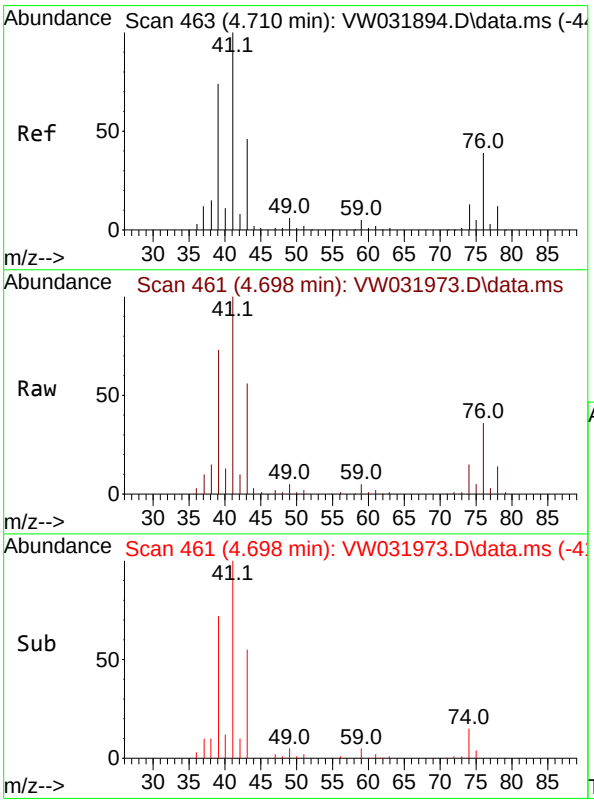
Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.7	85.1



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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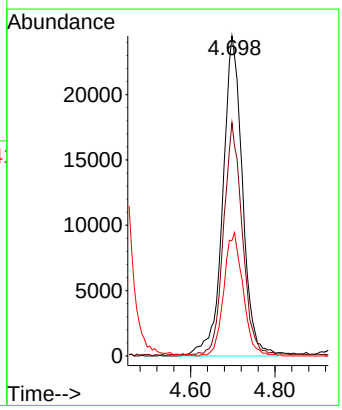
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

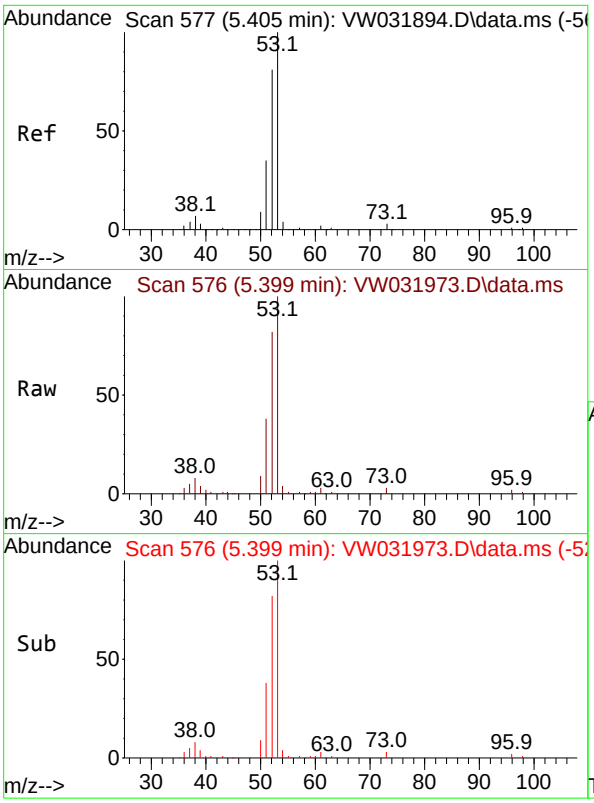


#14
Allyl chloride
Concen: 18.710 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 41 Resp: 79388

Ion	Ratio	Lower	Upper
41	100		
39	68.7	56.6	85.0
76	37.6	30.1	45.1

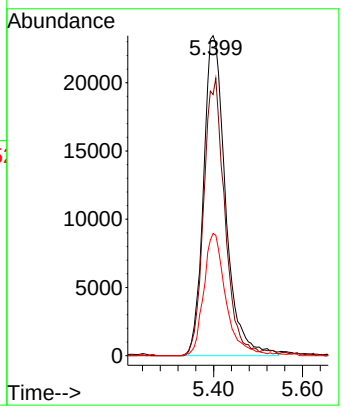




#15
Acrylonitrile
Concen: 105.526 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 53 Resp: 8085

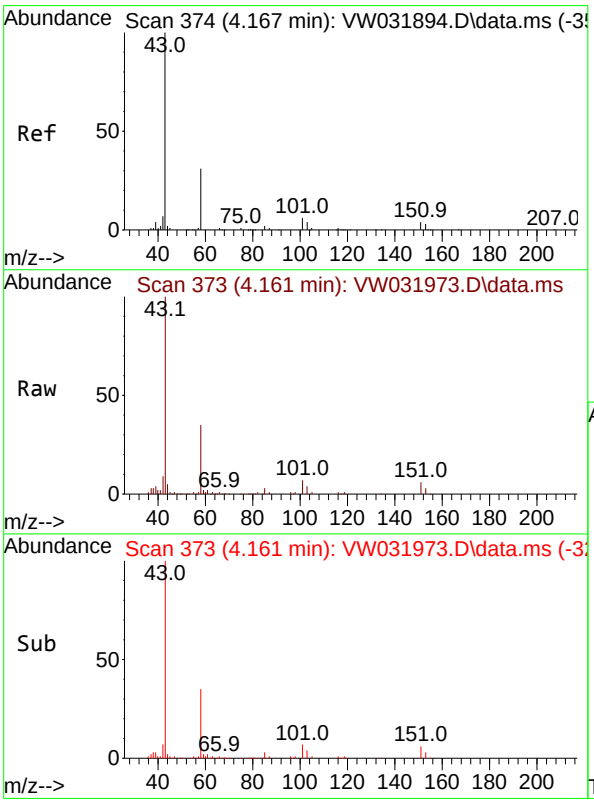
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	38.3	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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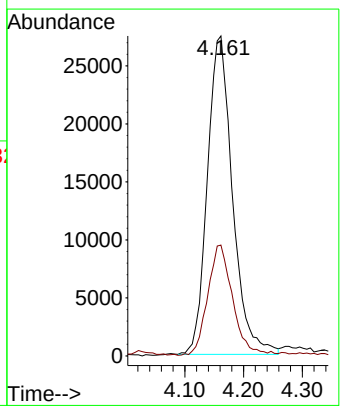
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

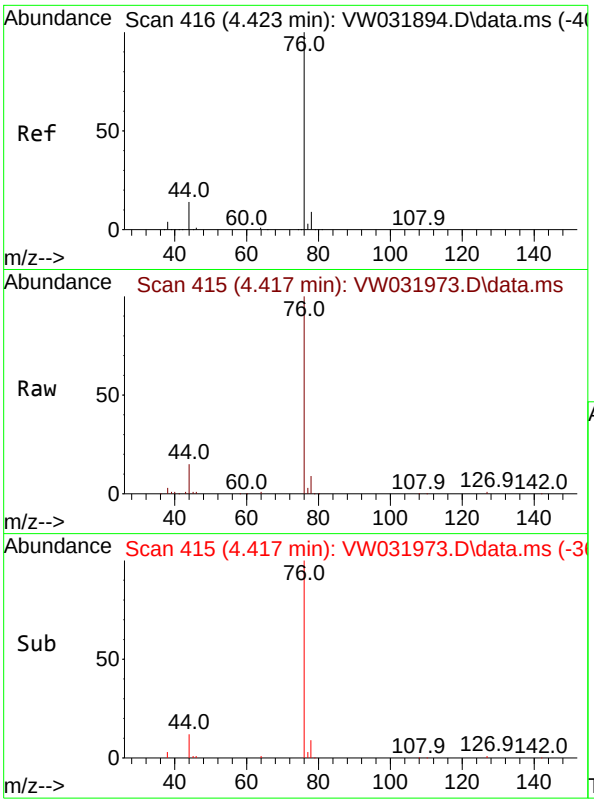


#16
Acetone
Concen: 111.611 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 81896

Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.5	38.3





#17
Carbon Disulfide
Concen: 18.858 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

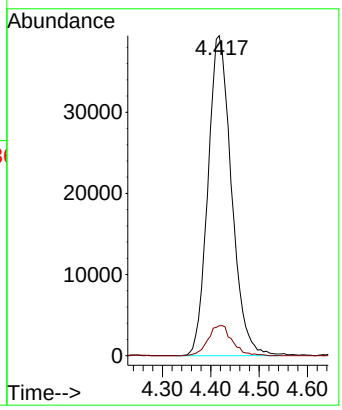
Tgt Ion: 76 Resp: 13330

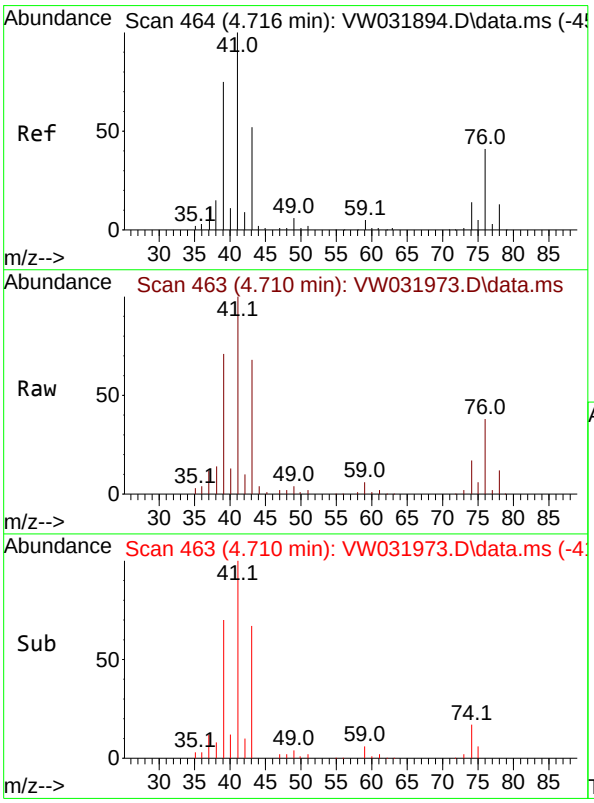
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

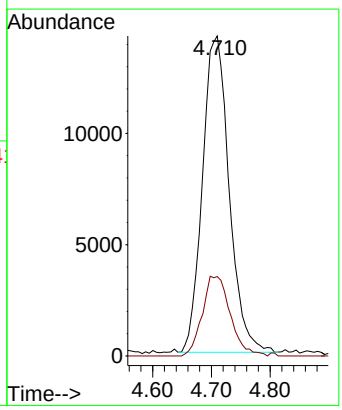


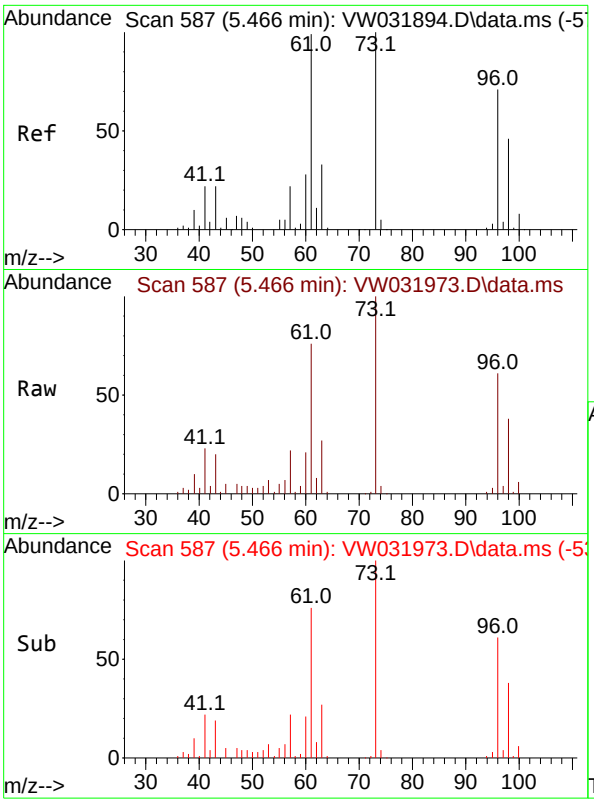


#18
Methyl Acetate
Concen: 22.192 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 44863

Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.6	31.0

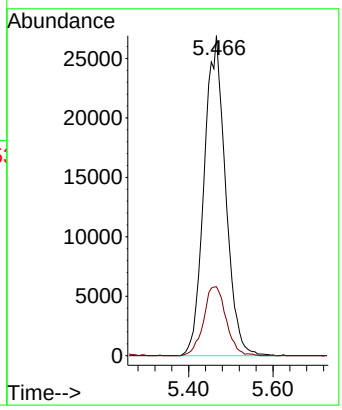




#19
Methyl tert-butyl Ether
Concen: 20.126 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 73 Resp: 9478

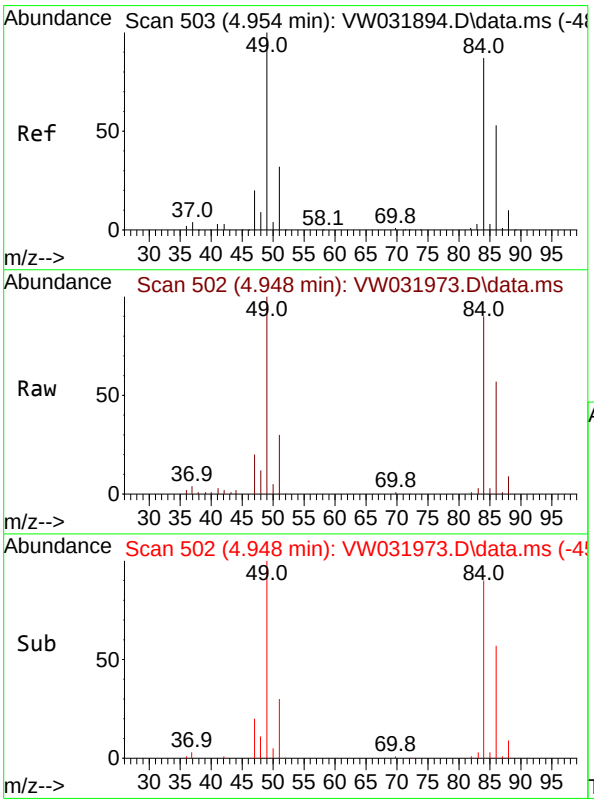
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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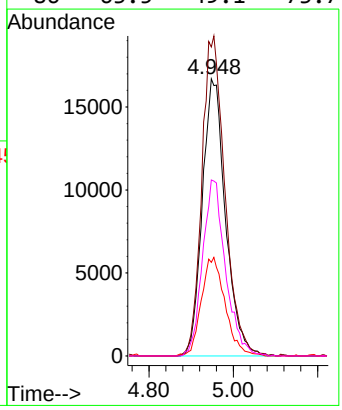
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

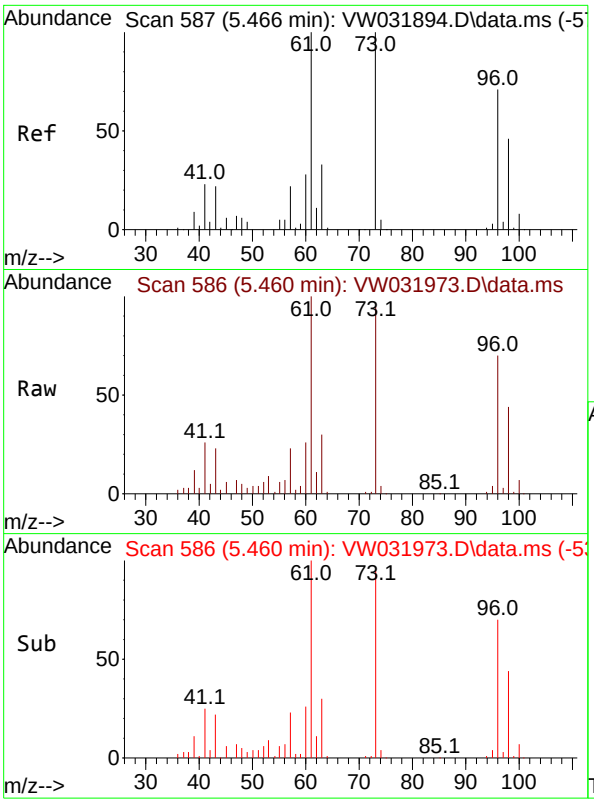


#20
Methylene Chloride
Concen: 17.313 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 84 Resp: 63884

Ion	Ratio	Lower	Upper
84	100		
49	111.5	91.9	137.9
51	33.8	29.0	43.6
86	63.5	49.1	73.7

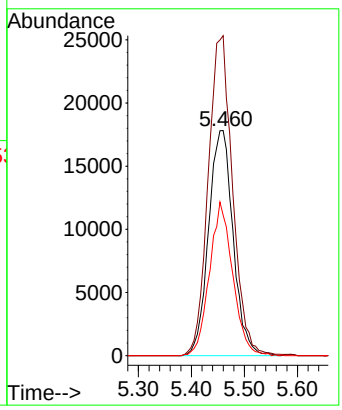




#21
trans-1,2-Dichloroethene
Concen: 19.828 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 96 Resp: 5733

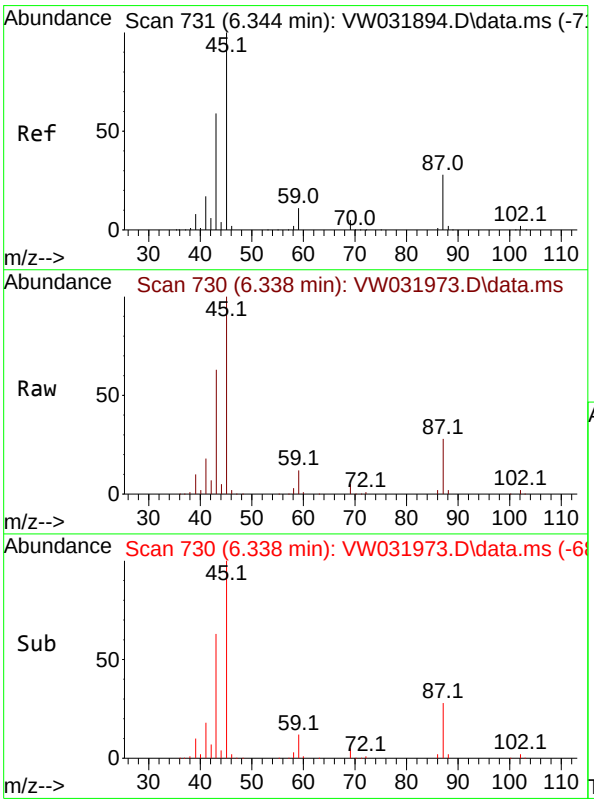
Ion	Ratio	Lower	Upper
96	100		
61	142.2	112.8	169.2
98	62.4	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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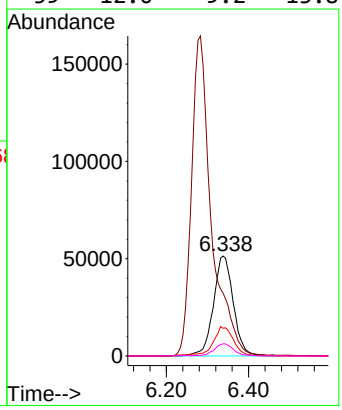
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

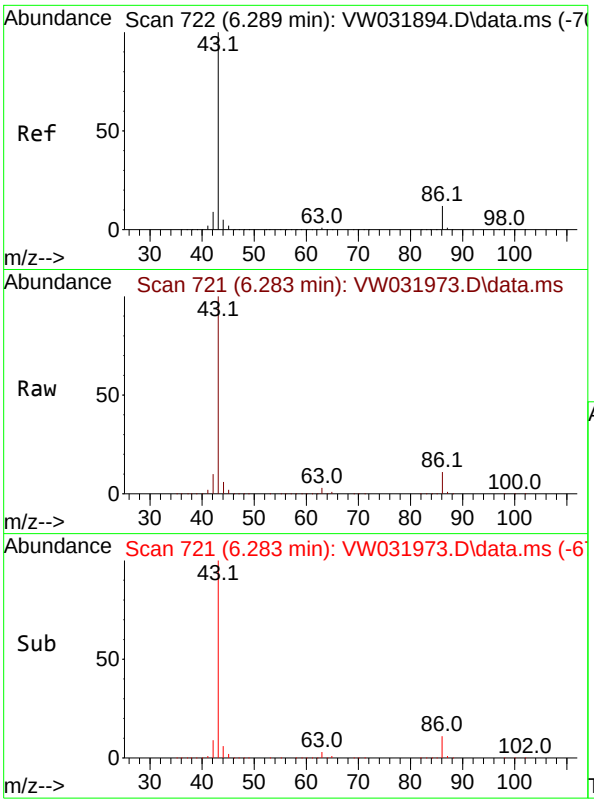


#22
Diisopropyl ether
Concen: 20.314 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 45 Resp: 172471

Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.0	70.6
87	27.7	22.8	34.2
59	12.0	9.2	13.8





#23
Vinyl Acetate
Concen: 99.891 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

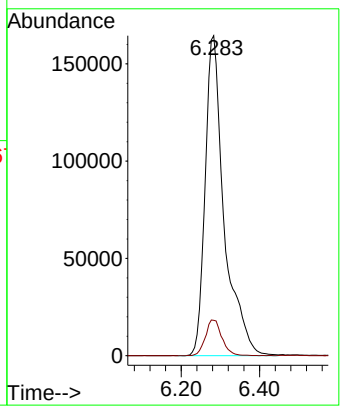
Tgt Ion: 43 Resp: 55407

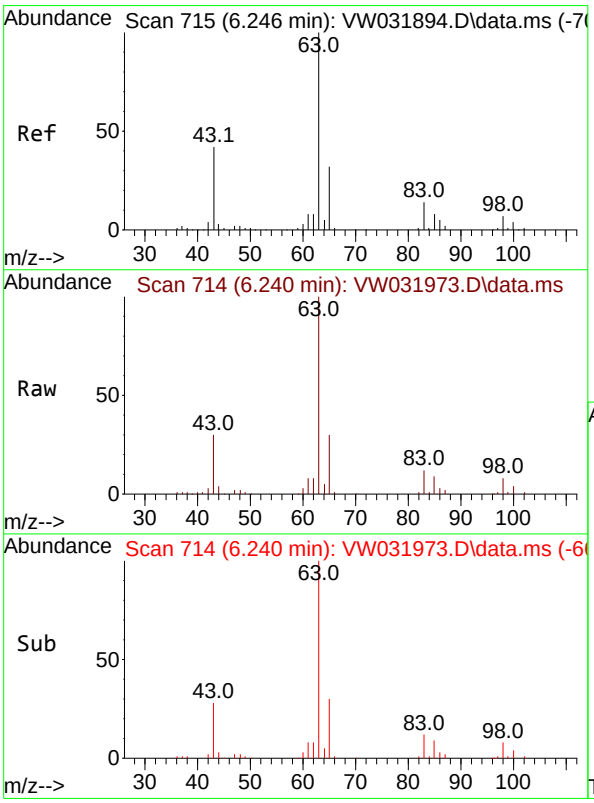
Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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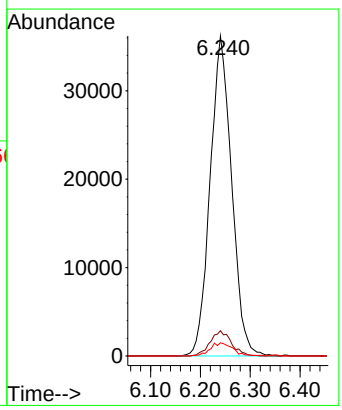


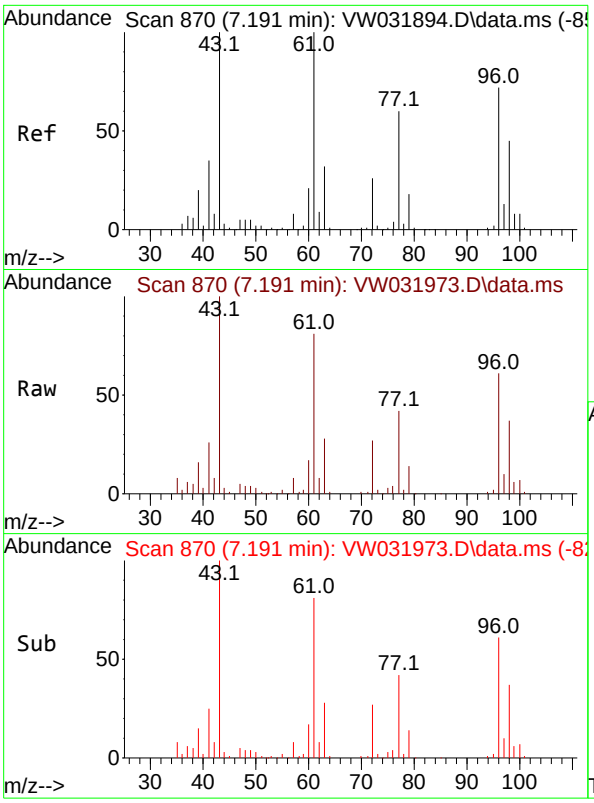


#24
1,1-Dichloroethane
Concen: 20.529 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 63 Resp: 108517

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.9
100	4.1	2.2	6.6





#25
2-Butanone
Concen: 111.625 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

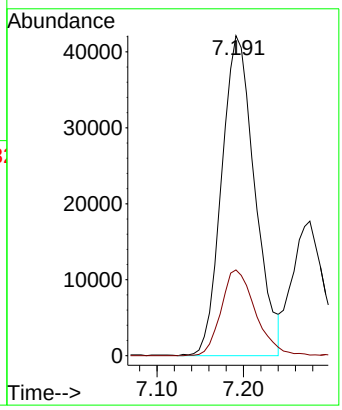
Tgt Ion: 43 Resp: 11206

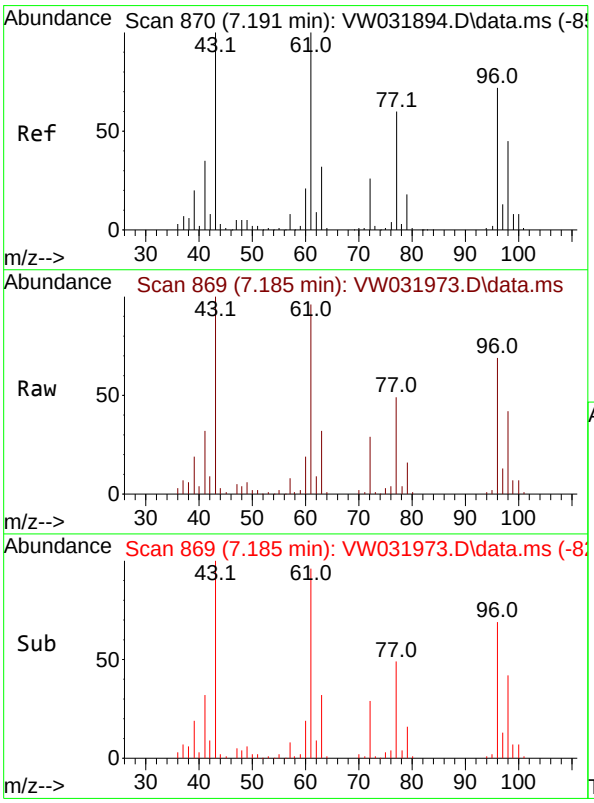
Ion	Ratio	Lower	Upper
43	100		
72	26.8	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
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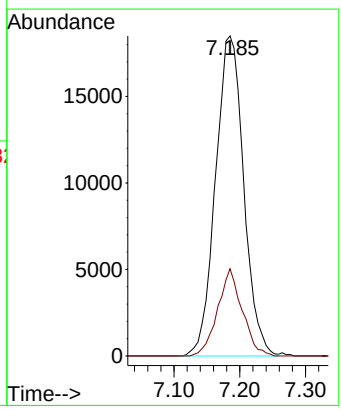


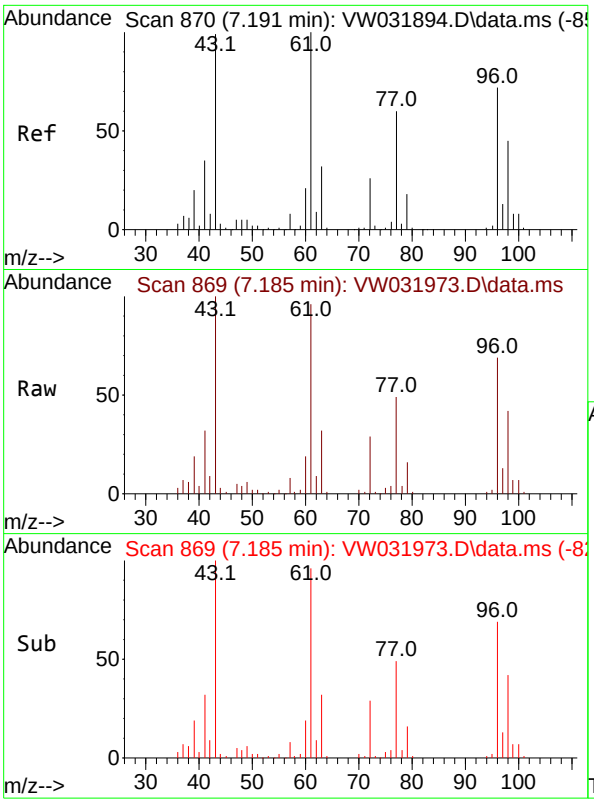


#26
2,2-Dichloropropane
Concen: 18.426 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 77 Resp: 55144

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 20.217 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

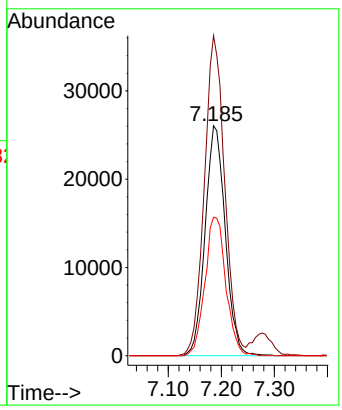
Tgt Ion: 96 Resp: 6873

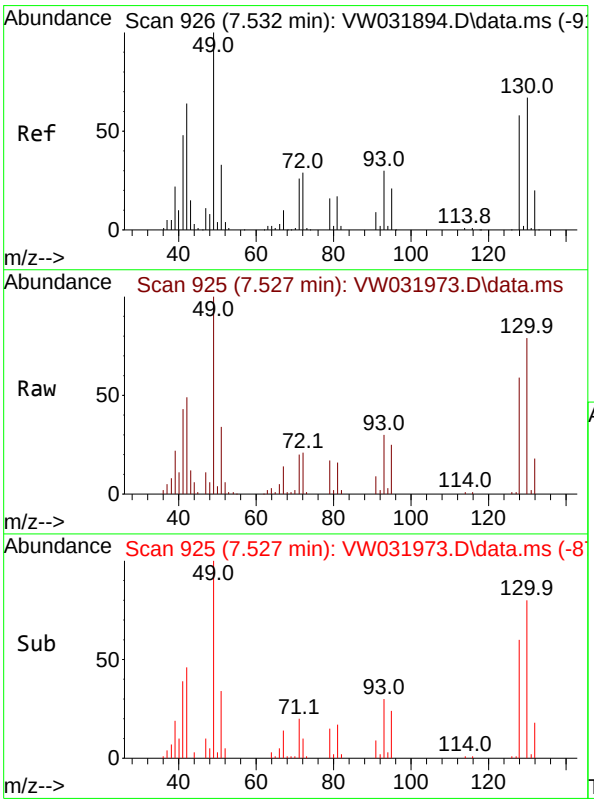
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	280.2
98	62.5	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

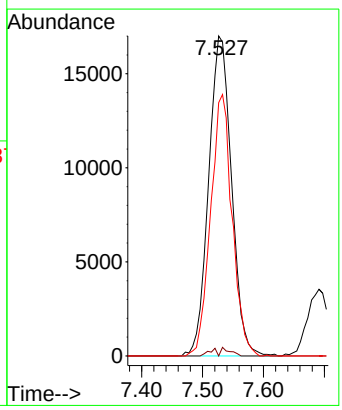


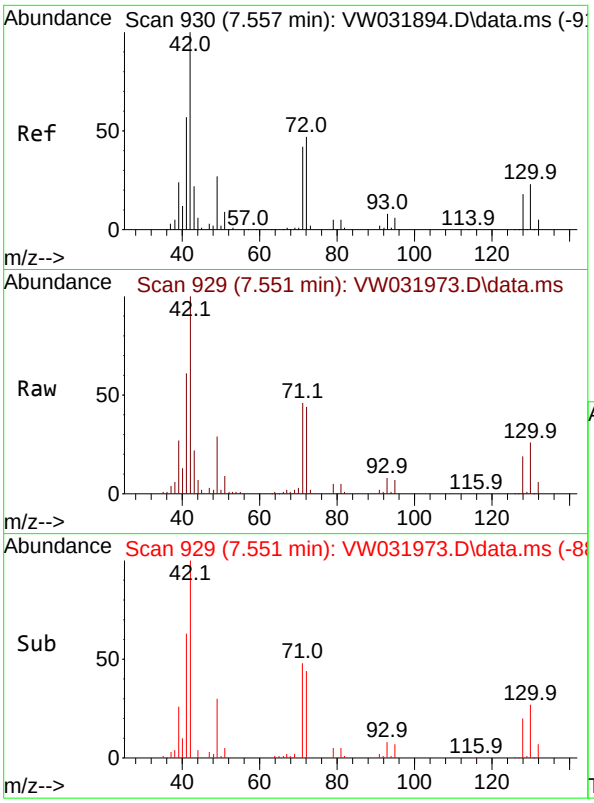


#28
Bromochloromethane
Concen: 20.050 ug/l
RT: 7.527 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 49 Resp: 44375

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	0.0	59.0	88.4#





#29
Tetrahydrofuran
Concen: 105.474 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

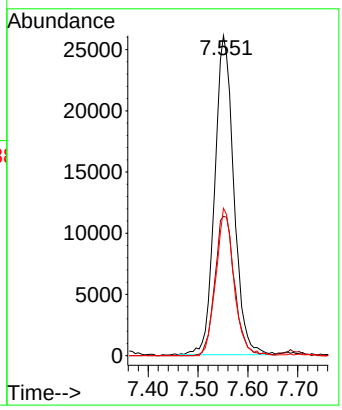
Tgt Ion: 42 Resp: 6942

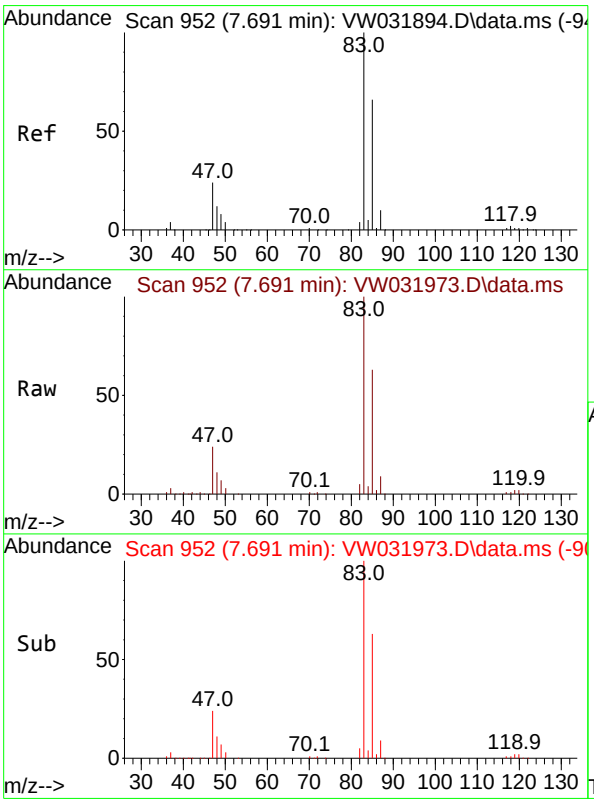
Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	43.7	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

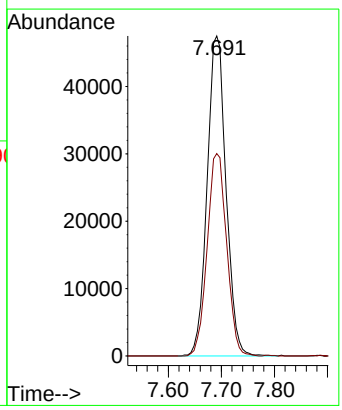


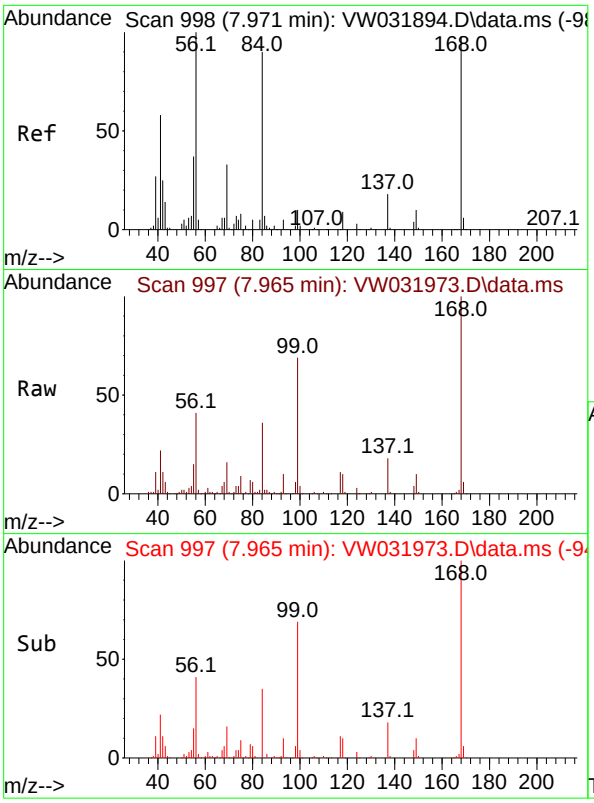


#30
Chloroform
Concen: 21.214 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 83 Resp: 117578

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8





#31
Cyclohexane
Concen: 18.432 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

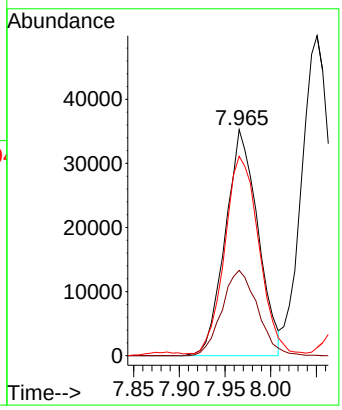
Tgt Ion: 56 Resp: 8741

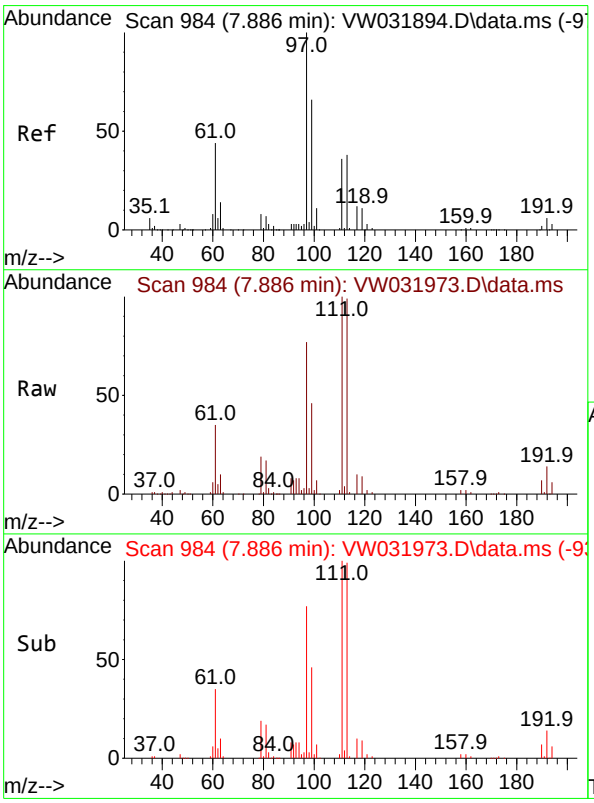
Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.7	40.1
84	86.9	71.8	107.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

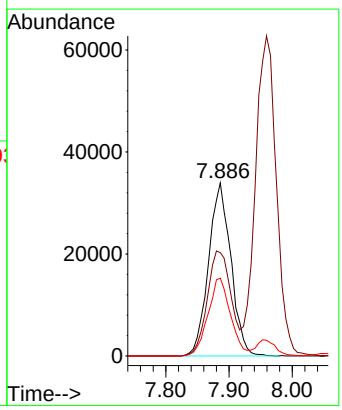


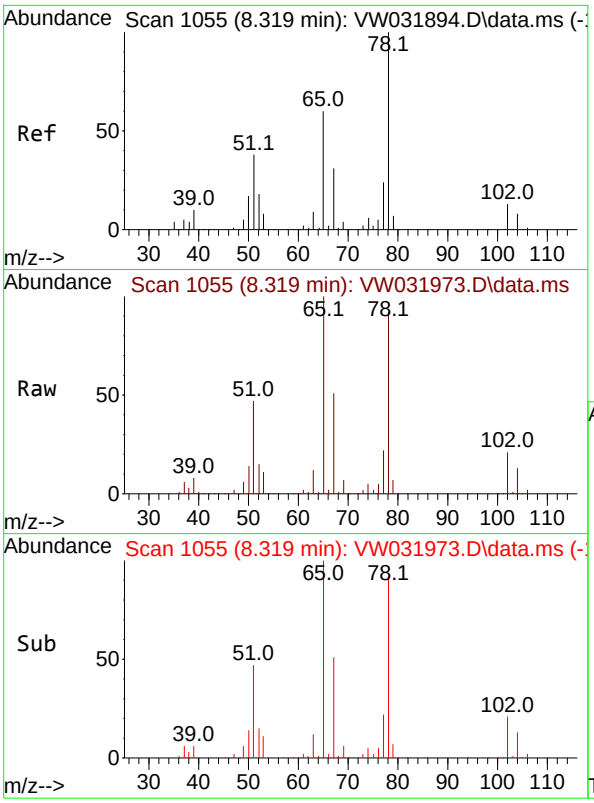


#32
1,1,1-Trichloroethane
Concen: 19.736 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 97 Resp: 83238

Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	45.1	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 52.383 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

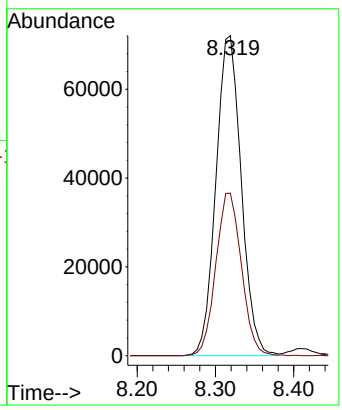
Tgt Ion: 65 Resp: 16197

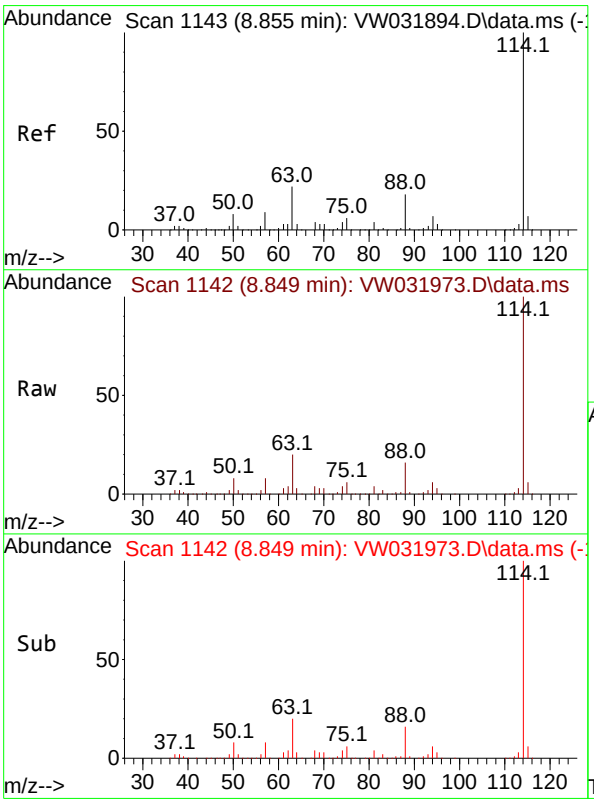
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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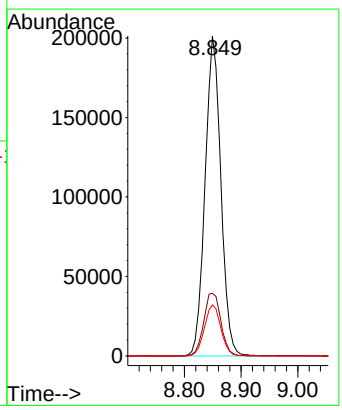


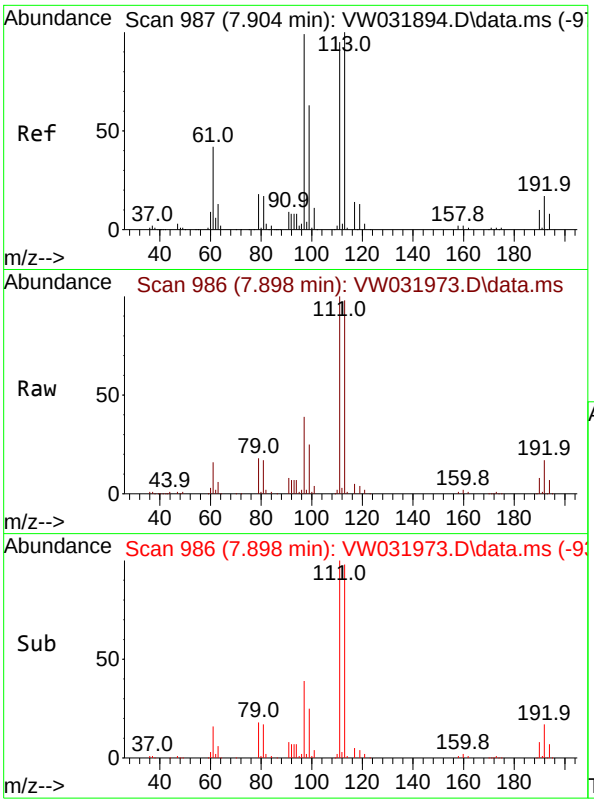


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:114 Resp: 389040

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.2
88	15.9	0.0	35.6

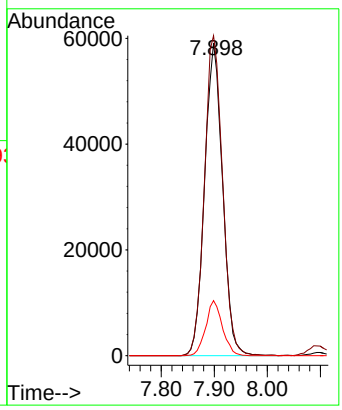




#35
Dibromofluoromethane
Concen: 52.553 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:113 Resp: 13892

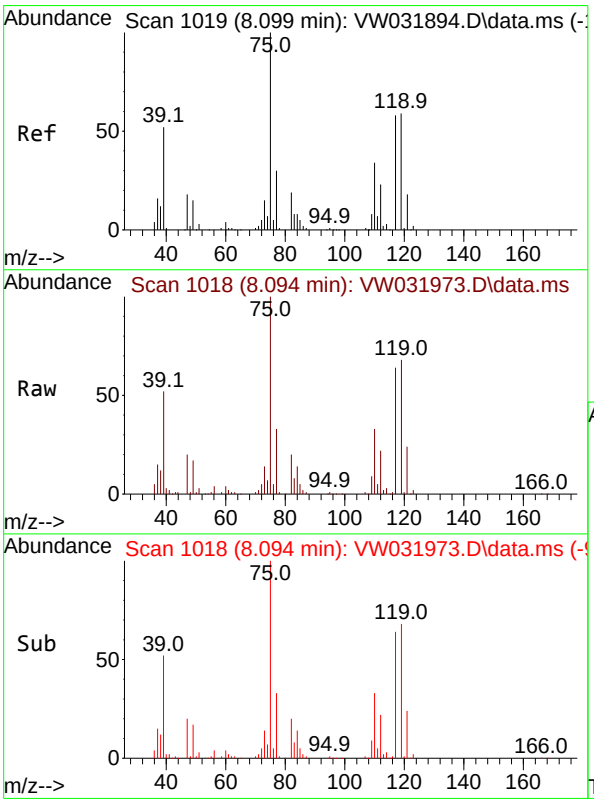
Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.9	119.9
192	16.4	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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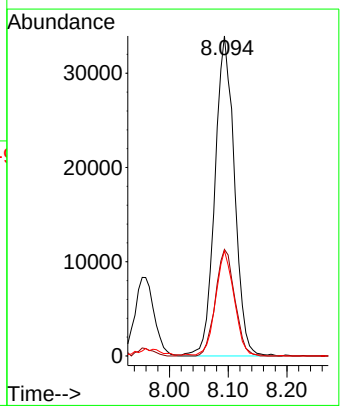
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

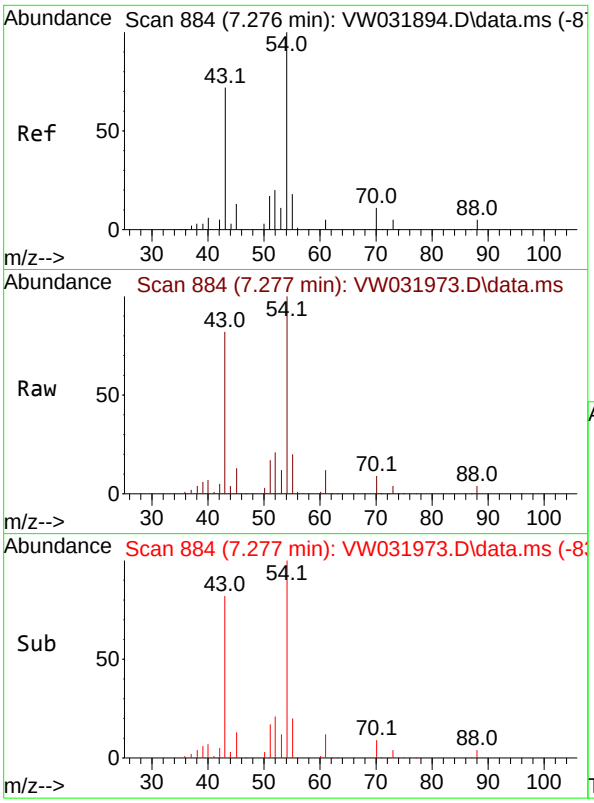


#36
1,1-Dichloropropene
Concen: 19.312 ug/l
RT: 8.094 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 78401

Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.0	50.9
77	31.2	25.1	37.7





#37
Ethyl Acetate
Concen: 20.154 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

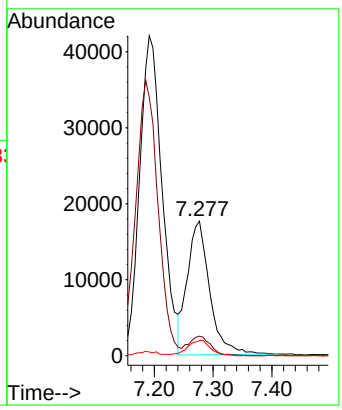
Tgt Ion: 43 Resp: 4667

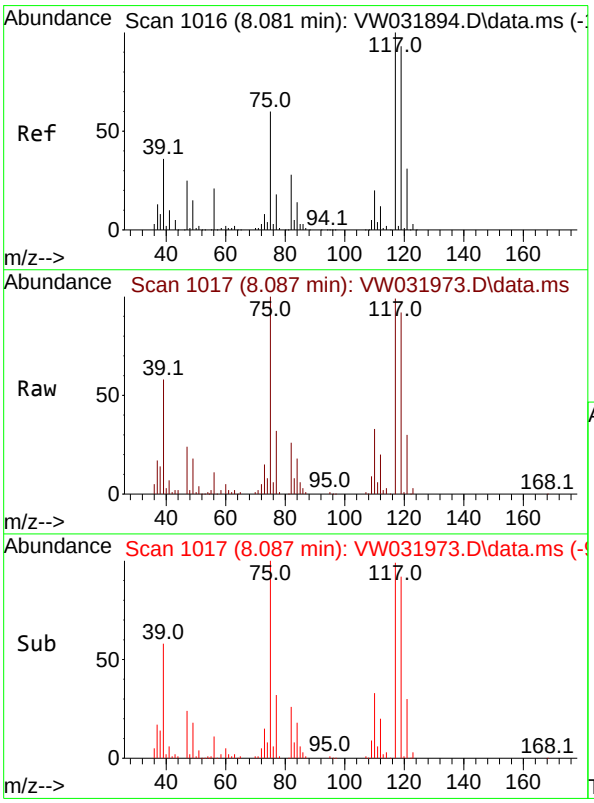
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	11.6	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

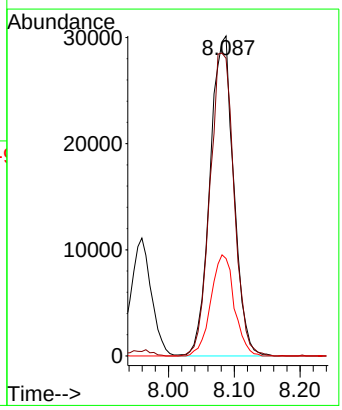


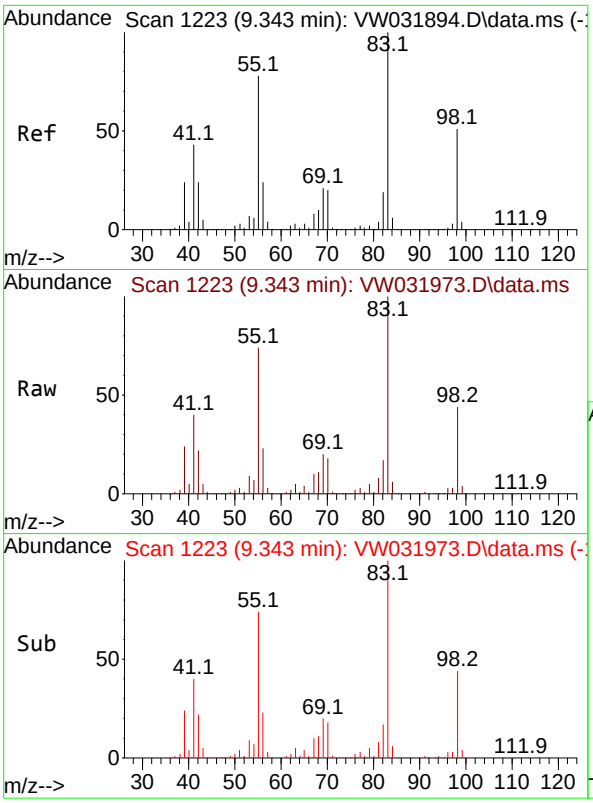


#38
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:117 Resp: 75591

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.3	111.5
121	30.5	24.6	37.0

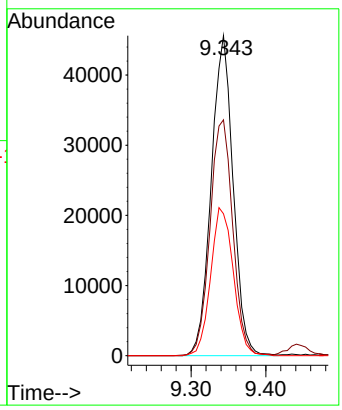




#39
Methylcyclohexane
Concen: 18.151 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 83 Resp: 9273

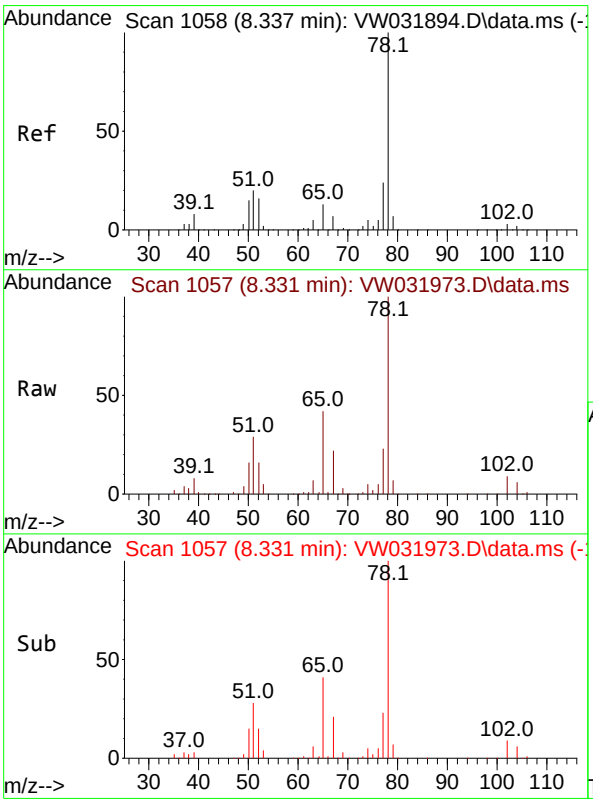
Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.5	93.7
98	44.4	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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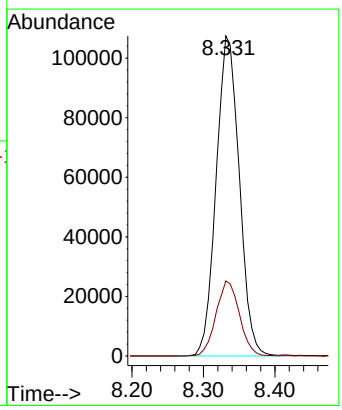
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

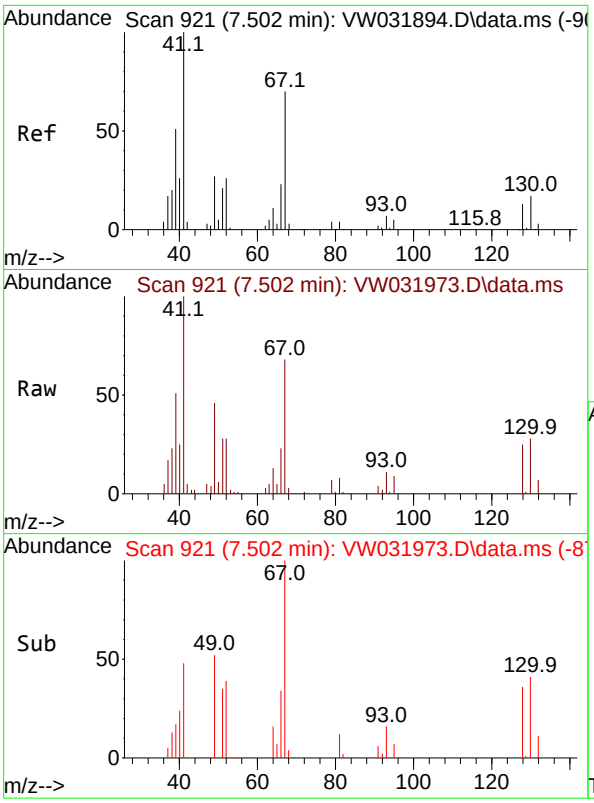


#40
Benzene
Concen: 20.069 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 78 Resp: 241183

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9

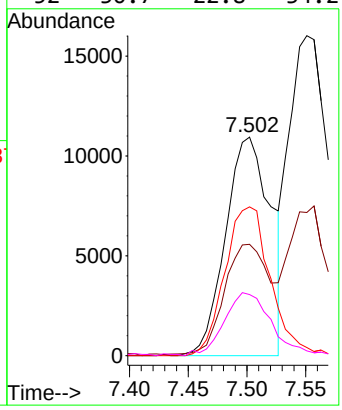




#41
Methacrylonitrile
Concen: 21.077 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 41 Resp: 2922

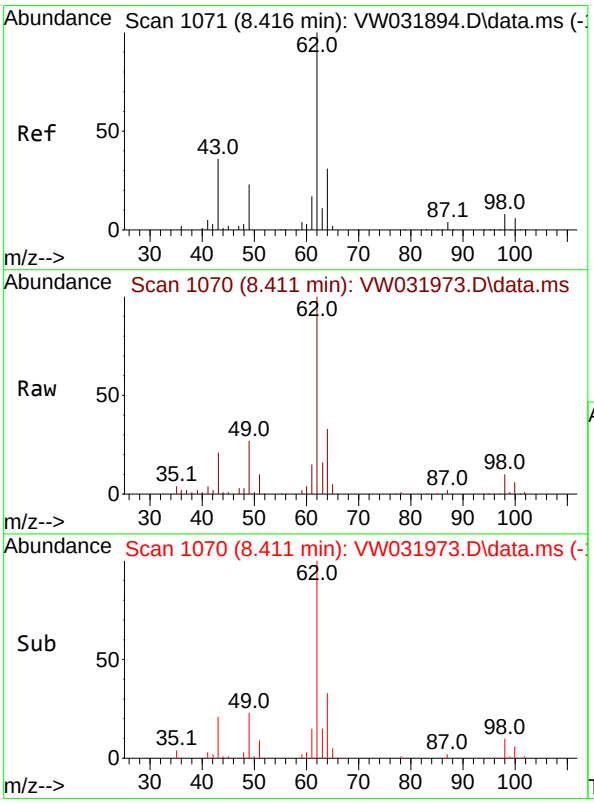
Ion	Ratio	Lower	Upper
41	100		
39	47.4	41.1	61.7
67	68.9	56.2	84.4
52	30.7	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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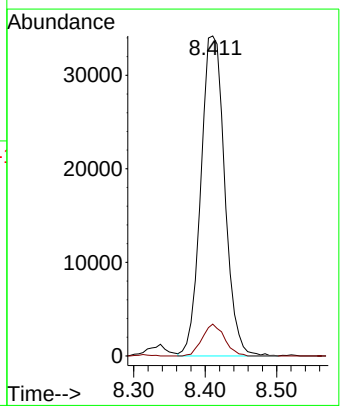
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

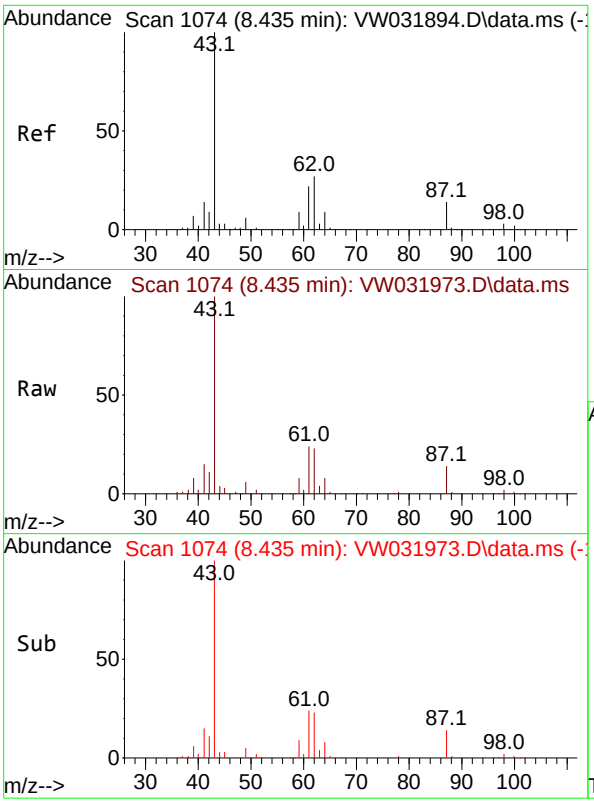


#42
1,2-Dichloroethane
Concen: 20.598 ug/l
RT: 8.411 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 62 Resp: 79225

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.692 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

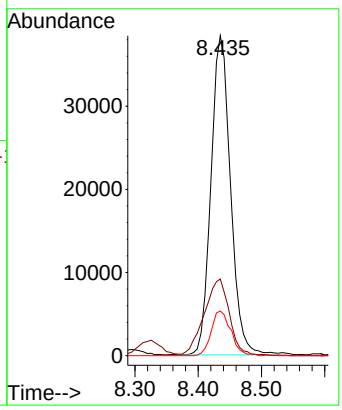
Tgt Ion: 43 Resp: 8256

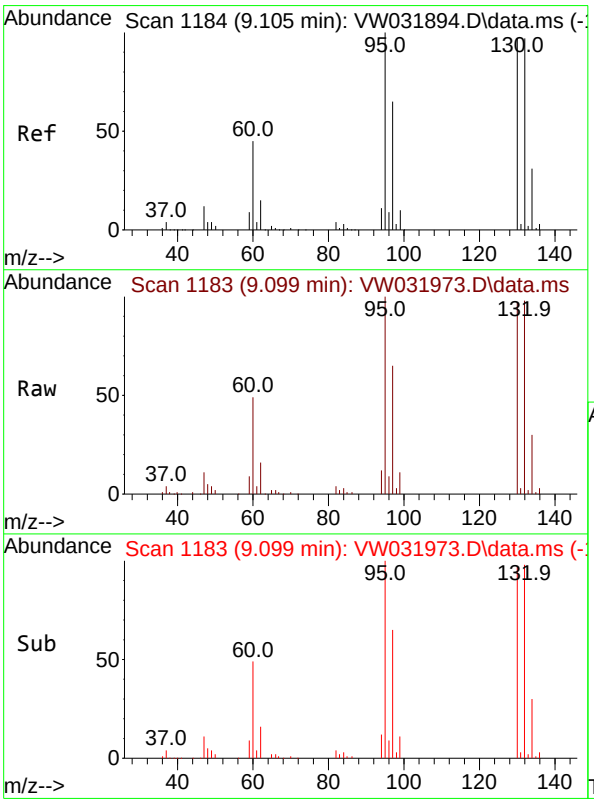
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.0	36.0
87	14.0	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

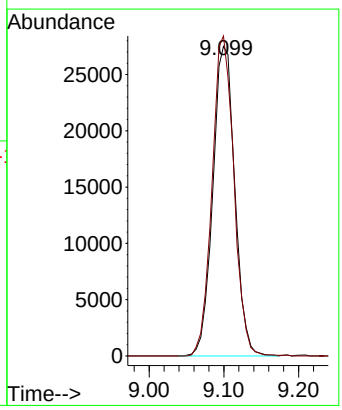


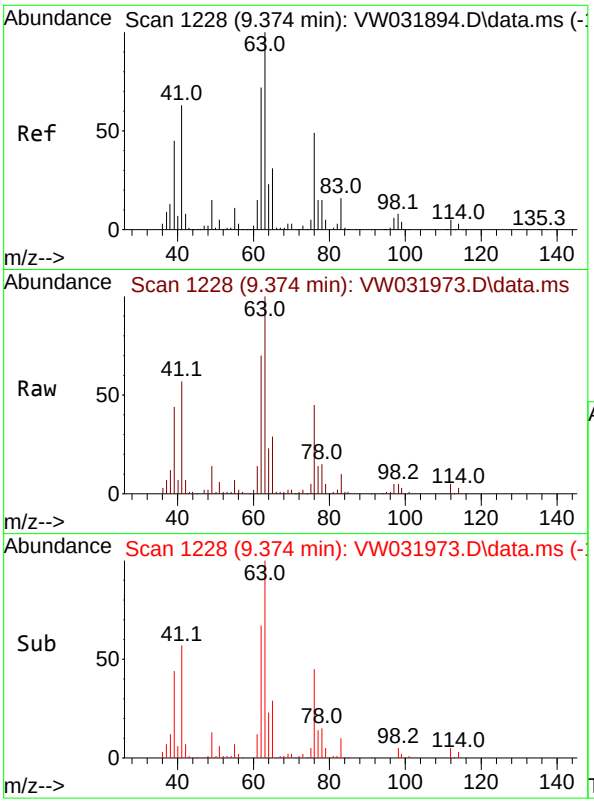


#44
Trichloroethene
Concen: 19.693 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:130 Resp: 56255

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	206.4





#45
1,2-Dichloropropane
Concen: 20.647 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

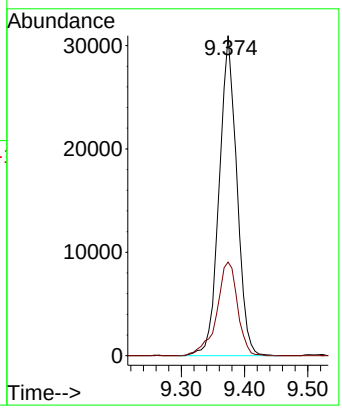
Tgt Ion: 63 Resp: 5975

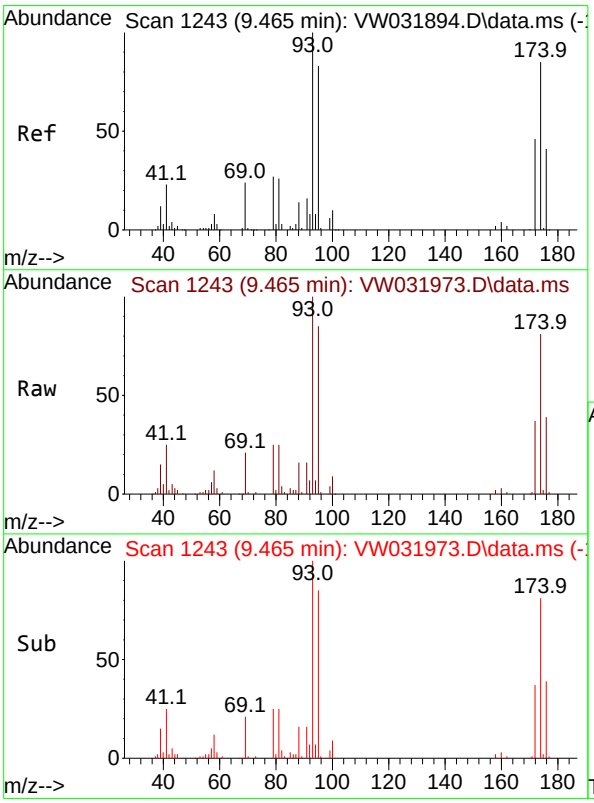
Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

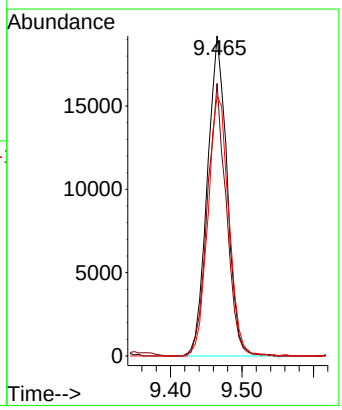


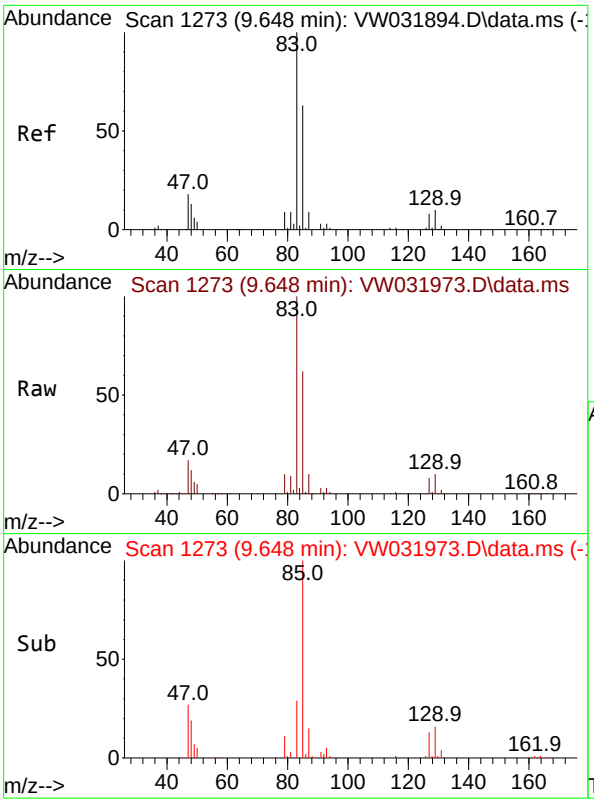


#46
Dibromomethane
Concen: 20.578 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 93 Resp: 36920

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.6
174	85.5	70.2	105.2

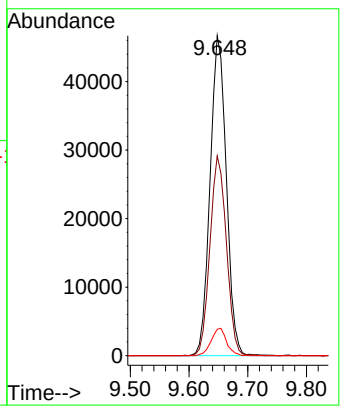




#47
Bromodichloromethane
Concen: 20.833 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 83 Resp: 8963

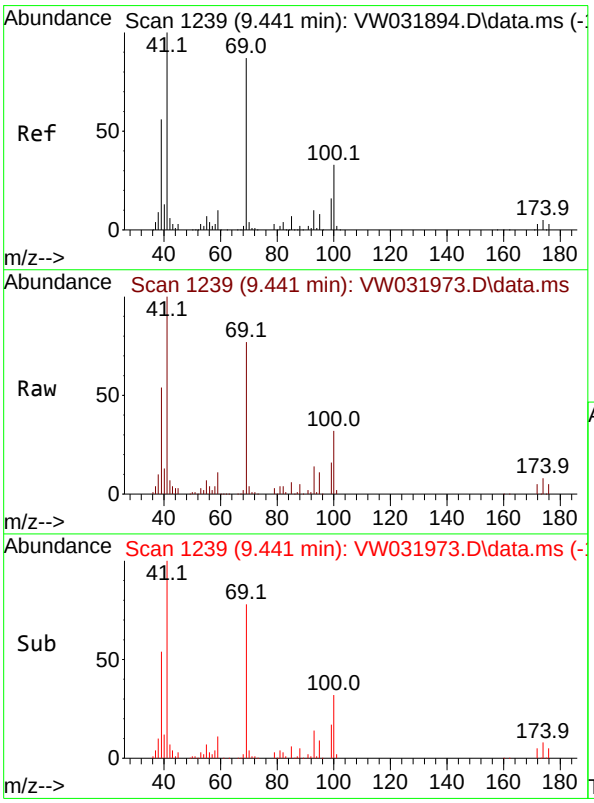
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	76.0
127	8.3	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

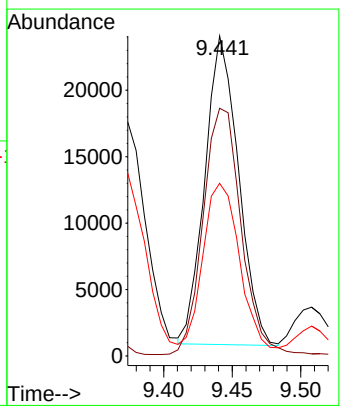
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

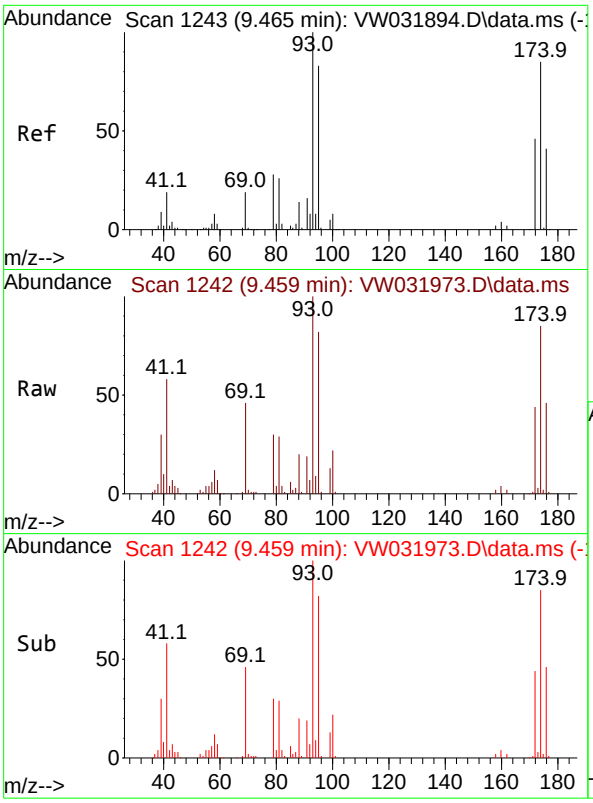


#48
Methyl methacrylate
Concen: 19.856 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 41 Resp: 39606

Ion	Ratio	Lower	Upper
41	100		
69	91.3	73.6	110.4
39	62.3	45.5	68.3





#49
1,4-Dioxane
Concen: 552.435 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

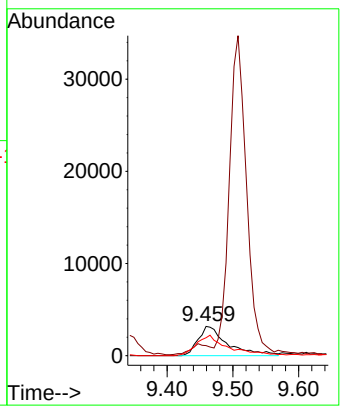
Tgt Ion: 88 Resp: 989

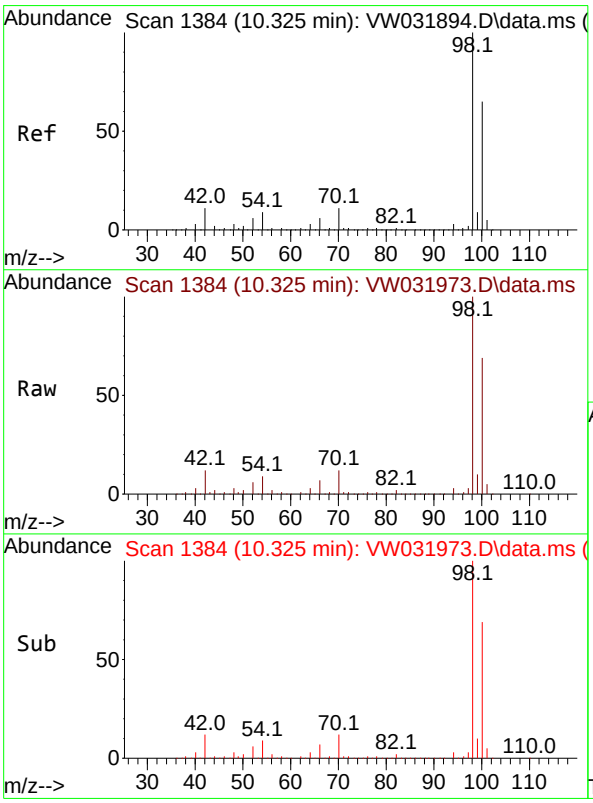
Ion	Ratio	Lower	Upper
88	100		
43	24.9	19.0	28.4
58	76.0	58.2	87.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

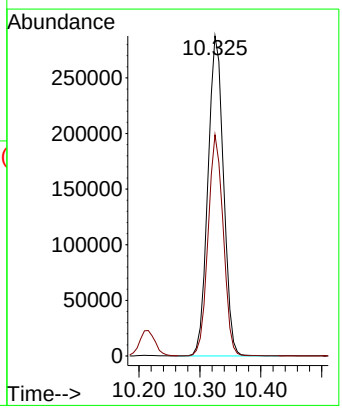


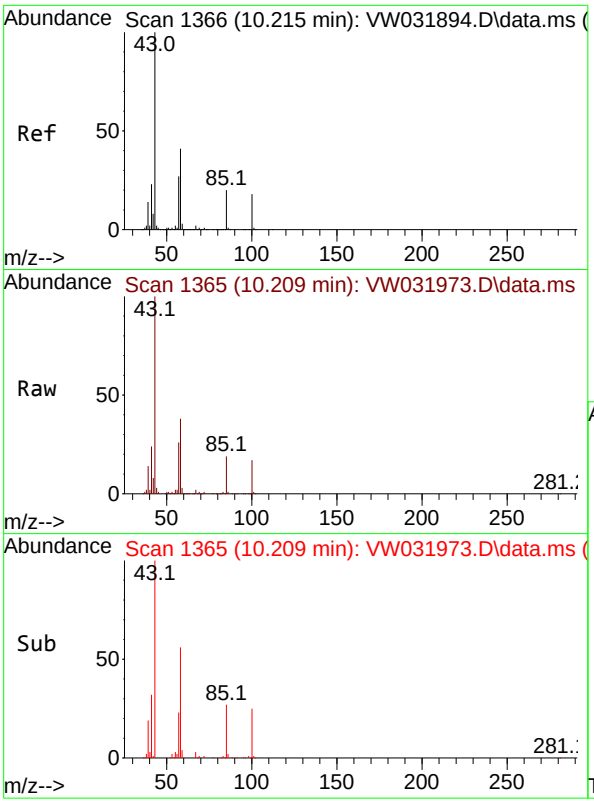


#50
Toluene-d8
Concen: 51.070 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 98 Resp: 510960

Ion	Ratio	Lower	Upper
98	100		
100	67.0	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 105.836 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

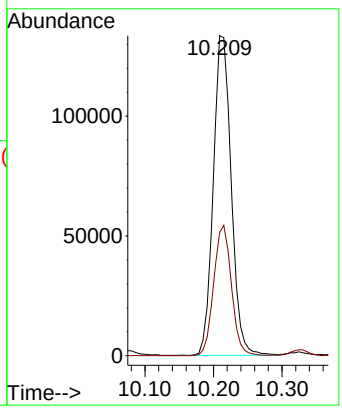
Tgt Ion: 43 Resp: 24284

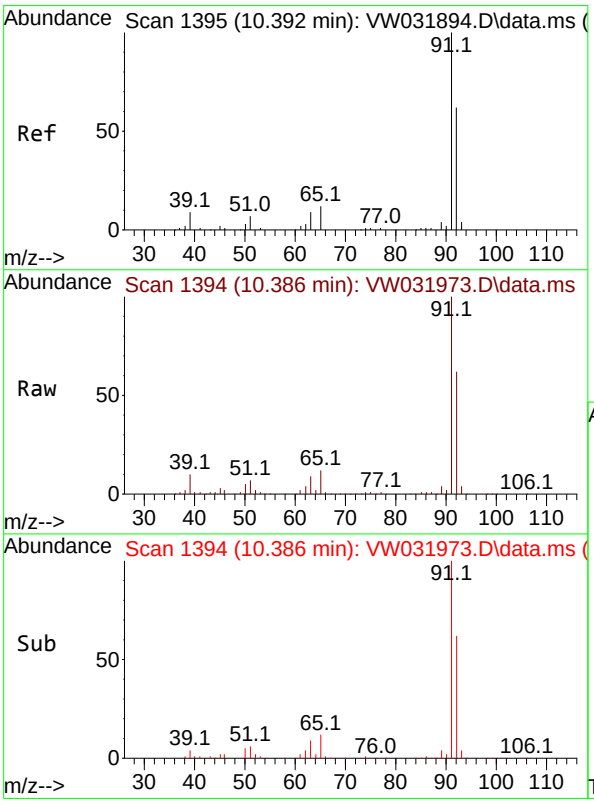
Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

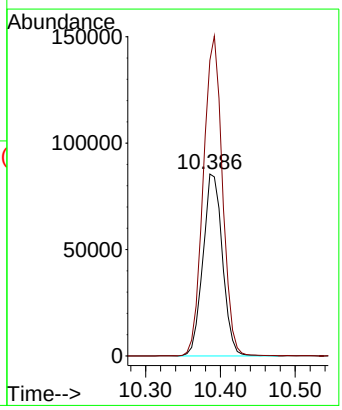


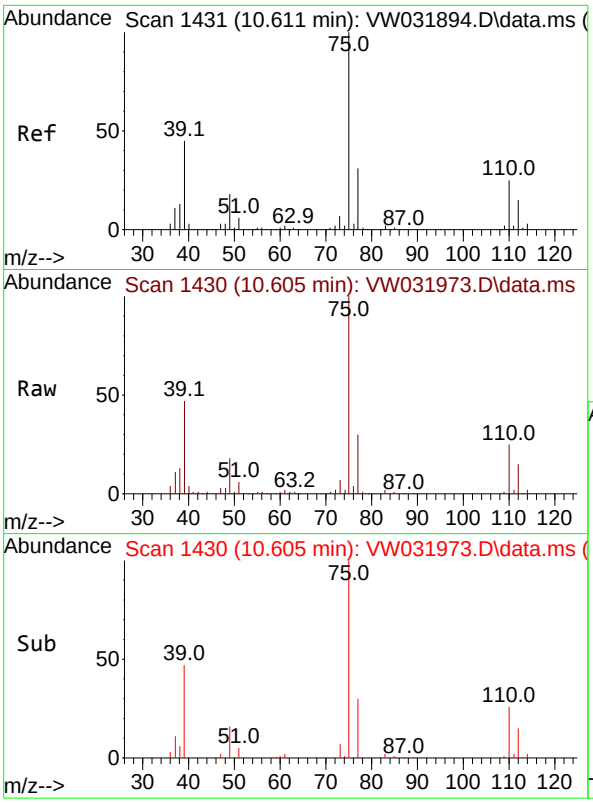


#52
Toluene
Concen: 20.025 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 92 Resp: 154706

Ion	Ratio	Lower	Upper
92	100		
91	172.5	133.7	200.5

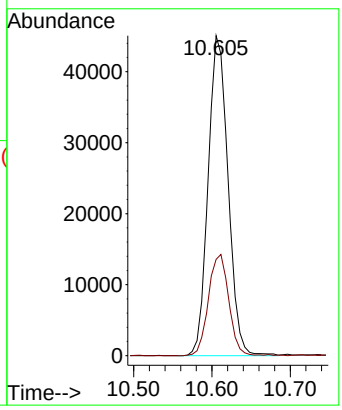




#53
t-1,3-Dichloropropene
Concen: 19.306 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 7967

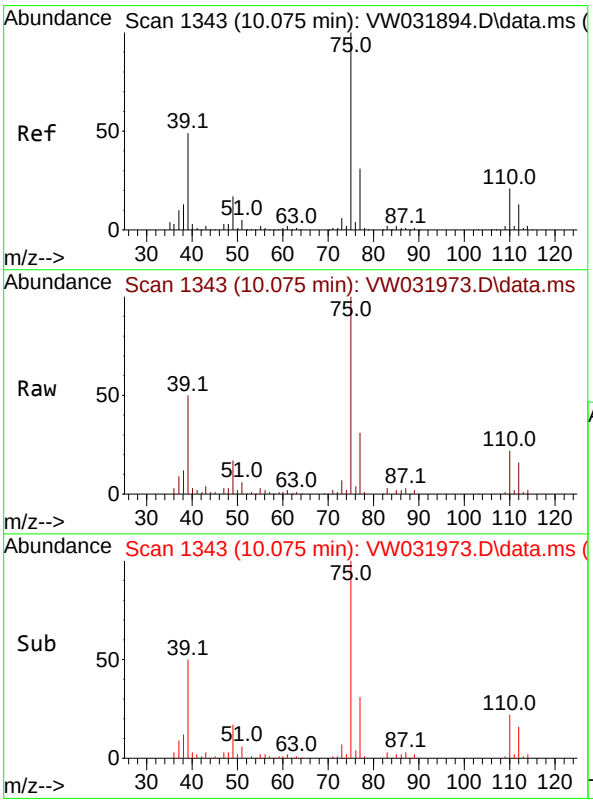
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

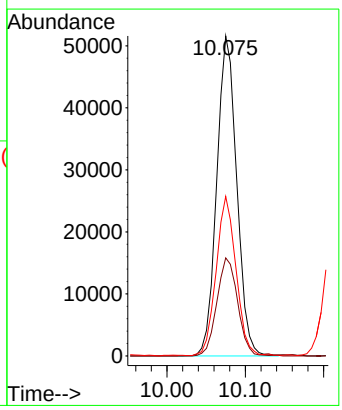
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

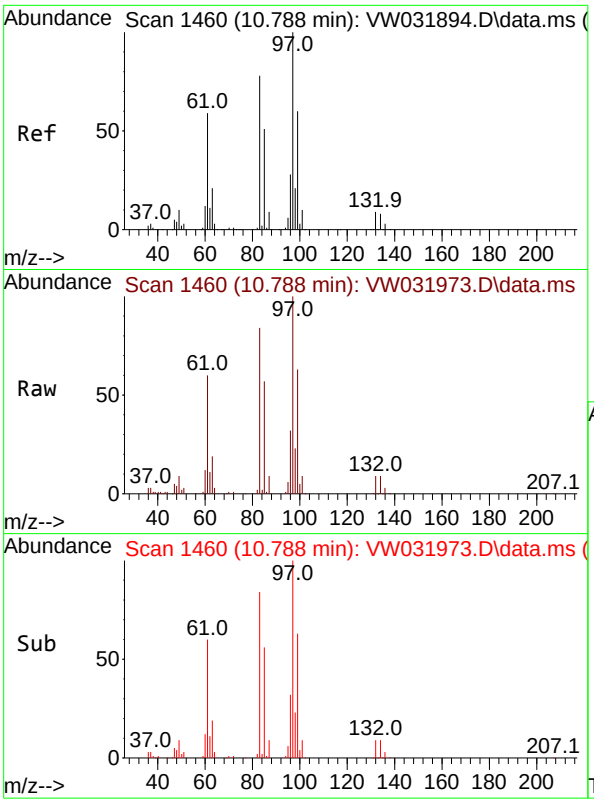


#54
cis-1,3-Dichloropropene
Concen: 19.438 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 91609

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.5	36.7
39	49.7	39.3	58.9

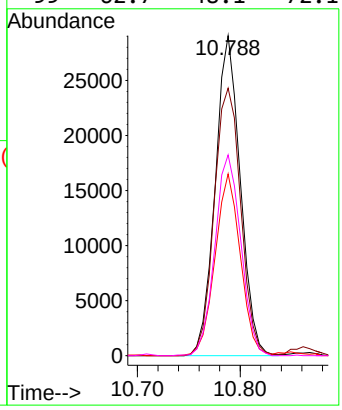




#55
1,1,2-Trichloroethane
Concen: 20.631 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 97 Resp: 4916

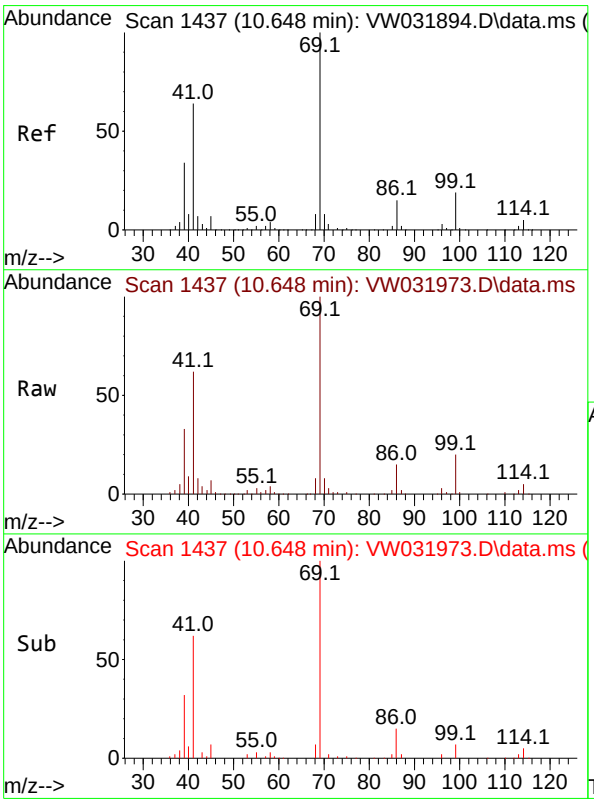
Ion	Ratio	Lower	Upper
97	100		
83	83.6	62.4	93.6
85	56.8	41.0	61.6
99	62.7	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

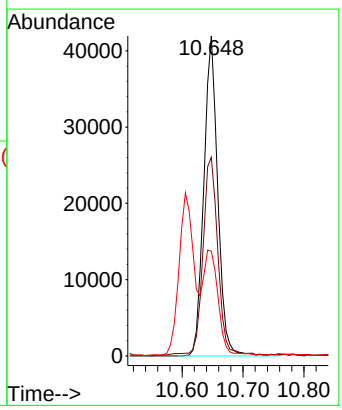
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

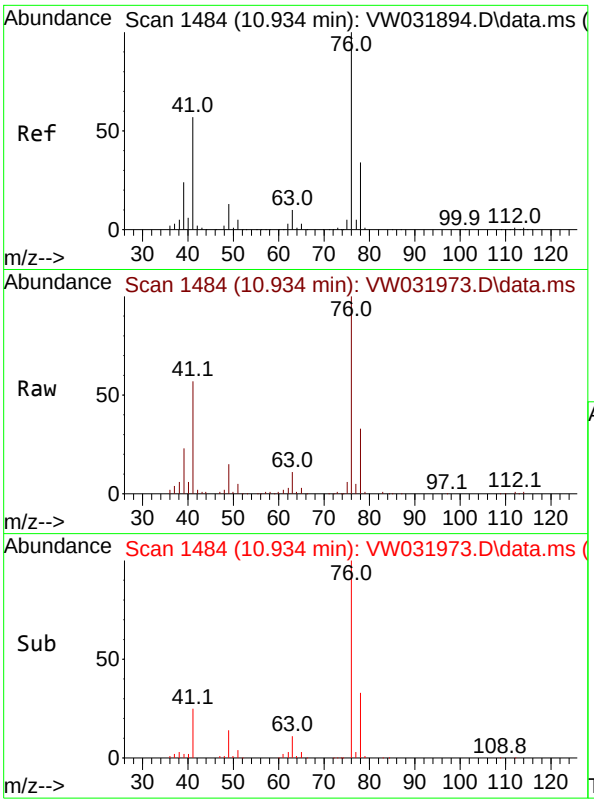


#56
Ethyl methacrylate
Concen: 19.900 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 69 Resp: 66980

Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.0	78.0
39	33.5	26.6	40.0

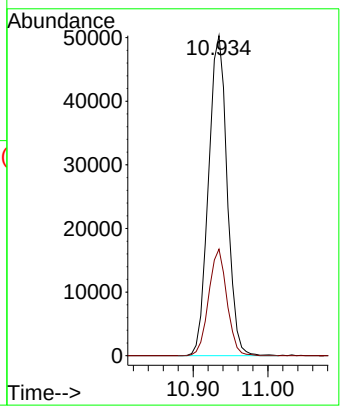




#57
1,3-Dichloropropane
Concen: 20.776 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 76 Resp: 8723

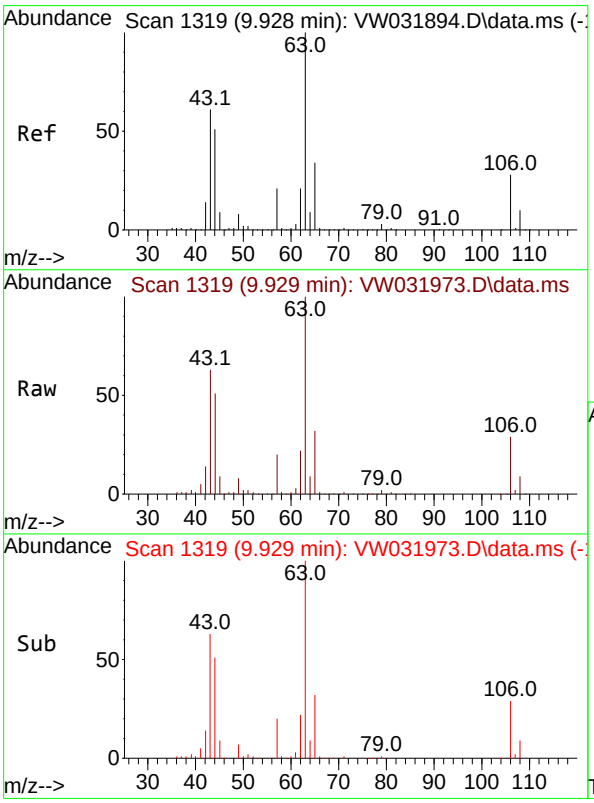
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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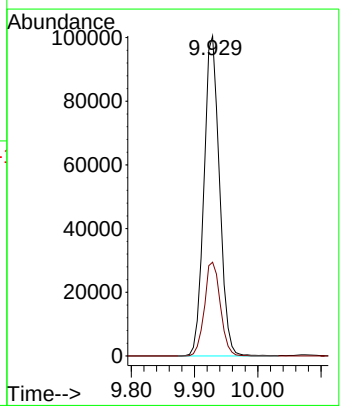
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

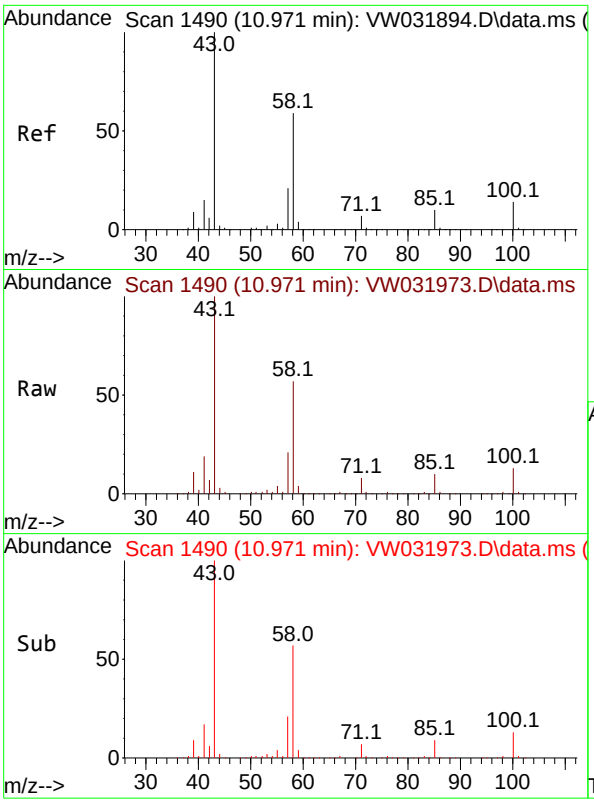


#58
2-Chloroethyl Vinyl ether
Concen: 99.235 ug/l
RT: 9.929 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 63 Resp: 171564

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.7	34.1





#59
2-Hexanone
Concen: 105.734 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

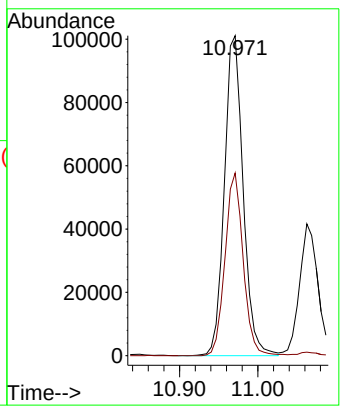
Tgt Ion: 43 Resp: 16863

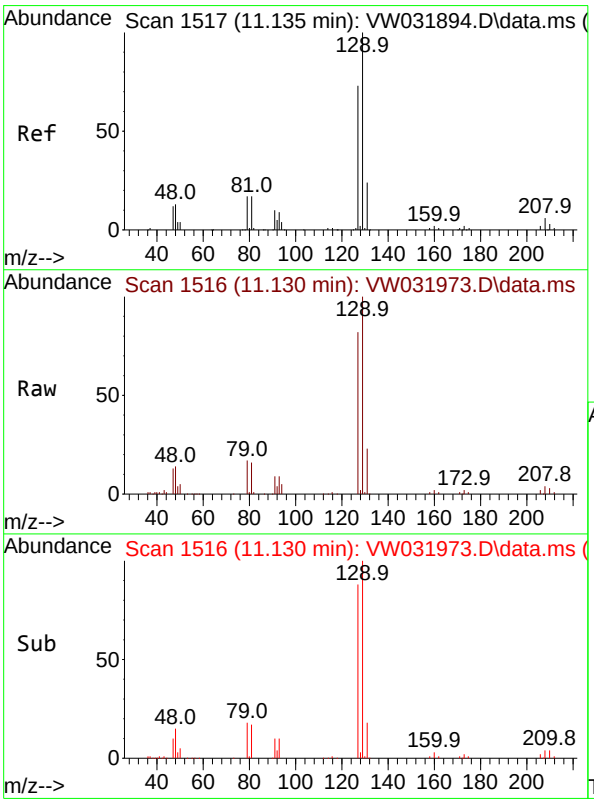
Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

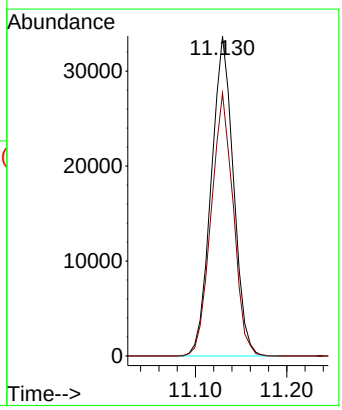


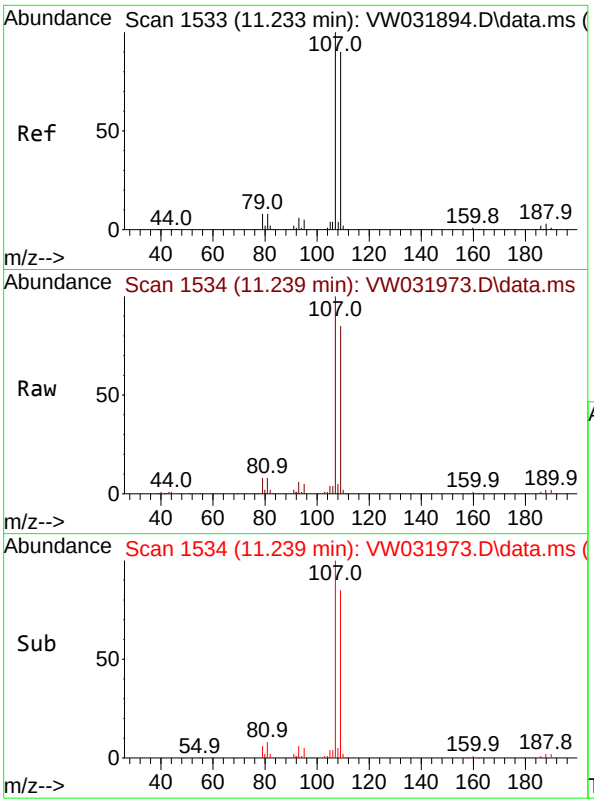


#60
Dibromochloromethane
Concen: 20.481 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:129 Resp: 56909

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.6	118.8





#61
1,2-Dibromoethane
Concen: 21.060 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

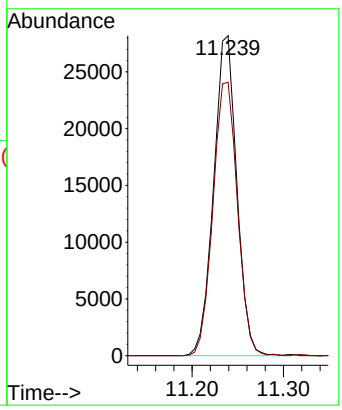
Tgt Ion:107 Resp: 4959

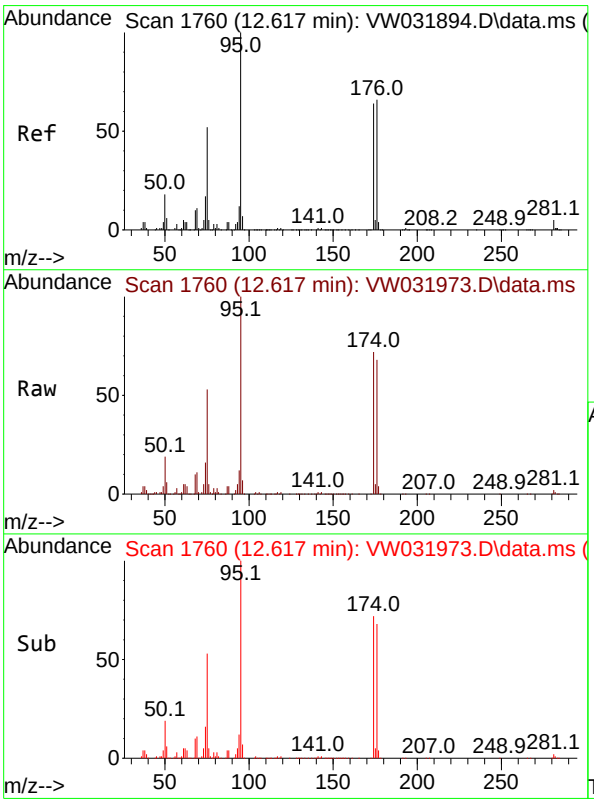
Ion	Ratio	Lower	Upper
107	100		
109	90.2	74.2	111.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

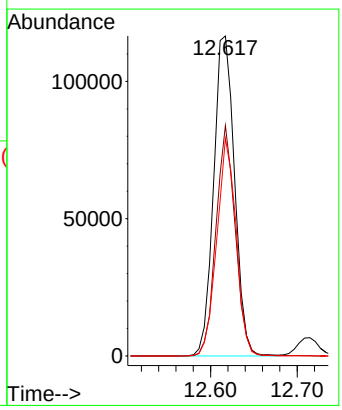


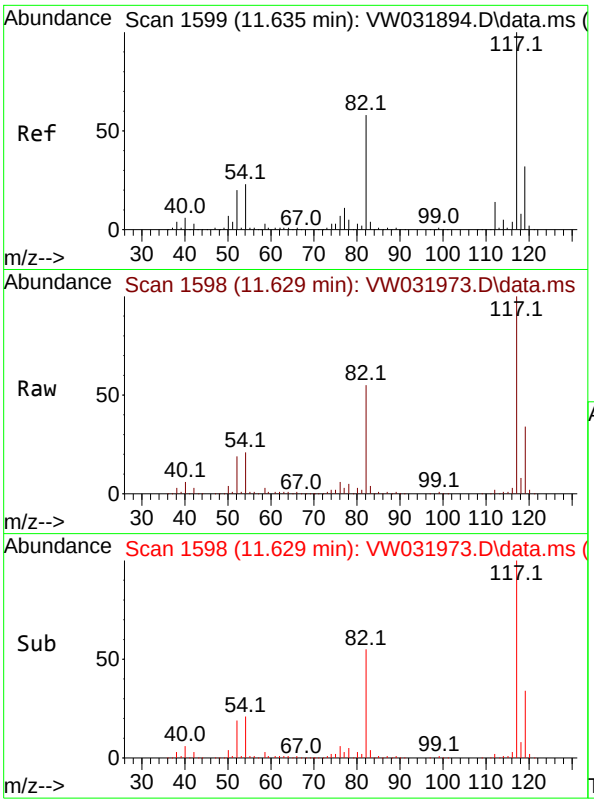


#62
4-Bromofluorobenzene
Concen: 50.937 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 95 Resp: 195687

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	129.8
176	62.7	0.0	130.4

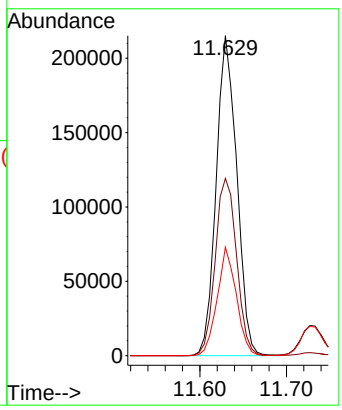




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:117 Resp: 35530

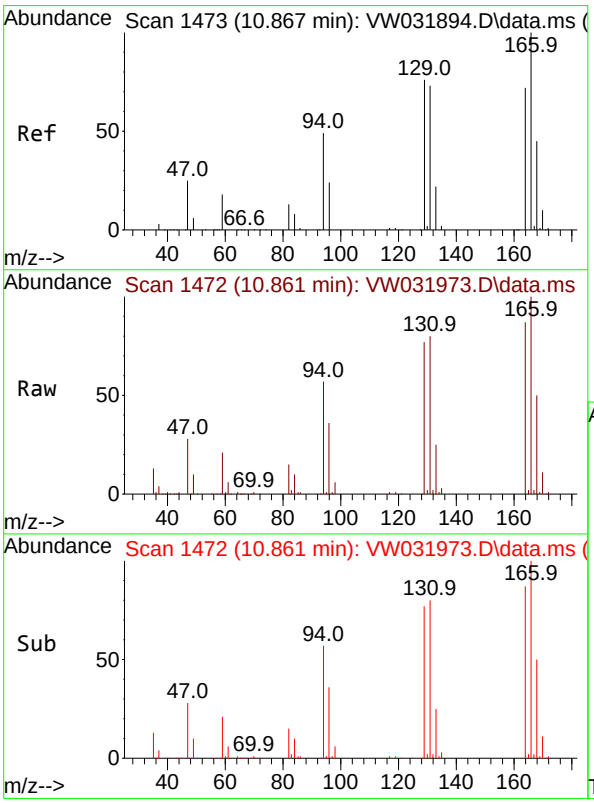
Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.5	69.7
119	33.9	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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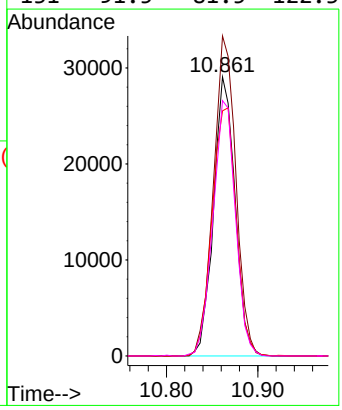
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

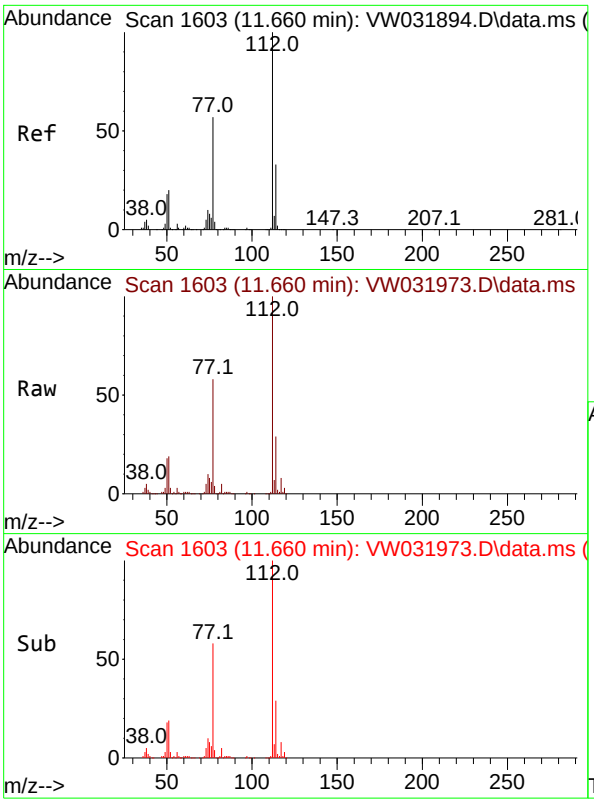


#64
Tetrachloroethene
Concen: 20.337 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:164 Resp: 47641

Ion	Ratio	Lower	Upper
164	100		
166	114.7	111.5	167.3
129	87.8	85.1	127.7
131	91.5	81.5	122.3

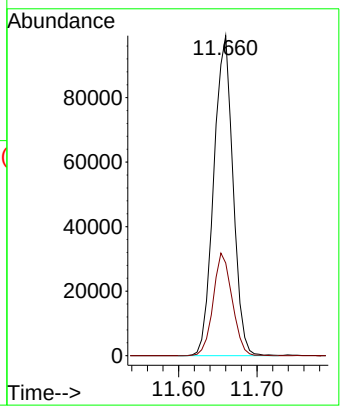




#65
Chlorobenzene
Concen: 19.459 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:112 Resp: 16921

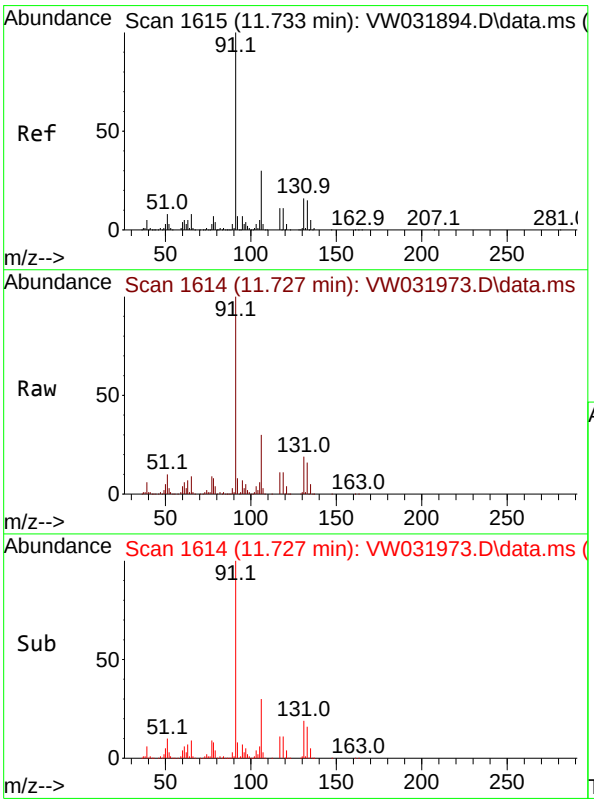
Ion	Ratio	Lower	Upper
112	100		
114	28.9	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

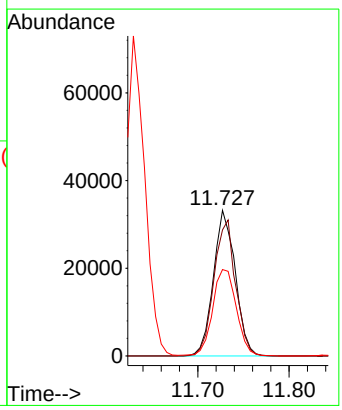
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

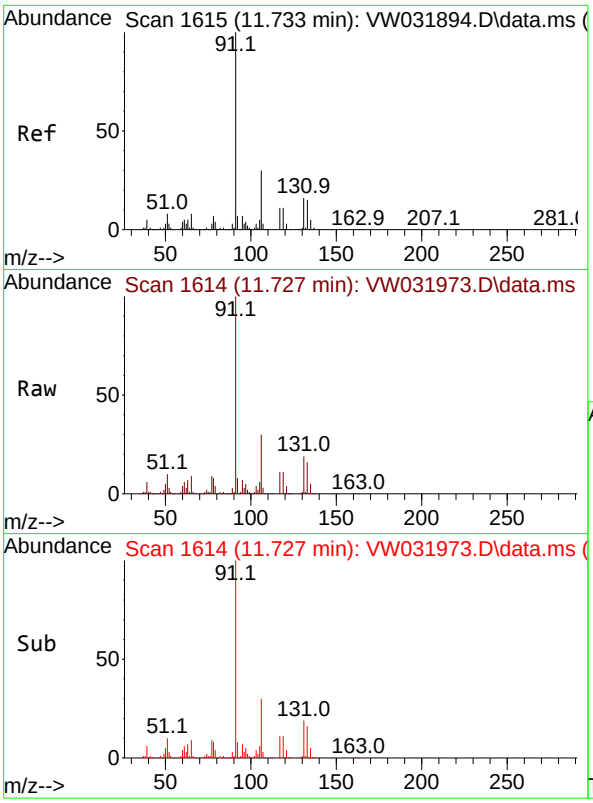


#66
1,1,1,2-Tetrachloroethane
Concen: 20.510 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:131 Resp: 55290

Ion	Ratio	Lower	Upper
131	100		
133	92.7	48.1	144.4
119	64.6	33.7	101.1





#67
Ethyl Benzene
Concen: 18.937 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

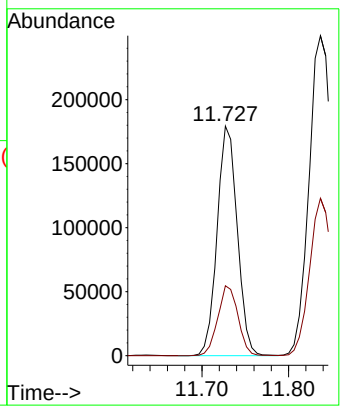
Tgt Ion: 91 Resp: 28932

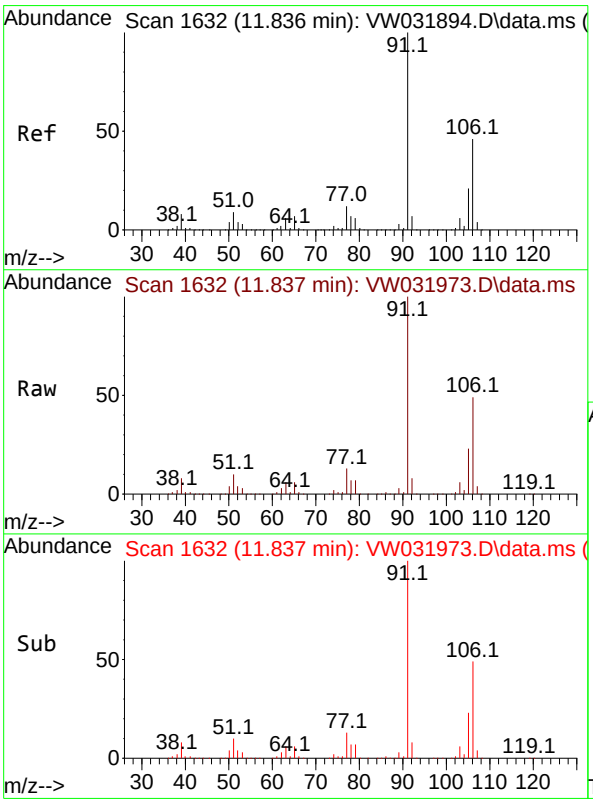
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

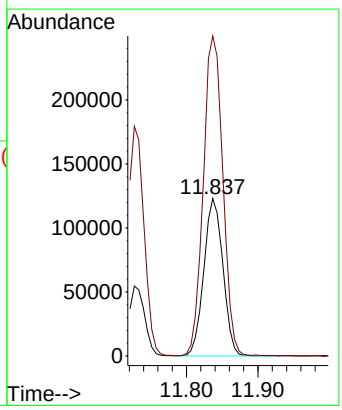


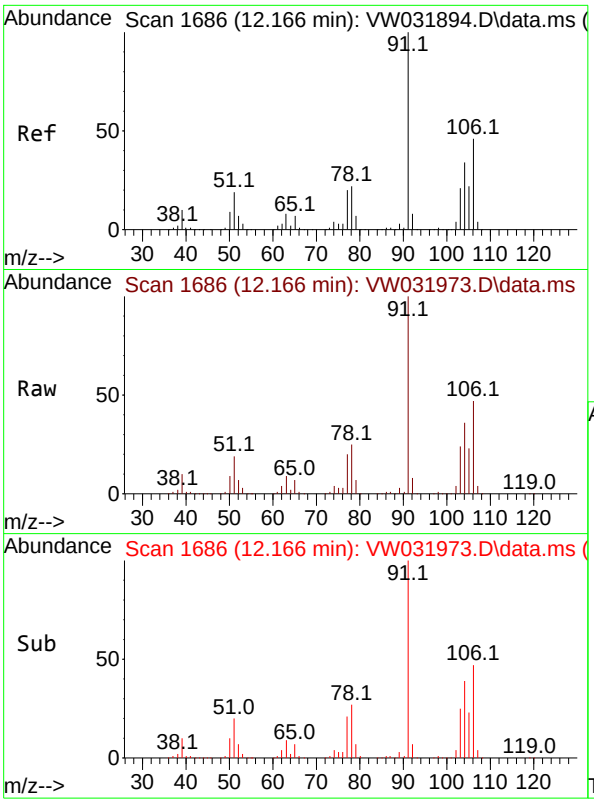


#68
m/p-Xylenes
Concen: 39.631 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:106 Resp: 227948

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.7	251.5





#69
o-Xylene
Concen: 19.636 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

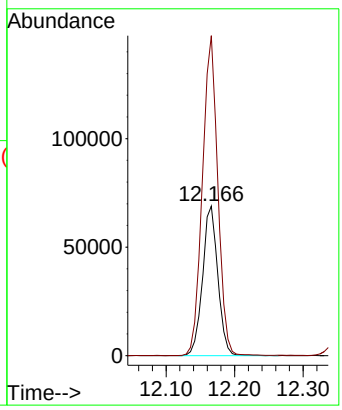
Tgt Ion:106 Resp: 10688

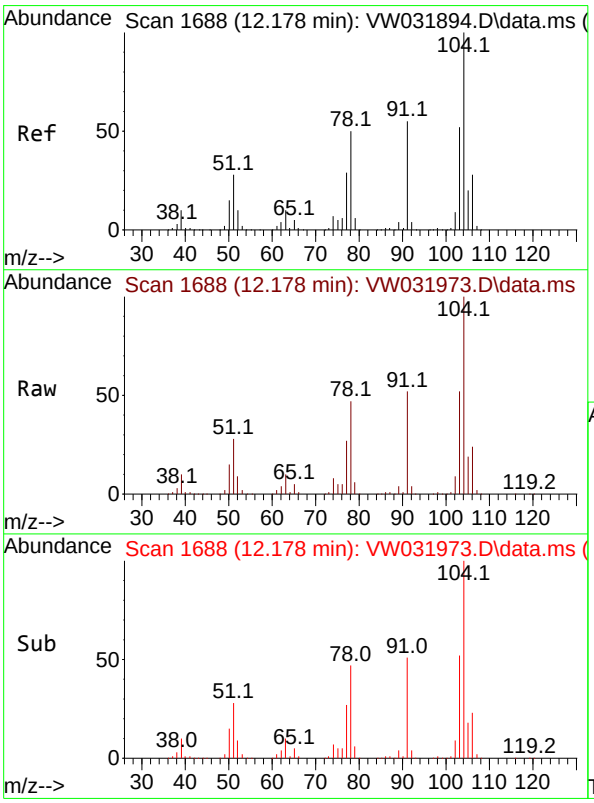
Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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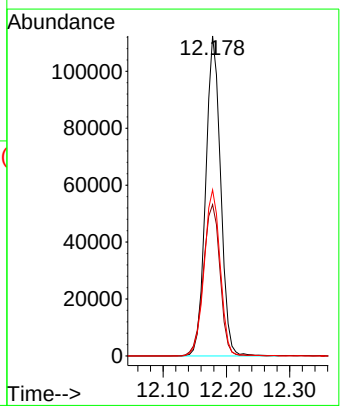


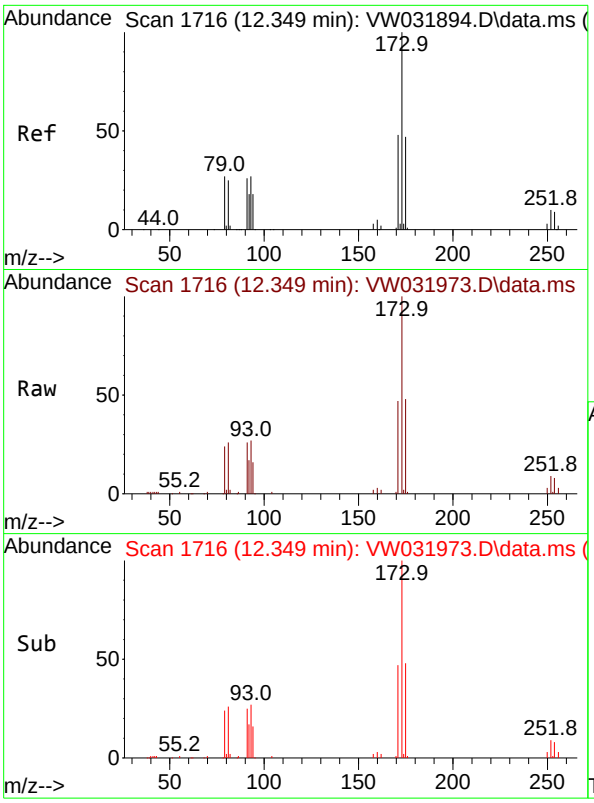


#70
Styrene
Concen: 19.931 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:104 Resp: 184711

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.4
103	55.6	42.8	64.2

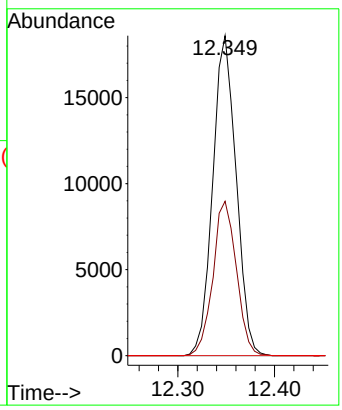




#71
Bromoform
Concen: 21.189 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:173 Resp: 3124

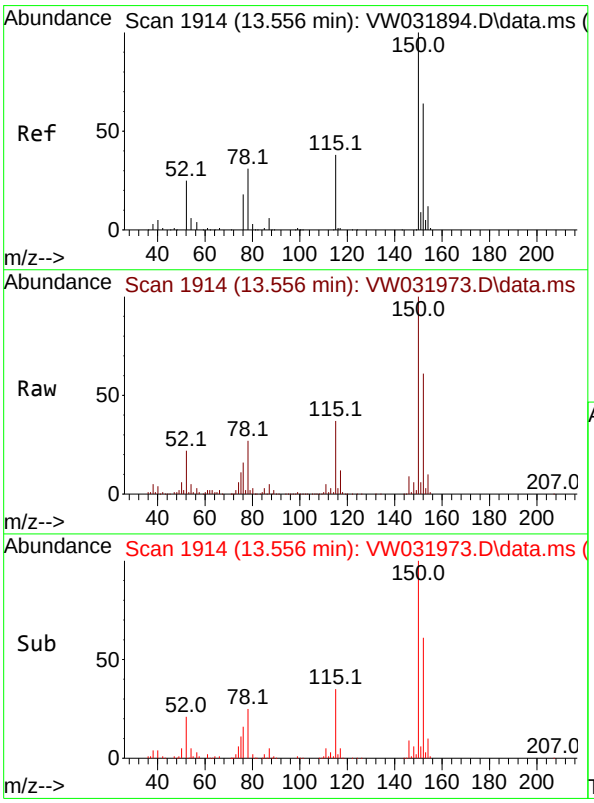
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.0	0.2	0.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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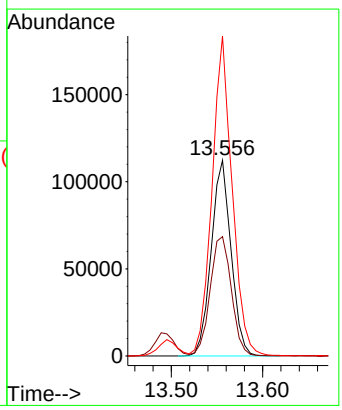
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

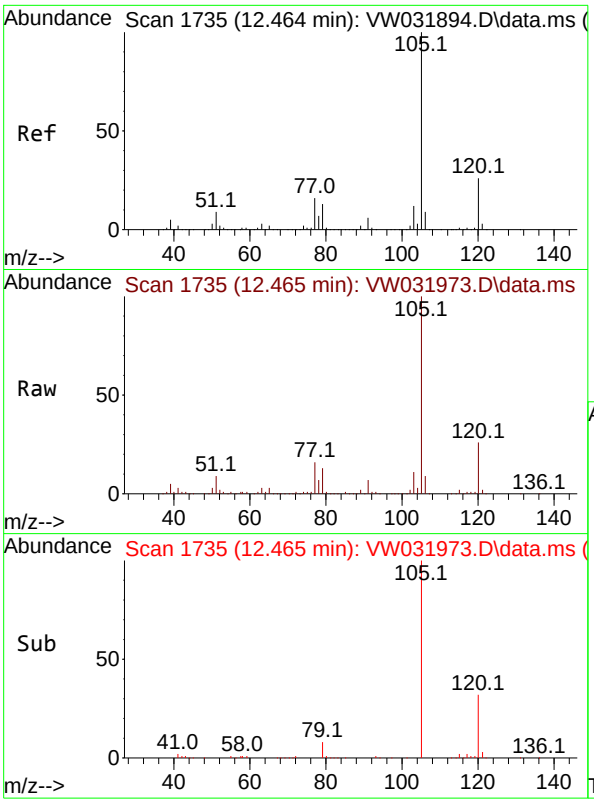


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:152 Resp: 169621

Ion	Ratio	Lower	Upper
152	100		
115	65.1	33.4	100.1
150	165.6	0.0	352.2





#73
Isopropylbenzene
Concen: 18.237 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

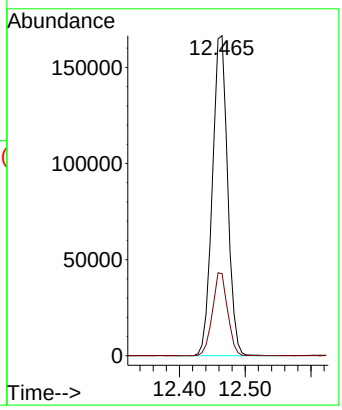
Tgt Ion:105 Resp: 26840

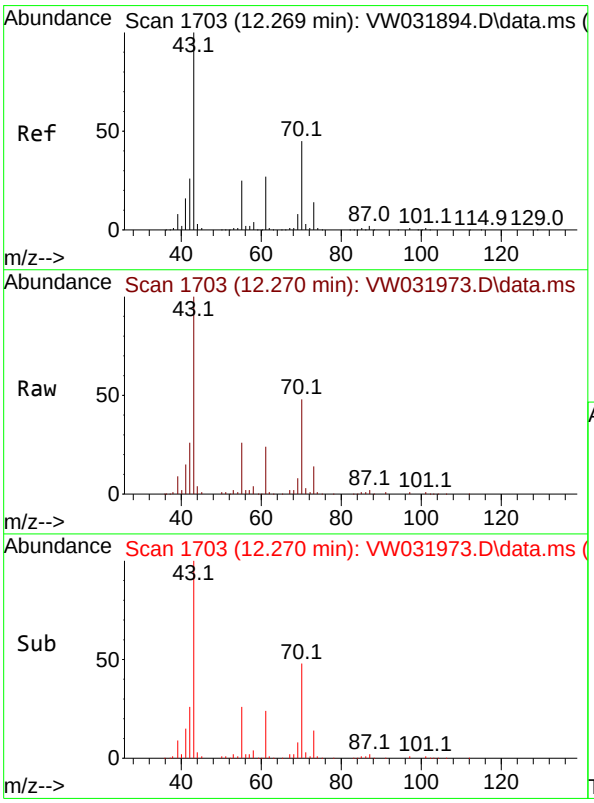
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

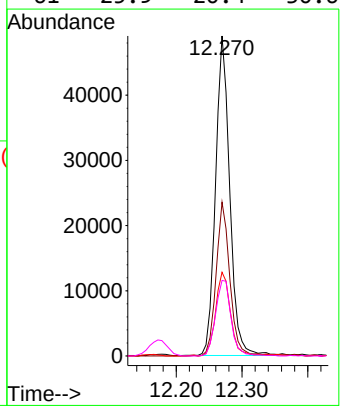


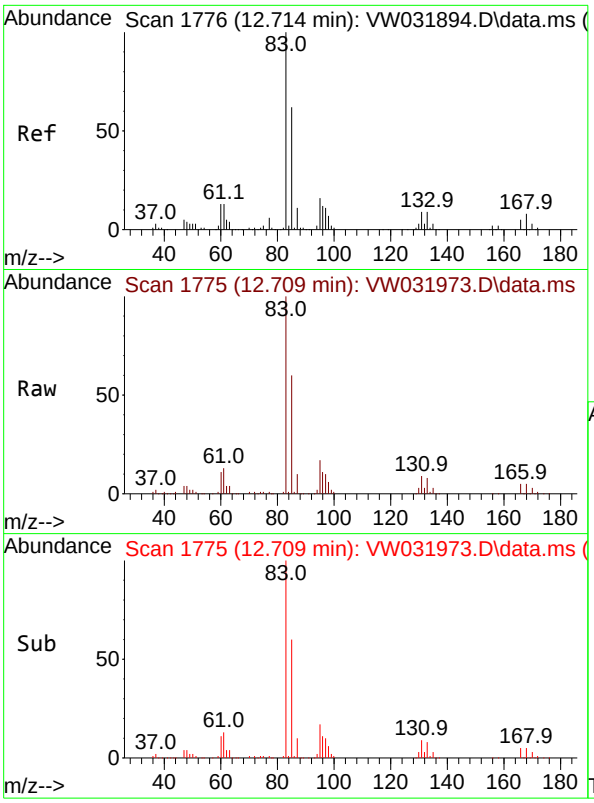


#74
N-amyl acetate
Concen: 18.535 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 73747

Ion	Ratio	Lower	Upper
43	100		
70	46.9	36.6	55.0
55	27.3	20.7	31.1
61	25.9	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 20.554 ug/l
RT: 12.709 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

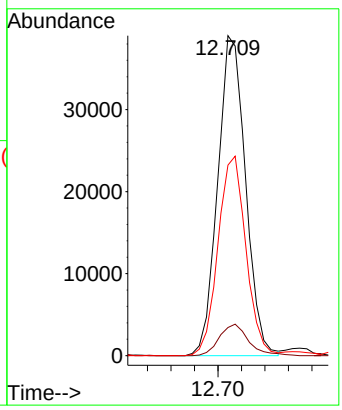
Tgt Ion: 83 Resp: 6421

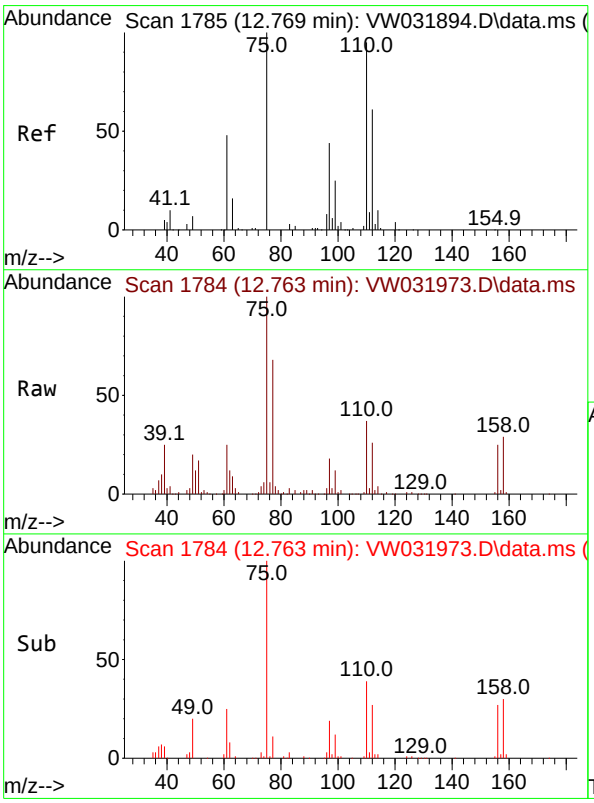
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	62.5	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

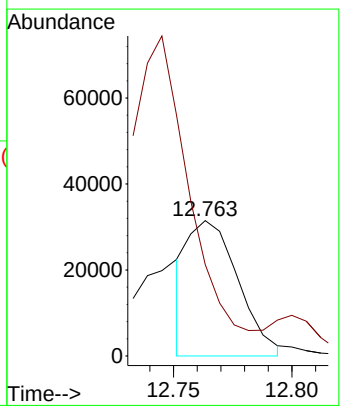


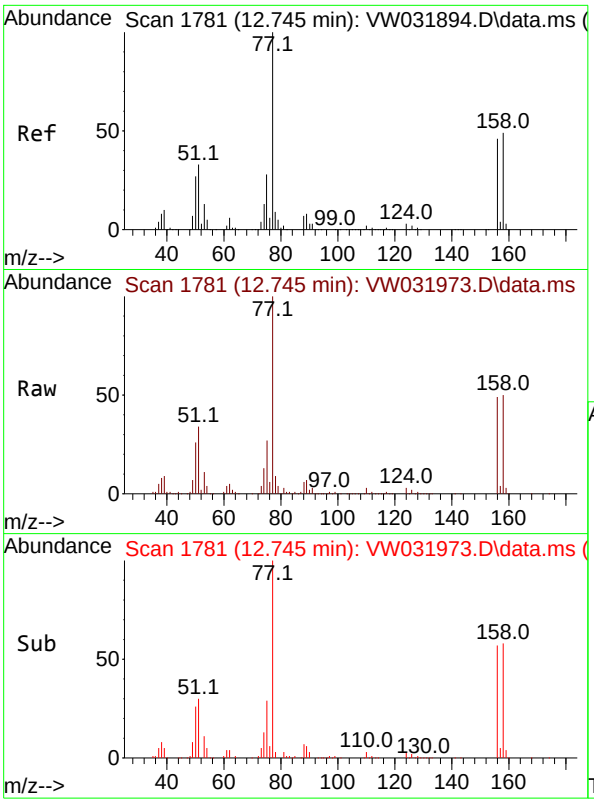


#76
1,2,3-Trichloropropane
Concen: 19.942 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 46702

Ion	Ratio	Lower	Upper
75	100		
77	292.2	0.0	0.0#

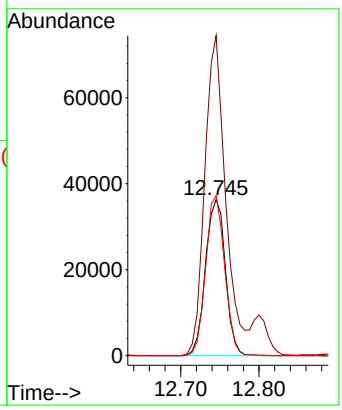




#77
Bromobenzene
Concen: 20.098 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:156 Resp: 6400

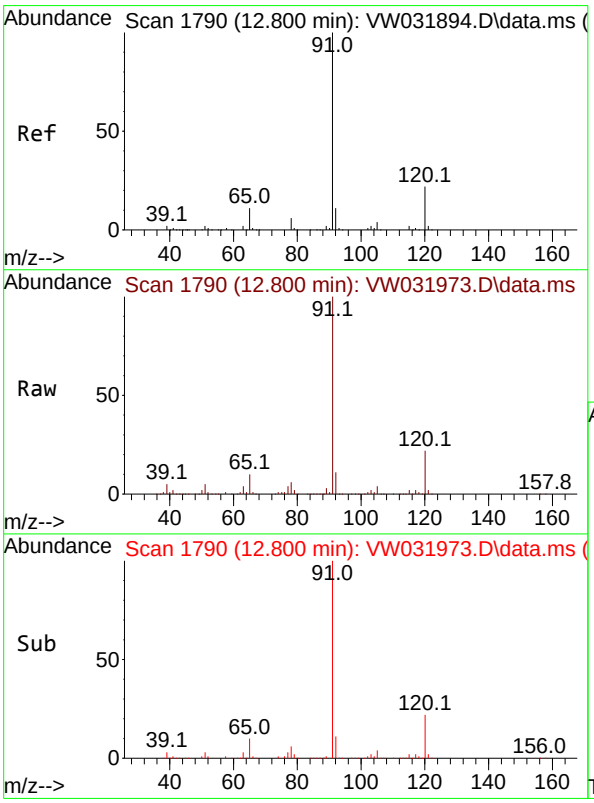
Ion	Ratio	Lower	Upper
156	100		
77	213.2	115.3	345.8
158	98.0	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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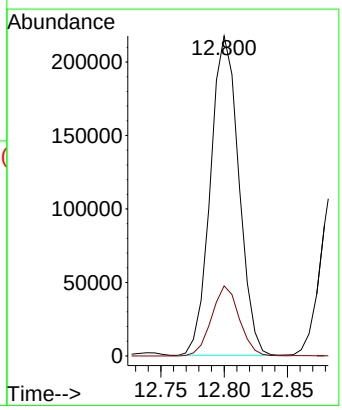
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

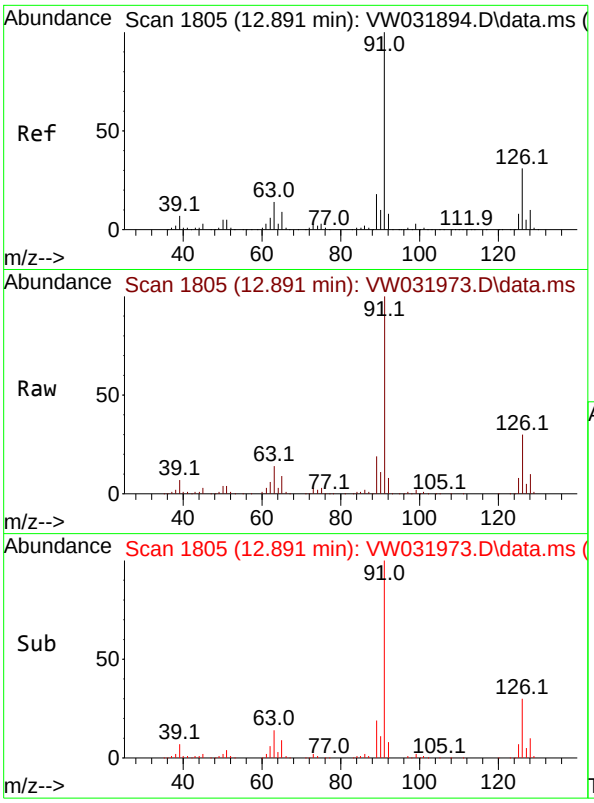


#78
n-propylbenzene
Concen: 18.750 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 91 Resp: 338914

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.6





#79
2-Chlorotoluene
Concen: 19.048 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

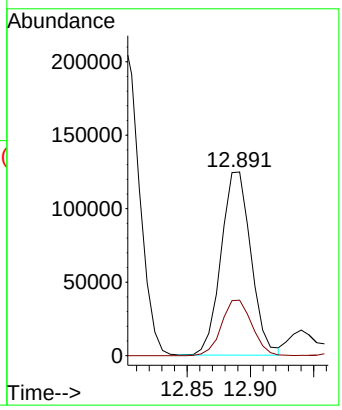
Tgt Ion: 91 Resp: 20556

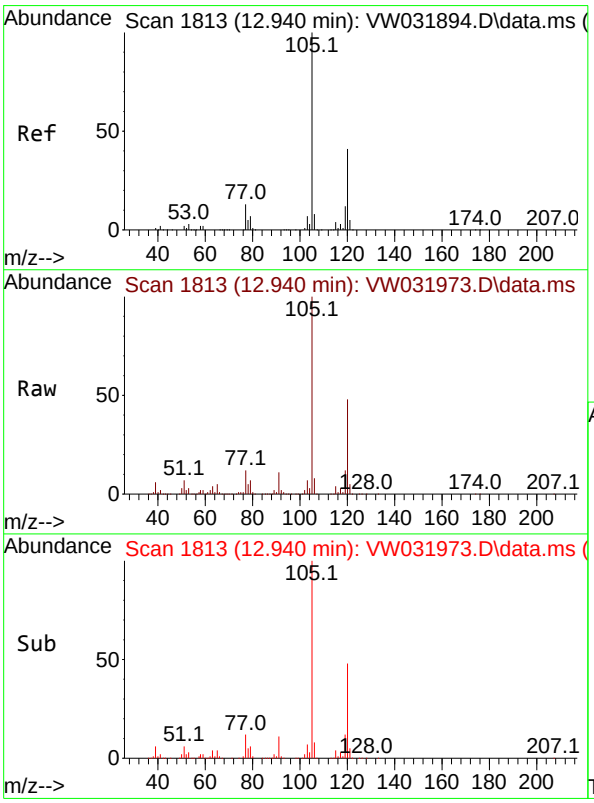
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

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Reviewed By :Mahesh Dadoda 08/04/2025
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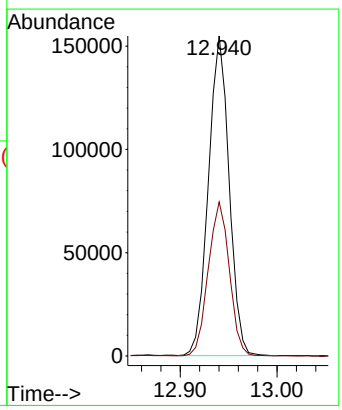


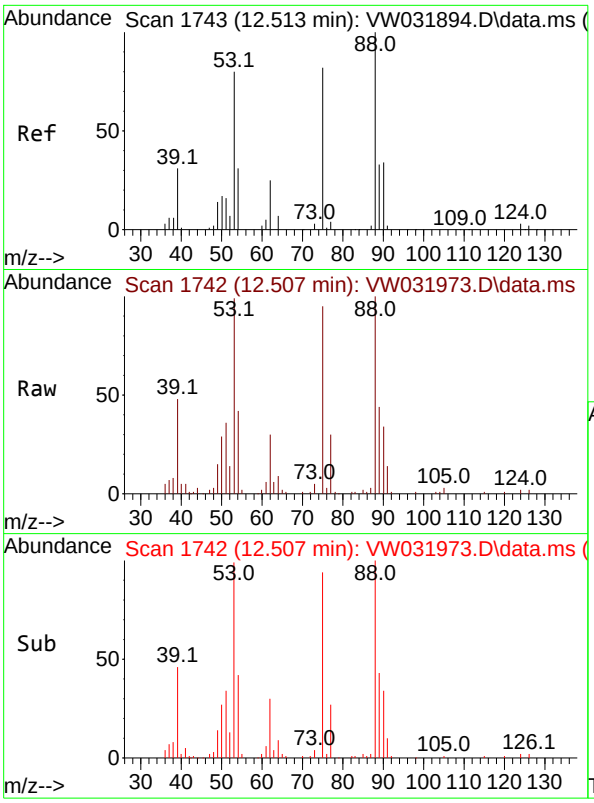


#80
1,3,5-Trimethylbenzene
Concen: 18.628 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:105 Resp: 229932

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 17.856 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

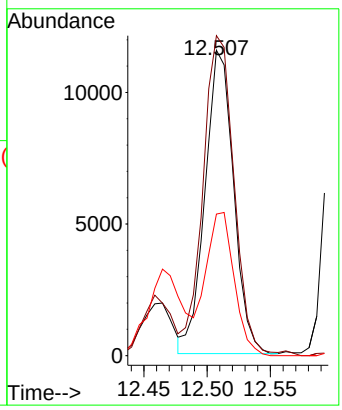
Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

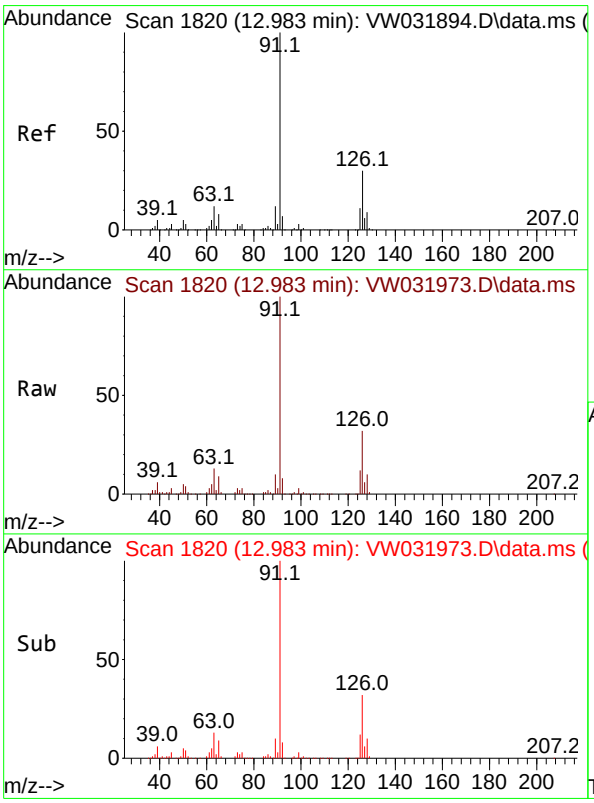
Tgt Ion: 75 Resp: 1811

Ion	Ratio	Lower	Upper
75	100		
53	115.1	83.7	125.5
89	46.5	39.0	58.6

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Supervised By :Semsettin Yesilyurt 08/04/2025

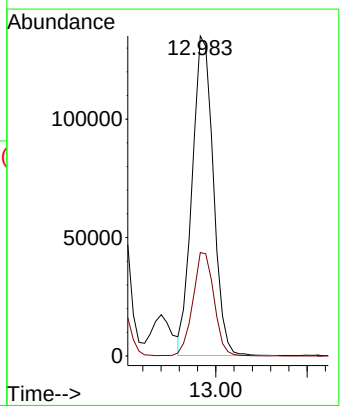


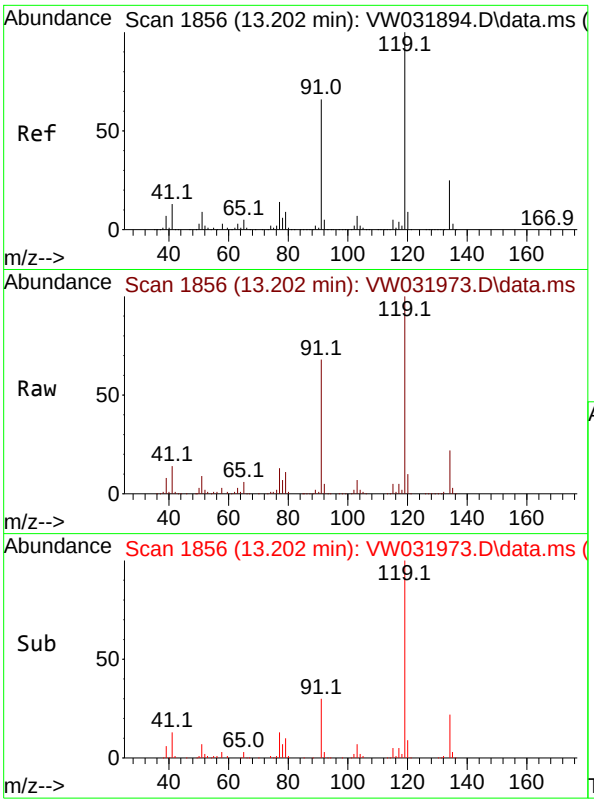


#82
4-Chlorotoluene
Concen: 19.120 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 91 Resp: 216472

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.8	47.3

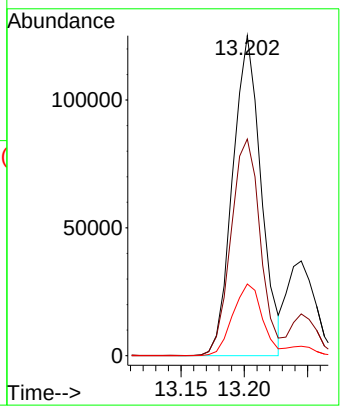




#83
tert-Butylbenzene
Concen: 18.615 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:119 Resp: 19571

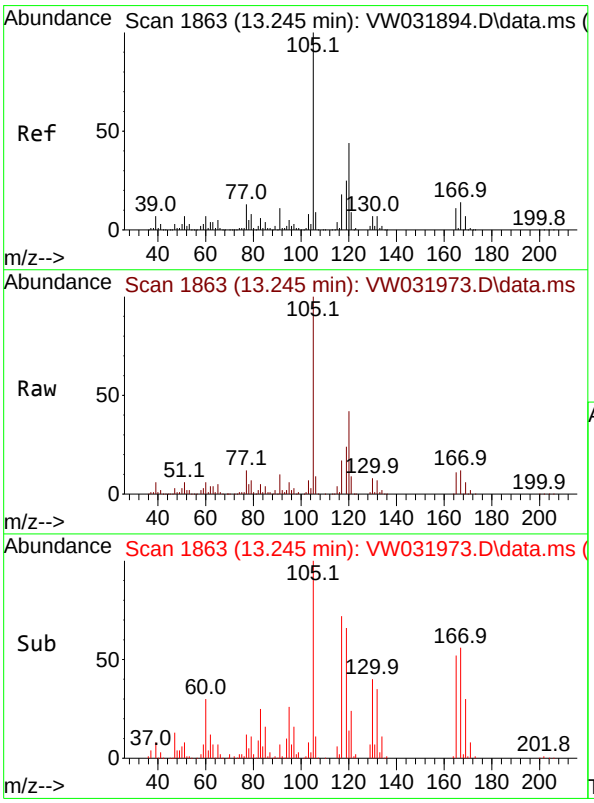
Ion	Ratio	Lower	Upper
119	100		
91	69.6	35.5	106.5
134	23.7	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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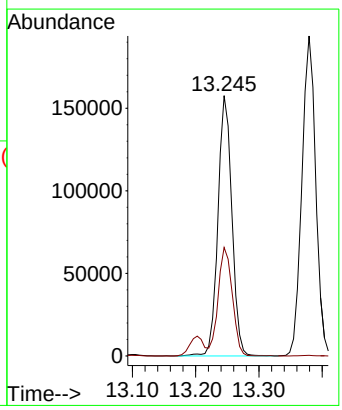
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

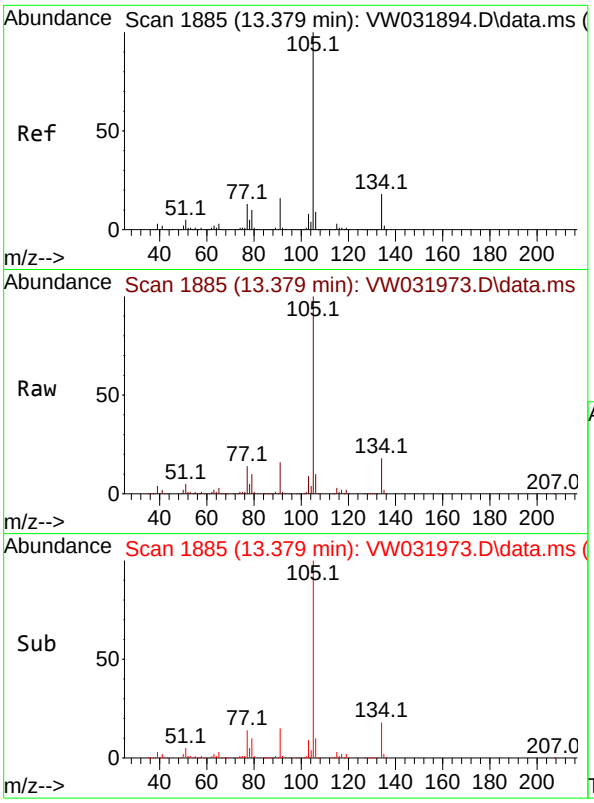


#84
1,2,4-Trimethylbenzene
Concen: 19.191 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:105 Resp: 239764

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.3	63.9





#85
sec-Butylbenzene
Concen: 18.553 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

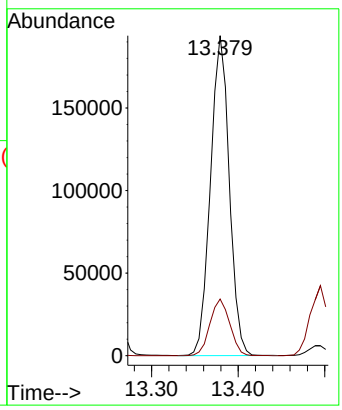
Tgt Ion:105 Resp: 29293

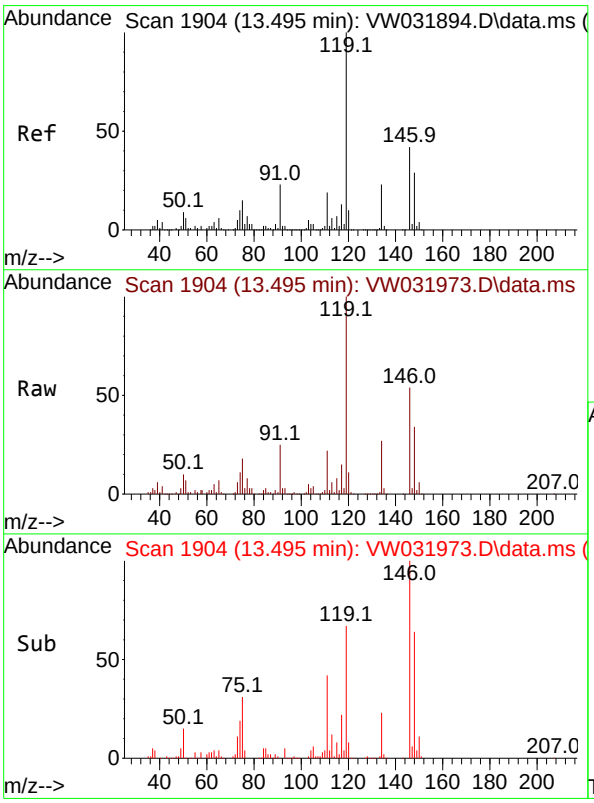
Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

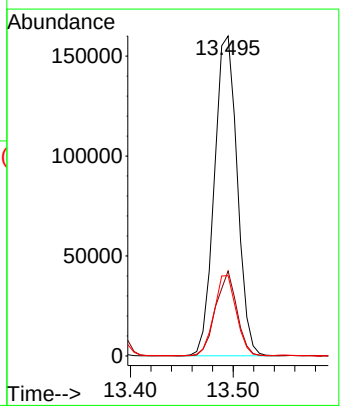


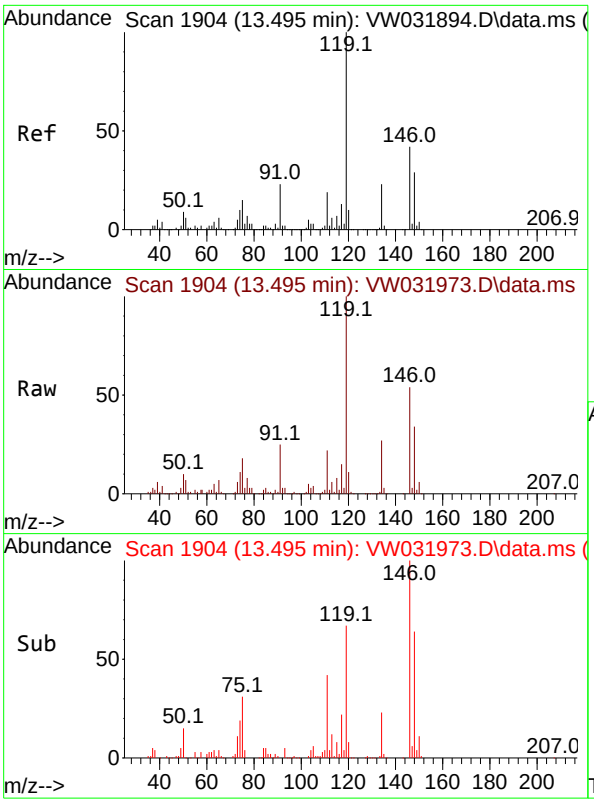


#86
p-Isopropyltoluene
Concen: 18.915 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:119 Resp: 246860

Ion	Ratio	Lower	Upper
119	100		
134	24.5	13.0	39.0
91	24.3	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 20.288 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

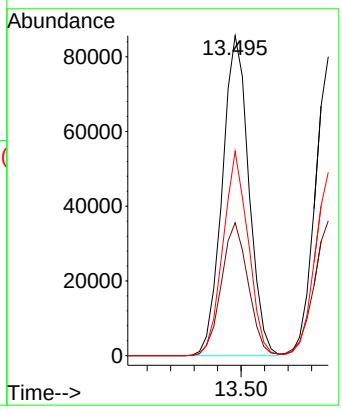
Tgt Ion:146 Resp: 13447

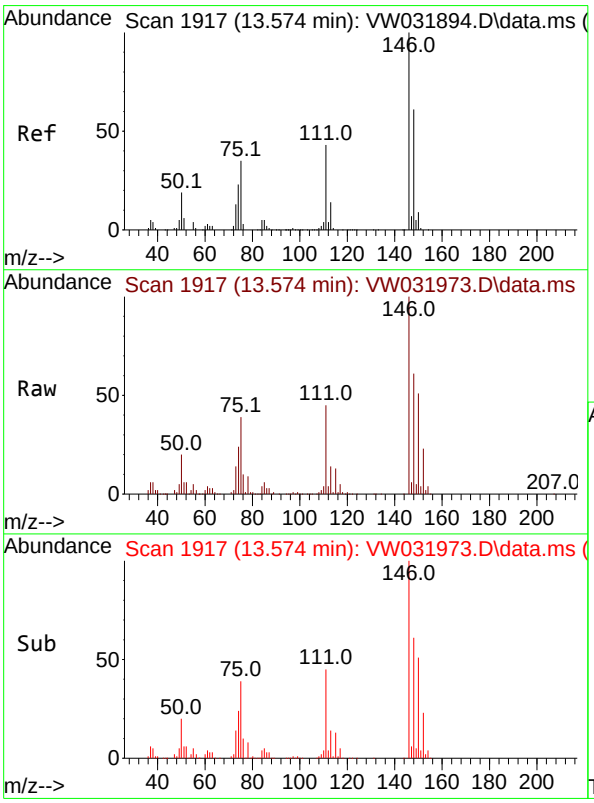
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.9	65.7
148	60.6	31.9	95.5

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

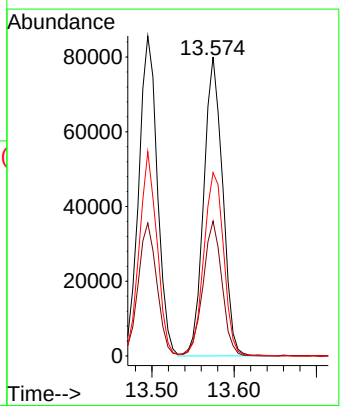


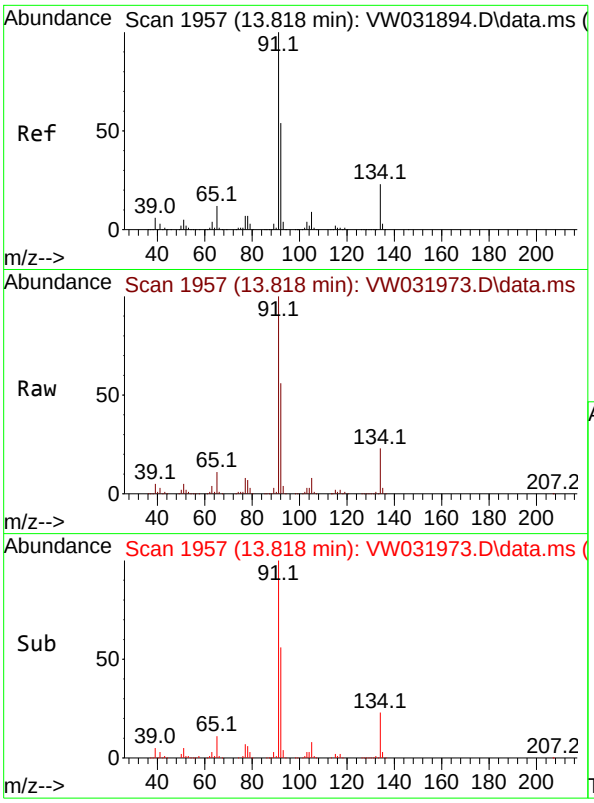


#88
1,4-Dichlorobenzene
Concen: 19.618 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:146 Resp: 127388

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.1	66.3
148	64.7	31.8	95.3





#89
n-Butylbenzene
Concen: 18.637 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

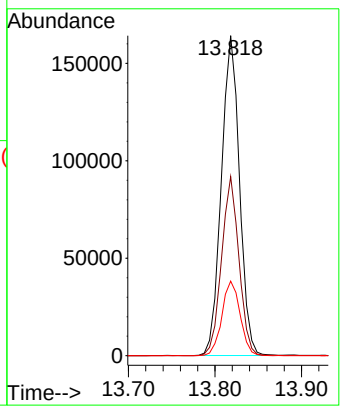
Tgt Ion: 91 Resp: 23859

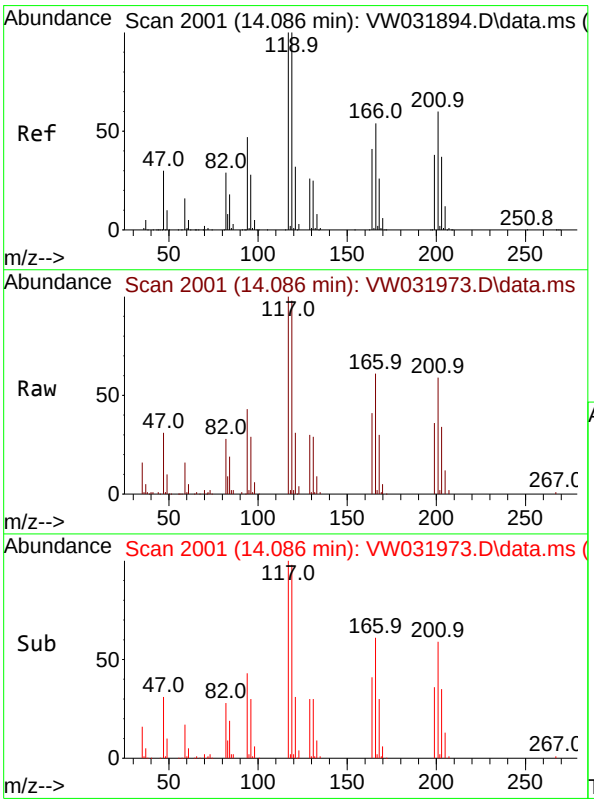
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.5
134	23.5	11.6	34.7

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

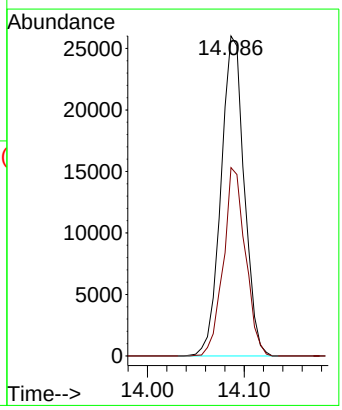


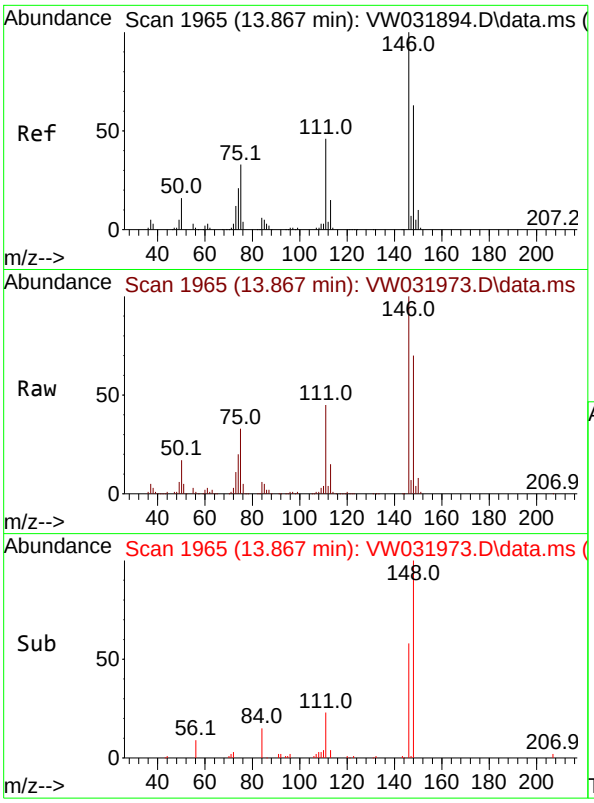


#90
Hexachloroethane
Concen: 19.179 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:117 Resp: 43282

Ion	Ratio	Lower	Upper
117	100		
201	55.9	28.4	85.2

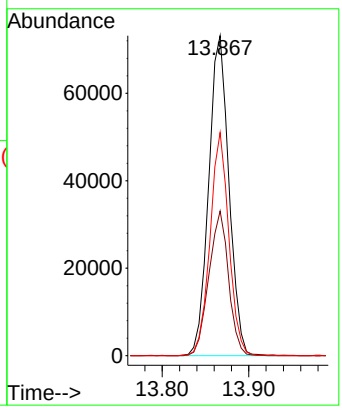




#91
1,2-Dichlorobenzene
Concen: 20.194 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:146 Resp: 11863

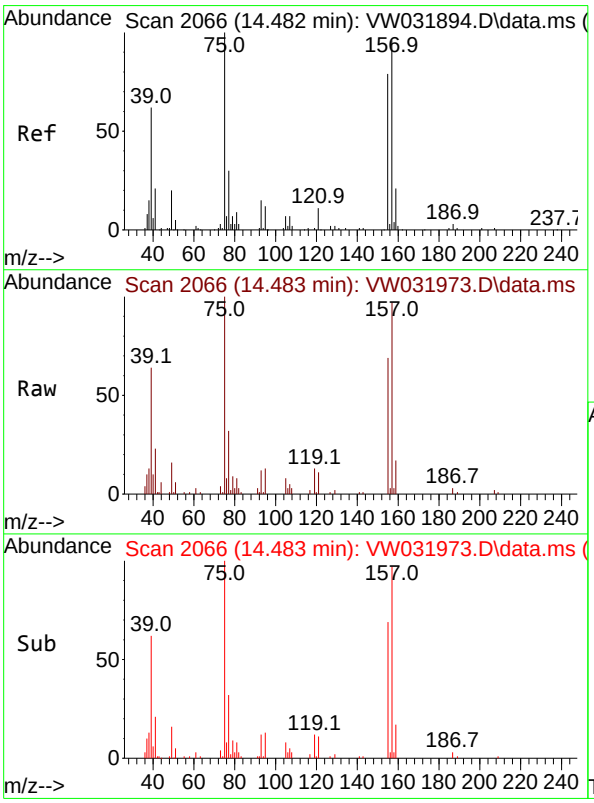
Ion	Ratio	Lower	Upper
146	100		
111	43.9	23.6	71.0
148	65.0	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

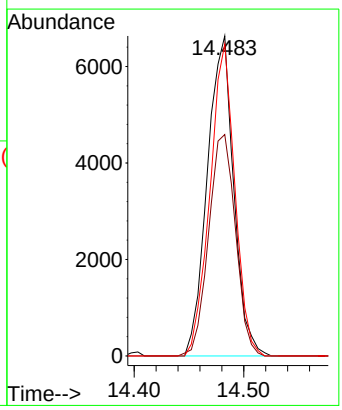
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

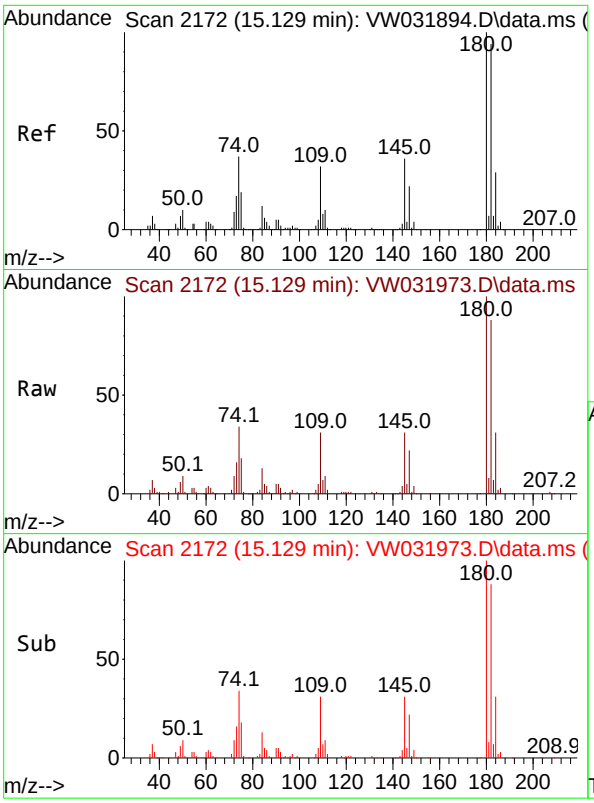


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.611 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 11068

Ion	Ratio	Lower	Upper
75	100		
155	70.5	35.9	107.7
157	92.1	47.4	142.2





#93
1,2,4-Trichlorobenzene
Concen: 18.790 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

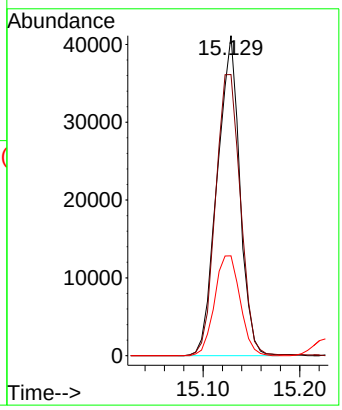
Tgt Ion:180 Resp: 6656

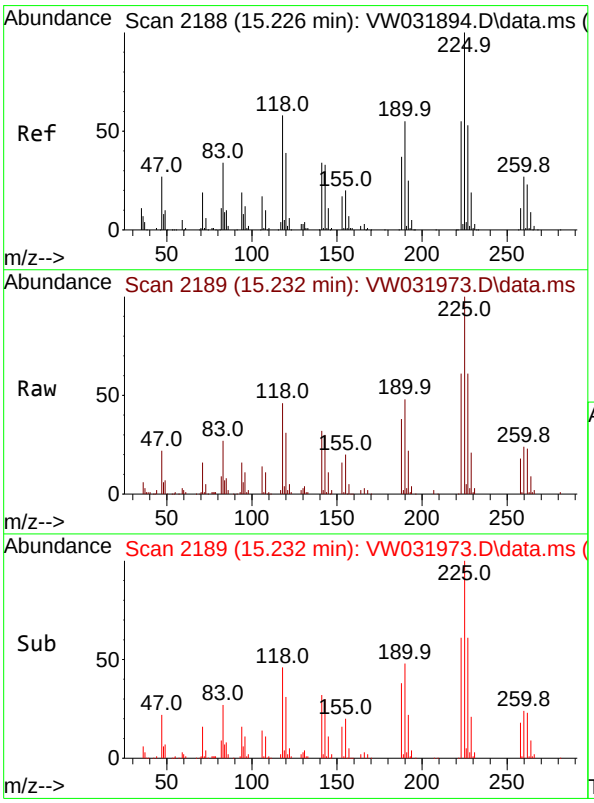
Ion	Ratio	Lower	Upper
180	100		
182	96.8	51.0	153.1
145	35.3	18.4	55.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

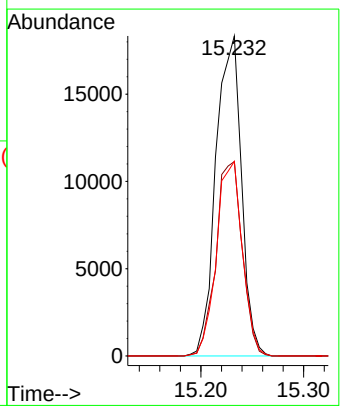


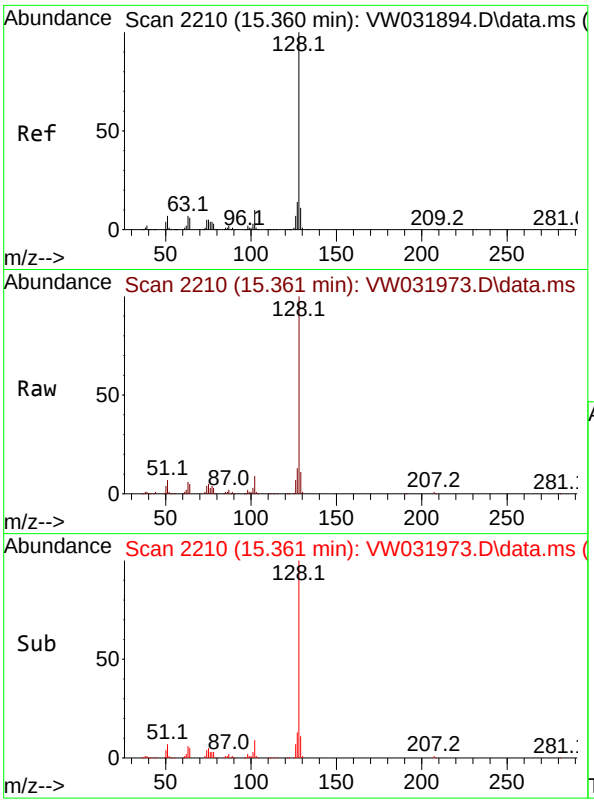


#94
Hexachlorobutadiene
Concen: 18.782 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:225 Resp: 31530

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	61.8	30.0	90.1

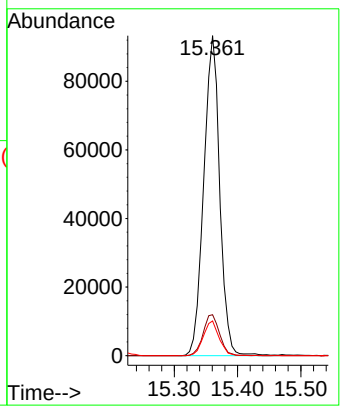




#95
Naphthalene
Concen: 18.820 ug/l
RT: 15.361 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:128 Resp: 16392

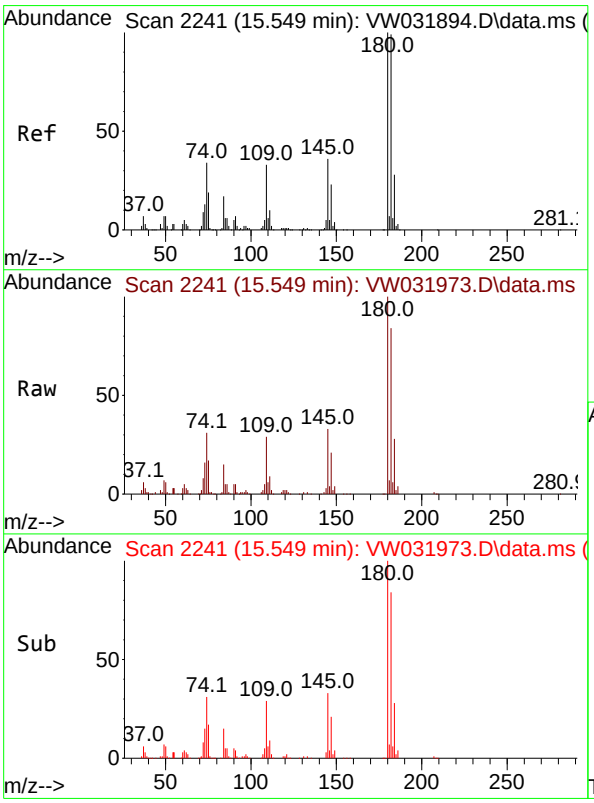
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.7	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations
APPROVED

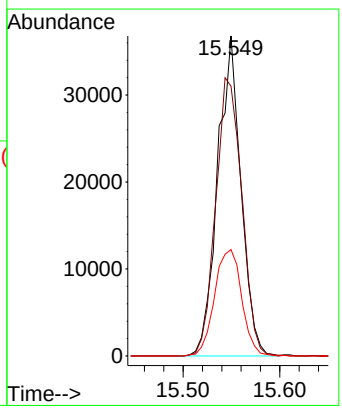
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.207 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:180 Resp: 61654

Ion	Ratio	Lower	Upper
180	100		
182	97.2	50.4	151.2
145	38.6	18.6	55.8



Raw Data: **VW031989.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031989.D	1	08/04/25 10:20	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.017		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.018		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.091		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.015		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.093		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.12		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.017		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.10		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.019		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.096		0.0036	0.013	0.025	mg/Kg

Raw Data: **VW031989.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031989.D	1	08/04/25 10:20	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.099		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.059		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.018		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.019		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.019		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.018		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.019		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.018		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.018		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.018		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VW031989.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0804SBS01	SDG No.:	Q2747
Lab Sample ID:	VW0804SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031989.D	1	08/04/25 10:20	VW080425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.018		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.017		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.018		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.016		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	55.6		85 - 116		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		79 - 119		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	212000	7.959				
540-36-3	1,4-Difluorobenzene	385000	8.849				
3114-55-4	Chlorobenzene-d5	350000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.556				

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

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

Sample Results: **VW031989.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	212167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169564	52.831	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.660%			
35) Dibromofluoromethane	7.904	113	146436	55.935	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.860%			
50) Toluene-d8	10.325	98	550944	55.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.200%			
62) 4-Bromofluorobenzene	12.617	95	212555	55.869	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	27329	17.331	ug/l	98
3) Chloromethane	2.253	50	39680	19.605	ug/l	97
4) Vinyl Chloride	2.405	62	46409	17.652	ug/l	97
5) Bromomethane	2.820	94	36463	18.834	ug/l	91
6) Chloroethane	2.966	64	34529	19.899	ug/l	99
7) Trichlorofluoromethane	3.302	101	40314	15.139	ug/l	94
8) Diethyl Ether	3.716	74	32241	18.125	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	50668	19.782	ug/l	96
10) Methyl Iodide	4.308	142	72753	18.998	ug/l	98
11) Tert butyl alcohol	5.210	59	18269	96.835	ug/l #	86
12) 1,1-Dichloroethene	4.070	96	53822	19.025	ug/l	95
13) Acrolein	3.930	56	14391	46.904	ug/l	97
14) Allyl chloride	4.704	41	82355	18.700	ug/l	99
15) Acrylonitrile	5.405	53	74121	93.204	ug/l	100
16) Acetone	4.167	43	92848	121.910	ug/l	100
17) Carbon Disulfide	4.417	76	136161	18.558	ug/l	98
18) Methyl Acetate	4.704	43	41583	19.818	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97032	19.851	ug/l	97
20) Methylene Chloride	4.954	84	64153	16.584	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	57319	19.096	ug/l	96
22) Diisopropyl ether	6.338	45	172318	19.554	ug/l	98
23) Vinyl Acetate	6.283	43	531605	92.336	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107640	19.618	ug/l	99
25) 2-Butanone	7.197	43	108535	104.155	ug/l	97
26) 2,2-Dichloropropane	7.185	77	59289	19.087	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68826	19.504	ug/l	99
28) Bromochloromethane	7.526	49	45634	19.865	ug/l	98
29) Tetrahydrofuran	7.551	42	61996	90.744	ug/l	99
30) Chloroform	7.697	83	117366	20.401	ug/l	95
31) Cyclohexane	7.972	56	88545	17.988	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	88389	20.191	ug/l	95
36) 1,1-Dichloropropene	8.100	75	79810	19.851	ug/l	99
37) Ethyl Acetate	7.277	43	42860	18.688	ug/l	99
38) Carbon Tetrachloride	8.081	117	77445	20.071	ug/l	99
39) Methylcyclohexane	9.343	83	93717	18.523	ug/l	97
40) Benzene	8.331	78	242440	20.371	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.502	41	25737	18.746 ug/l		95
42) 1,2-Dichloroethane	8.410	62	76204	20.006 ug/l		98
43) Isopropyl Acetate	8.435	43	77055	18.558 ug/l		99
44) Trichloroethene	9.099	130	57832	20.443 ug/l		97
45) 1,2-Dichloropropane	9.374	63	57900	20.201 ug/l		99
46) Dibromomethane	9.465	93	36063	20.297 ug/l		98
47) Bromodichloromethane	9.648	83	87948	20.643 ug/l		97
48) Methyl methacrylate	9.441	41	36741	18.600 ug/l		98
49) 1,4-Dioxane	9.465	88	8243	464.942 ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	217393	95.672 ug/l		99
52) Toluene	10.392	92	154561	20.202 ug/l		97
53) t-1,3-Dichloropropene	10.611	75	79291	19.401 ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	94470	20.241 ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	47999	20.338 ug/l		95
56) Ethyl methacrylate	10.648	69	63067	18.921 ug/l		98
57) 1,3-Dichloropropane	10.934	76	83414	20.062 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	165236	96.510 ug/l		98
59) 2-Hexanone	10.971	43	156530	99.104 ug/l		99
60) Dibromochloromethane	11.129	129	56702	20.606 ug/l		97
61) 1,2-Dibromoethane	11.233	107	45932	19.696 ug/l		95
64) Tetrachloroethene	10.861	164	47201	20.468 ug/l	#	82
65) Chlorobenzene	11.660	112	167687	19.588 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.733	131	53288	20.079 ug/l		98
67) Ethyl Benzene	11.733	91	290411	19.308 ug/l		94
68) m/p-Xylenes	11.837	106	223663	39.501 ug/l		99
69) o-Xylene	12.166	106	105502	19.689 ug/l		98
70) Styrene	12.178	104	184175	20.187 ug/l		98
71) Bromoform	12.349	173	28030	19.312 ug/l	#	96
73) Isopropylbenzene	12.465	105	272143	18.388 ug/l		99
74) N-amyl acetate	12.270	43	70193	17.543 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	58156	18.512 ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	42807m	18.177 ug/l		
77) Bromobenzene	12.745	156	64098	20.016 ug/l		88
78) n-propylbenzene	12.800	91	338399	18.616 ug/l		98
79) 2-Chlorotoluene	12.891	91	203033	18.707 ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	224663	18.099 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	16672	16.344 ug/l		91
82) 4-Chlorotoluene	12.983	91	216191	18.988 ug/l		100
83) tert-Butylbenzene	13.202	119	198880	18.810 ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	227134	18.079 ug/l		95
85) sec-Butylbenzene	13.379	105	288056	18.141 ug/l		98
86) p-Isopropyltoluene	13.495	119	241954	18.436 ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	128413	19.264 ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	126546	19.379 ug/l		98
89) n-Butylbenzene	13.818	91	234020	18.177 ug/l		99
90) Hexachloroethane	14.086	117	42519	18.736 ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	116699	19.754 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9814	17.291 ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	70374	19.753 ug/l		92
94) Hexachlorobutadiene	15.226	225	30332	17.967 ug/l		94
95) Naphthalene	15.360	128	155462	17.749 ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	60864	18.855 ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

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

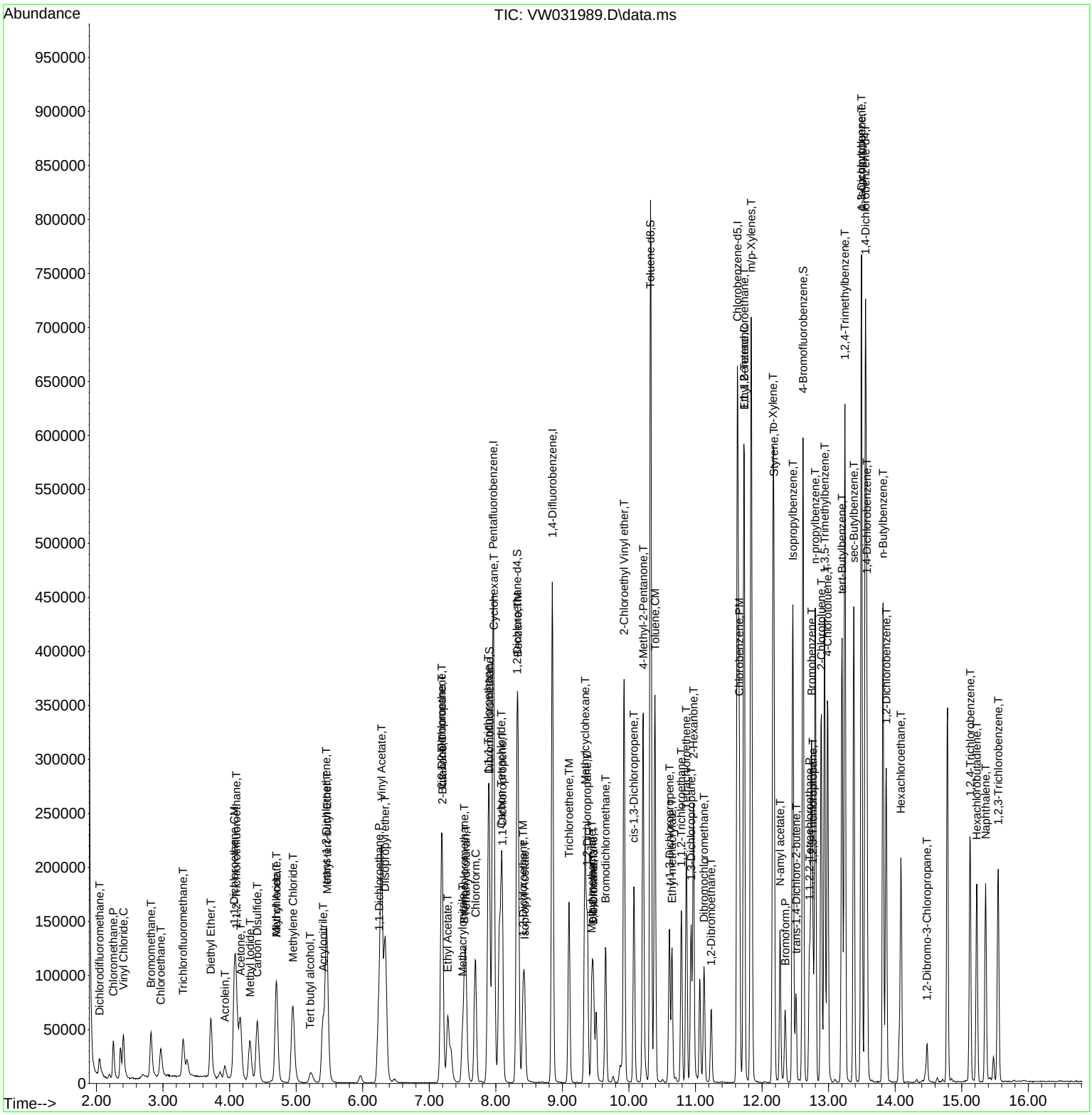
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

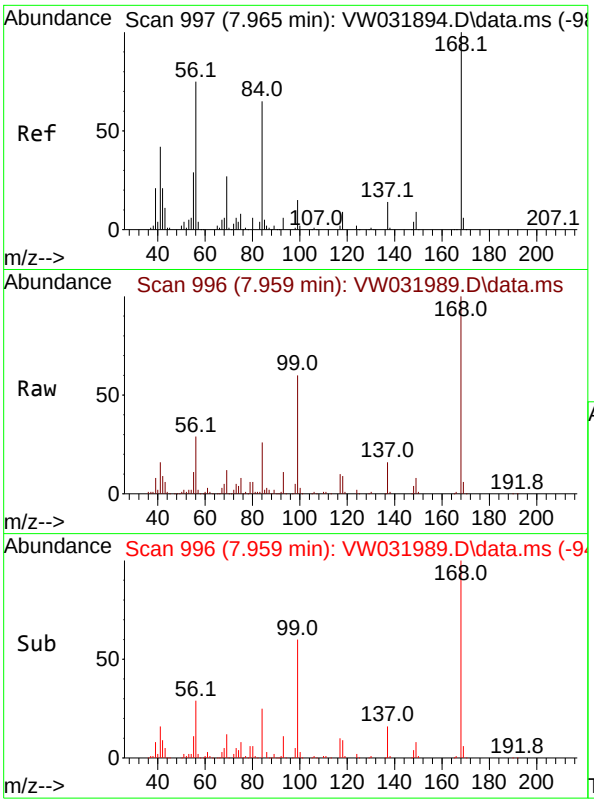
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

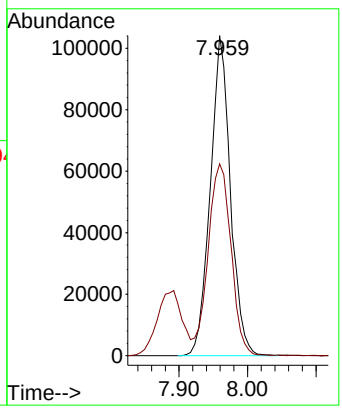




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:168 Resp: 21216

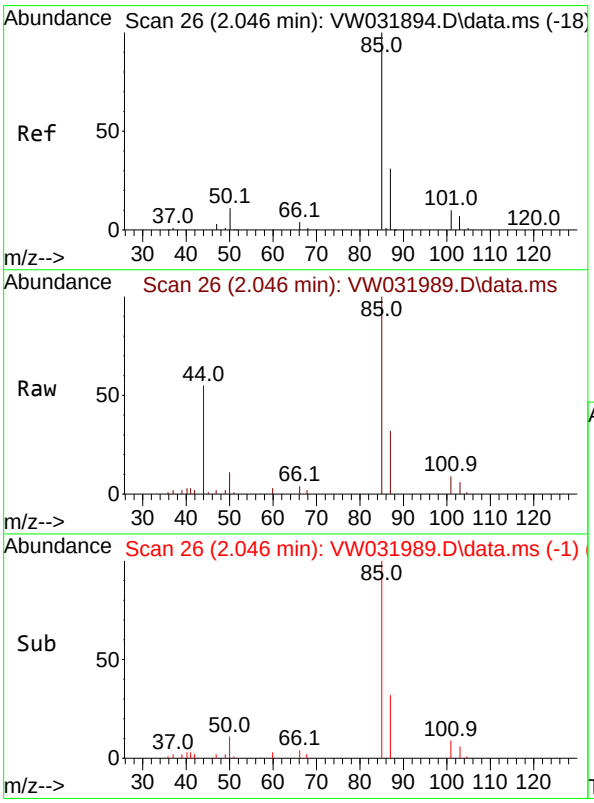
Ion	Ratio	Lower	Upper
168	100		
99	59.7	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

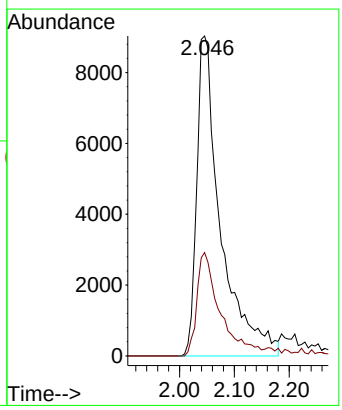
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

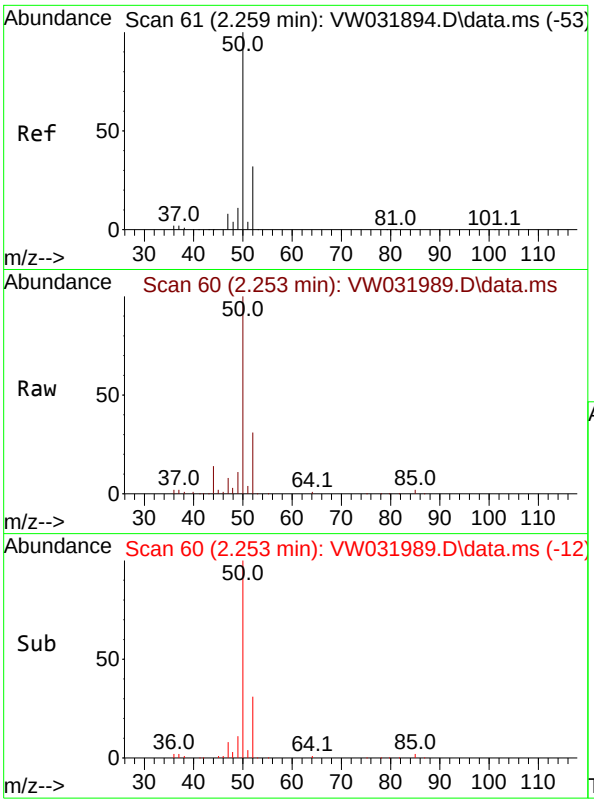


#2
Dichlorodifluoromethane
Concen: 17.331 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 85 Resp: 27329

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.5	46.5

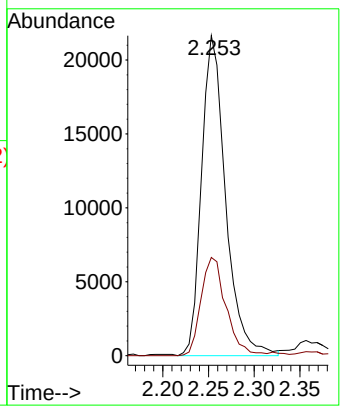




#3
Chloromethane
Concen: 19.605 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 50 Resp: 3968

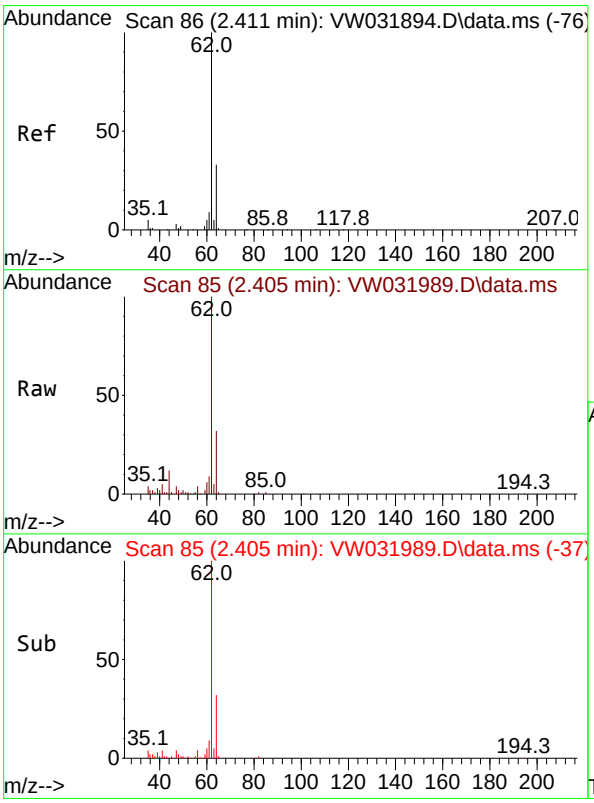
Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

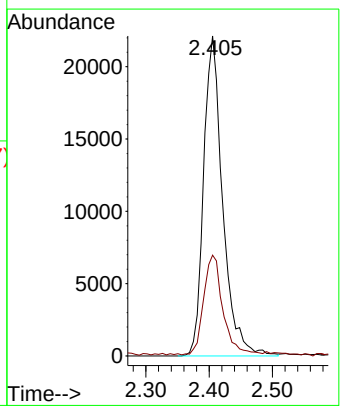
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

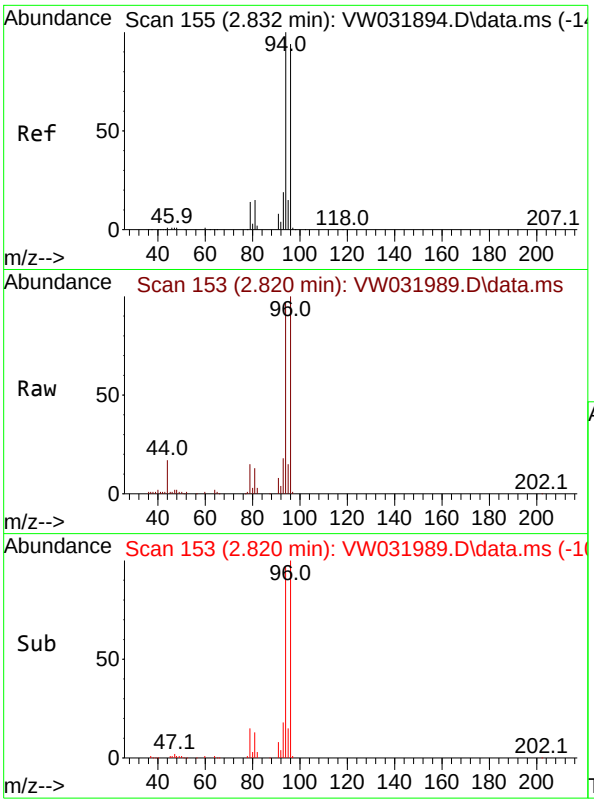


#4
Vinyl Chloride
Concen: 17.652 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 62 Resp: 46409

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.2	39.2





#5
Bromomethane
Concen: 18.834 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

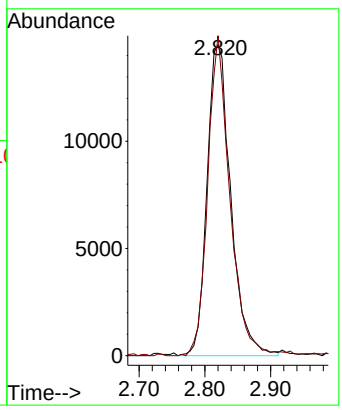
Tgt Ion: 94 Resp: 3646

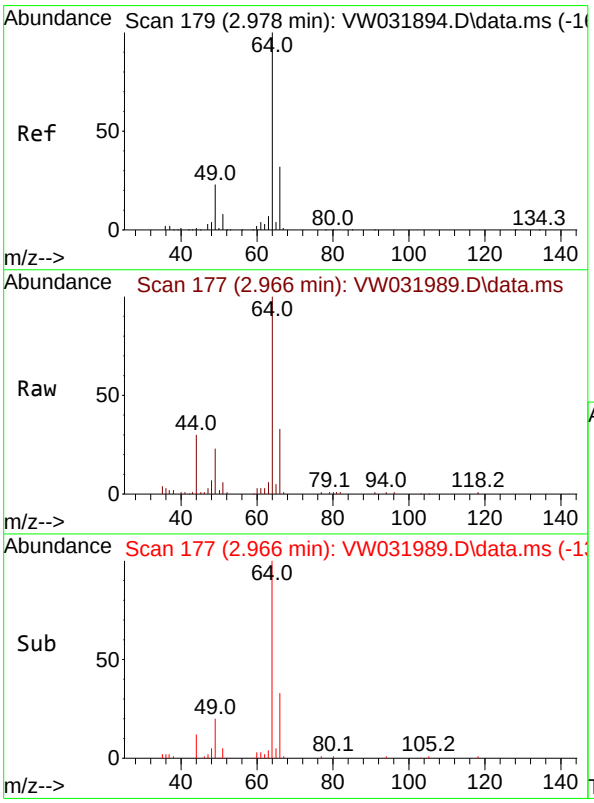
Ion	Ratio	Lower	Upper
94	100		
96	102.9	75.0	112.6

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

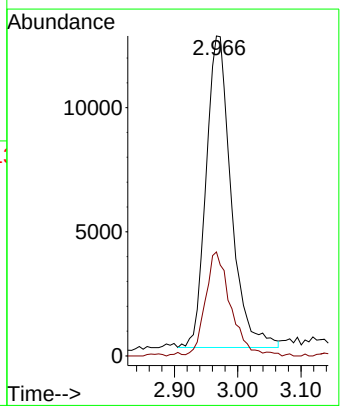


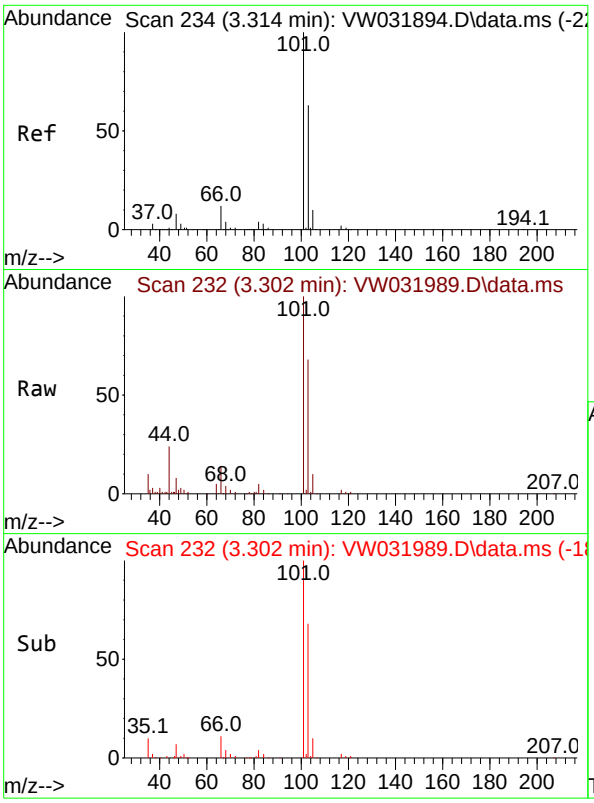


#6
Chloroethane
Concen: 19.899 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 64 Resp: 34529

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.6	38.4





#7
Trichlorofluoromethane
Concen: 15.139 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

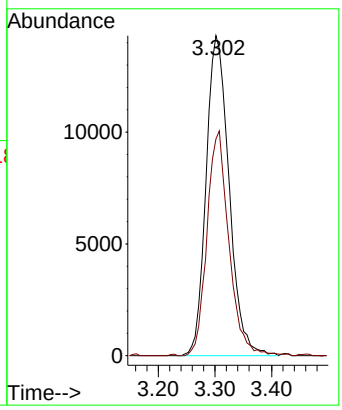
Tgt Ion:101 Resp: 4031

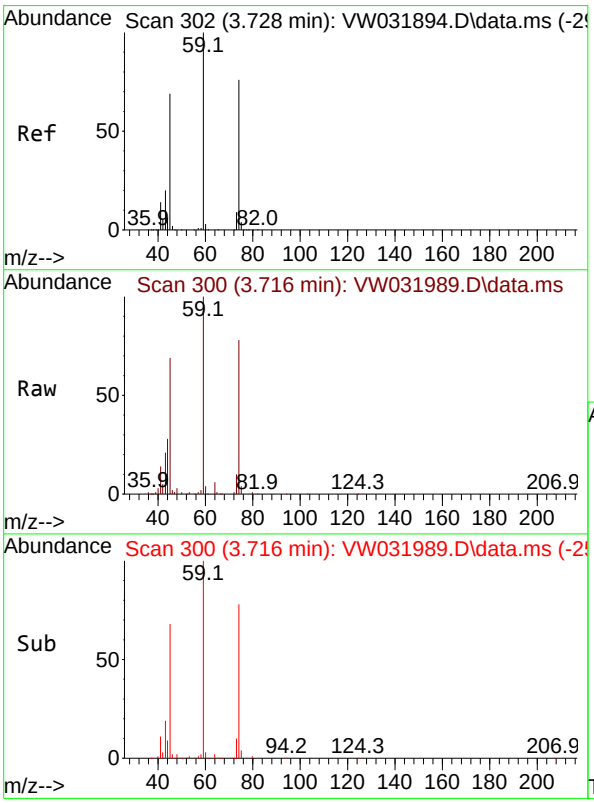
Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.7	76.1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
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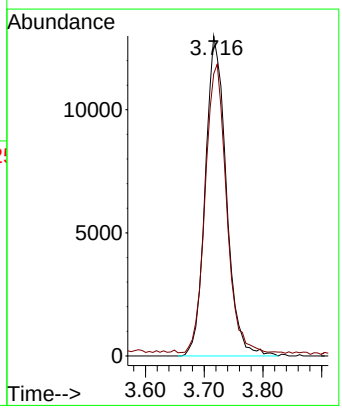


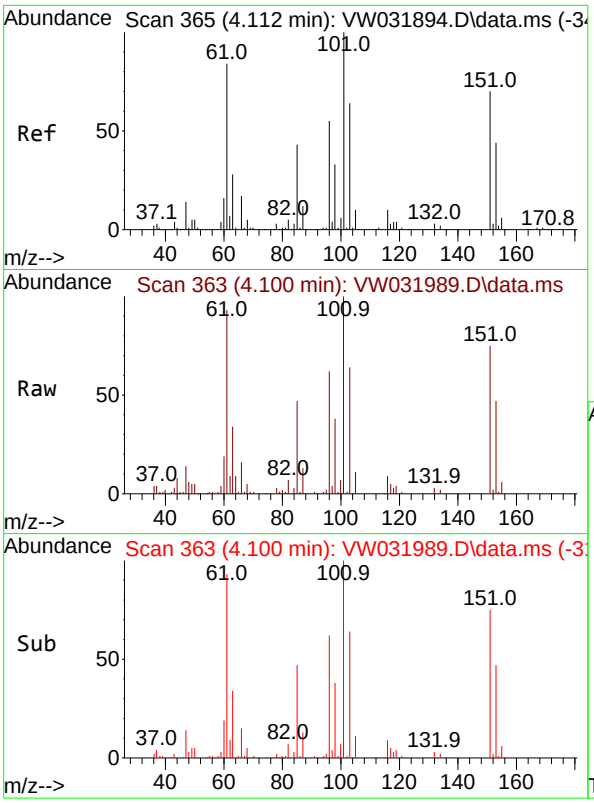


#8
Diethyl Ether
Concen: 18.125 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 74 Resp: 32241

Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.782 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

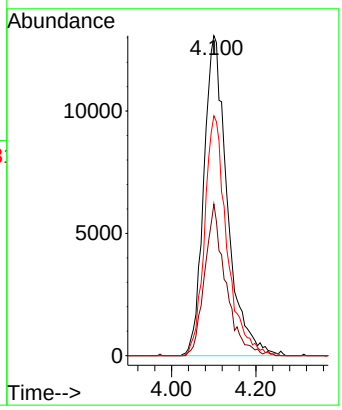
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

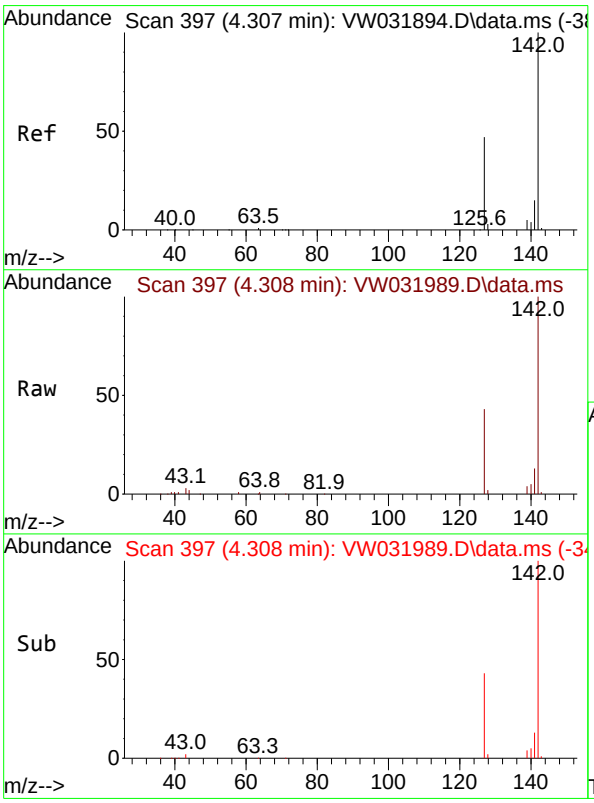
Tgt Ion:101 Resp: 5066

Ion	Ratio	Lower	Upper
101	100		
85	42.4	35.5	53.3
151	71.5	54.6	81.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

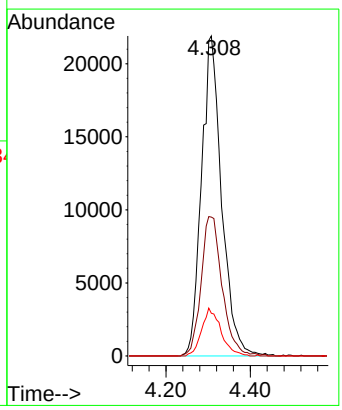


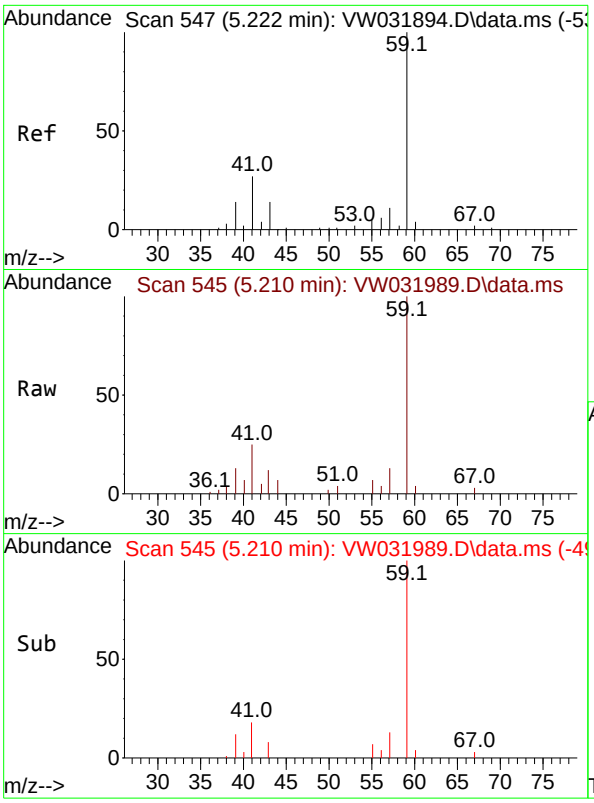


#10
Methyl Iodide
Concen: 18.998 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:142 Resp: 72753

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.4	56.2
141	14.3	11.9	17.9





#11
Tert butyl alcohol
Concen: 96.835 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

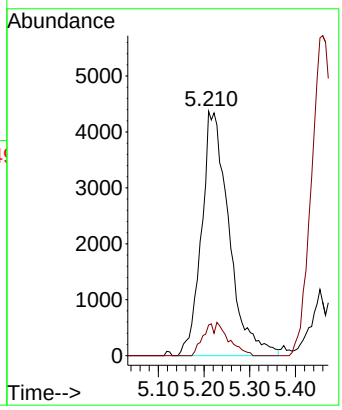
Tgt Ion: 59 Resp: 1826

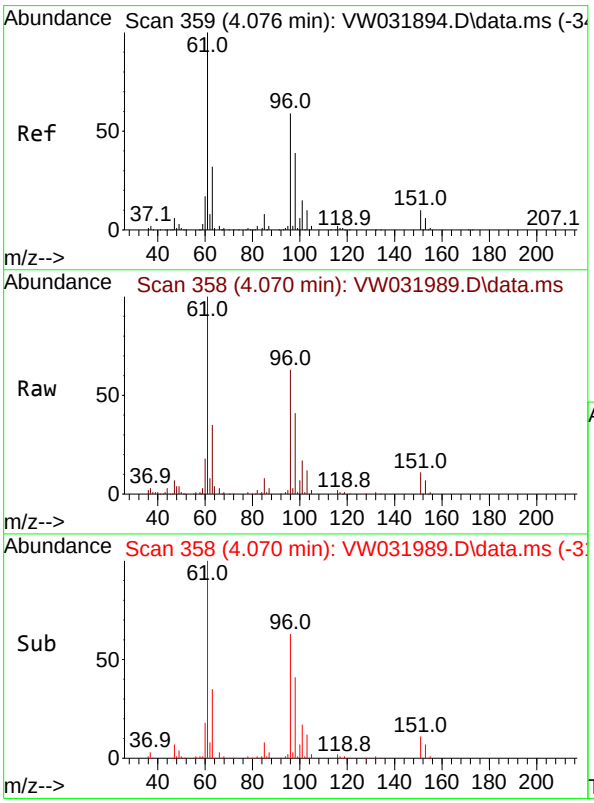
Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.6	12.8

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

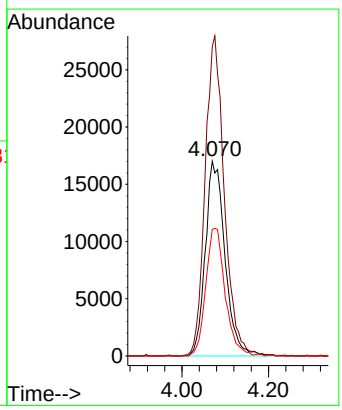


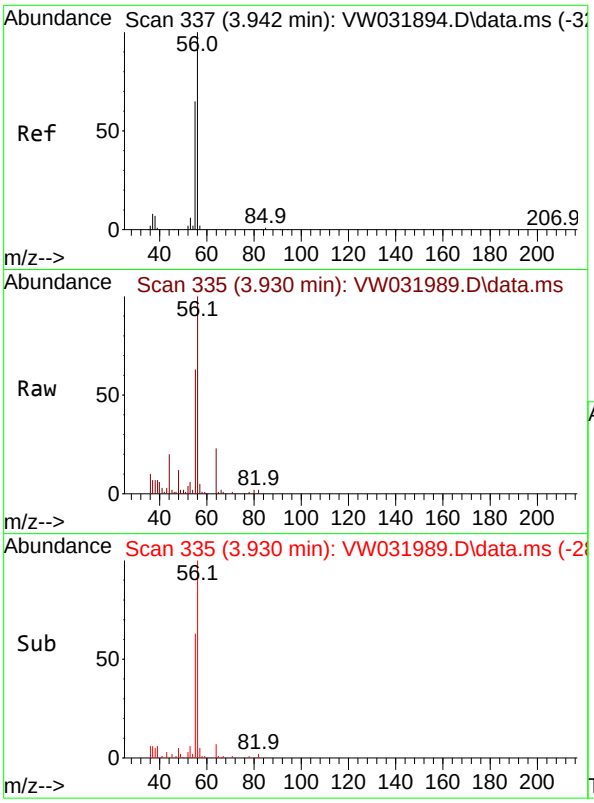


#12
1,1-Dichloroethene
Concen: 19.025 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 96 Resp: 53822

Ion	Ratio	Lower	Upper
96	100		
61	158.8	135.0	202.6
98	65.0	52.3	78.5





#13
Acrolein
Concen: 46.904 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

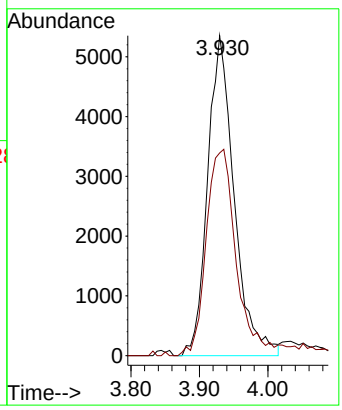
Tgt Ion: 56 Resp: 1439

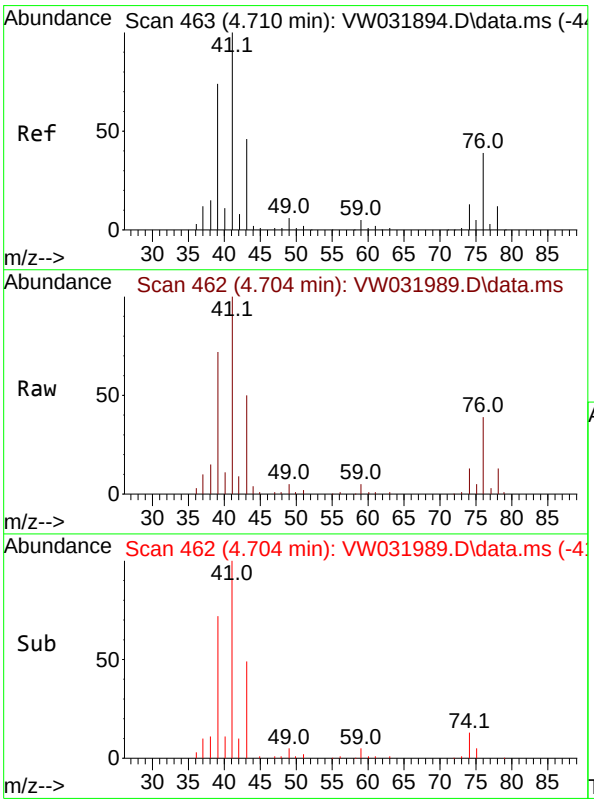
Ion	Ratio	Lower	Upper
56	100		
55	73.7	56.7	85.1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

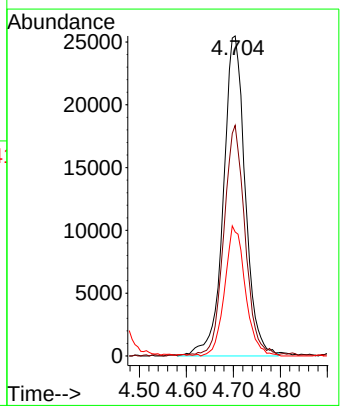


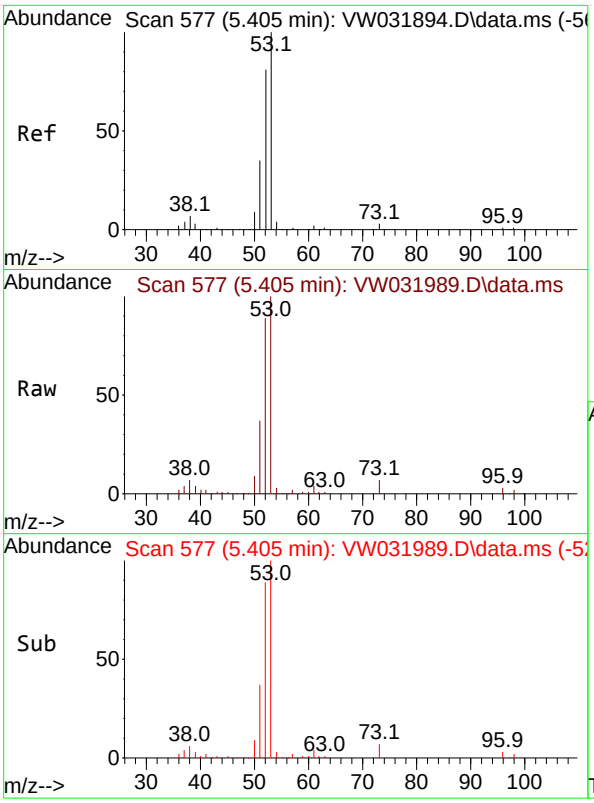


#14
Allyl chloride
Concen: 18.700 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 41 Resp: 82355

Ion	Ratio	Lower	Upper
41	100		
39	70.5	56.6	85.0
76	38.3	30.1	45.1

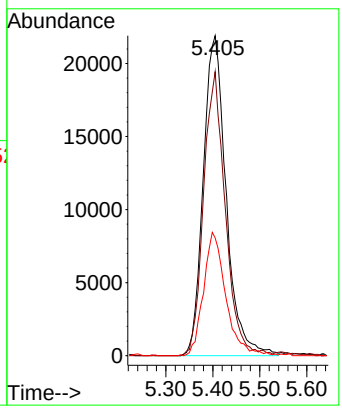




#15
Acrylonitrile
Concen: 93.204 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 53 Resp: 7412

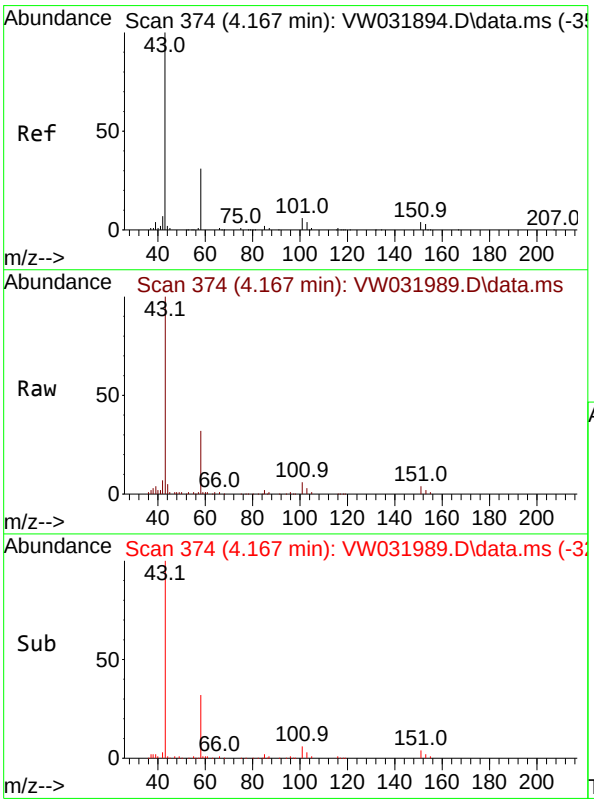
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.0	100.4
51	37.5	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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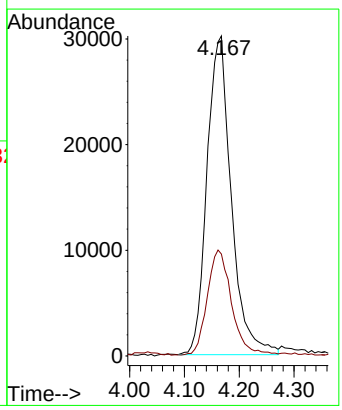
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

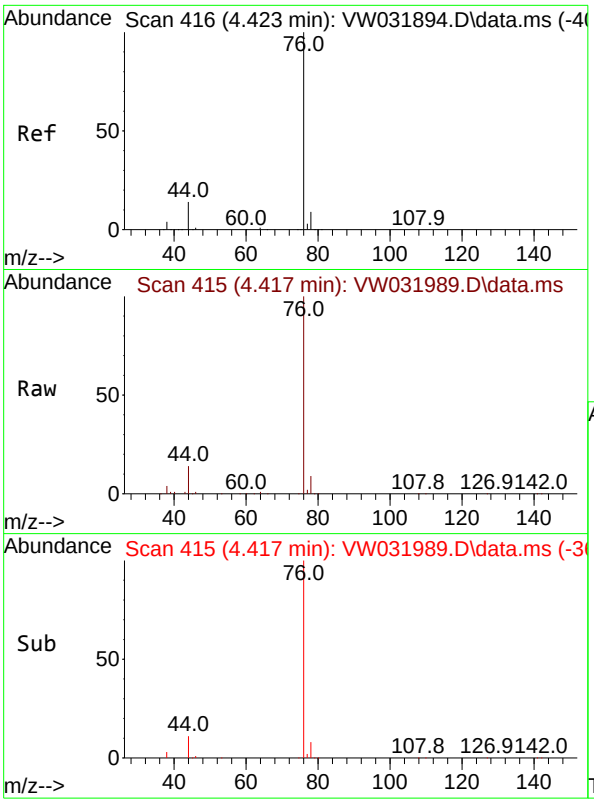


#16
Acetone
Concen: 121.910 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 92848

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.5	38.3





#17
Carbon Disulfide
Concen: 18.558 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

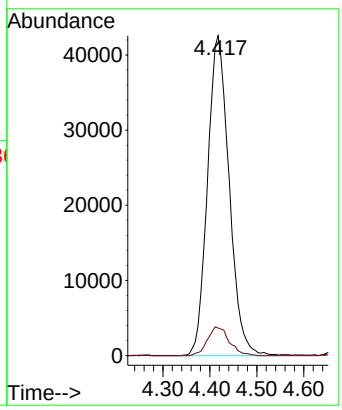
Tgt Ion: 76 Resp: 13616

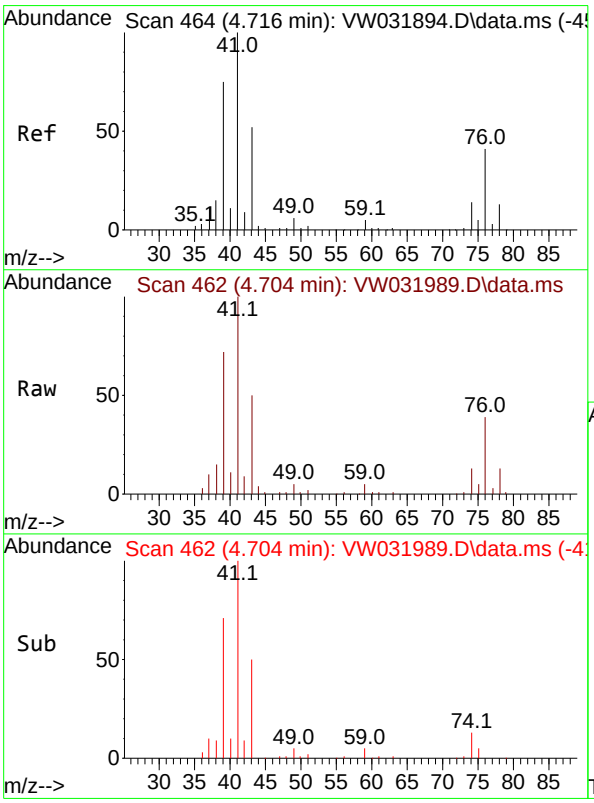
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

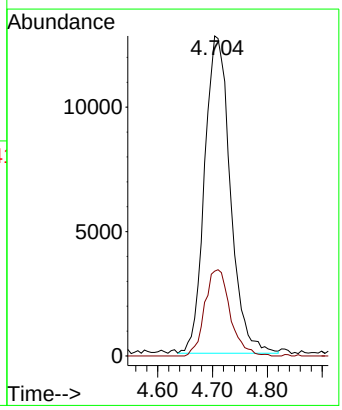


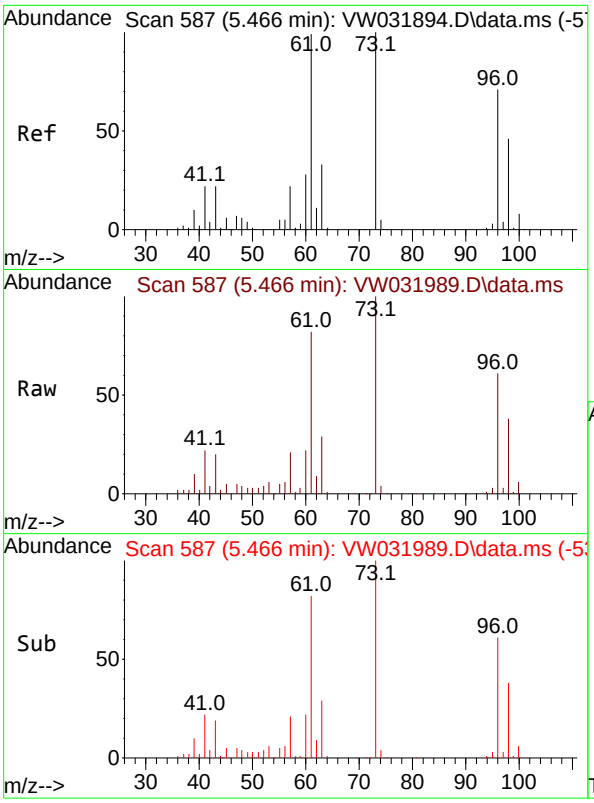


#18
Methyl Acetate
Concen: 19.818 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 41583

Ion	Ratio	Lower	Upper
43	100		
74	26.8	20.6	31.0

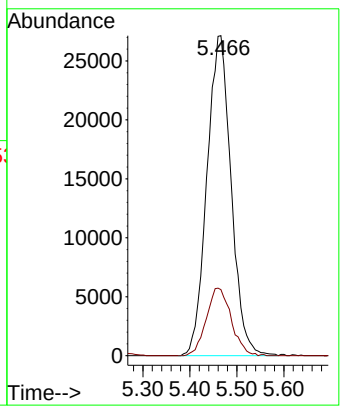




#19
Methyl tert-butyl Ether
Concen: 19.851 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 73 Resp: 9703

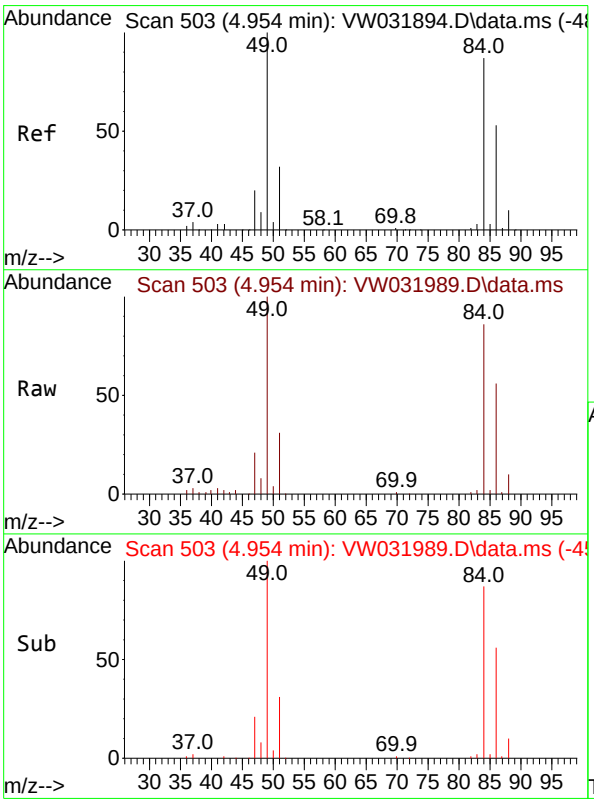
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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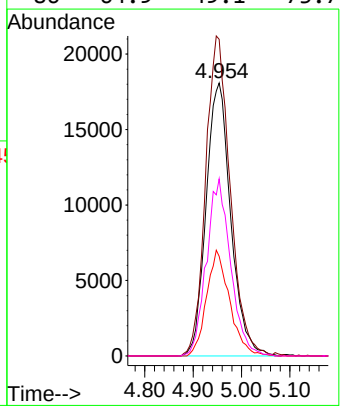
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

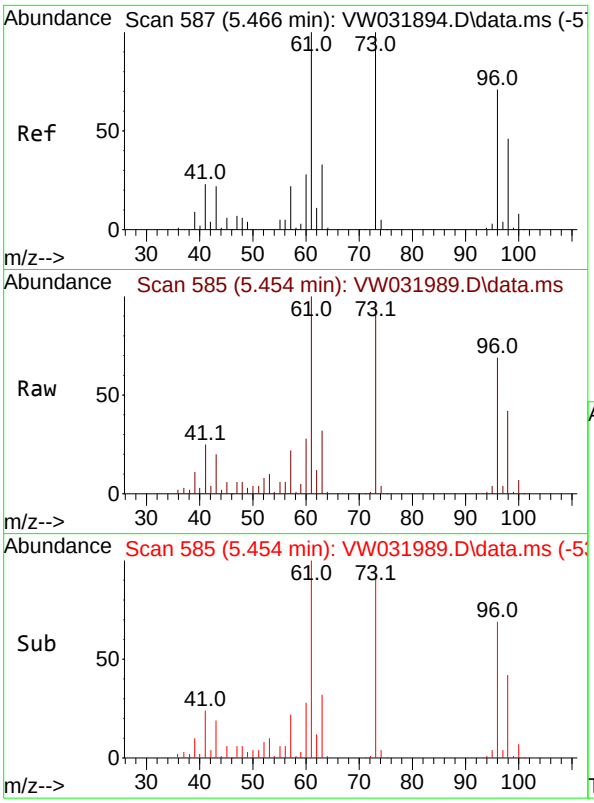


#20
Methylene Chloride
Concen: 16.584 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 84 Resp: 64153

Ion	Ratio	Lower	Upper
84	100		
49	116.0	91.9	137.9
51	36.5	29.0	43.6
86	64.9	49.1	73.7

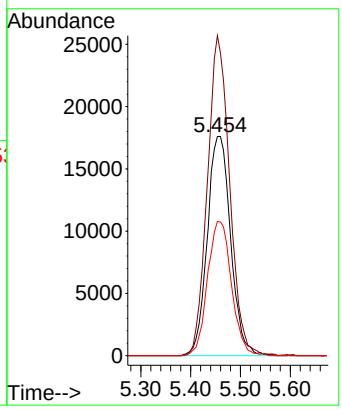




#21
trans-1,2-Dichloroethene
Concen: 19.096 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 96 Resp: 5731

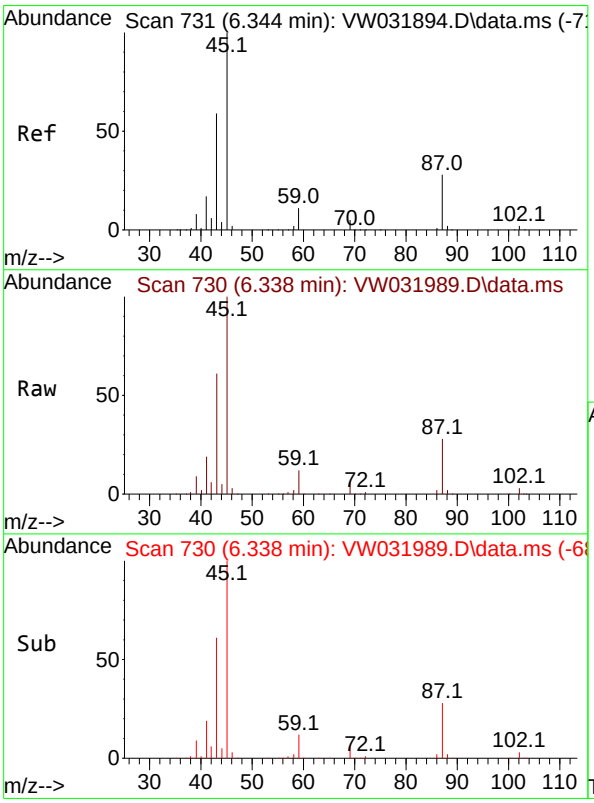
Ion	Ratio	Lower	Upper
96	100		
61	145.9	112.8	169.2
98	61.2	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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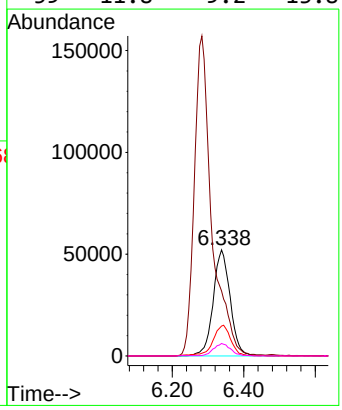
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

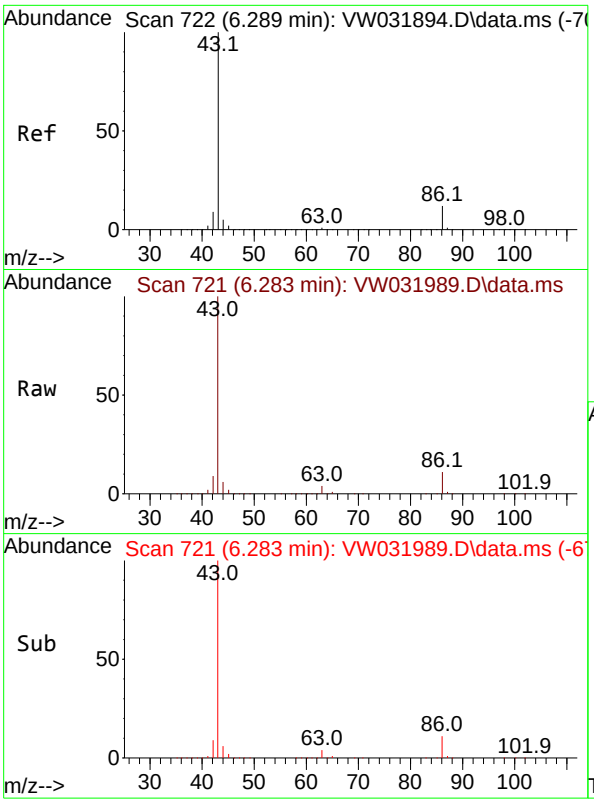


#22
Diisopropyl ether
Concen: 19.554 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 45 Resp: 172318

Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.0	70.6
87	28.1	22.8	34.2
59	11.8	9.2	13.8





#23
Vinyl Acetate
Concen: 92.336 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

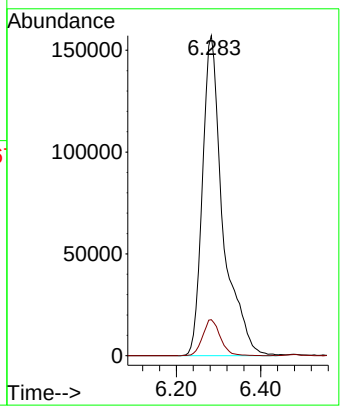
Tgt Ion: 43 Resp: 53160

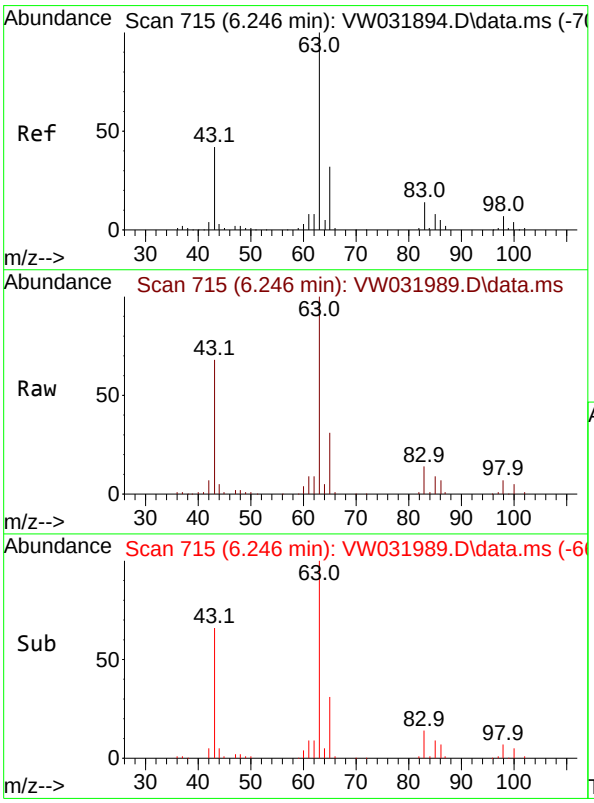
Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

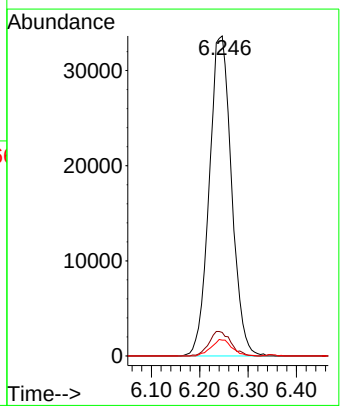


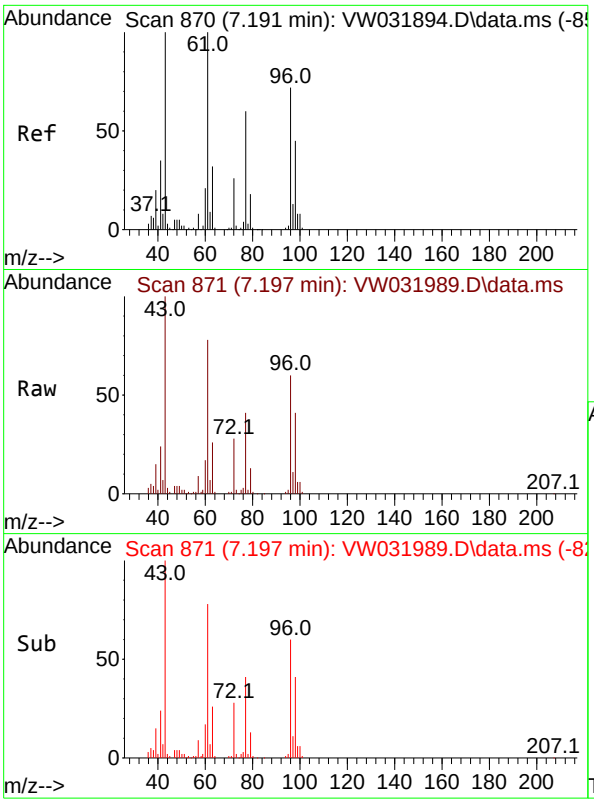


#24
1,1-Dichloroethane
Concen: 19.618 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 63 Resp: 107640

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.9
100	4.9	2.2	6.6





#25
2-Butanone
Concen: 104.155 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

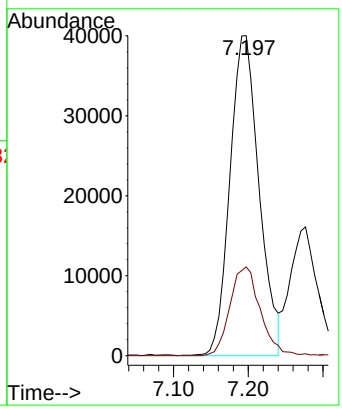
Tgt Ion: 43 Resp: 10853

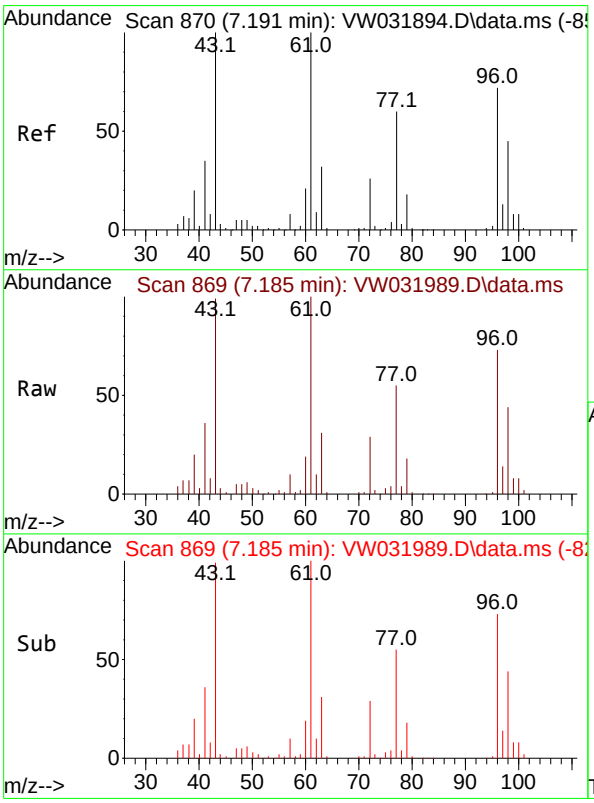
Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

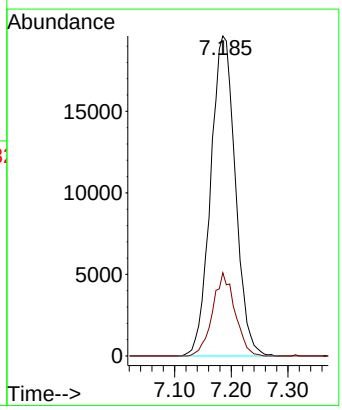


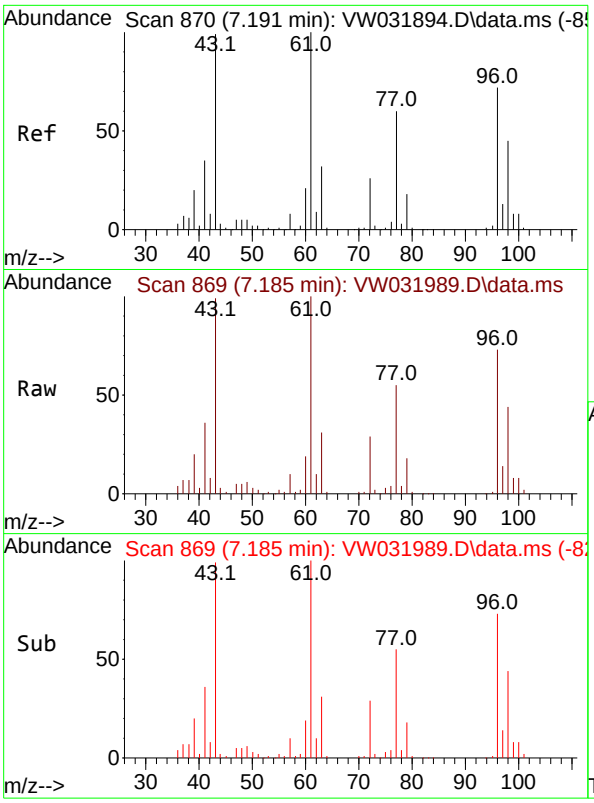


#26
2,2-Dichloropropane
Concen: 19.087 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 77 Resp: 59289

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.4	34.1





#27
cis-1,2-Dichloroethene
Concen: 19.504 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

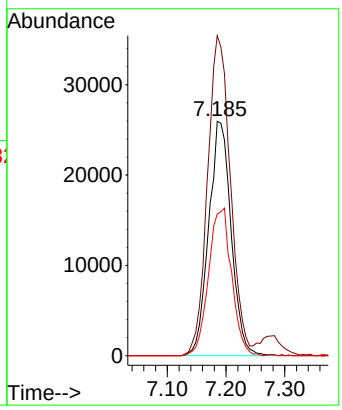
Tgt Ion: 96 Resp: 6882

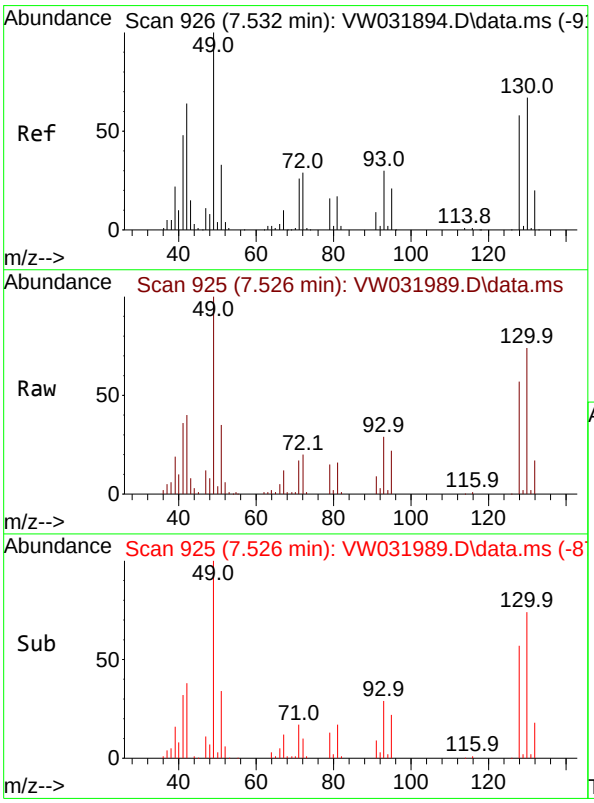
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	280.2
98	64.6	0.0	126.8

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

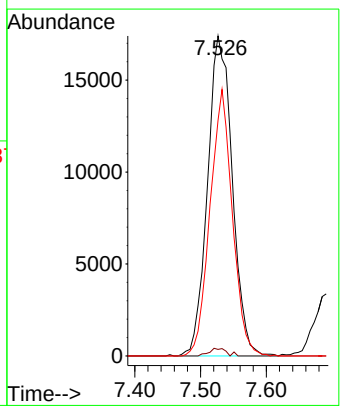


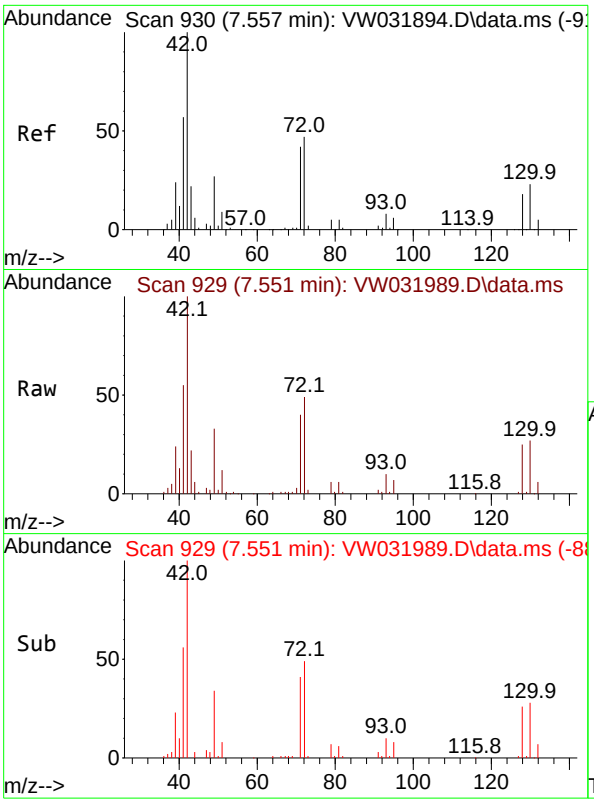


#28
Bromochloromethane
Concen: 19.865 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 49 Resp: 45634

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	75.5	59.0	88.4





#29
Tetrahydrofuran
Concen: 90.744 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

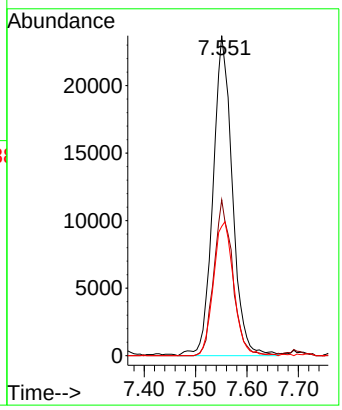
Tgt Ion: 42 Resp: 6199

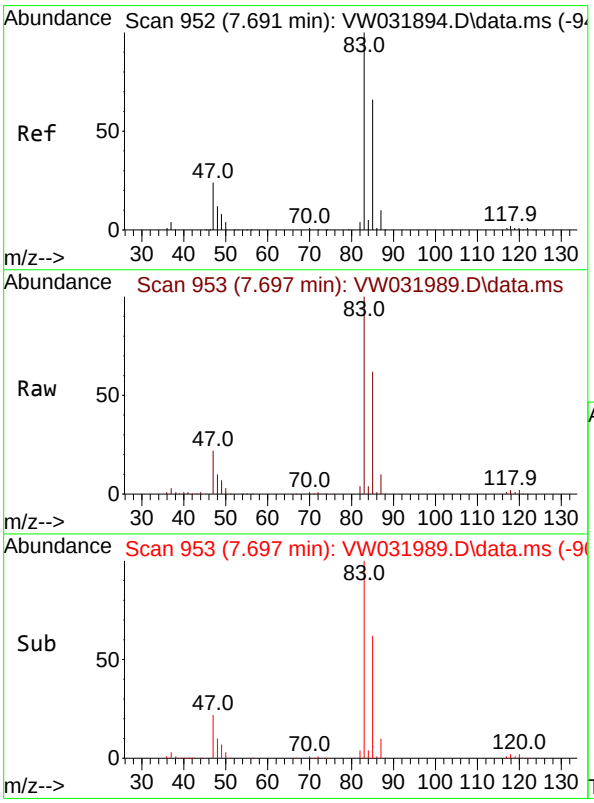
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	43.8	34.5	51.7

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

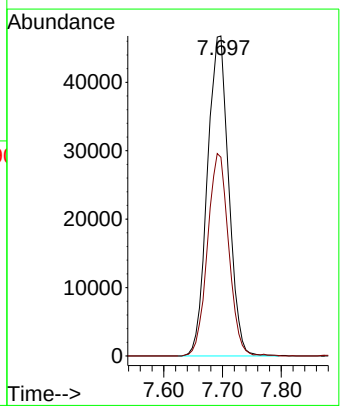


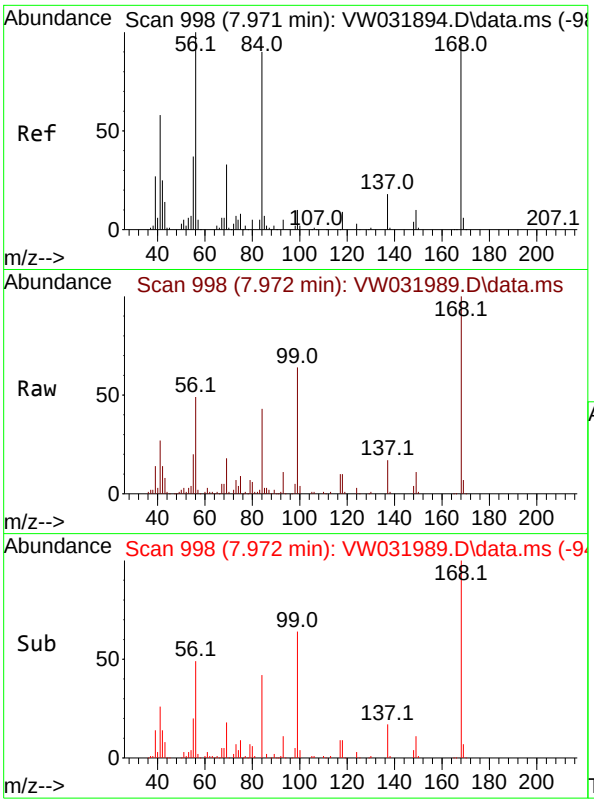


#30
Chloroform
Concen: 20.401 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 83 Resp: 117366

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	78.8

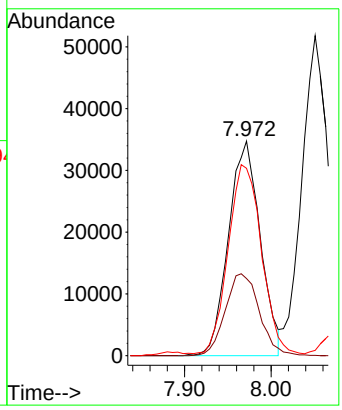




#31
Cyclohexane
Concen: 17.988 ug/l
RT: 7.972 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 56 Resp: 8854

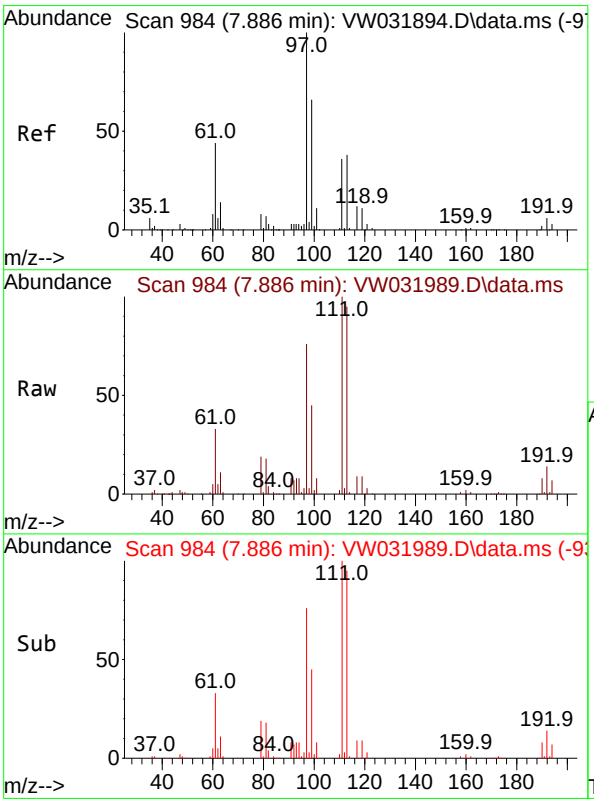
Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.7	40.1
84	85.7	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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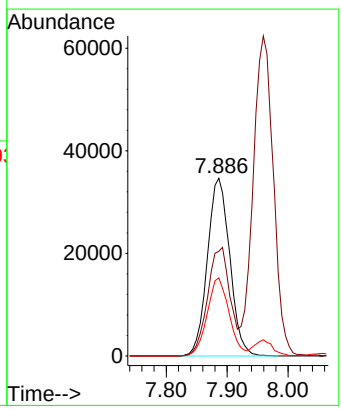
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

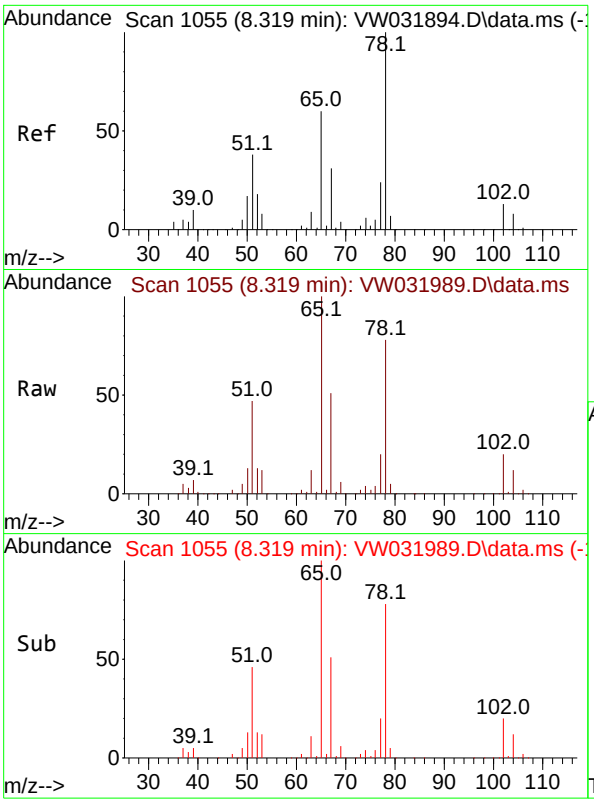


#32
1,1,1-Trichloroethane
Concen: 20.191 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 97 Resp: 88389

Ion	Ratio	Lower	Upper
97	100		
99	60.9	53.0	79.4
61	42.9	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 52.831 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

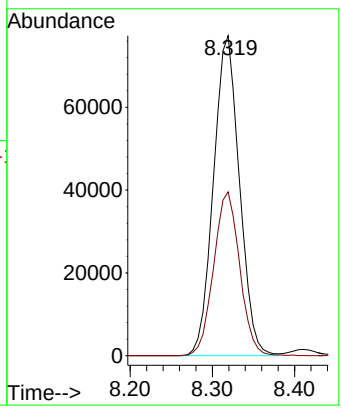
Tgt Ion: 65 Resp: 16956

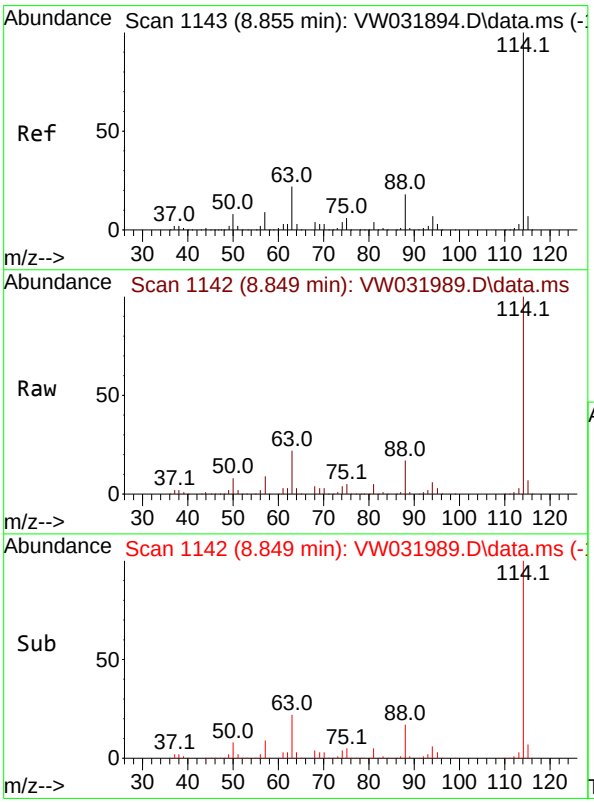
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

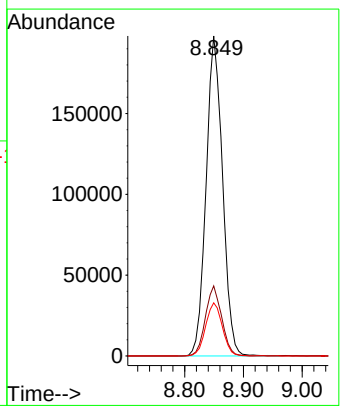


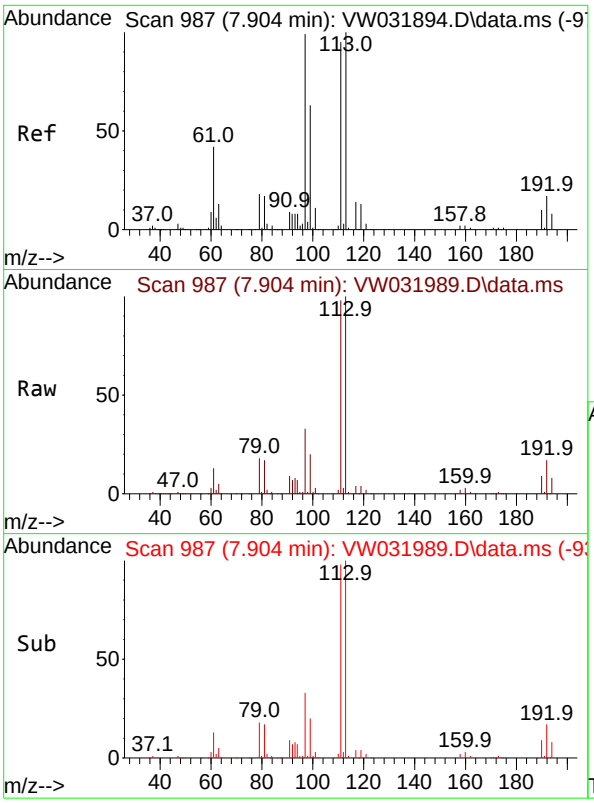


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:114 Resp: 385271

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	16.6	0.0	35.6

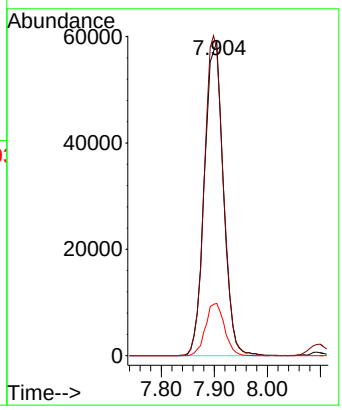




#35
Dibromofluoromethane
Concen: 55.935 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:113 Resp: 14643

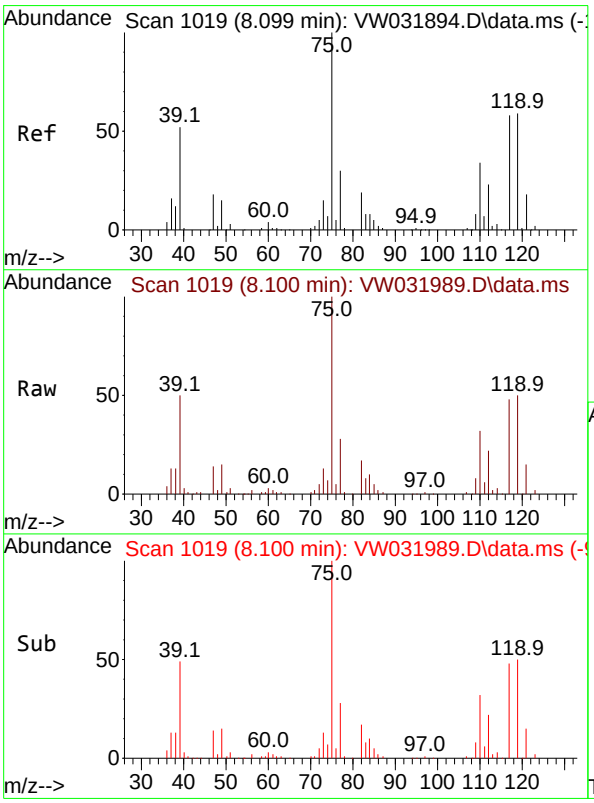
Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.9	119.9
192	16.7	12.6	19.0



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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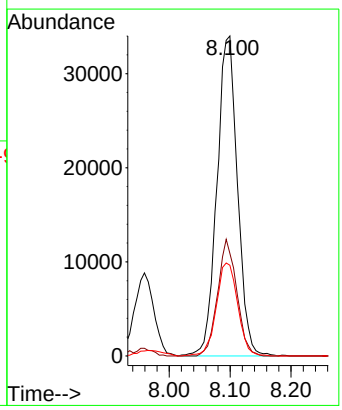
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

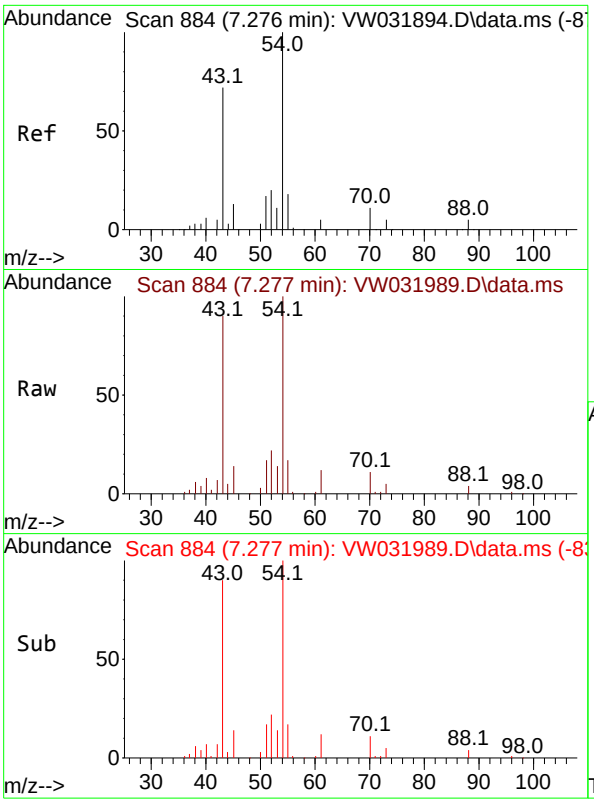


#36
1,1-Dichloropropene
Concen: 19.851 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 79810

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.0	50.9
77	30.3	25.1	37.7





#37
Ethyl Acetate
Concen: 18.688 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

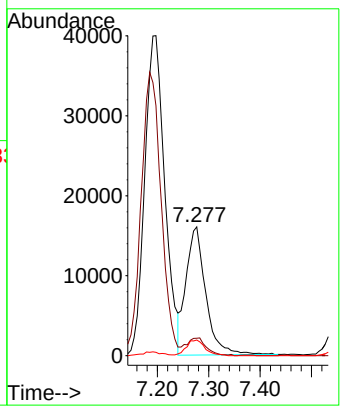
Tgt Ion: 43 Resp: 4286

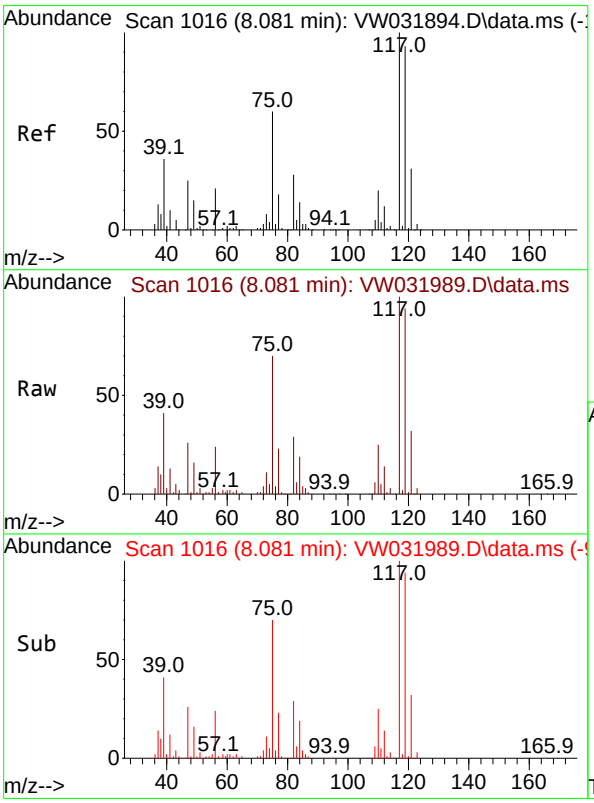
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	11.5	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

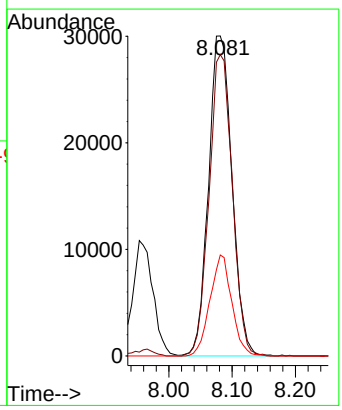


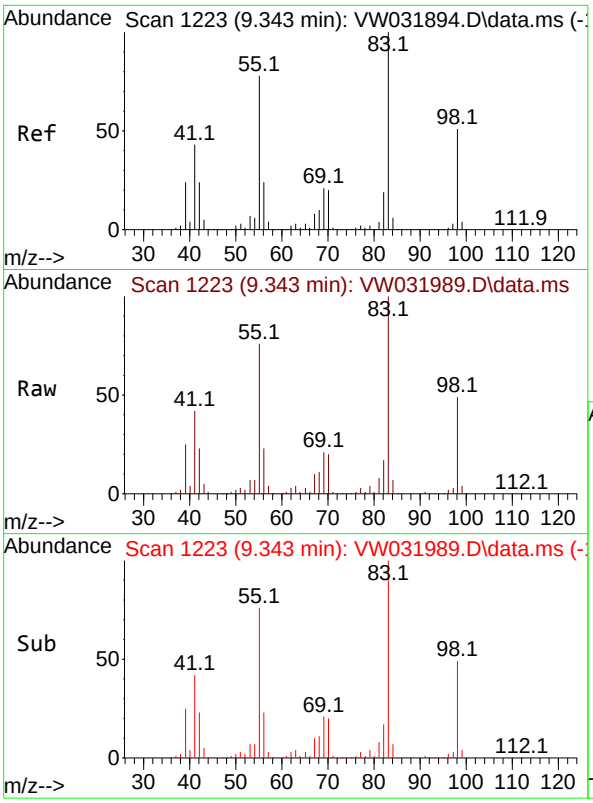


#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:117 Resp: 77445

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.3	111.5
121	31.5	24.6	37.0

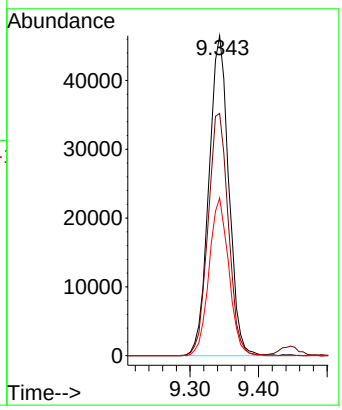




#39
Methylcyclohexane
Concen: 18.523 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 83 Resp: 9371

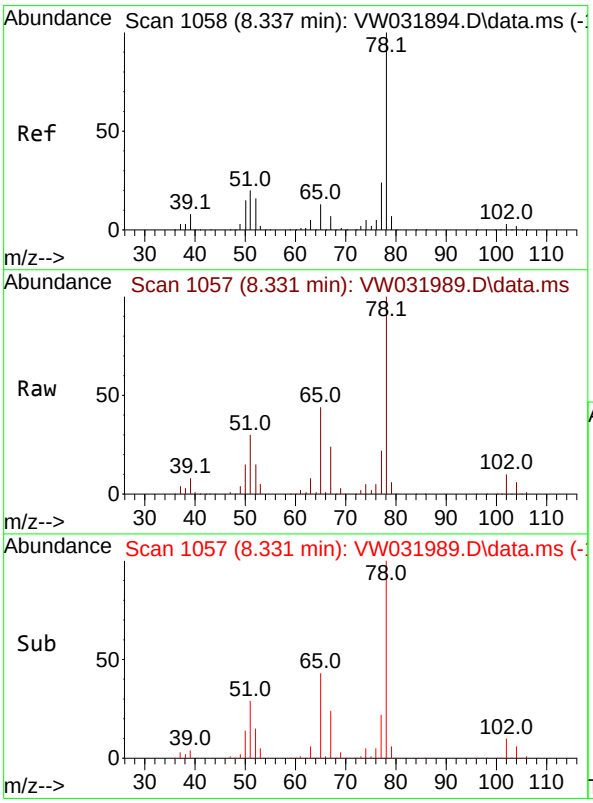
Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.5	93.7
98	49.3	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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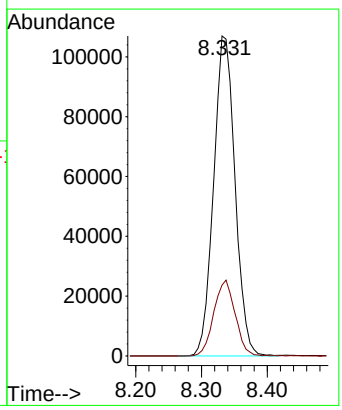
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

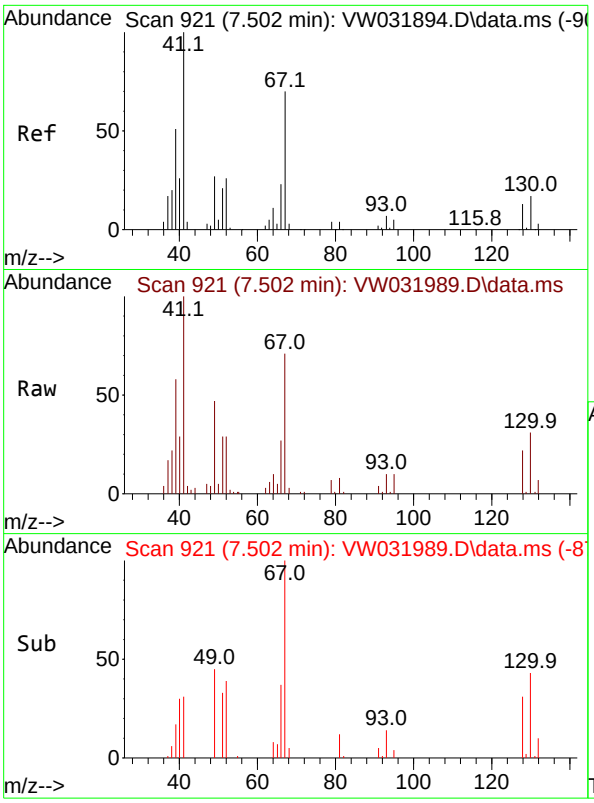


#40
Benzene
Concen: 20.371 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 78 Resp: 242440

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.3	28.9

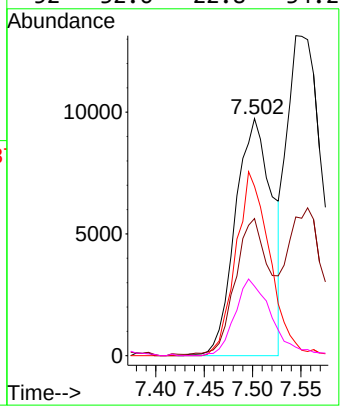




#41
Methacrylonitrile
Concen: 18.746 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 41 Resp: 2573

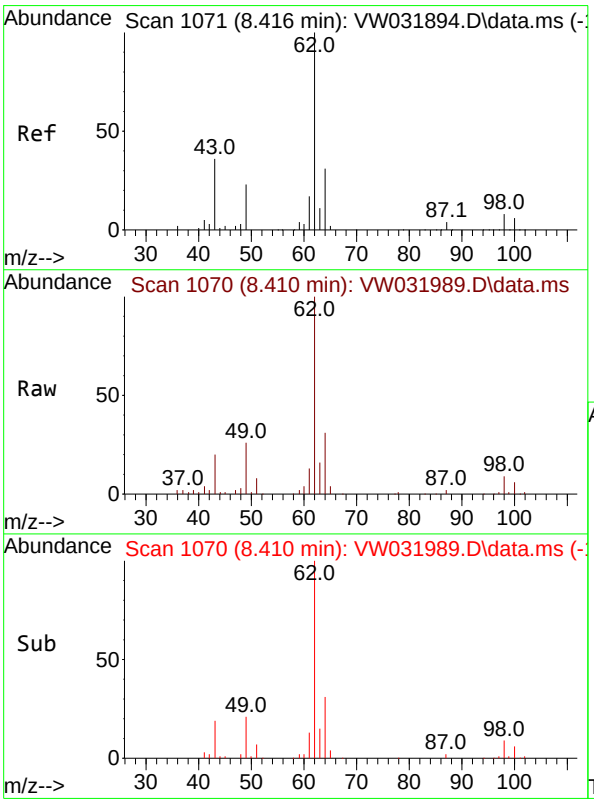
Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.1	61.7
67	72.0	56.2	84.4
52	32.6	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

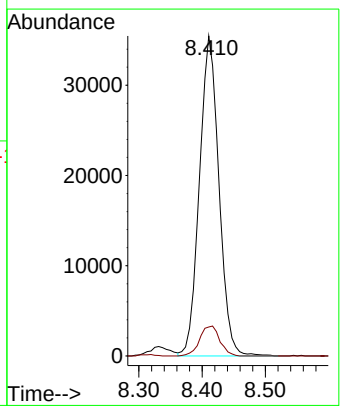
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

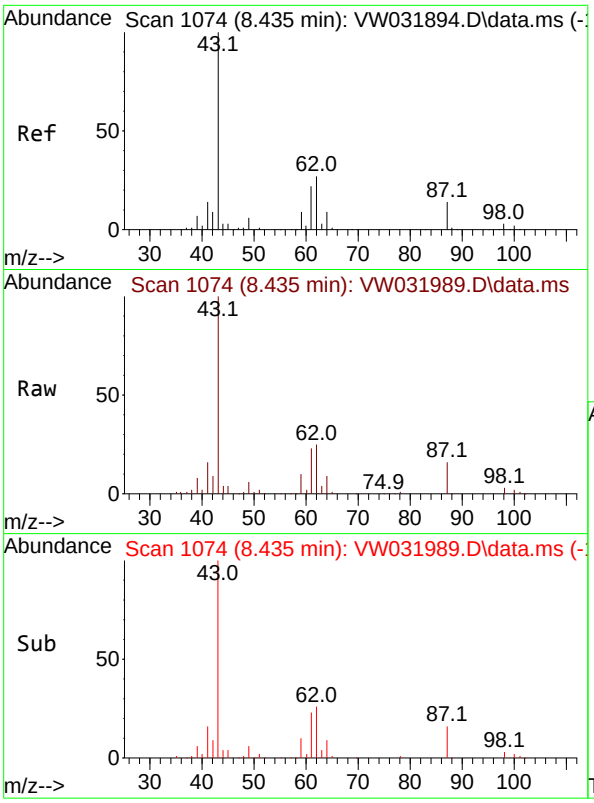


#42
1,2-Dichloroethane
Concen: 20.006 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 62 Resp: 76204

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2





#43
Isopropyl Acetate
Concen: 18.558 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

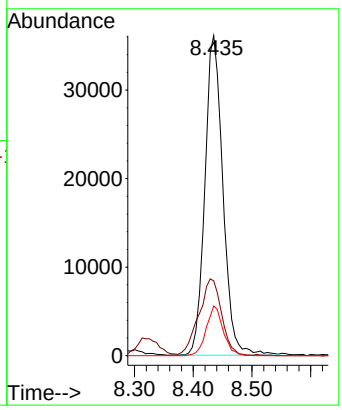
Tgt Ion: 43 Resp: 7705

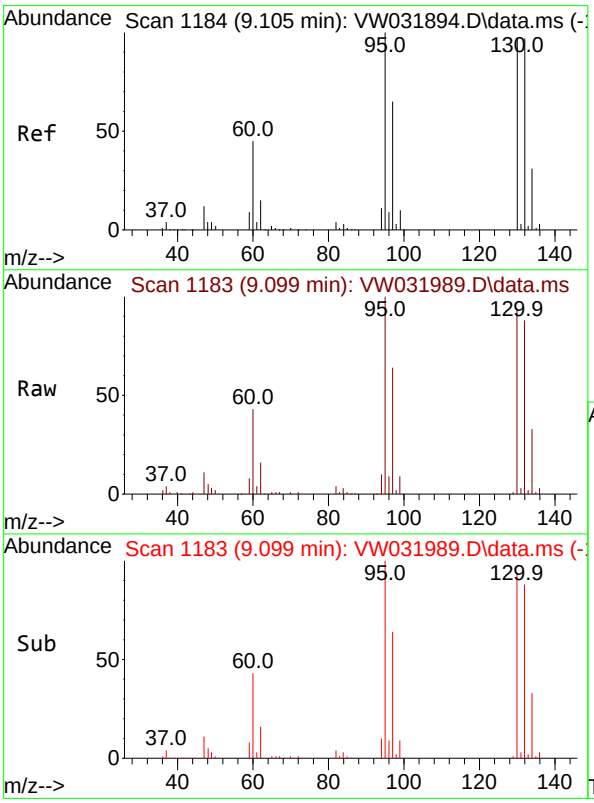
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	14.6	11.1	16.7

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

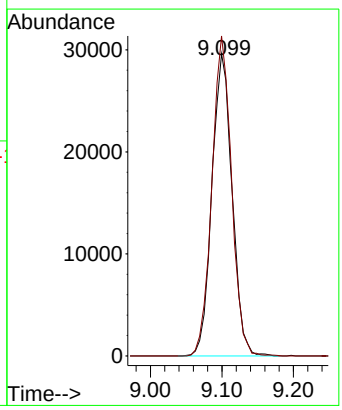


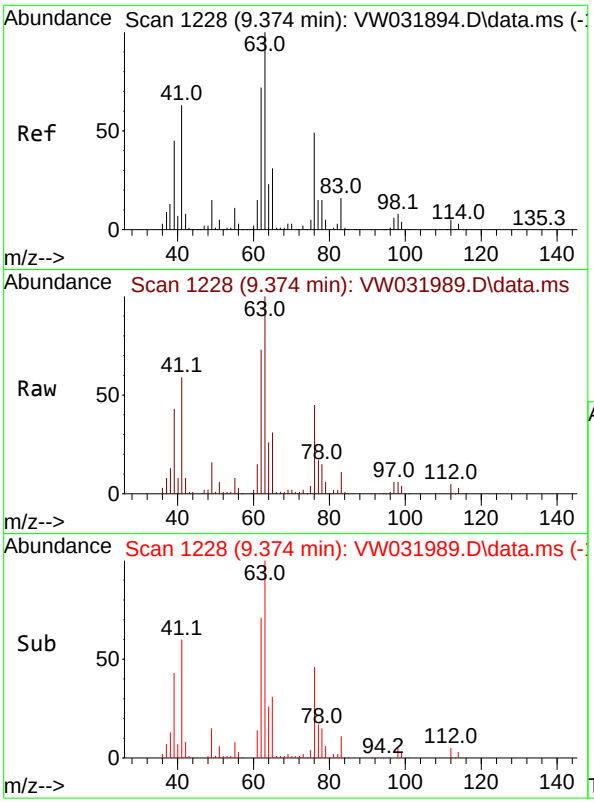


#44
Trichloroethene
Concen: 20.443 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:130 Resp: 57832

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	206.4

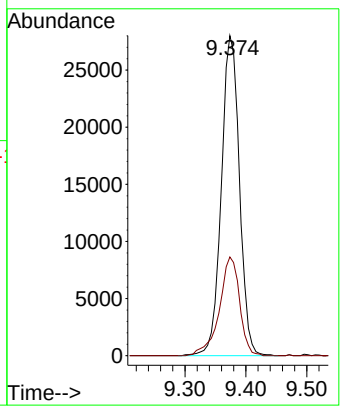




#45
1,2-Dichloropropane
Concen: 20.201 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 63 Resp: 5790

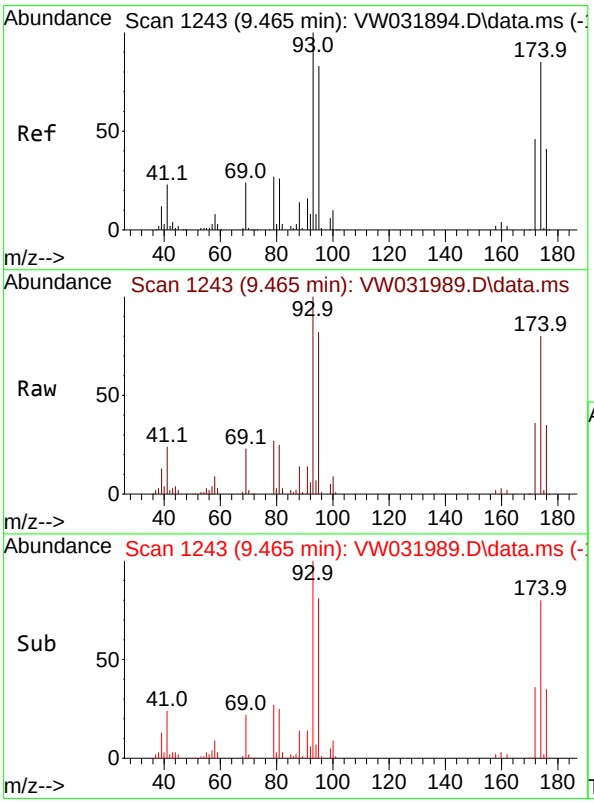
Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

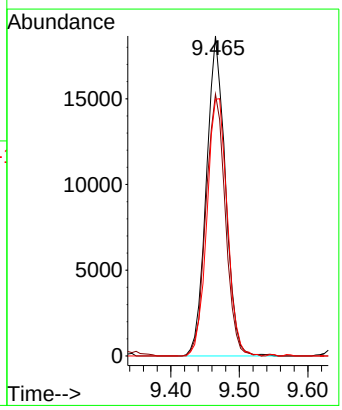
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

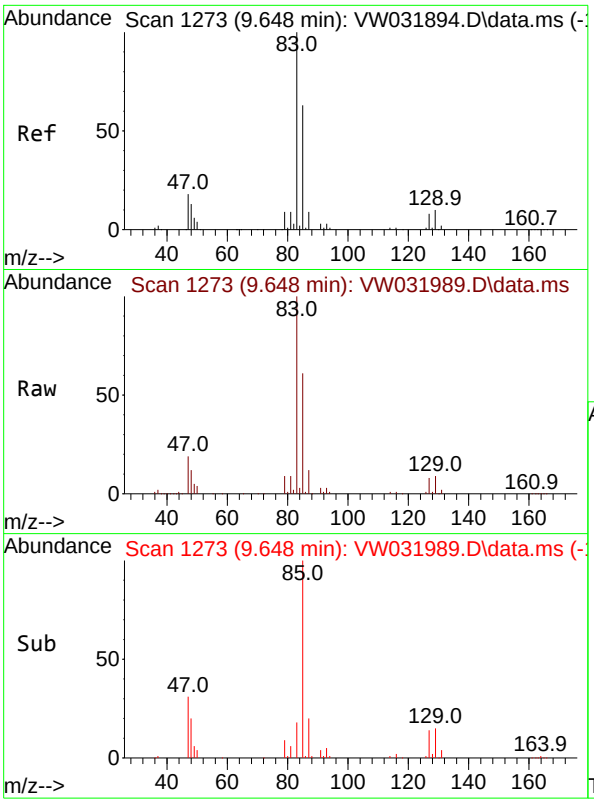


#46
Dibromomethane
Concen: 20.297 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 93 Resp: 36063

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.6
174	85.7	70.2	105.2

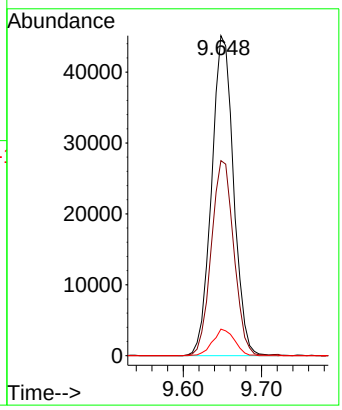




#47
Bromodichloromethane
Concen: 20.643 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 83 Resp: 8794

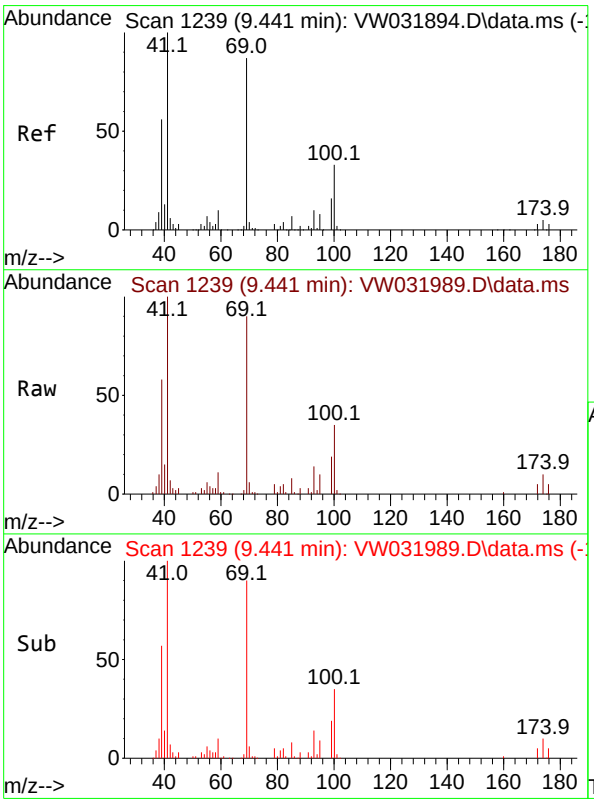
Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	76.0
127	8.3	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

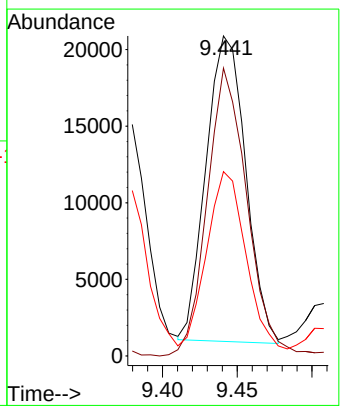
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

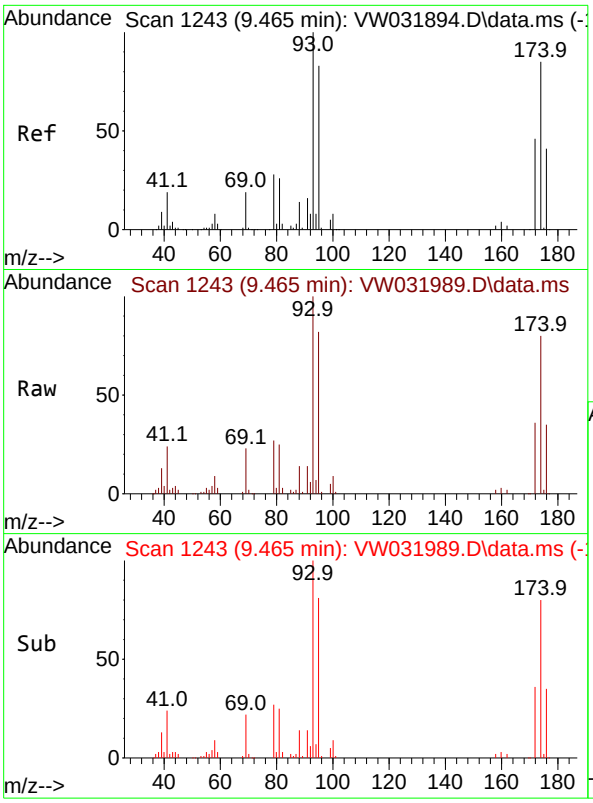


#48
Methyl methacrylate
Concen: 18.600 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 41 Resp: 36741

Ion	Ratio	Lower	Upper
41	100		
69	95.4	73.6	110.4
39	56.8	45.5	68.3

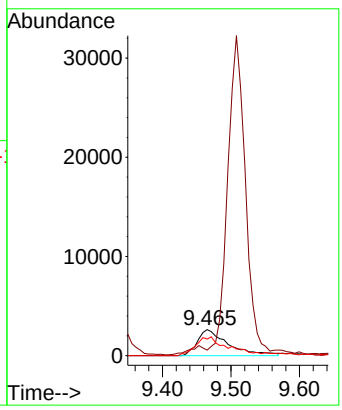




#49
1,4-Dioxane
Concen: 464.942 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 88 Resp: 824

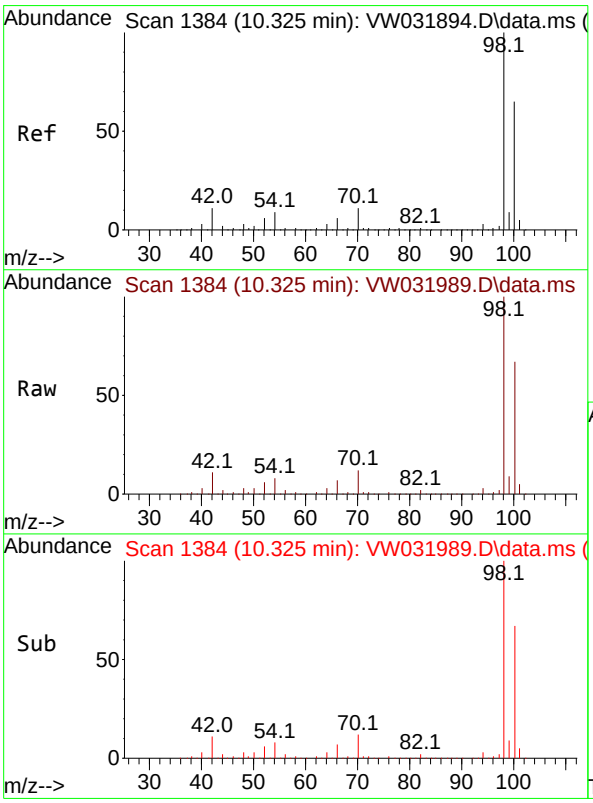
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4
58	75.0	58.2	87.2



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

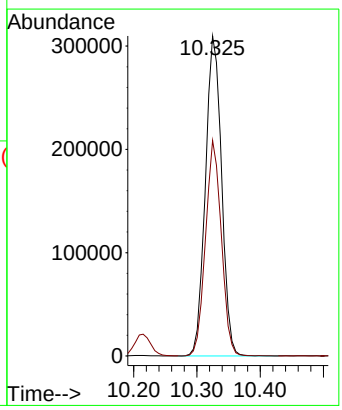
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

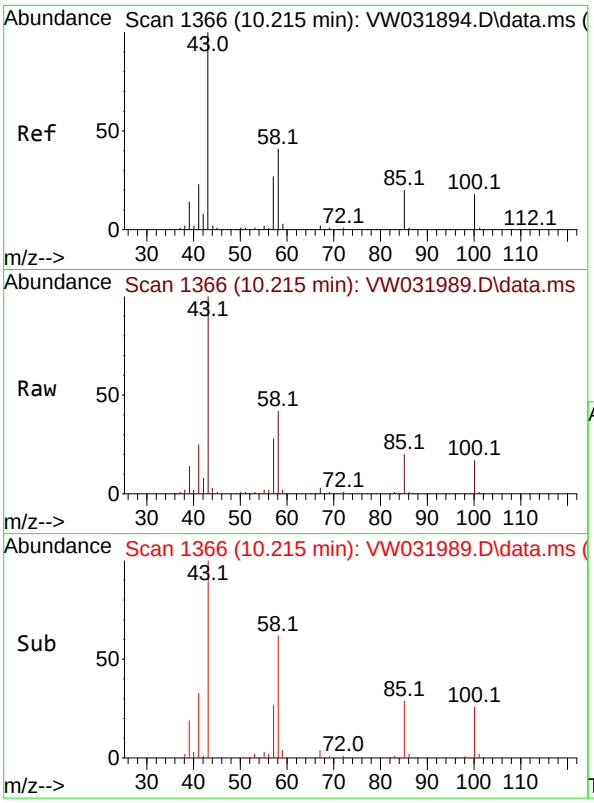


#50
Toluene-d8
Concen: 55.605 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 98 Resp: 550944

Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 95.672 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

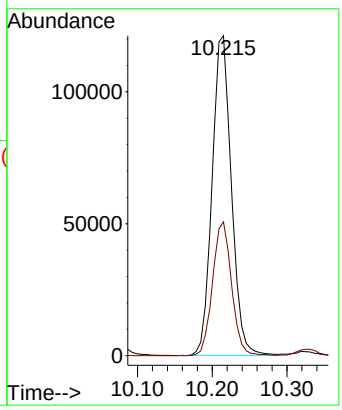
Tgt Ion: 43 Resp: 21739

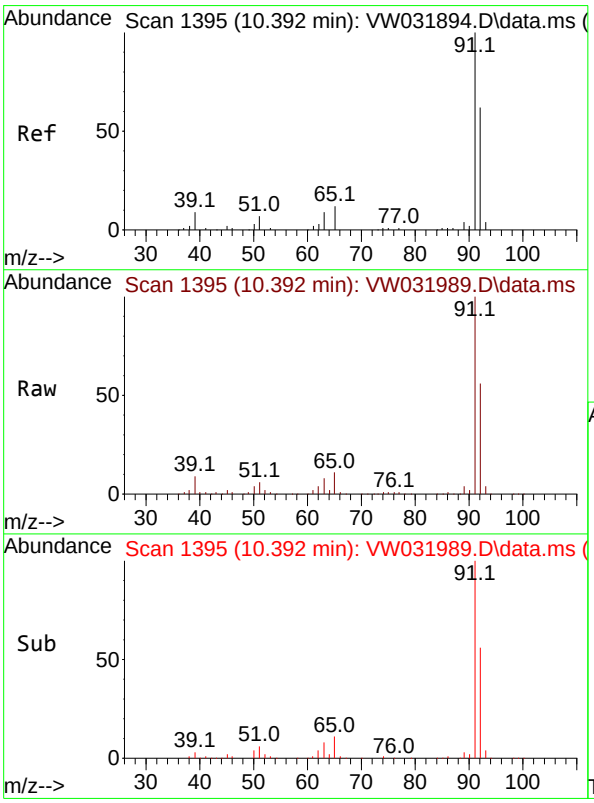
Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

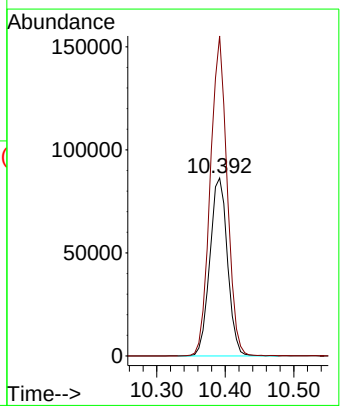


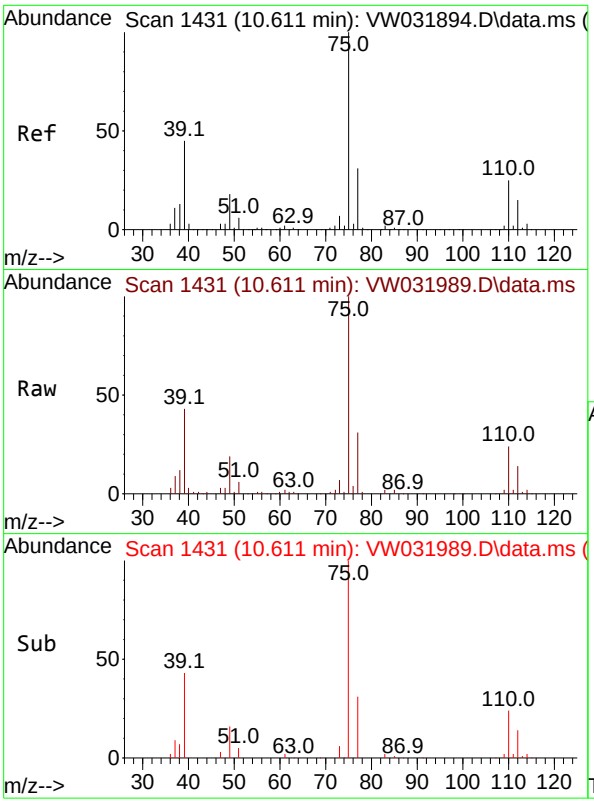


#52
Toluene
Concen: 20.202 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 92 Resp: 154561

Ion	Ratio	Lower	Upper
92	100		
91	171.8	133.7	200.5

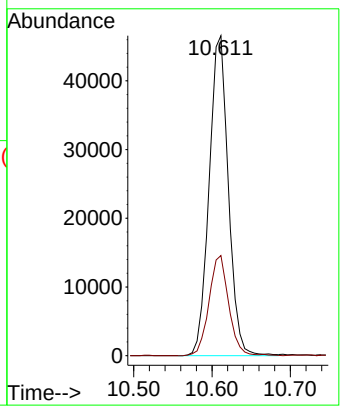




#53
t-1,3-Dichloropropene
Concen: 19.401 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 7929

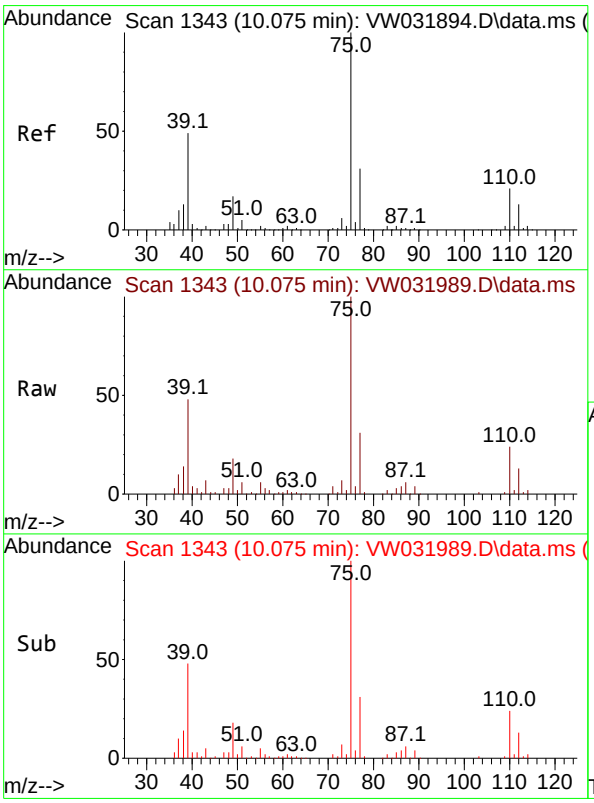
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

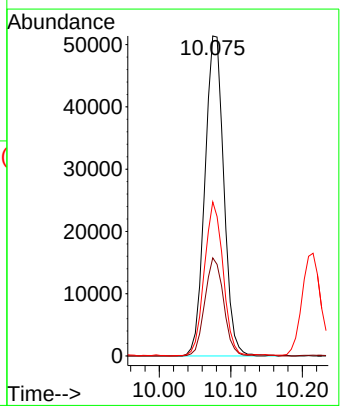
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

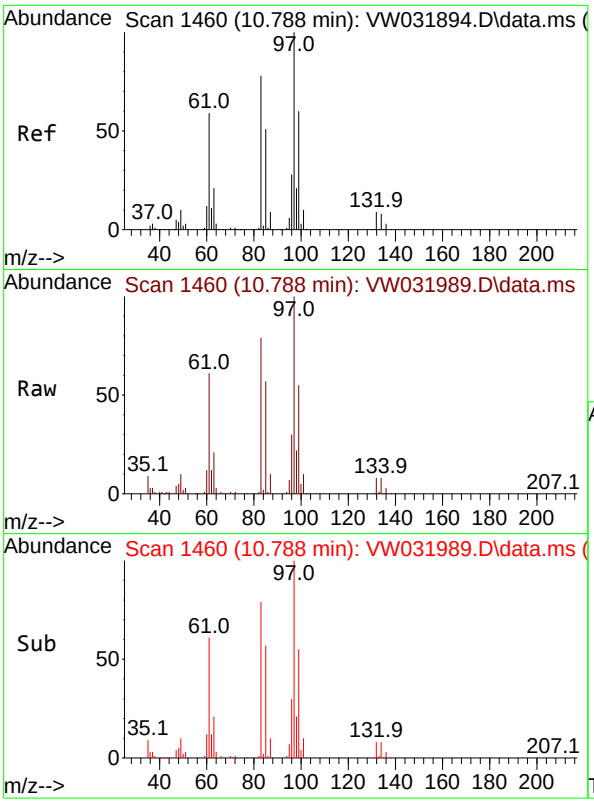


#54
cis-1,3-Dichloropropene
Concen: 20.241 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 94470

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	48.0	39.3	58.9

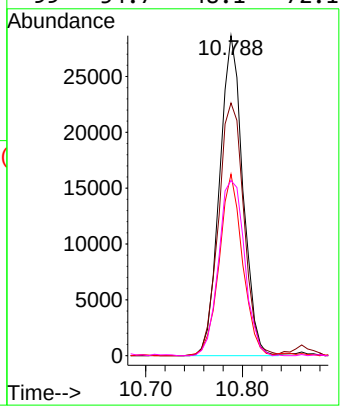




#55
1,1,2-Trichloroethane
Concen: 20.338 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 97 Resp: 4799

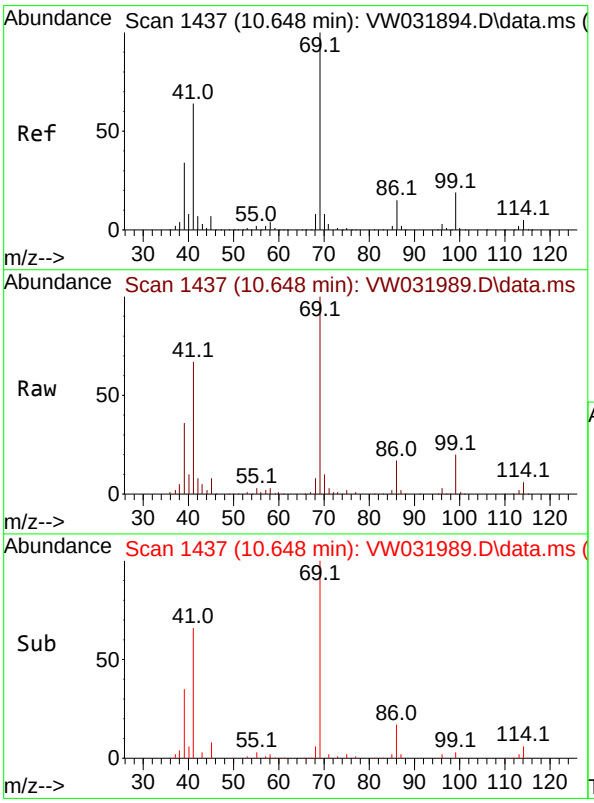
Ion	Ratio	Lower	Upper
97	100		
83	79.0	62.4	93.6
85	56.7	41.0	61.6
99	54.7	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

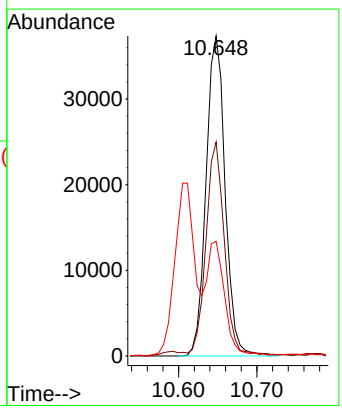
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

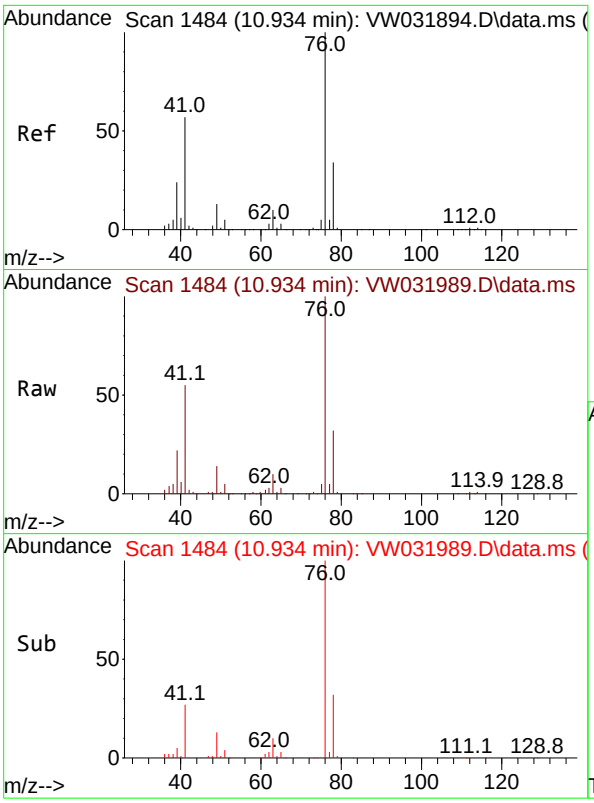


#56
Ethyl methacrylate
Concen: 18.921 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 69 Resp: 63067

Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.0	78.0
39	32.7	26.6	40.0

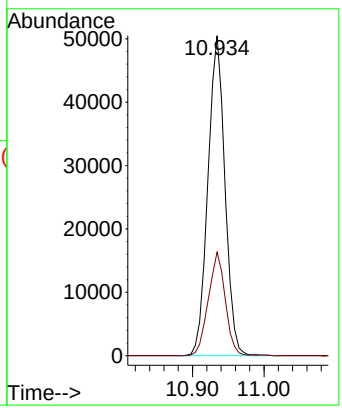




#57
1,3-Dichloropropane
Concen: 20.062 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 76 Resp: 8341

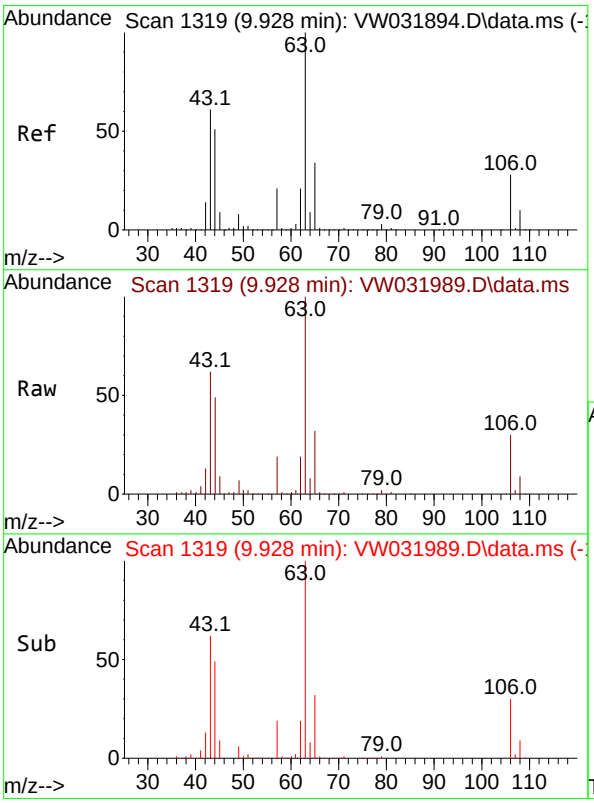
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

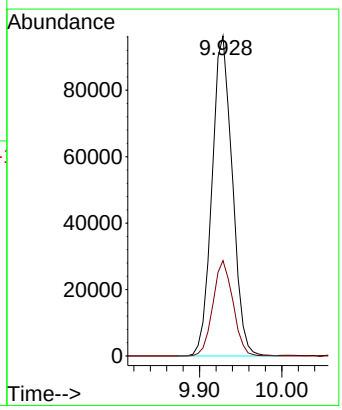
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

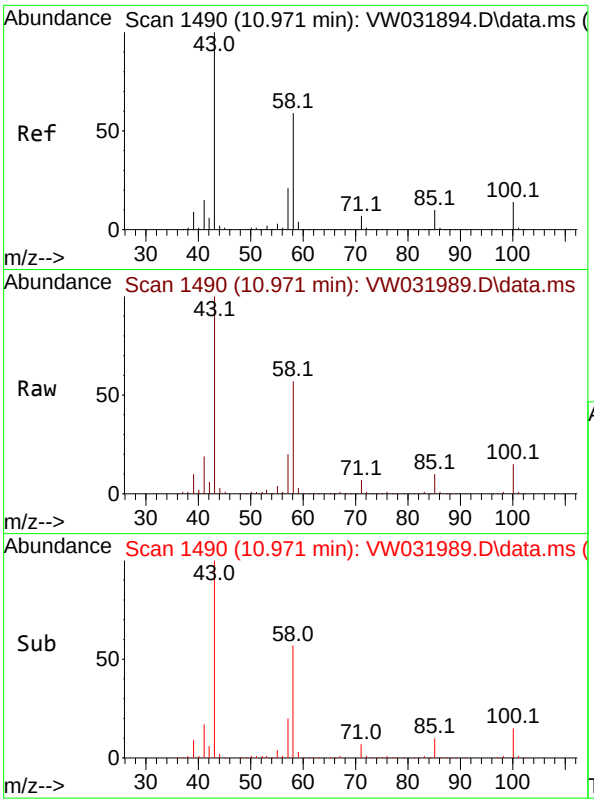


#58
2-Chloroethyl Vinyl ether
Concen: 96.510 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 63 Resp: 165236

Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.7	34.1





#59
2-Hexanone
Concen: 99.104 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

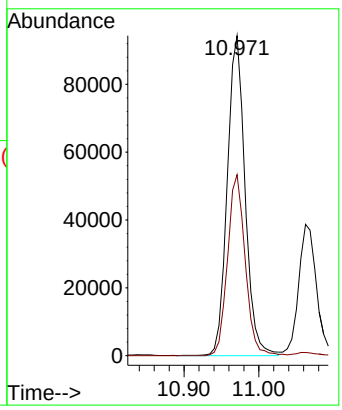
Tgt Ion: 43 Resp: 15653

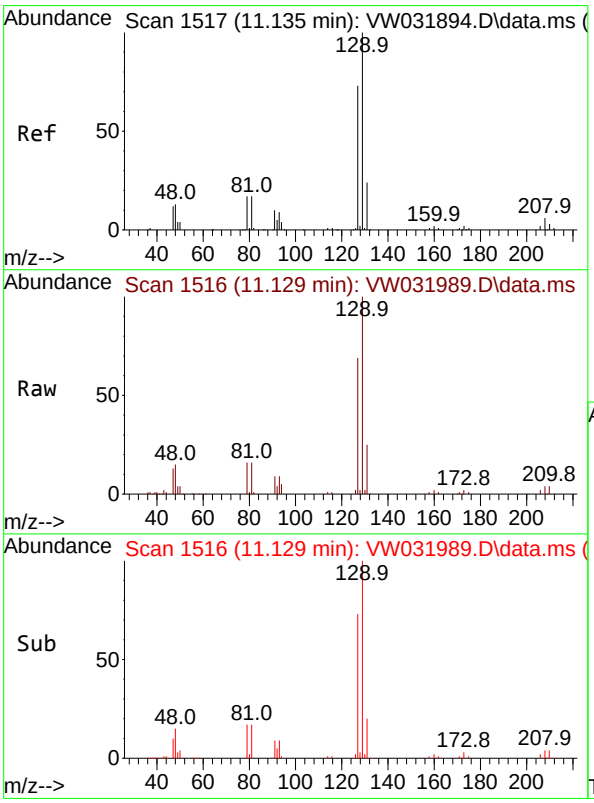
Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

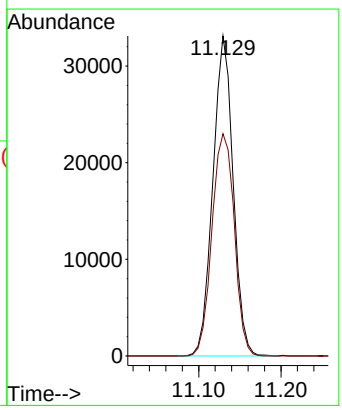


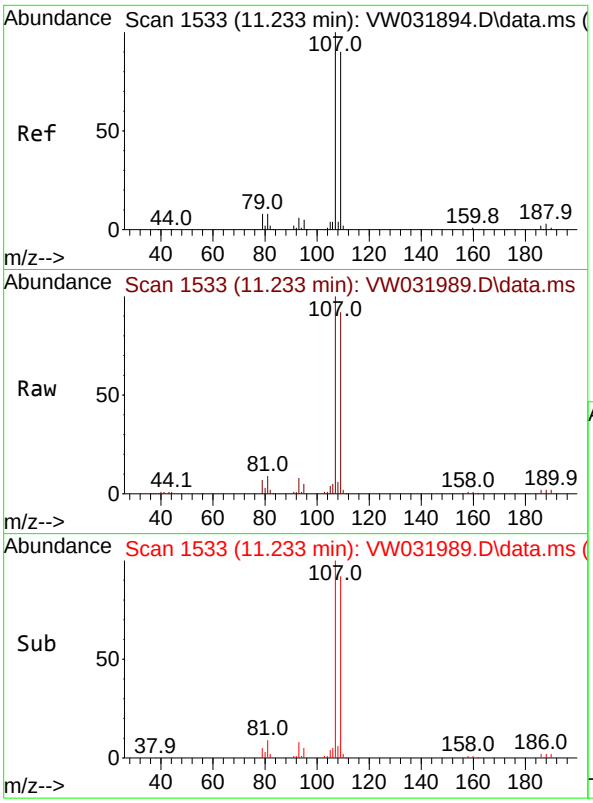


#60
Dibromochloromethane
Concen: 20.606 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:129 Resp: 56702

Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.6	118.8





#61
1,2-Dibromoethane
Concen: 19.696 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

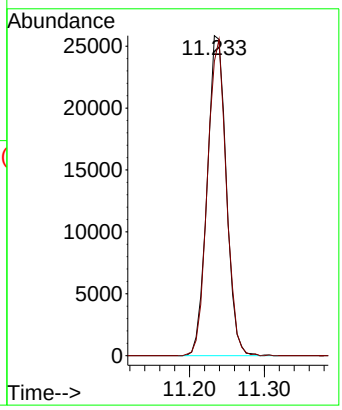
Tgt Ion:107 Resp: 4593

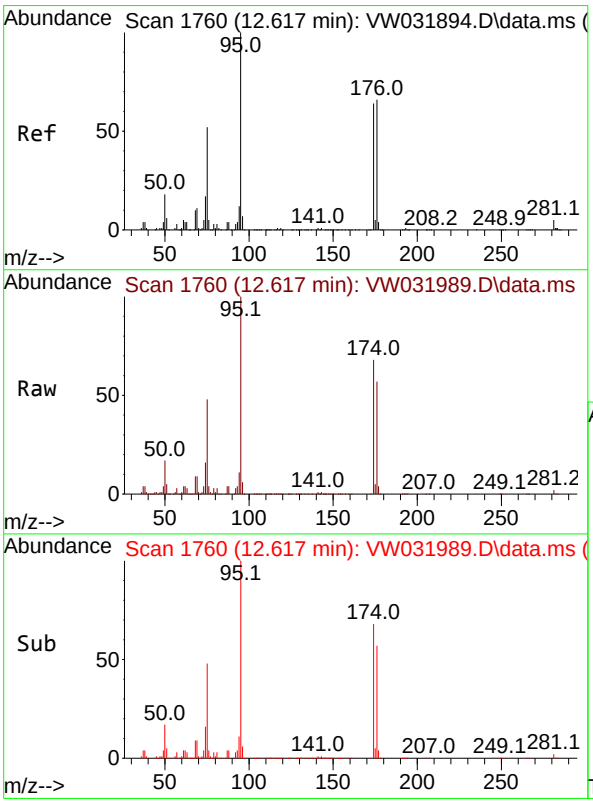
Ion	Ratio	Lower	Upper
107	100		
109	97.6	74.2	111.4

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

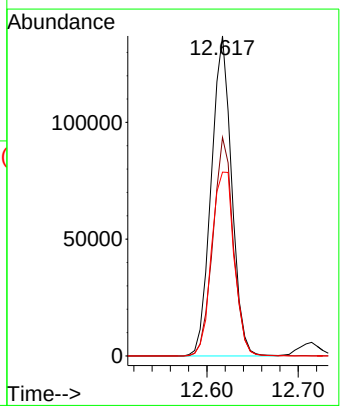


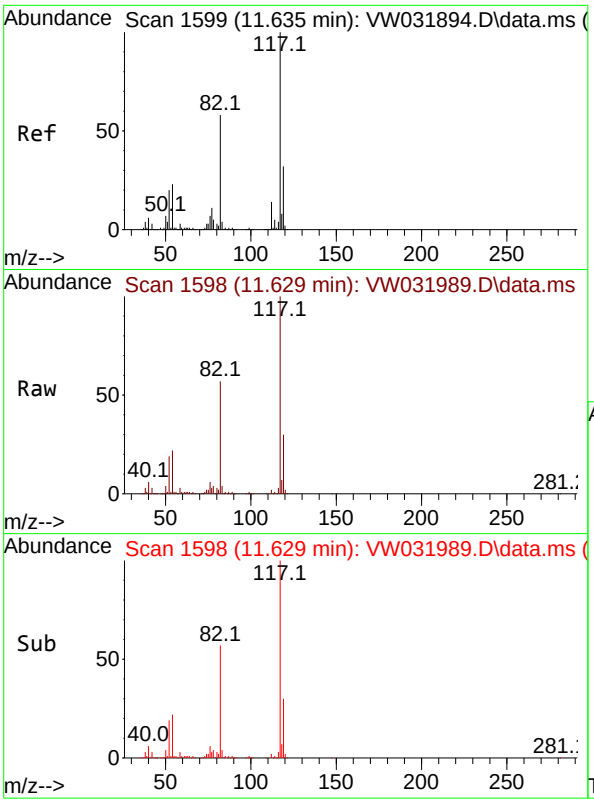


#62
4-Bromofluorobenzene
Concen: 55.869 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 95 Resp: 212555

Ion	Ratio	Lower	Upper
95	100		
174	67.7	0.0	129.8
176	63.9	0.0	130.4

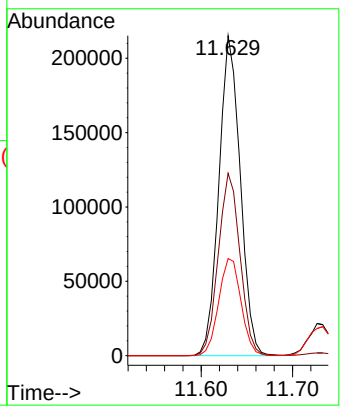




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:117 Resp: 34977

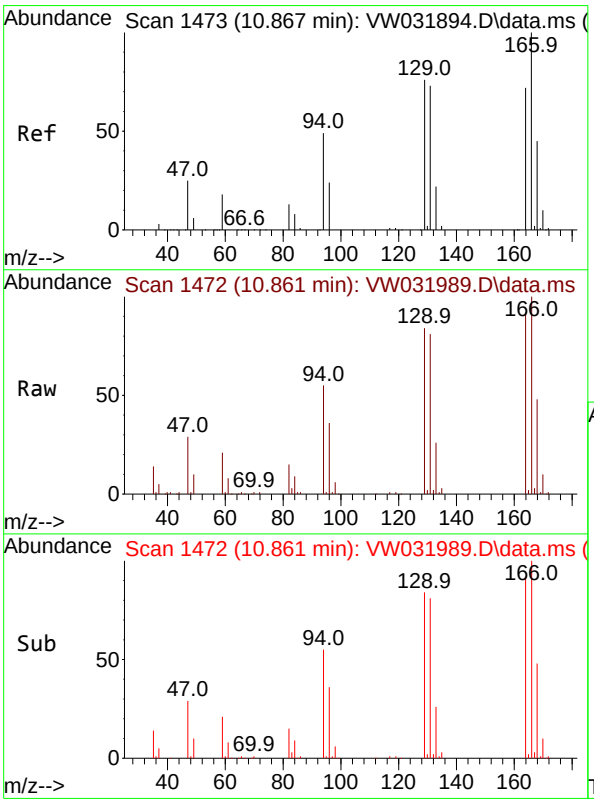
Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.5	69.7
119	30.3	25.8	38.6



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

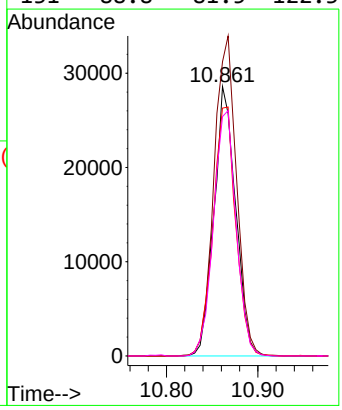
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

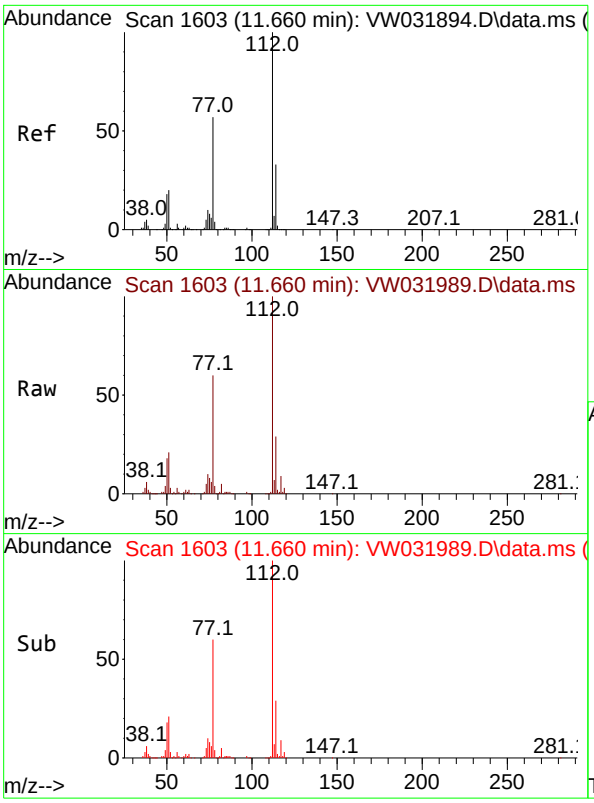


#64
Tetrachloroethene
Concen: 20.468 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:164 Resp: 47201

Ion	Ratio	Lower	Upper
164	100		
166	109.2	111.5	167.3#
129	92.0	85.1	127.7
131	88.8	81.5	122.3

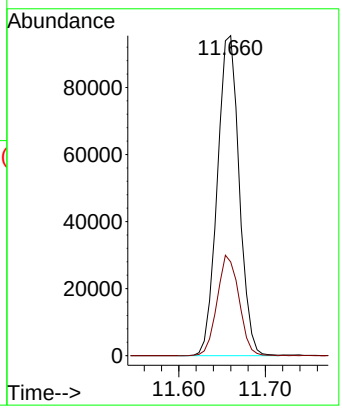




#65
Chlorobenzene
Concen: 19.588 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:112 Resp: 16768

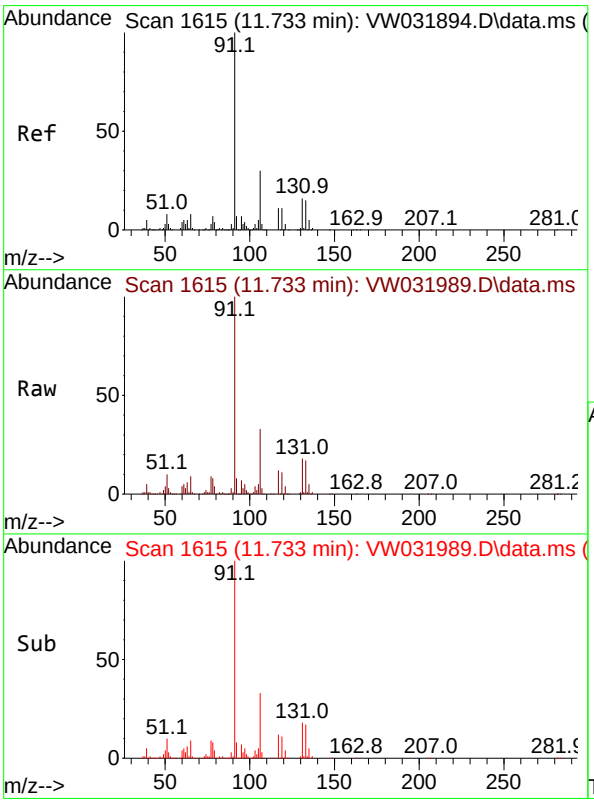
Ion	Ratio	Lower	Upper
112	100		
114	29.3	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

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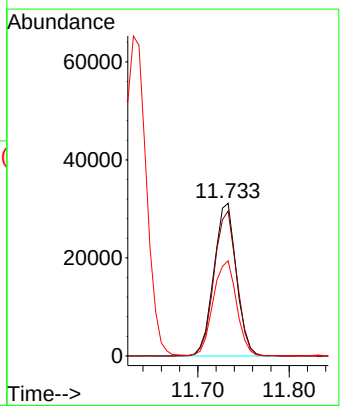
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

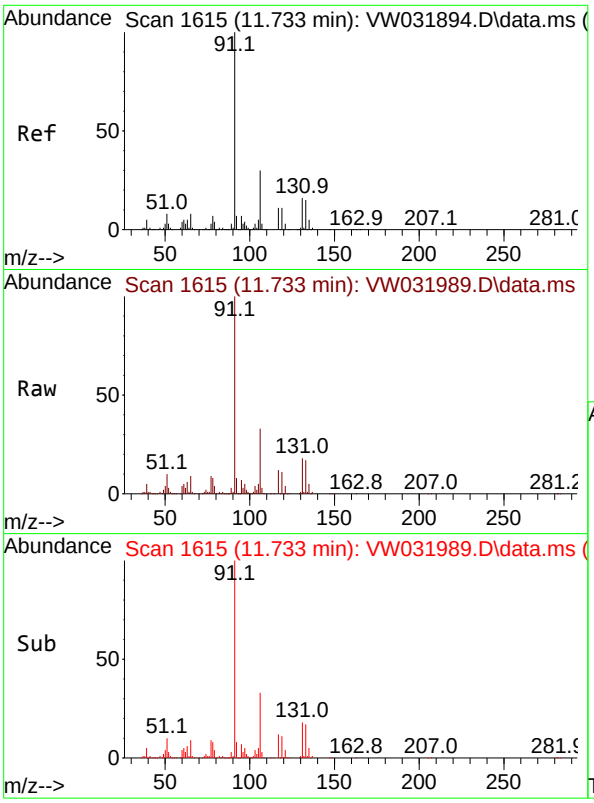


#66
1,1,1,2-Tetrachloroethane
Concen: 20.079 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:131 Resp: 53288

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.4
119	64.8	33.7	101.1





#67
Ethyl Benzene
Concen: 19.308 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

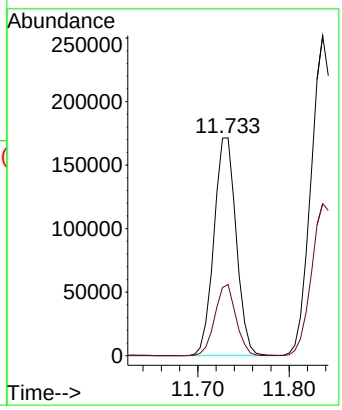
Tgt Ion: 91 Resp: 29041

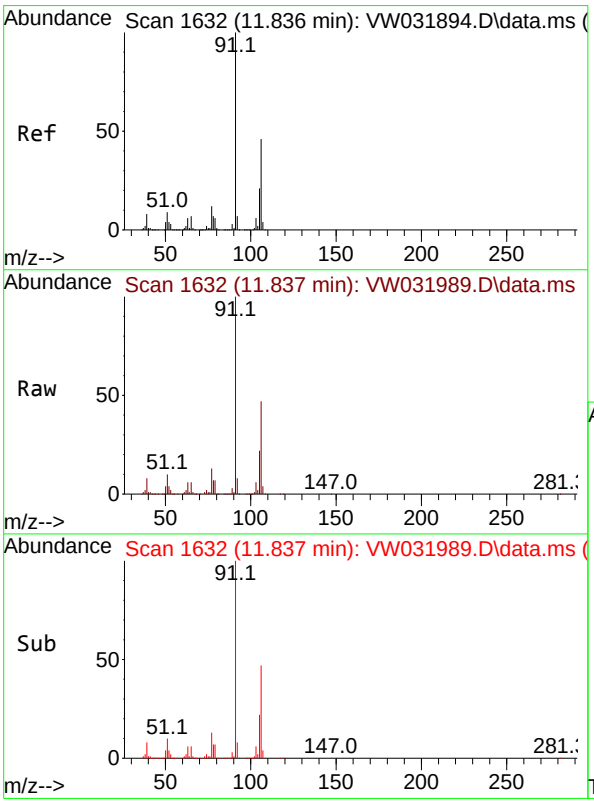
Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

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Reviewed By :Mahesh Dadoda 08/05/2025
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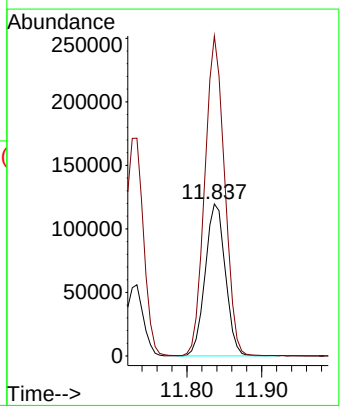


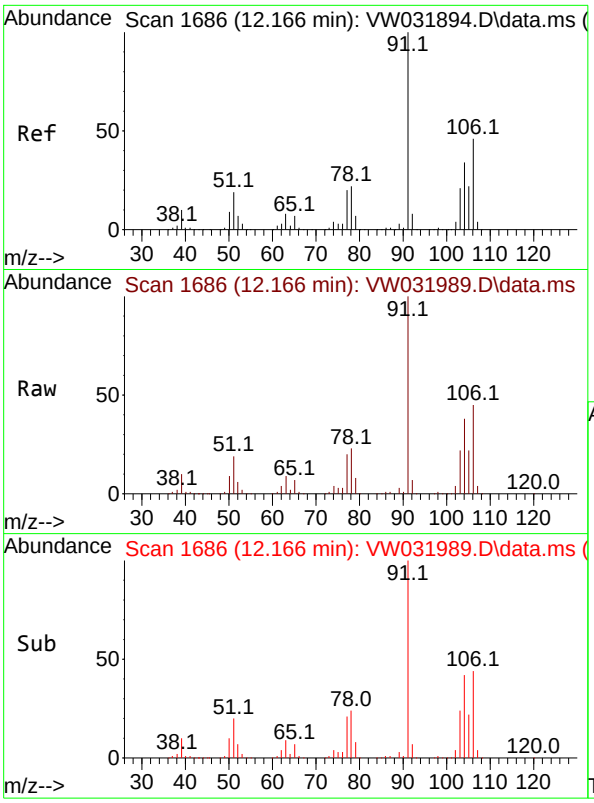


#68
m/p-Xylenes
Concen: 39.501 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:106 Resp: 223663

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.7	251.5

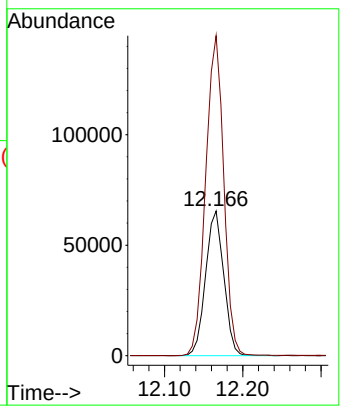




#69
o-Xylene
Concen: 19.689 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:106 Resp: 10550

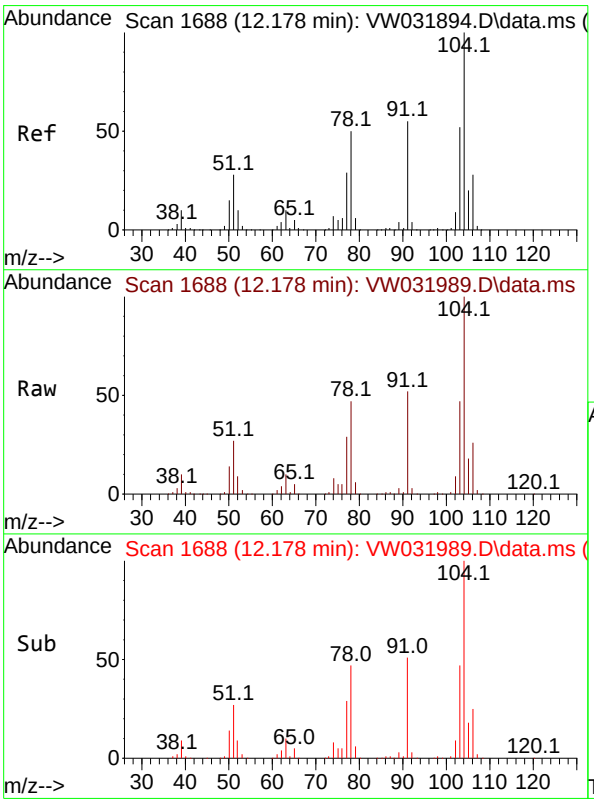
Ion	Ratio	Lower	Upper
106	100		
91	220.1	108.2	324.6



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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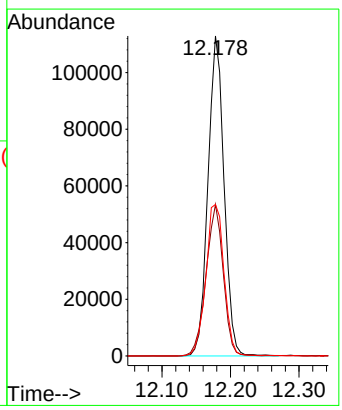
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

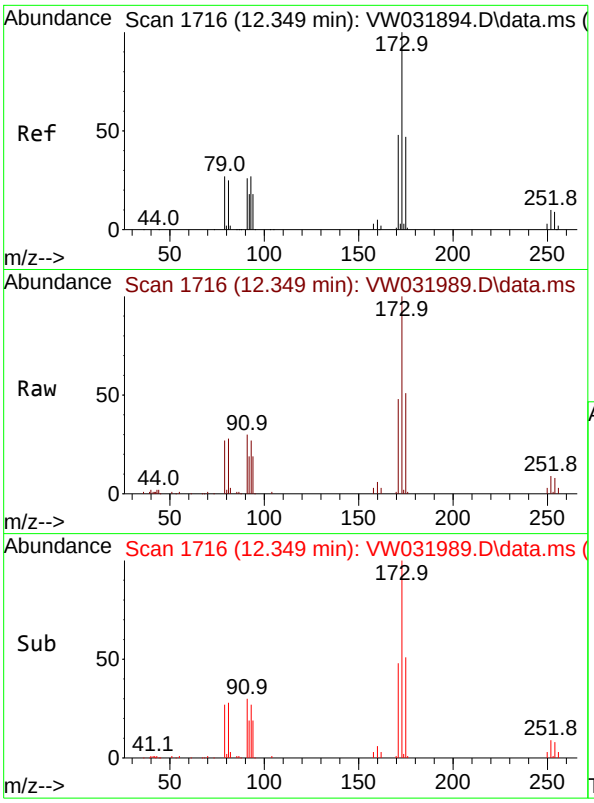


#70
Styrene
Concen: 20.187 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:104 Resp: 184175

Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.2	63.4
103	53.5	42.8	64.2





#71
Bromoform
Concen: 19.312 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

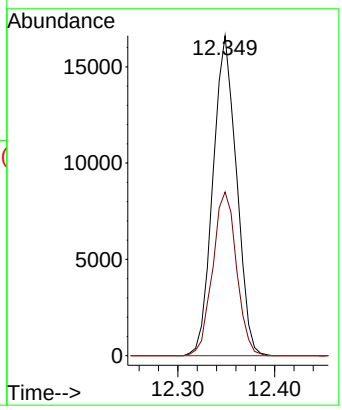
Tgt Ion:173 Resp: 2803

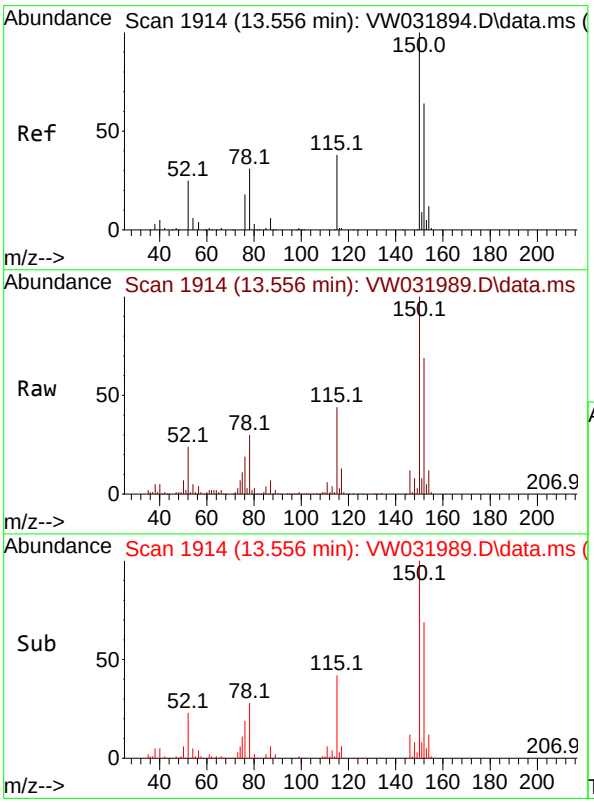
Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.5	73.5
254	0.0	0.2	0.2

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

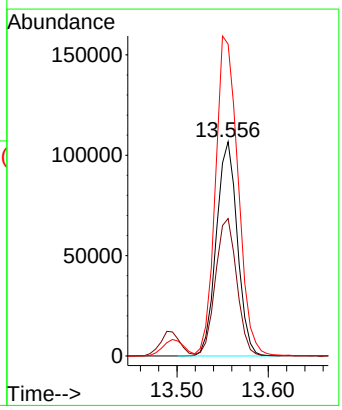


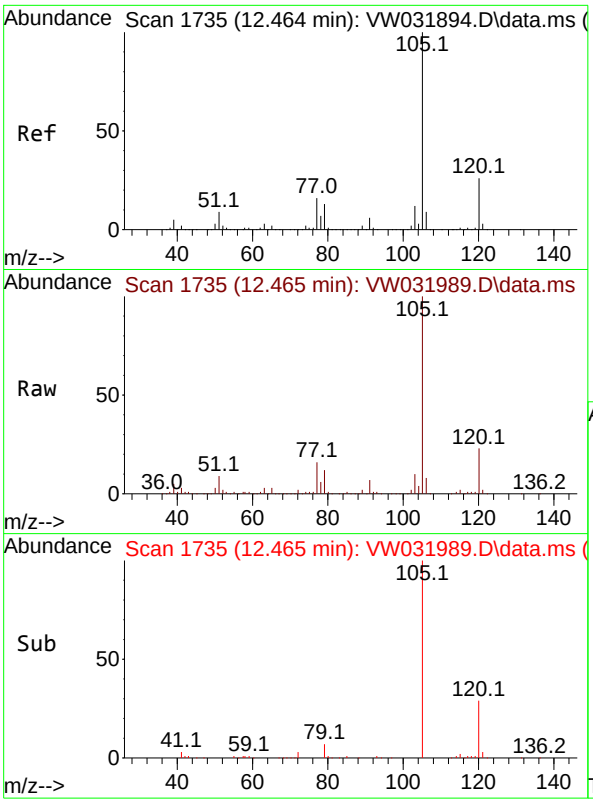


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:152 Resp: 170576

Ion	Ratio	Lower	Upper
152	100		
115	65.2	33.4	100.1
150	160.5	0.0	352.2

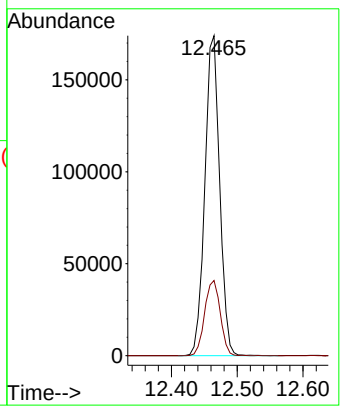




#73
Isopropylbenzene
Concen: 18.388 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:105 Resp: 27214

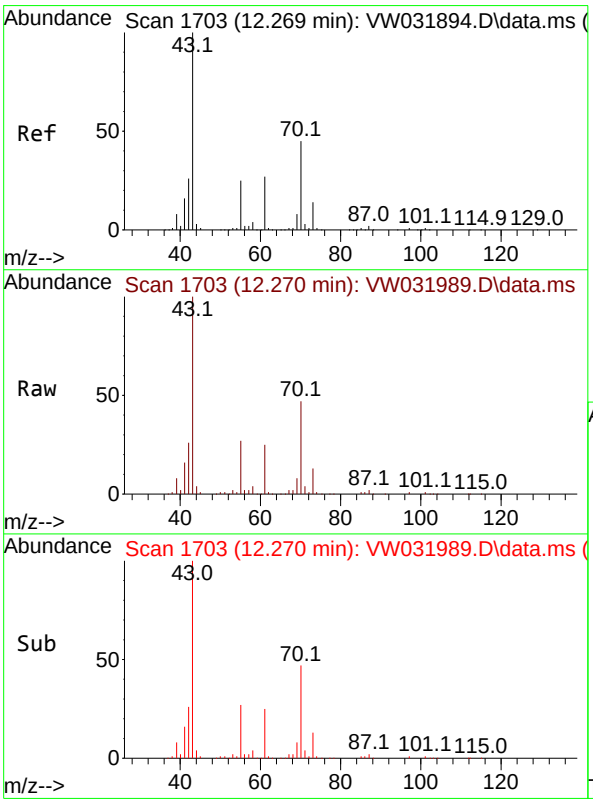
Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.6	37.8



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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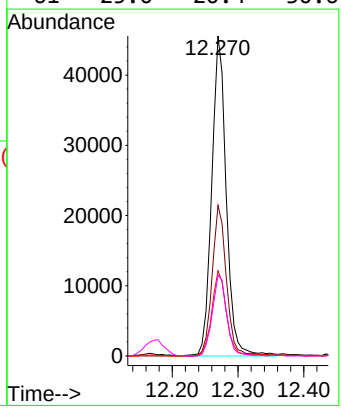
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

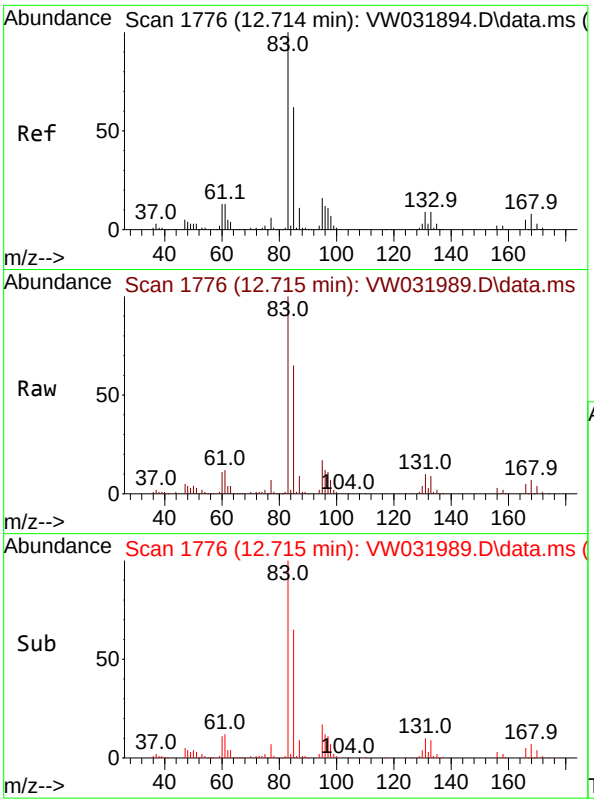


#74
N-amyl acetate
Concen: 17.543 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 70193

Ion	Ratio	Lower	Upper
43	100		
70	46.7	36.6	55.0
55	26.8	20.7	31.1
61	25.0	20.4	30.6

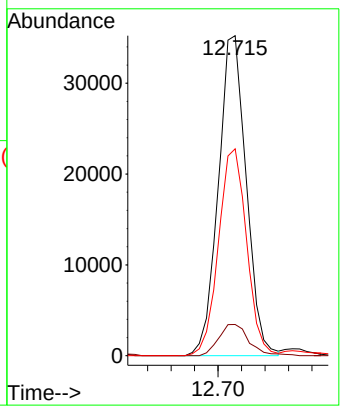




#75
1,1,2,2-Tetrachloroethane
Concen: 18.512 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 83 Resp: 5815

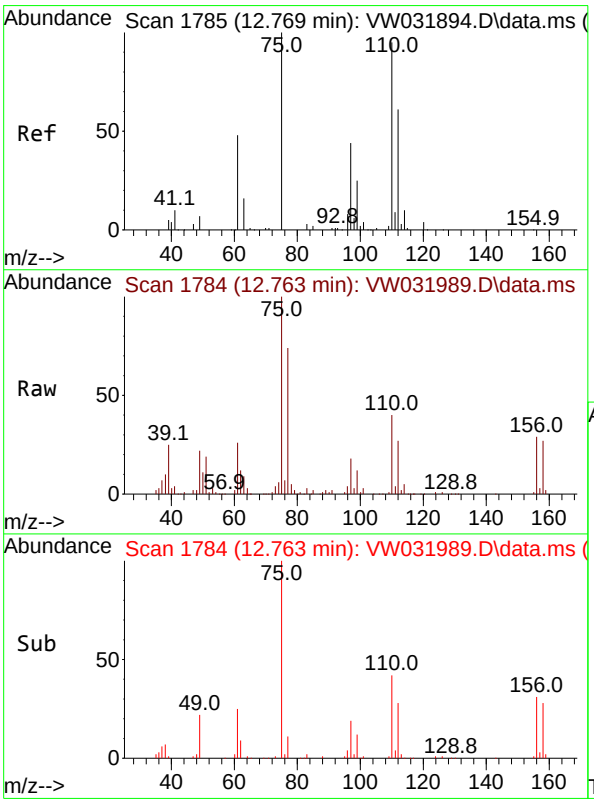
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	31.8	95.3



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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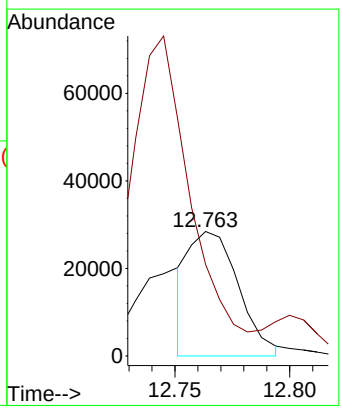
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

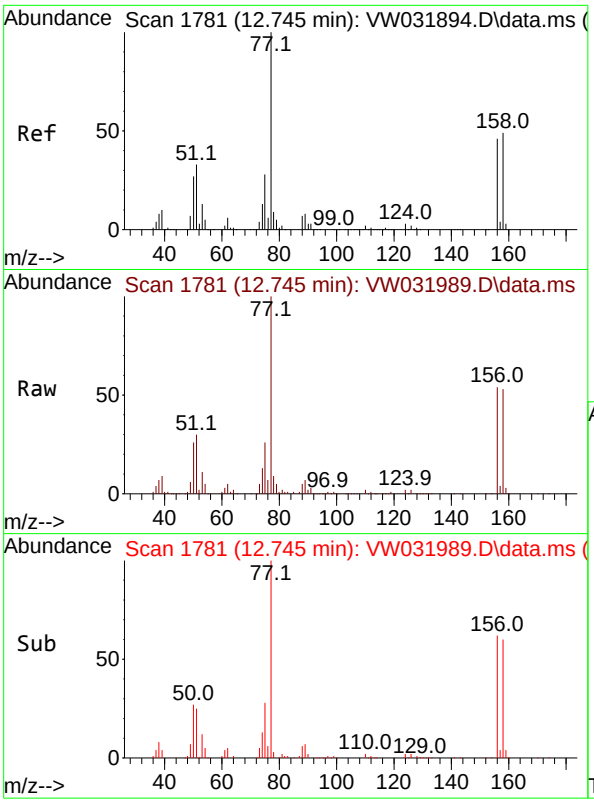


#76
1,2,3-Trichloropropane
Concen: 18.177 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 42807

Ion	Ratio	Lower	Upper
75	100		
77	311.2	0.0	0.0#





#77
Bromobenzene
Concen: 20.016 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

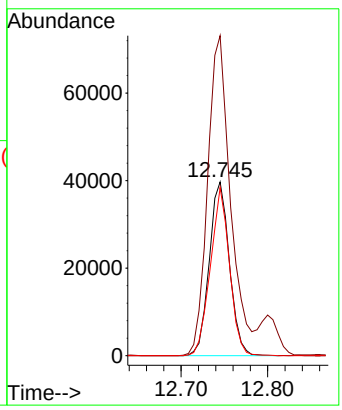
Tgt Ion:156 Resp: 6409

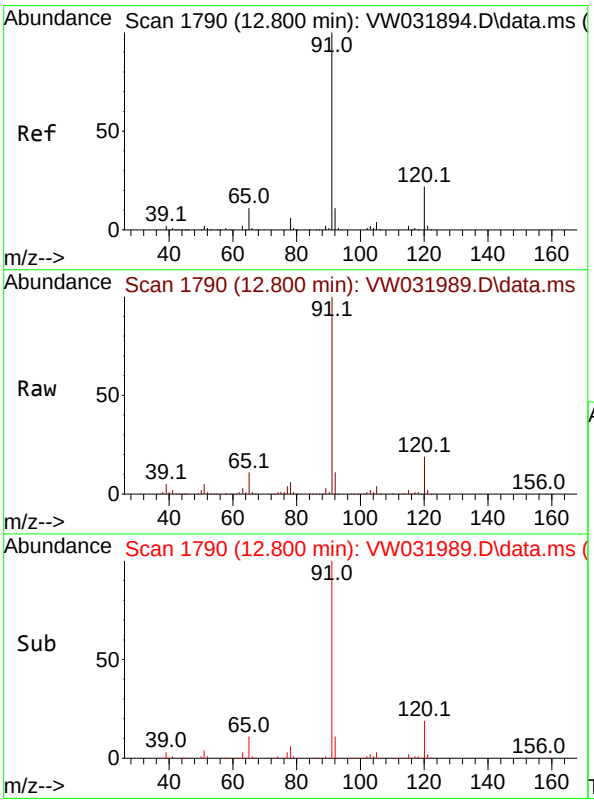
Ion	Ratio	Lower	Upper
156	100		
77	207.8	115.3	345.8
158	91.8	50.1	150.3

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
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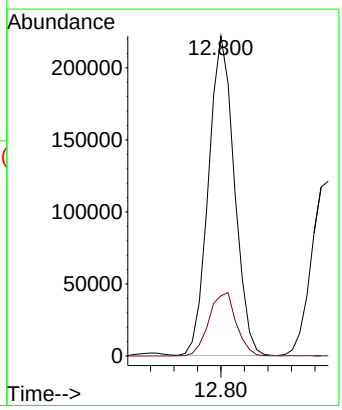


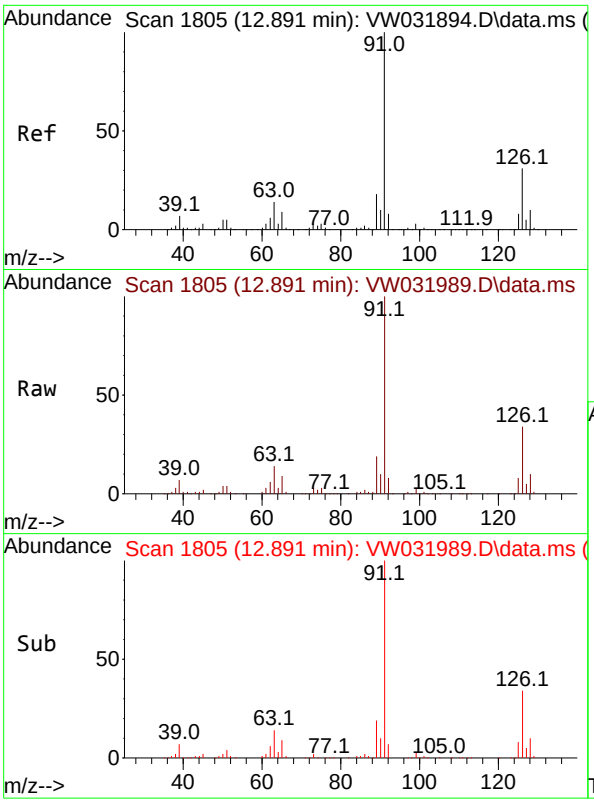


#78
n-propylbenzene
Concen: 18.616 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 91 Resp: 338399

Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6





#79
2-Chlorotoluene
Concen: 18.707 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

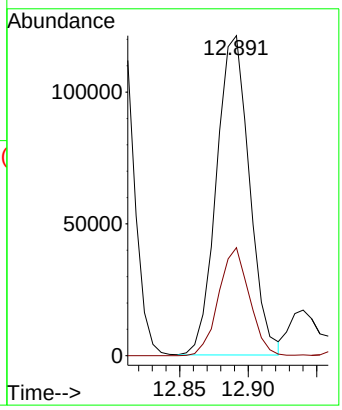
Tgt Ion: 91 Resp: 20303

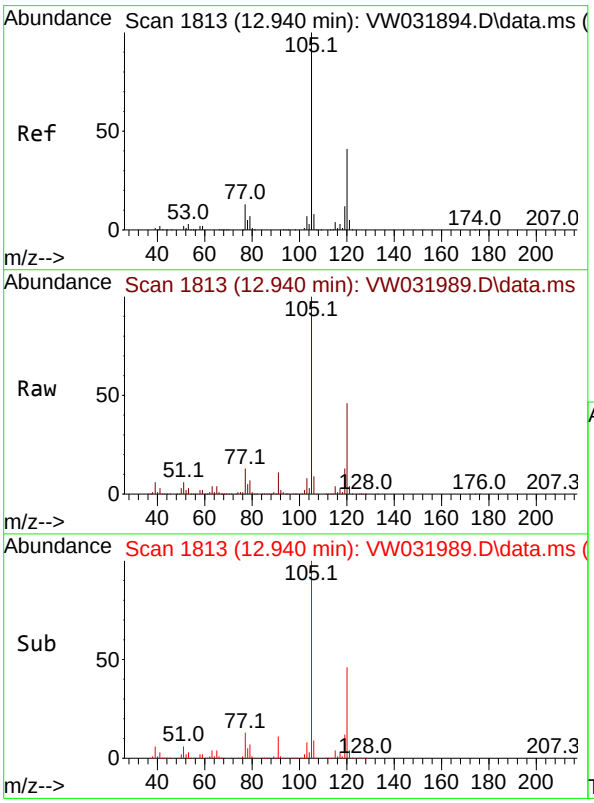
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

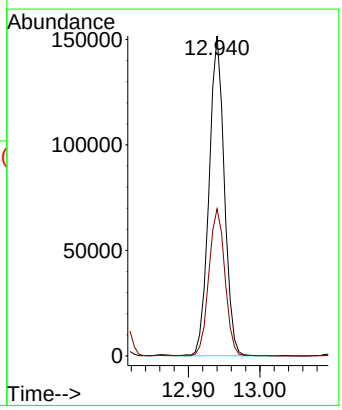


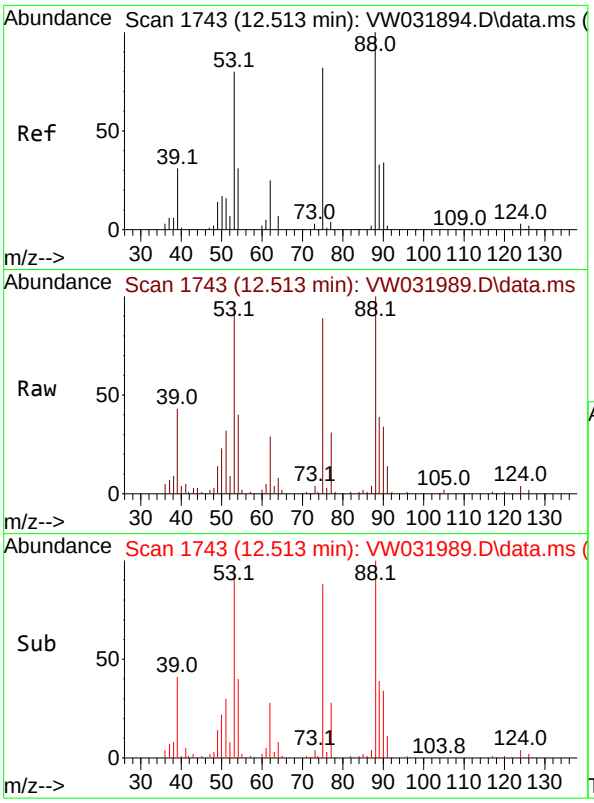


#80
1,3,5-Trimethylbenzene
Concen: 18.099 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:105 Resp: 224663

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.5	70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 16.344 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

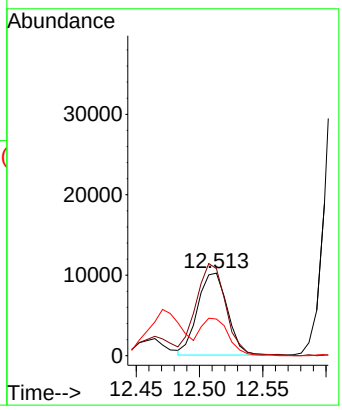
Tgt Ion: 75 Resp: 1667

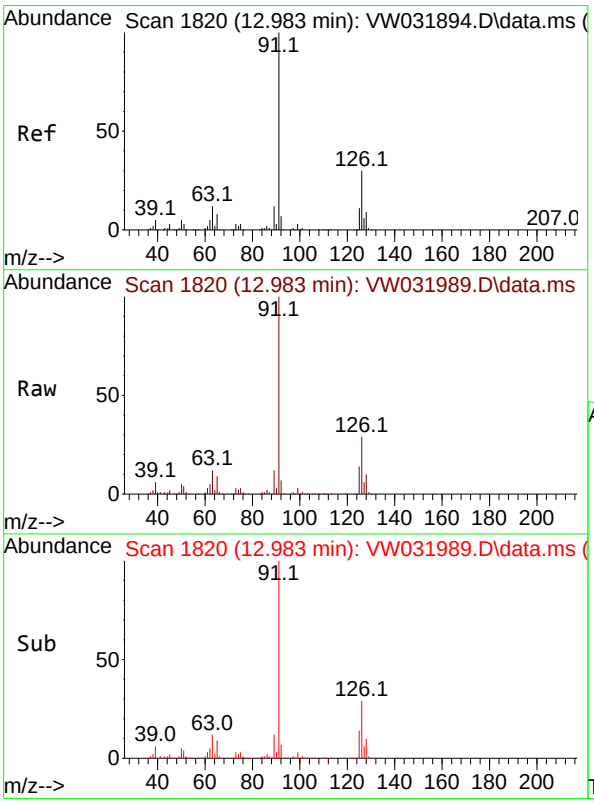
Ion	Ratio	Lower	Upper
75	100		
53	113.2	83.7	125.5
89	42.7	39.0	58.6

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

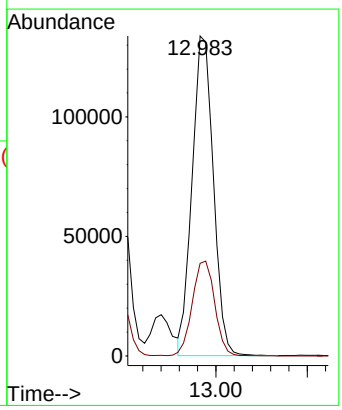


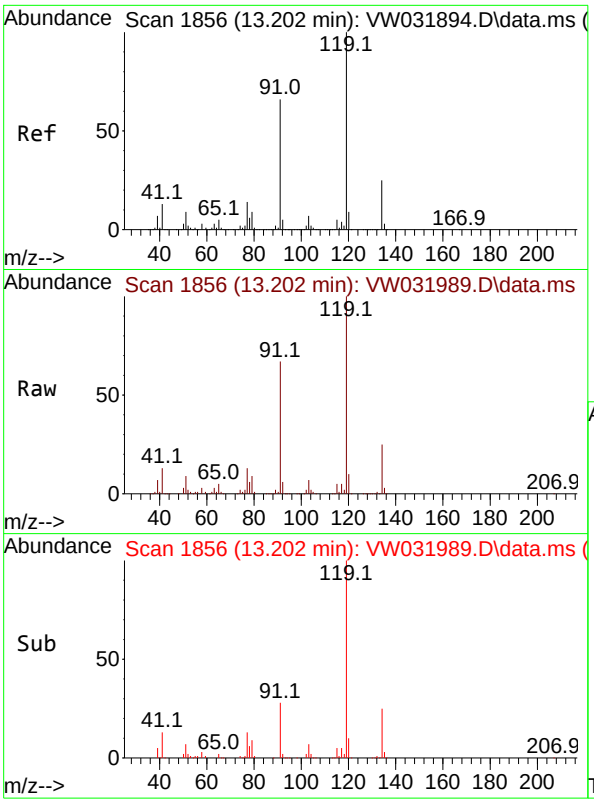


#82
4-Chlorotoluene
Concen: 18.988 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 91 Resp: 216191

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.8	47.3





#83
tert-Butylbenzene
Concen: 18.810 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

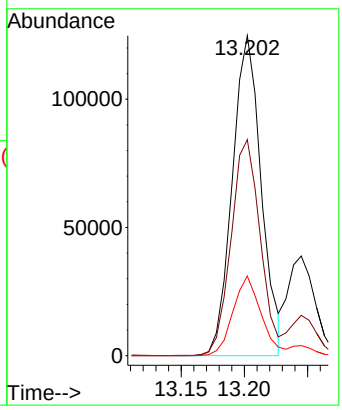
Tgt Ion:119 Resp: 19888

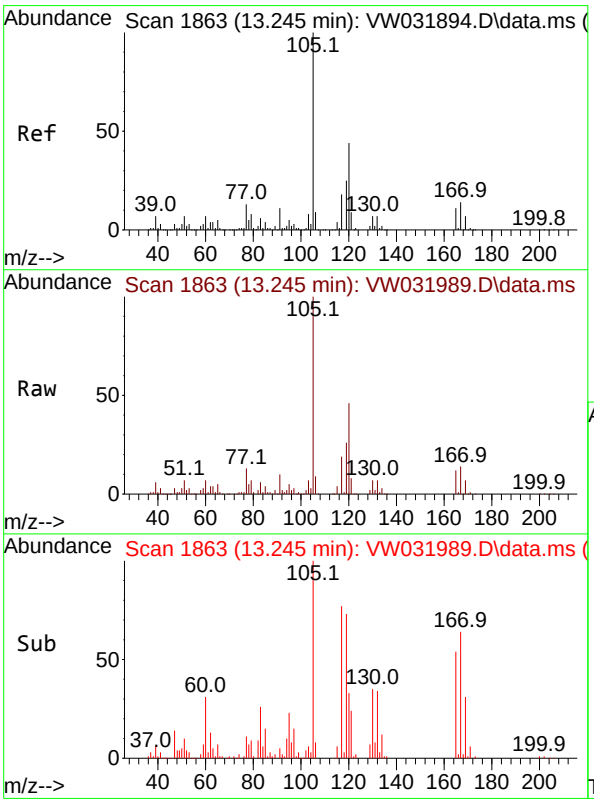
Ion	Ratio	Lower	Upper
119	100		
91	67.7	35.5	106.5
134	24.3	12.4	37.0

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

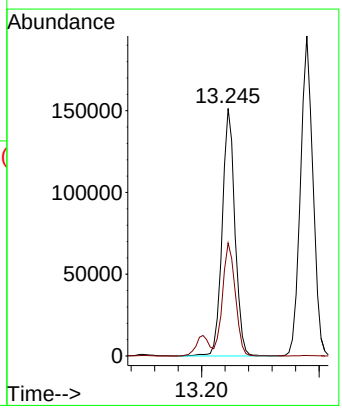


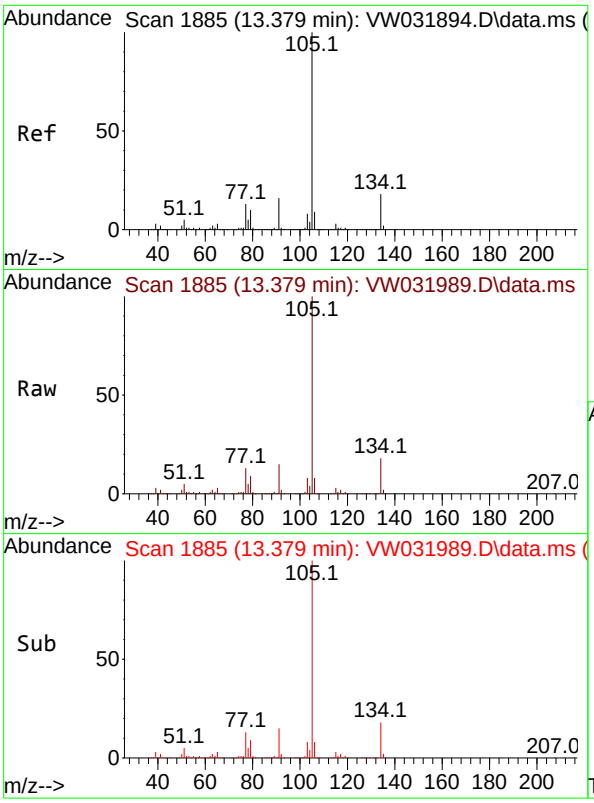


#84
1,2,4-Trimethylbenzene
Concen: 18.079 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:105 Resp: 227134

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.3	63.9





#85
sec-Butylbenzene
Concen: 18.141 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

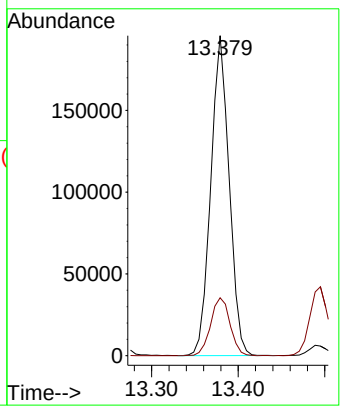
Tgt Ion:105 Resp: 28805

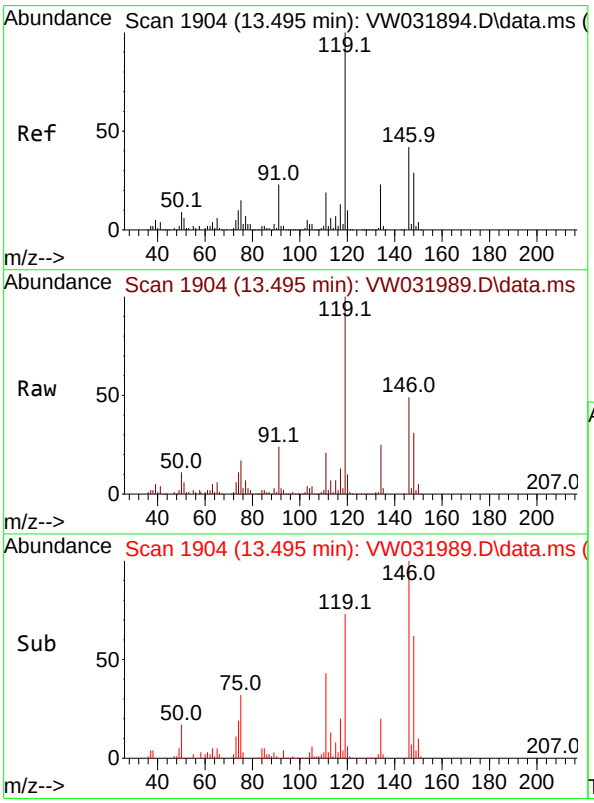
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

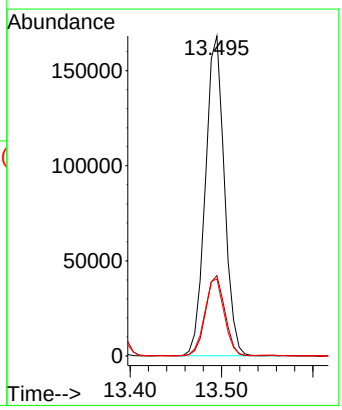


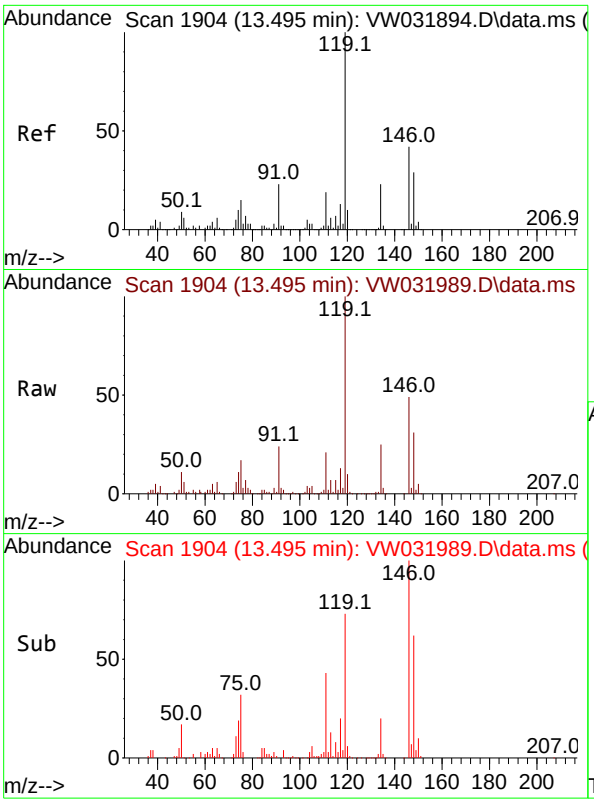


#86
p-Isopropyltoluene
Concen: 18.436 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:119 Resp: 241954

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.0	12.7	38.1

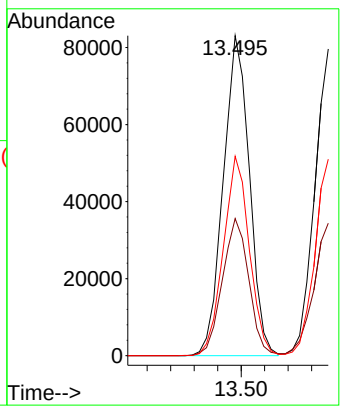




#87
1,3-Dichlorobenzene
Concen: 19.264 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:146 Resp: 12841

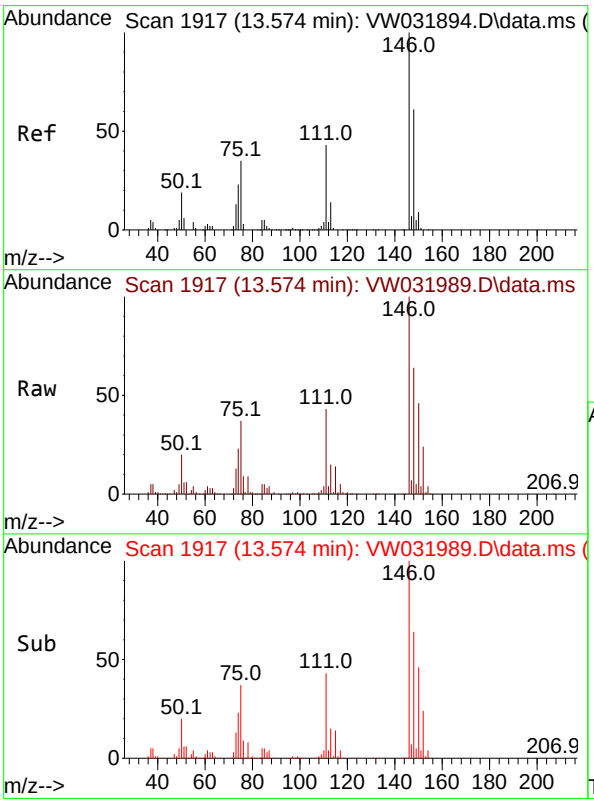
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	62.0	31.9	95.5



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

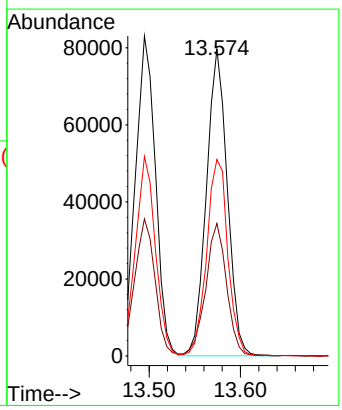
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

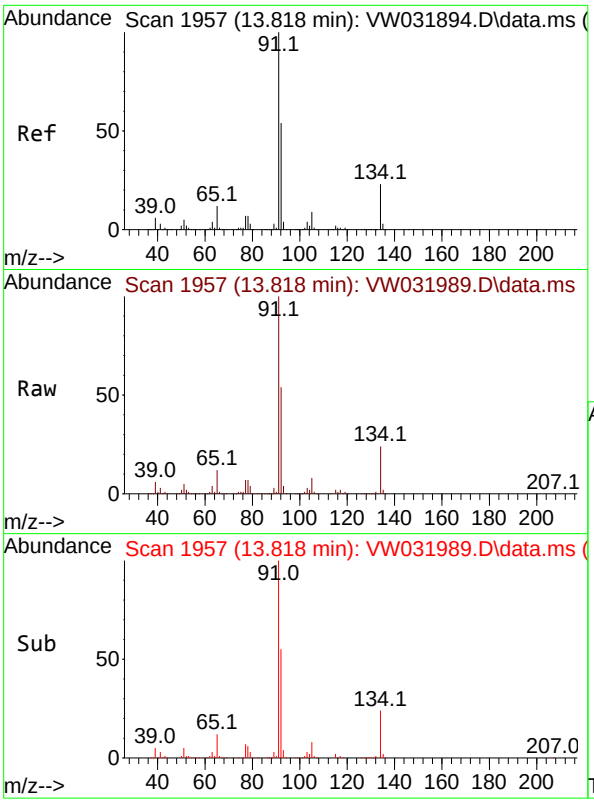


#88
1,4-Dichlorobenzene
Concen: 19.379 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:146 Resp: 126546

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	65.4	31.8	95.3





#89
n-Butylbenzene
Concen: 18.177 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

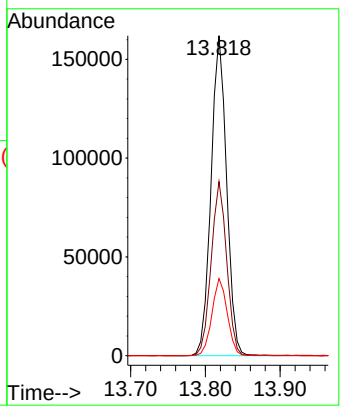
Tgt Ion: 91 Resp: 23402

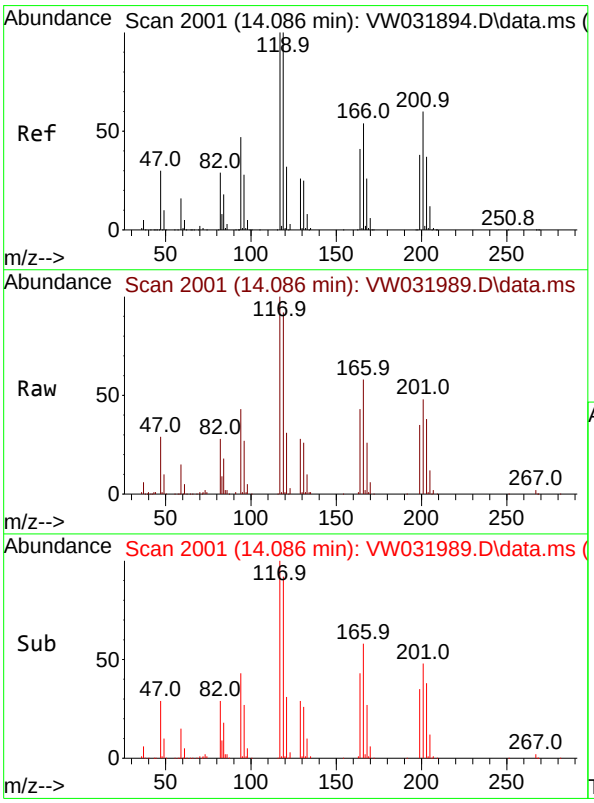
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	23.8	11.6	34.7

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

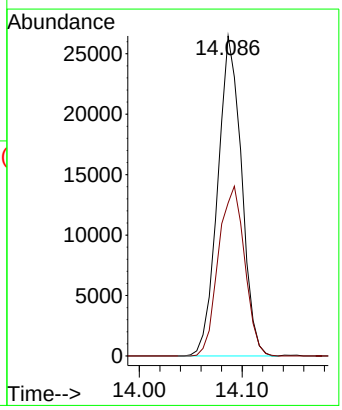


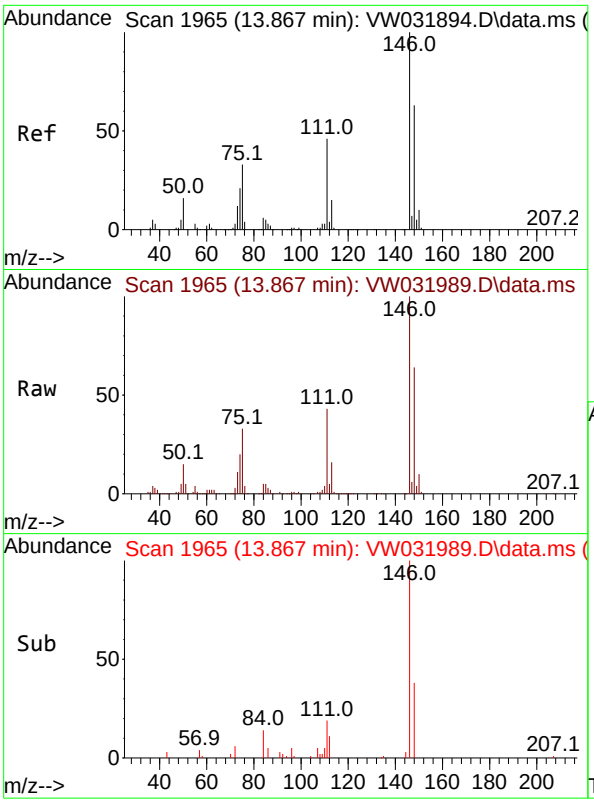


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:117 Resp: 42519

Ion	Ratio	Lower	Upper
117	100		
201	58.5	28.4	85.2

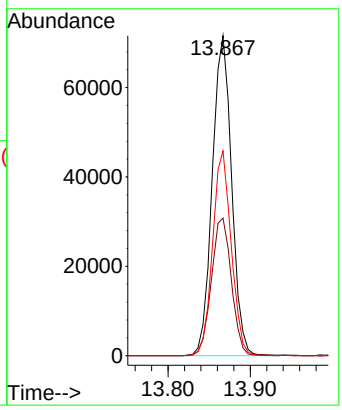




#91
1,2-Dichlorobenzene
Concen: 19.754 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:146 Resp: 11669

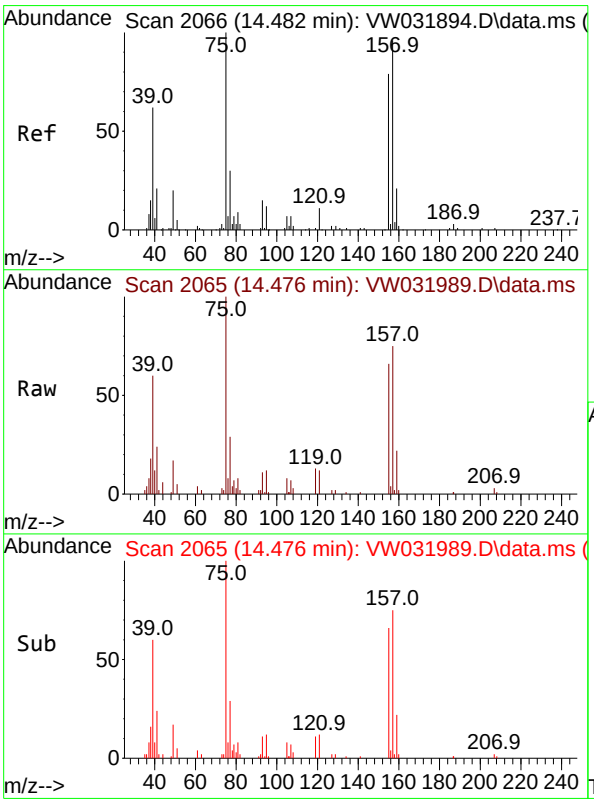
Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.6	71.0
148	61.6	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

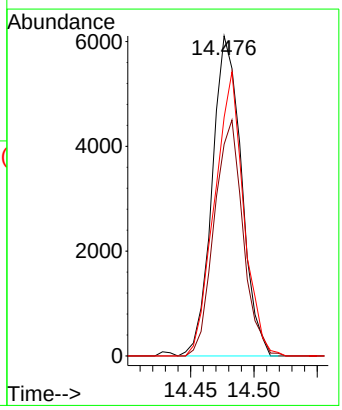
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

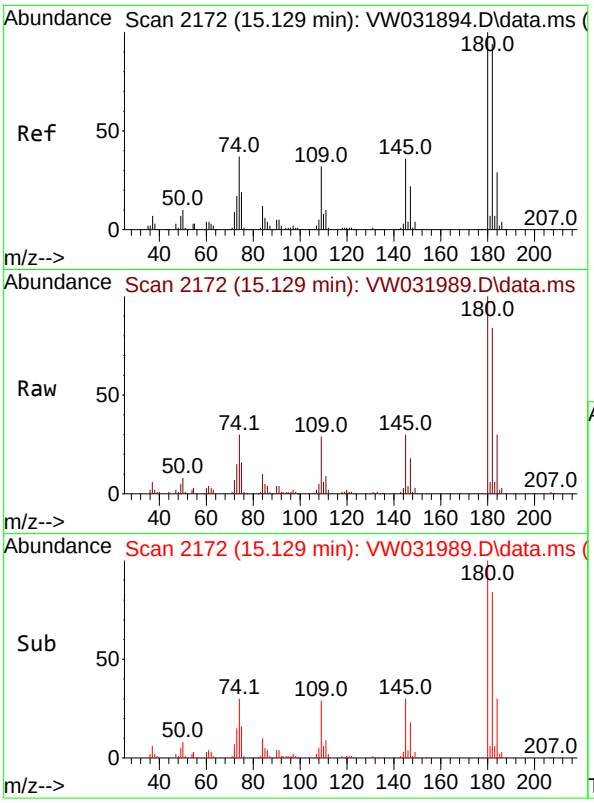


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.291 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 9814

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	88.1	47.4	142.2





#93
1,2,4-Trichlorobenzene
Concen: 19.753 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

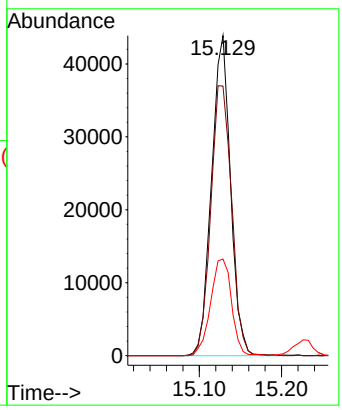
Tgt Ion:180 Resp: 7037

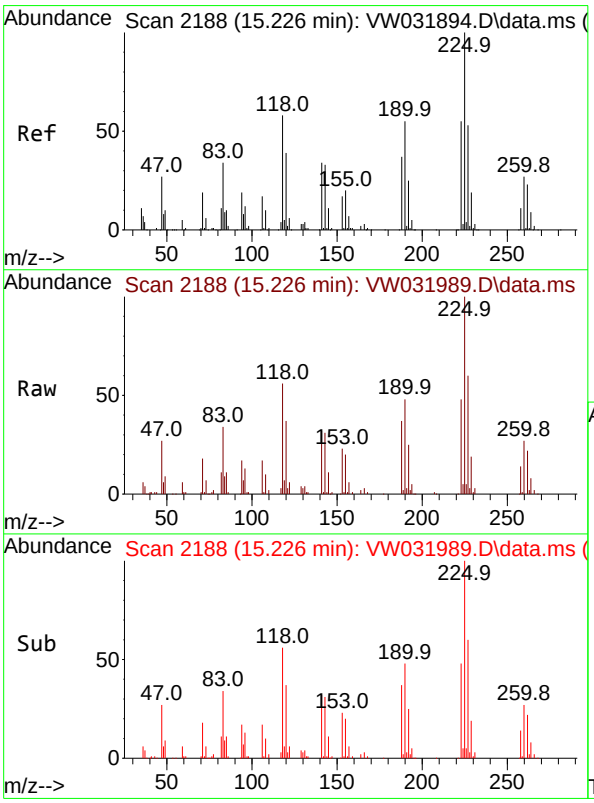
Ion	Ratio	Lower	Upper
180	100		
182	92.7	51.0	153.1
145	33.3	18.4	55.4

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025

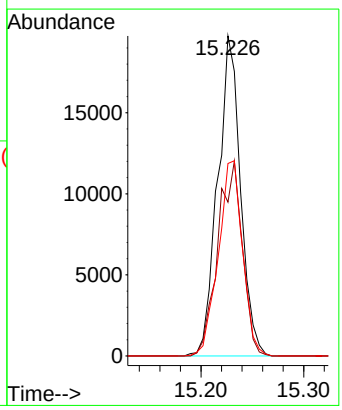


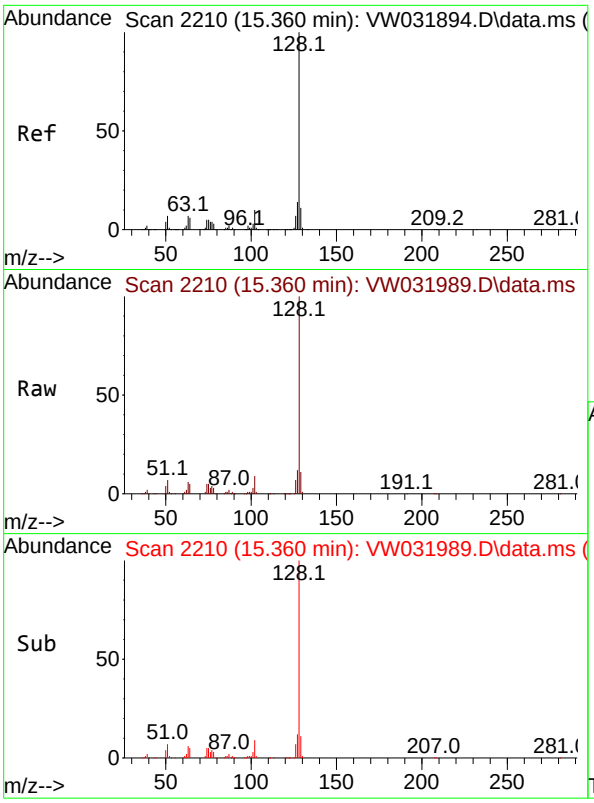


#94
Hexachlorobutadiene
Concen: 17.967 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:225 Resp: 30332

Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.9	92.7
227	65.0	30.0	90.1

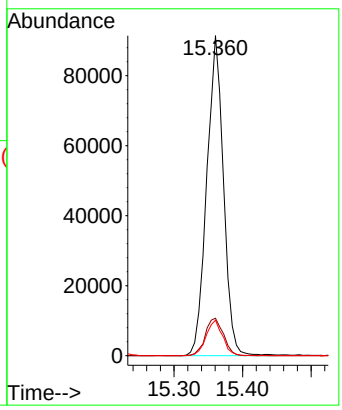




#95
Naphthalene
Concen: 17.749 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:128 Resp: 15546

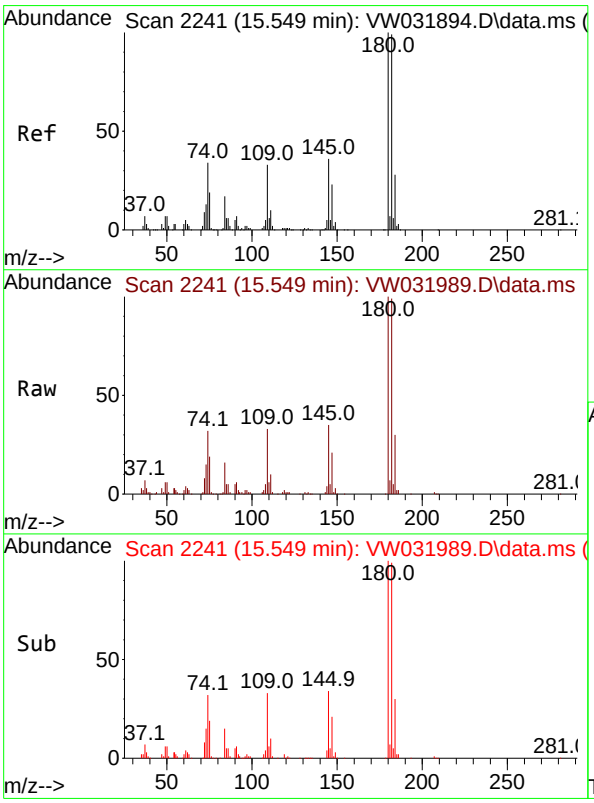
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.0	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Manual Integrations
APPROVED

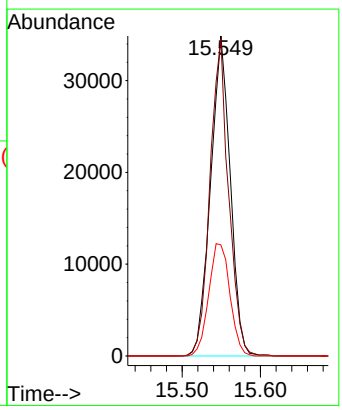
Reviewed By :Mahesh Dadoda 08/05/2025
Supervised By :Semsettin Yesilyurt 08/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.855 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:180 Resp: 60864

Ion	Ratio	Lower	Upper
180	100		
182	93.8	50.4	151.2
145	37.8	18.6	55.8



Raw Data: **VW031974.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBSD01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.016		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.018		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.017		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.018		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.10		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.017		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.10		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.098		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.018		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.016		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.019		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.098		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.018		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.019		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.019		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.019		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.022		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0036	0.013	0.025	mg/Kg

Raw Data: **VW031974.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBSD01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.022		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.10		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.019		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.019		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.058		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.019		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.017		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.019		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.018		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.018		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.018		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.019		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.018		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.018		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.018		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.018		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.019		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.019		0.0016	0.0025	0.0050	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0801SBSD01	SDG No.:	Q2747
Lab Sample ID:	VW0801SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.018		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.019		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.018		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.017		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	221000	7.959				
540-36-3	1,4-Difluorobenzene	398000	8.855				
3114-55-4	Chlorobenzene-d5	370000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556				

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	398144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167609	50.222	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.440%			
35) Dibromofluoromethane	7.898	113	141003	52.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.240%			
50) Toluene-d8	10.325	98	527673	51.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.617	95	201472	51.243	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26504	16.164	ug/l	95
3) Chloromethane	2.253	50	38199	18.151	ug/l	98
4) Vinyl Chloride	2.405	62	46485	17.004	ug/l	97
5) Bromomethane	2.826	94	37029	18.394	ug/l	100
6) Chloroethane	2.966	64	33726	18.692	ug/l	99
7) Trichlorofluoromethane	3.308	101	48255	17.427	ug/l	96
8) Diethyl Ether	3.722	74	35045	18.947	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	49682	18.654	ug/l	98
10) Methyl Iodide	4.314	142	75262	18.900	ug/l	99
11) Tert butyl alcohol	5.234	59	19858	101.227	ug/l	98
12) 1,1-Dichloroethene	4.076	96	54543	18.541	ug/l	94
13) Acrolein	3.936	56	17192	55.321	ug/l	96
14) Allyl chloride	4.704	41	83650	18.267	ug/l	99
15) Acrylonitrile	5.411	53	83695	101.212	ug/l	98
16) Acetone	4.167	43	77524	97.892	ug/l	100
17) Carbon Disulfide	4.423	76	135754	17.794	ug/l	99
18) Methyl Acetate	4.710	43	49977	22.906	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	103696	20.402	ug/l	98
20) Methylene Chloride	4.954	84	65104	16.062	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59045	18.918	ug/l	91
22) Diisopropyl ether	6.338	45	179296	19.567	ug/l	94
23) Vinyl Acetate	6.289	43	569393	95.112	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110392	19.349	ug/l	99
25) 2-Butanone	7.197	43	106124	97.941	ug/l	97
26) 2,2-Dichloropropane	7.185	77	58059	17.975	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	70949	19.336	ug/l	98
28) Bromochloromethane	7.533	49	45657	19.114	ug/l	94
29) Tetrahydrofuran	7.557	42	71024	99.977	ug/l	99
30) Chloroform	7.697	83	118708	19.845	ug/l	100
31) Cyclohexane	7.971	56	89959	17.576	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	85597	18.805	ug/l	99
36) 1,1-Dichloropropene	8.100	75	78940	19.000	ug/l	99
37) Ethyl Acetate	7.276	43	49293	20.798	ug/l	99
38) Carbon Tetrachloride	8.087	117	78235	19.620	ug/l	94
39) Methylcyclohexane	9.343	83	92958	17.779	ug/l	96
40) Benzene	8.337	78	248680	20.220	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	28527	20.106	ug/l		97
42) 1,2-Dichloroethane	8.410	62	82094	20.856	ug/l		100
43) Isopropyl Acetate	8.435	43	83921	19.559	ug/l		97
44) Trichloroethene	9.099	130	57900	19.806	ug/l		95
45) 1,2-Dichloropropane	9.374	63	59790	20.185	ug/l		99
46) Dibromomethane	9.465	93	39572	21.552	ug/l		96
47) Bromodichloromethane	9.648	83	90989	20.666	ug/l		99
48) Methyl methacrylate	9.441	41	41717	20.436	ug/l		97
49) 1,4-Dioxane	9.471	88	9433	514.860	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.215	43	248332	105.754	ug/l		100
52) Toluene	10.392	92	158330	20.026	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	83143	19.686	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	95666	19.835	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	52594	21.564	ug/l		95
56) Ethyl methacrylate	10.648	69	69824	20.271	ug/l		99
57) 1,3-Dichloropropane	10.934	76	91728	21.348	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	116121	65.630	ug/l		99
59) 2-Hexanone	10.971	43	170083	104.203	ug/l		99
60) Dibromochloromethane	11.129	129	59250	20.836	ug/l		98
61) 1,2-Dibromoethane	11.239	107	50736	21.052	ug/l		98
64) Tetrachloroethene	10.867	164	46870	19.202	ug/l	#	81
65) Chlorobenzene	11.660	112	176168	19.442	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	55265	19.674	ug/l		99
67) Ethyl Benzene	11.733	91	295776	18.579	ug/l		99
68) m/p-Xylenes	11.837	106	232252	38.752	ug/l		97
69) o-Xylene	12.166	106	108231	19.082	ug/l		100
70) Styrene	12.178	104	188534	19.523	ug/l		98
71) Bromoform	12.349	173	31306	20.378	ug/l	#	98
73) Isopropylbenzene	12.458	105	270032	17.378	ug/l		97
74) N-amyl acetate	12.269	43	75603	17.998	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	64603	19.587	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	47535m	19.226	ug/l		
77) Bromobenzene	12.745	156	63035	18.749	ug/l		98
78) n-propylbenzene	12.800	91	341470	17.893	ug/l		98
79) 2-Chlorotoluene	12.891	91	208047	18.259	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	235990	18.109	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	17945	16.756	ug/l		94
82) 4-Chlorotoluene	12.989	91	222703	18.631	ug/l		100
83) tert-Butylbenzene	13.202	119	197280	17.772	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239109	18.128	ug/l		98
85) sec-Butylbenzene	13.379	105	292862	17.568	ug/l		100
86) p-Isopropyltoluene	13.495	119	243490	17.672	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	130590	18.660	ug/l		98
88) 1,4-Dichlorobenzene	13.580	146	129287	18.859	ug/l		99
89) n-Butylbenzene	13.818	91	236649	17.508	ug/l		98
90) Hexachloroethane	14.086	117	43163	18.116	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	119275	19.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11431	19.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.123	180	65949	17.632	ug/l		98
94) Hexachlorobutadiene	15.226	225	31008	17.495	ug/l		99
95) Naphthalene	15.360	128	175224	19.055	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	63480	18.732	ug/l		95

Sample Results: **VW031974.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

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

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

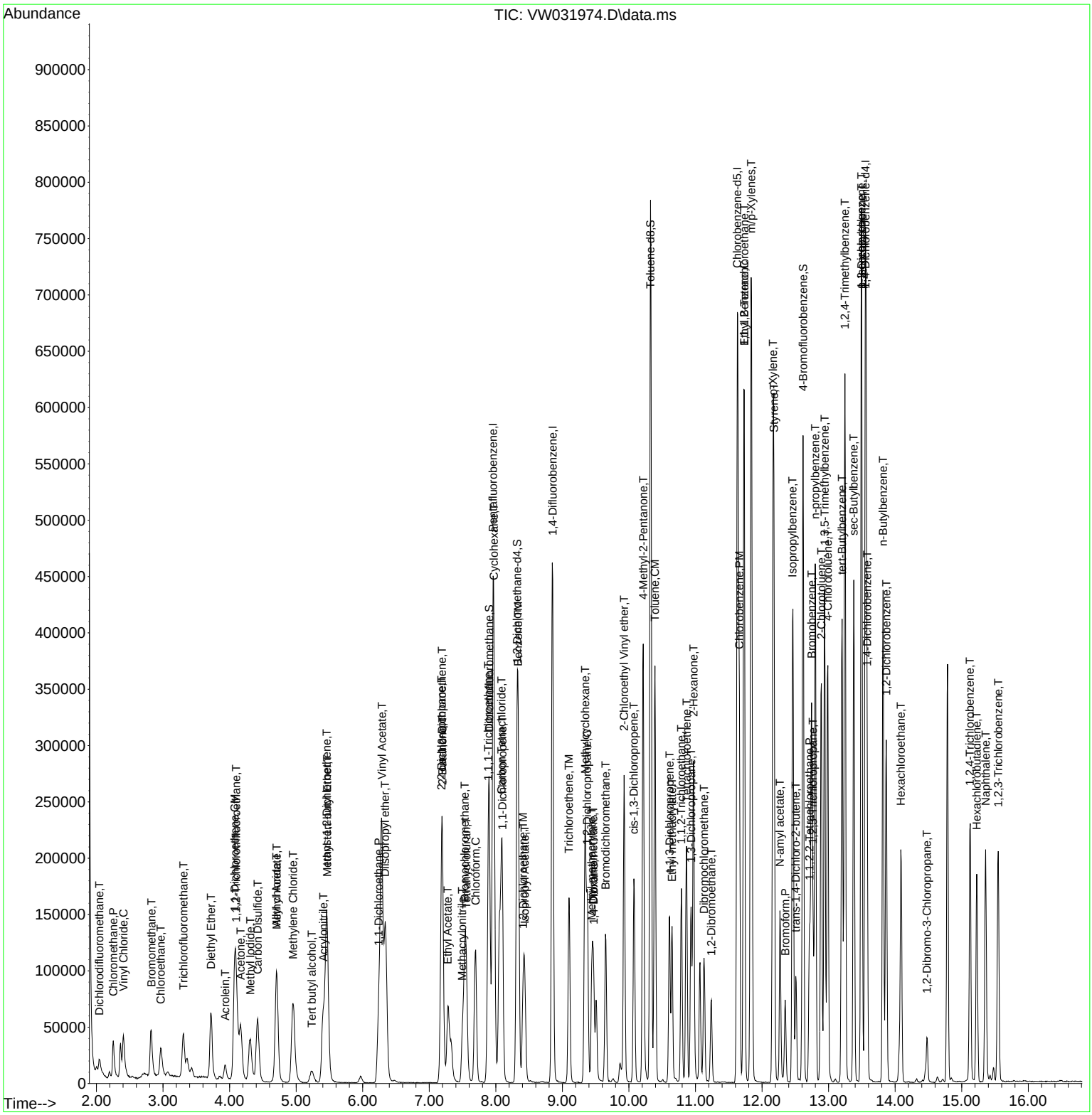
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Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

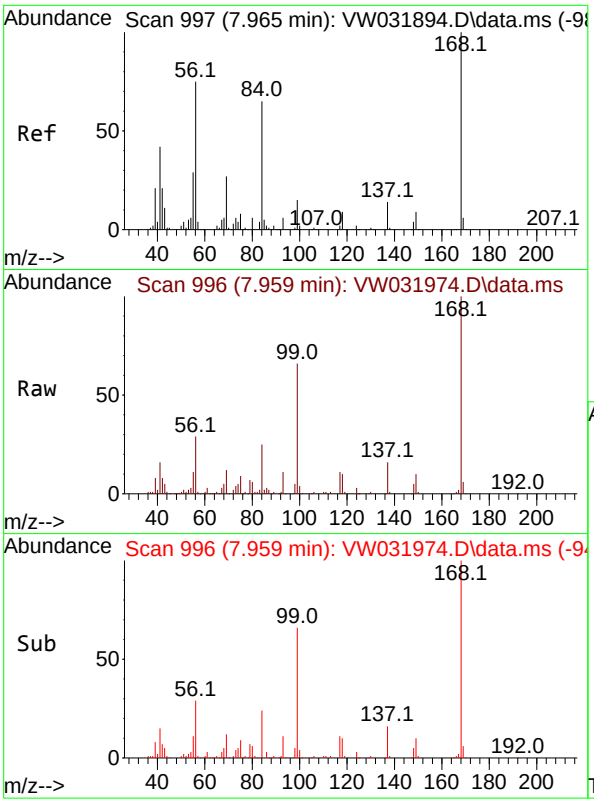
Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

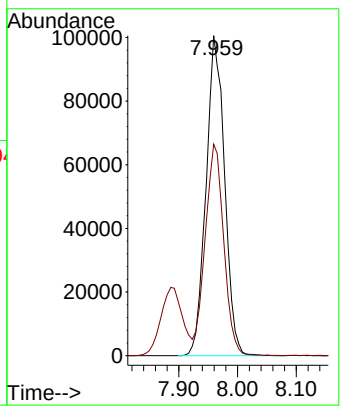




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:168 Resp: 22061

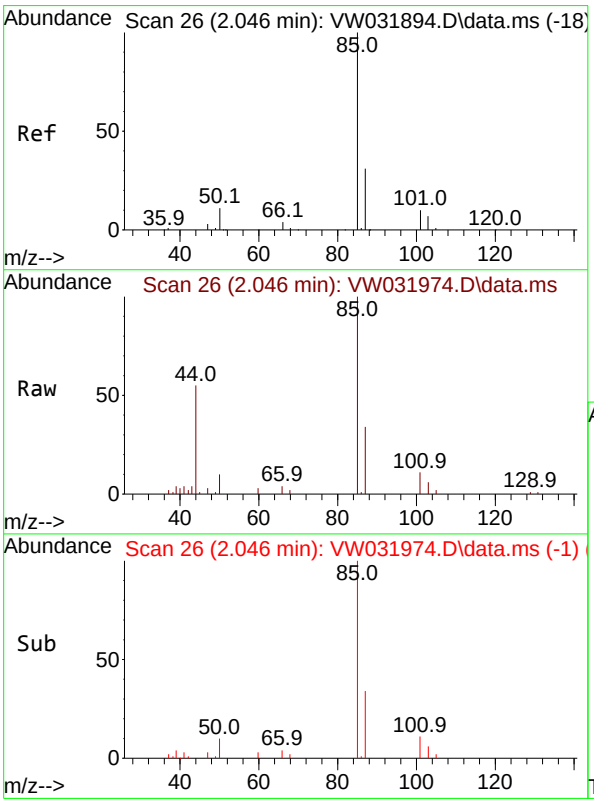
Ion	Ratio	Lower	Upper
168	100		
99	66.0	48.2	72.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

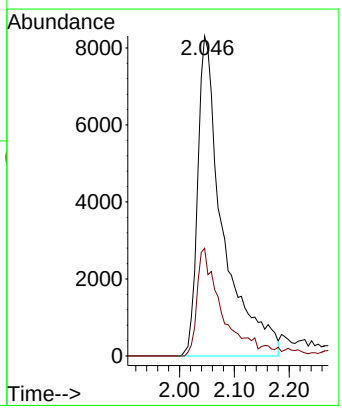
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

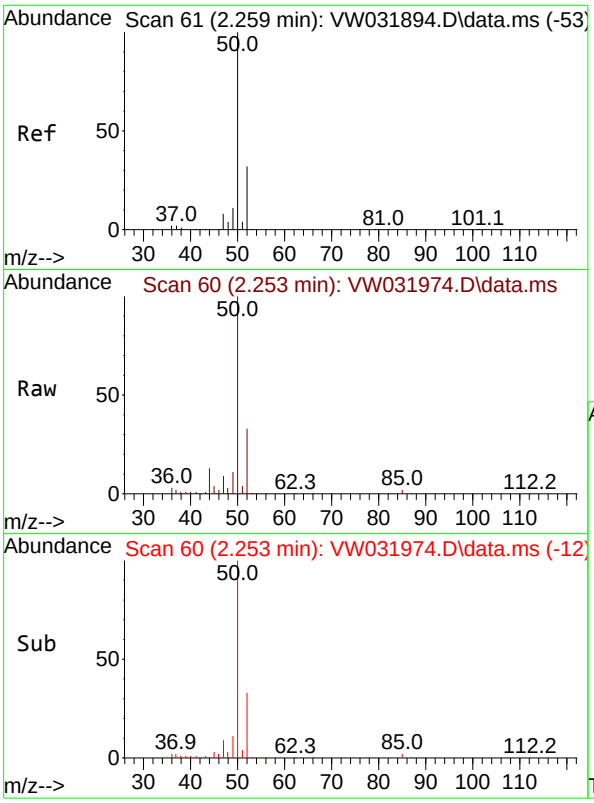


#2
Dichlorodifluoromethane
Concen: 16.164 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 85 Resp: 26504

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.5	46.5

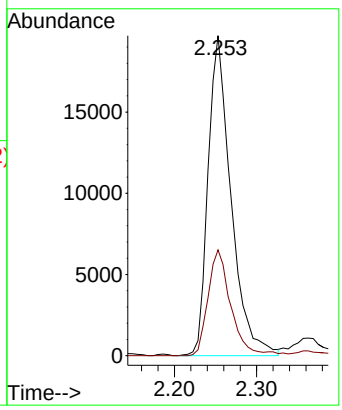




#3
Chloromethane
Concen: 18.151 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 50 Resp: 3819

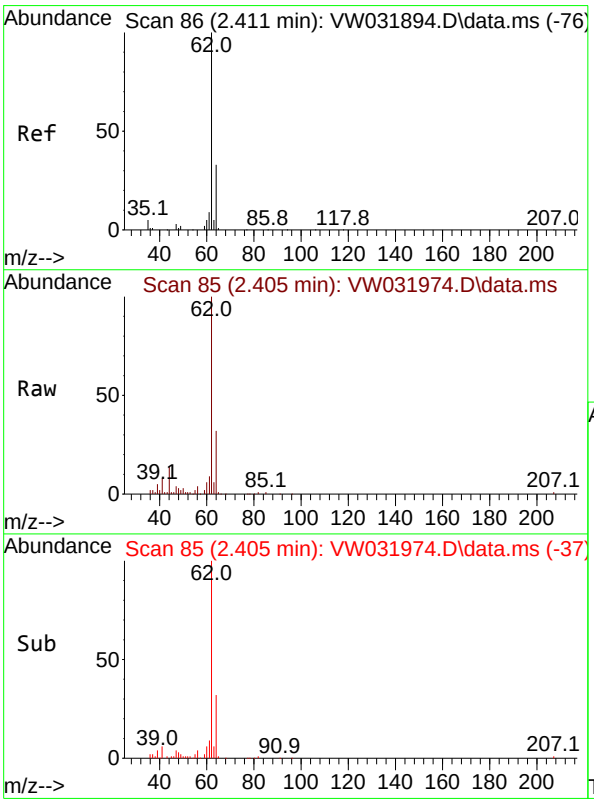
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.7	38.5



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

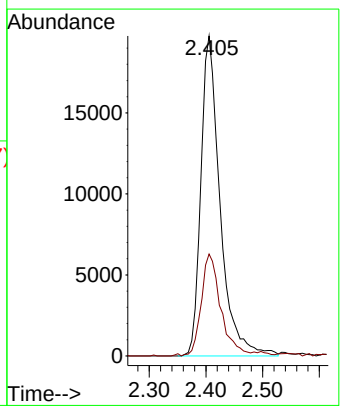
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

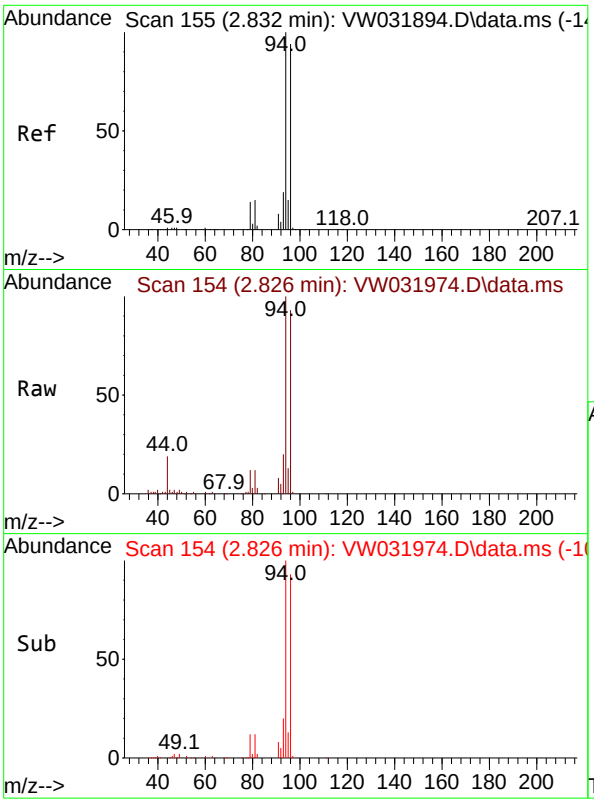


#4
Vinyl Chloride
Concen: 17.004 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 62 Resp: 46485

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2





#5
Bromomethane
Concen: 18.394 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

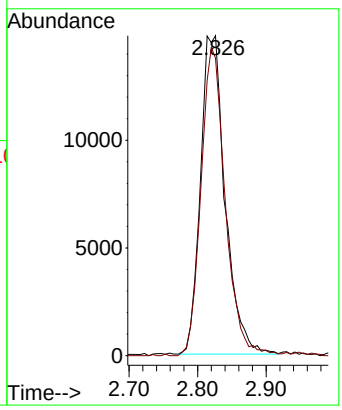
Tgt Ion: 94 Resp: 3702

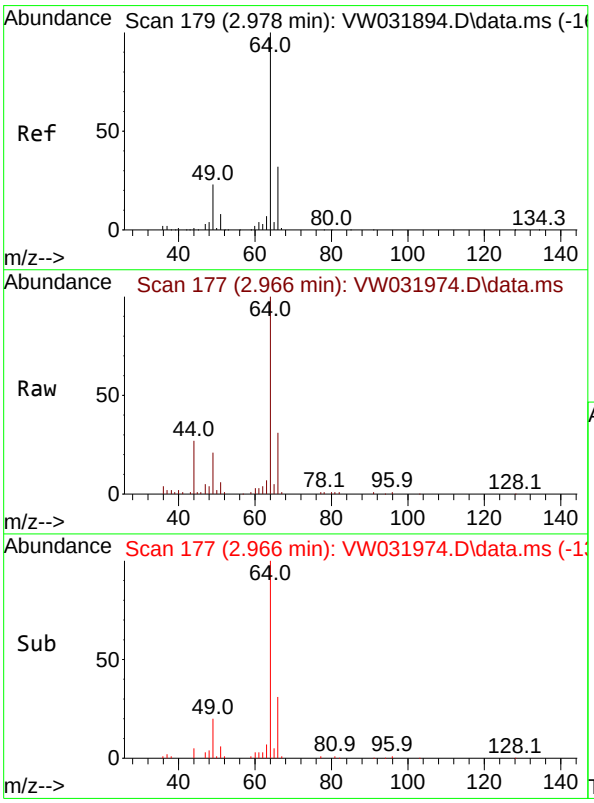
Ion	Ratio	Lower	Upper
94	100		
96	93.4	75.0	112.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

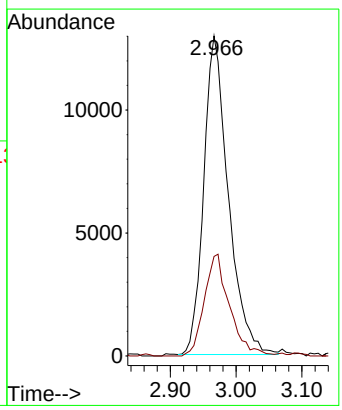


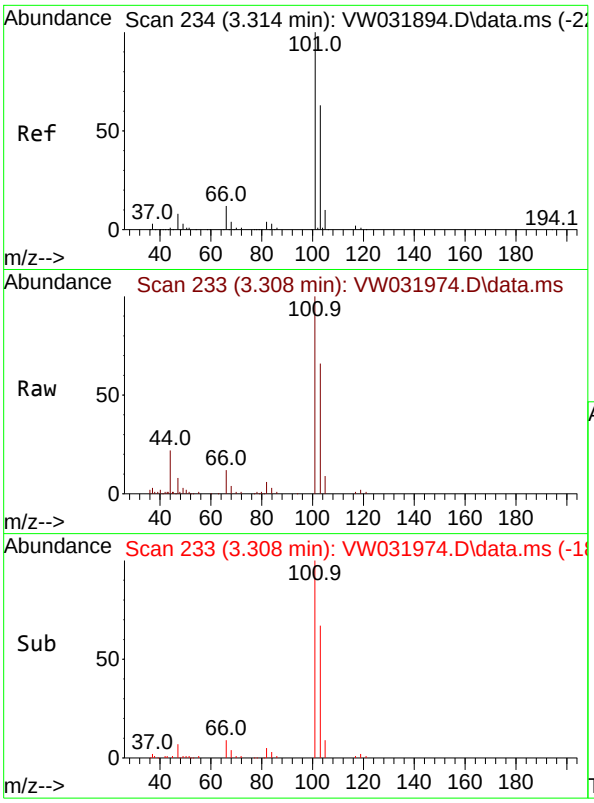


#6
Chloroethane
Concen: 18.692 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 64 Resp: 33726

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.6	38.4





#7
Trichlorofluoromethane
Concen: 17.427 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

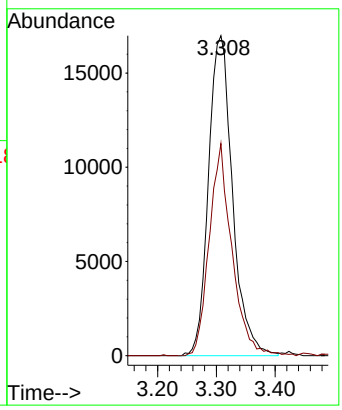
Tgt Ion:101 Resp: 4825

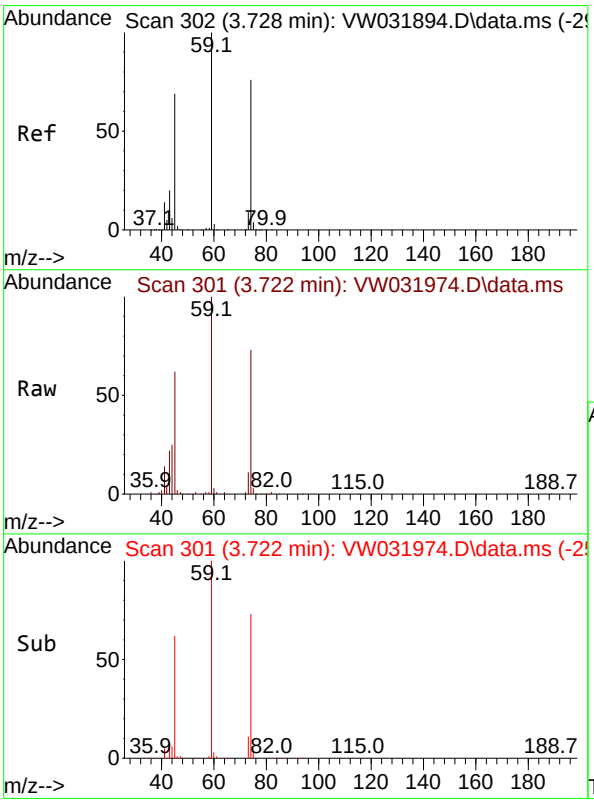
Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.7	76.1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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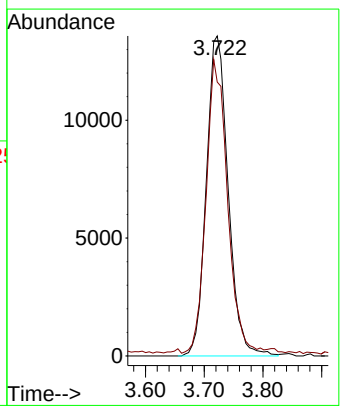


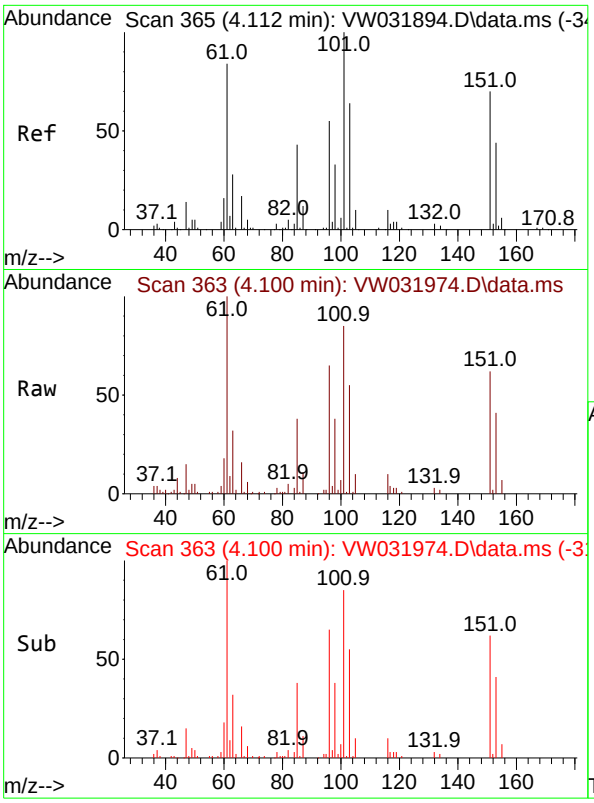


#8
Diethyl Ether
Concen: 18.947 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 74 Resp: 35045

Ion	Ratio	Lower	Upper
74	100		
45	90.0	45.5	136.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.654 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

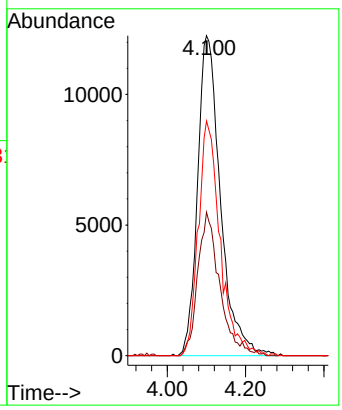
Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

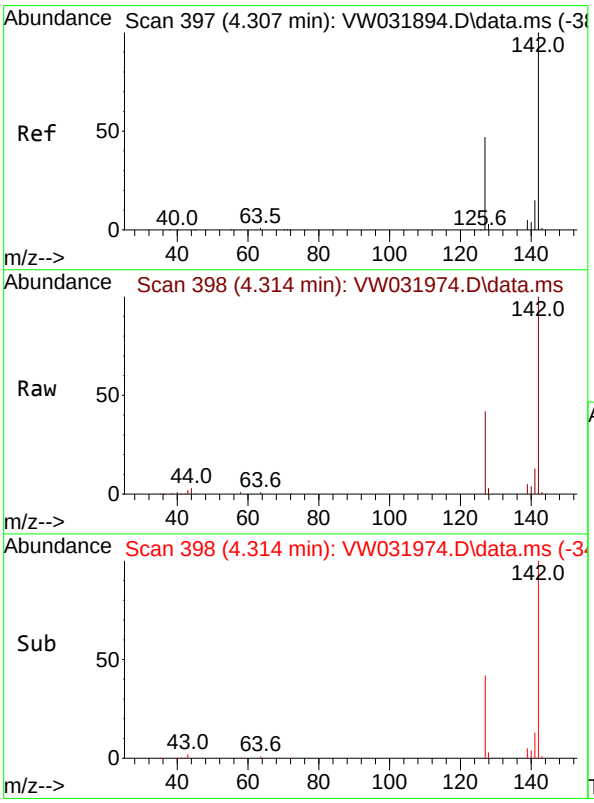
Tgt Ion:101 Resp: 4968

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.5	53.3
151	69.8	54.6	81.8

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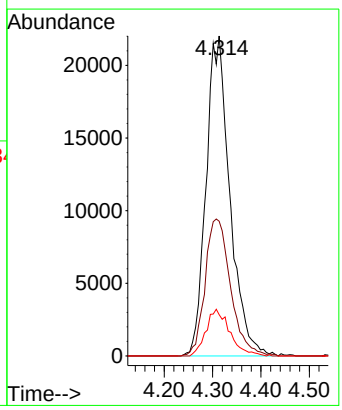


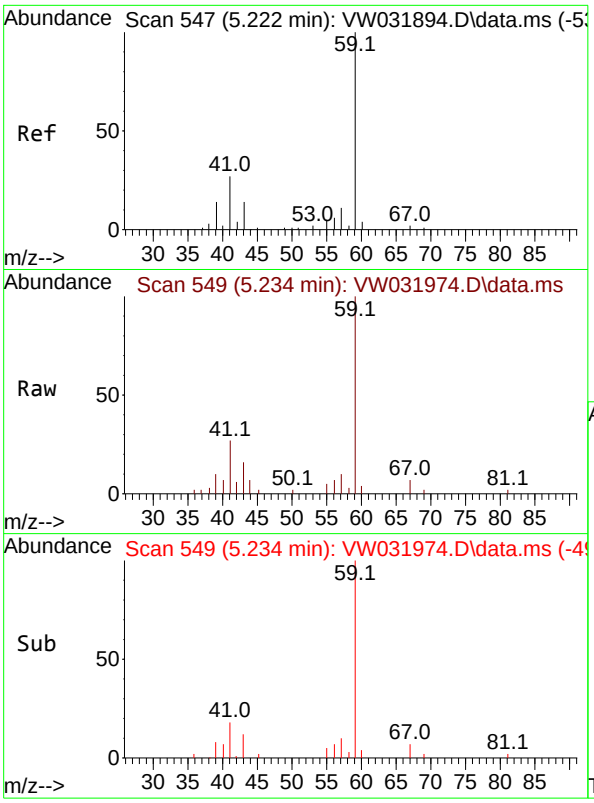


#10
Methyl Iodide
Concen: 18.900 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:142 Resp: 75262

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.4	56.2
141	14.6	11.9	17.9





#11
Tert butyl alcohol
Concen: 101.227 ug/l
RT: 5.234 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

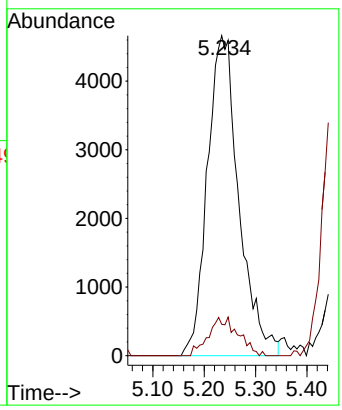
Tgt Ion: 59 Resp: 1985

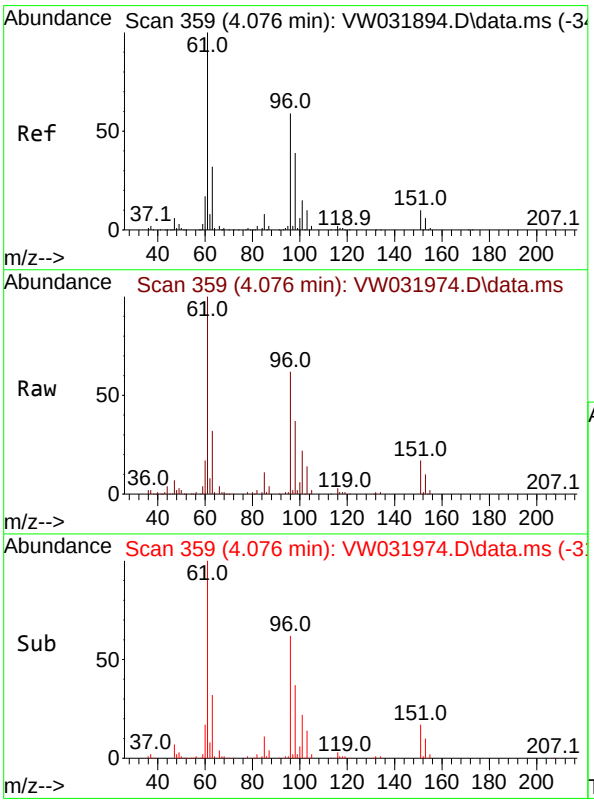
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

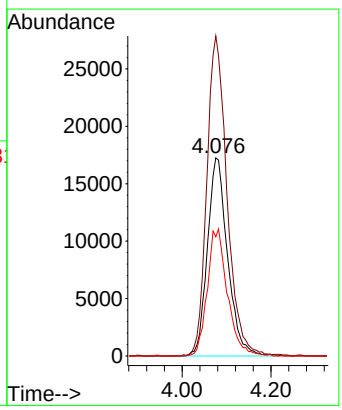


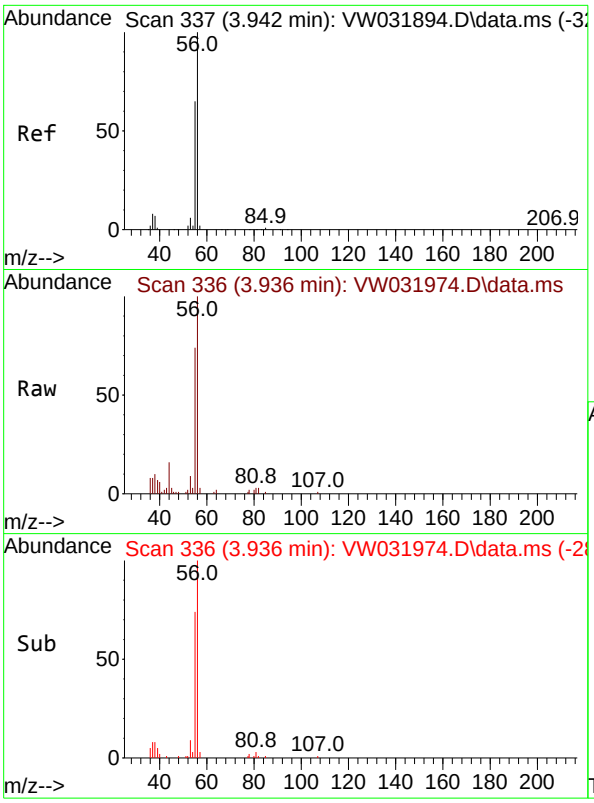


#12
1,1-Dichloroethene
Concen: 18.541 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 96 Resp: 54543

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.0	202.6
98	60.1	52.3	78.5





#13
Acrolein
Concen: 55.321 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

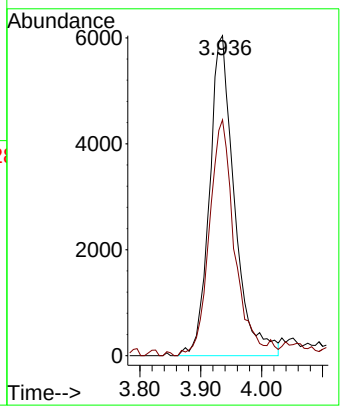
Tgt Ion: 56 Resp: 1719

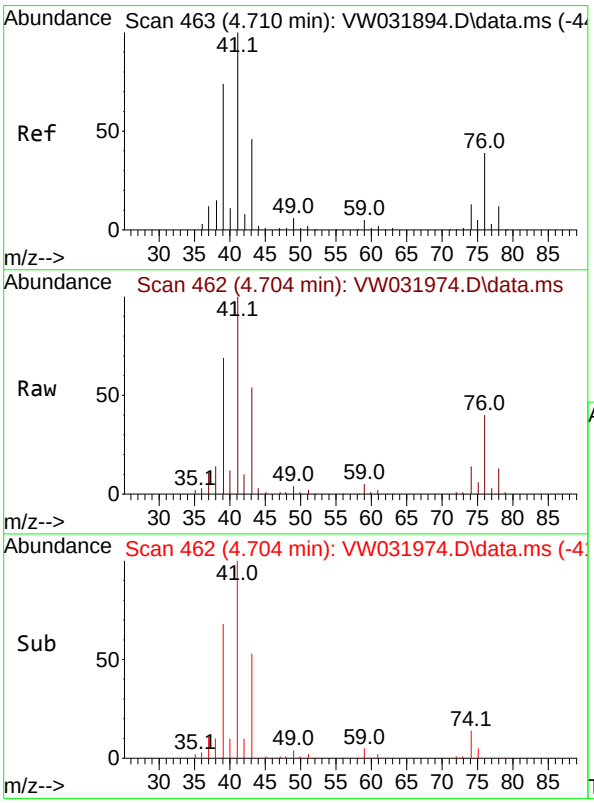
Ion	Ratio	Lower	Upper
56	100		
55	73.8	56.7	85.1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Supervised By :Semsettin Yesilyurt 08/04/2025

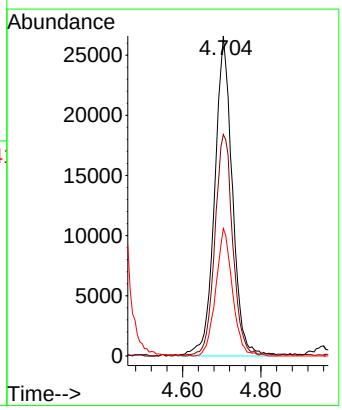


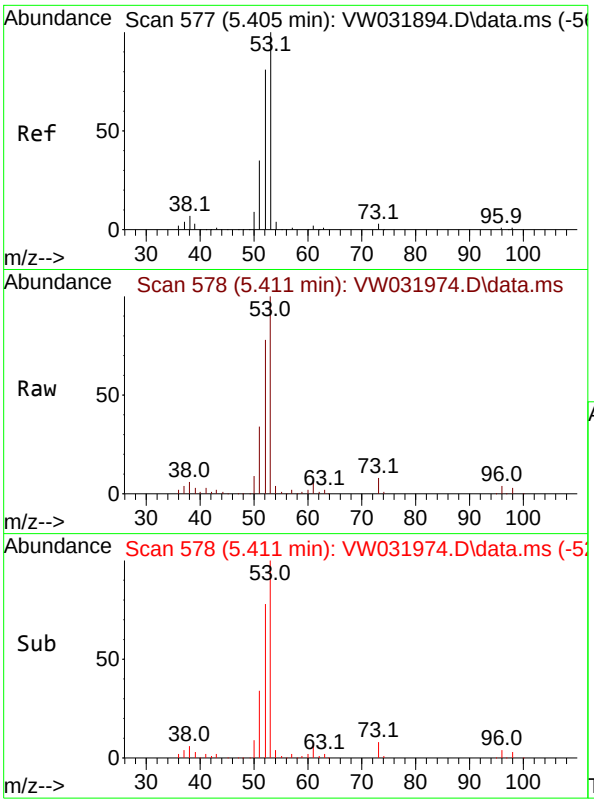


#14
Allyl chloride
Concen: 18.267 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 41 Resp: 83650

Ion	Ratio	Lower	Upper
41	100		
39	69.1	56.6	85.0
76	37.4	30.1	45.1

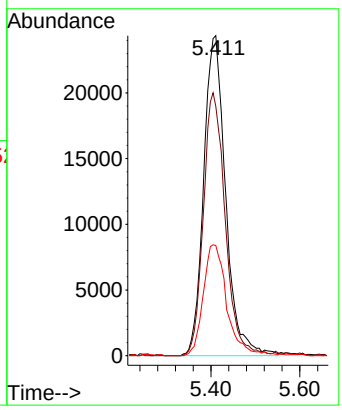




#15
Acrylonitrile
Concen: 101.212 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 53 Resp: 8369

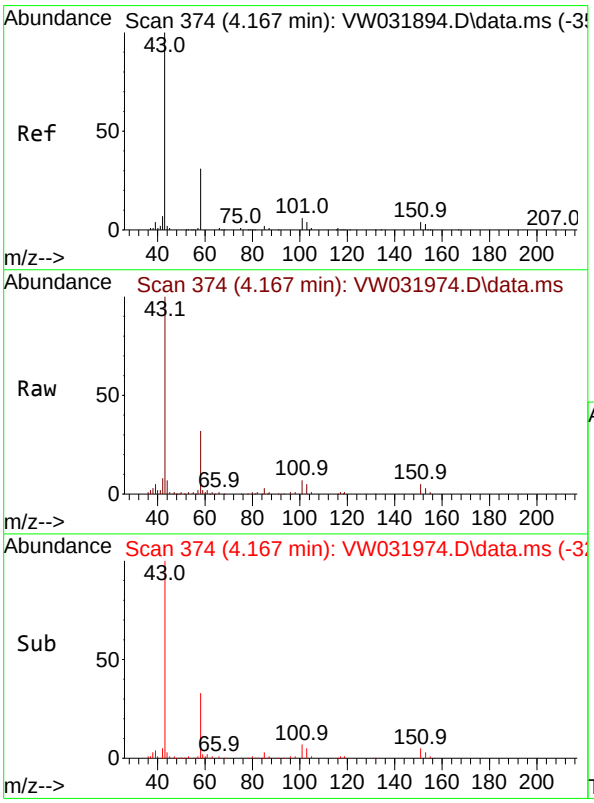
Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.0	100.4
51	37.4	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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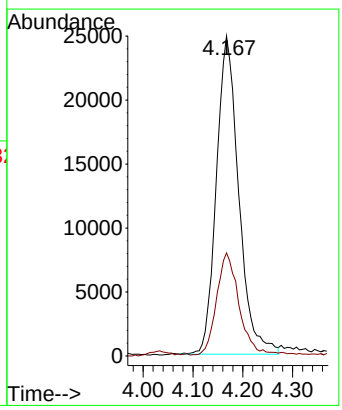
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

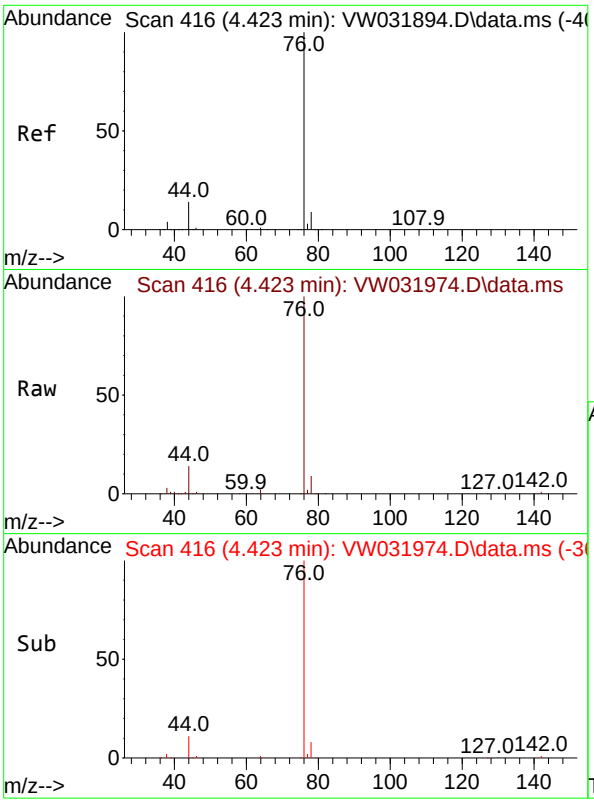


#16
Acetone
Concen: 97.892 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 77524

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3

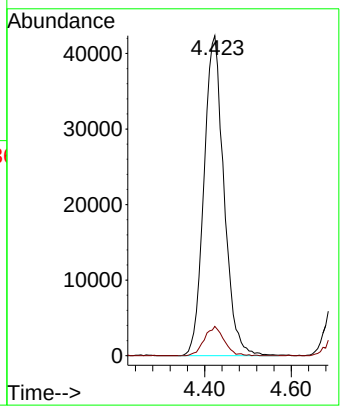




#17
Carbon Disulfide
Concen: 17.794 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 76 Resp: 13575

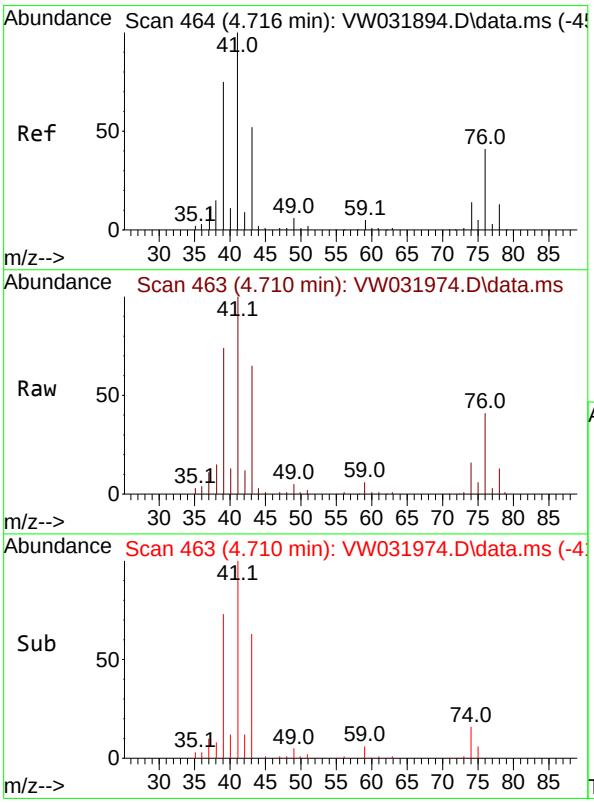
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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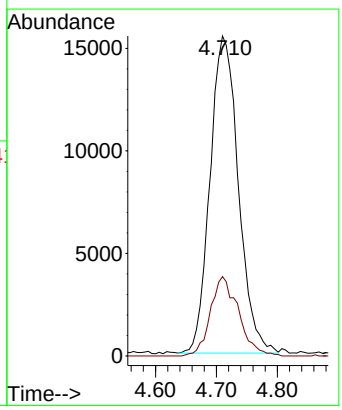
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

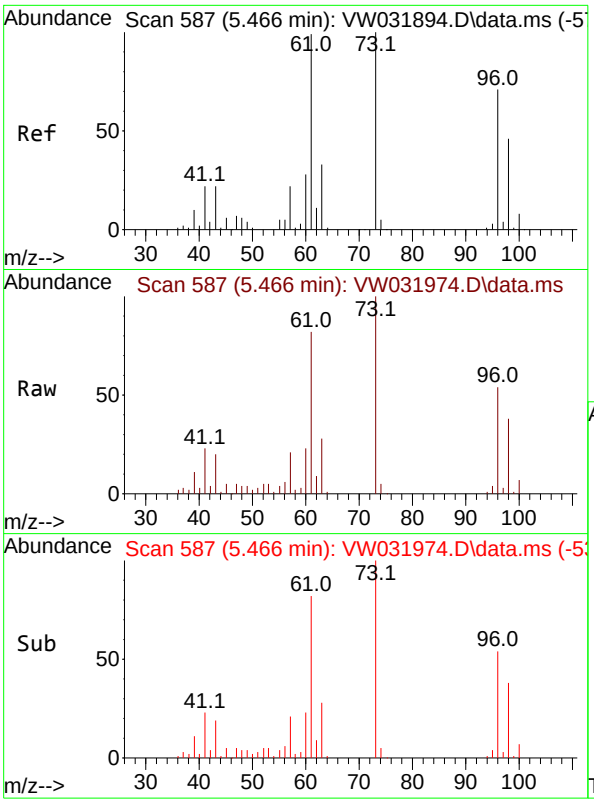


#18
Methyl Acetate
Concen: 22.906 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 49977

Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.6	31.0

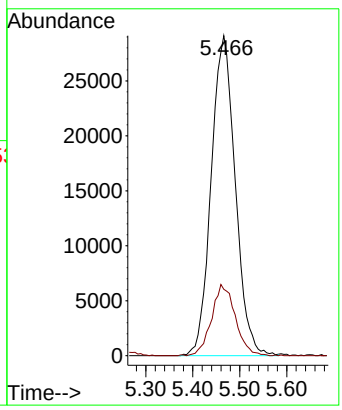




#19
Methyl tert-butyl Ether
Concen: 20.402 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 73 Resp: 10369

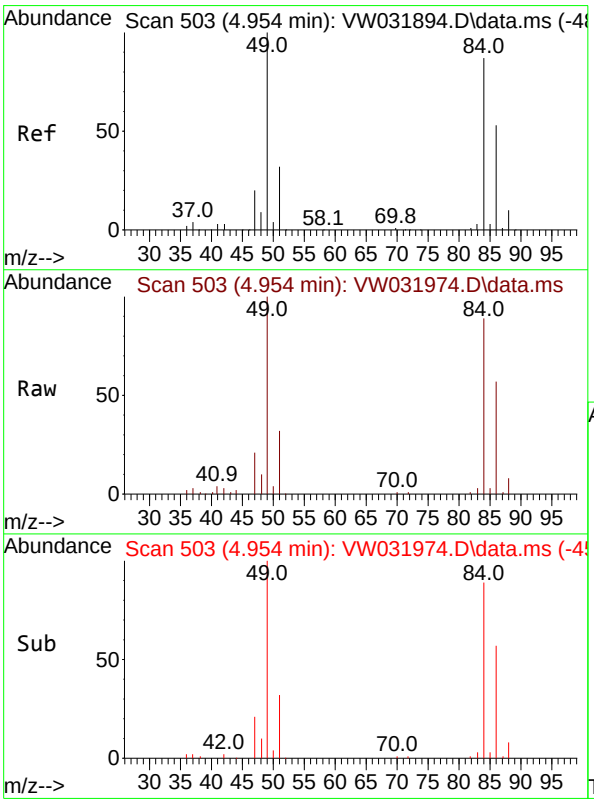
Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.5	26.3



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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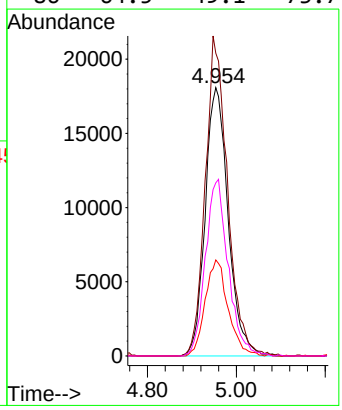
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

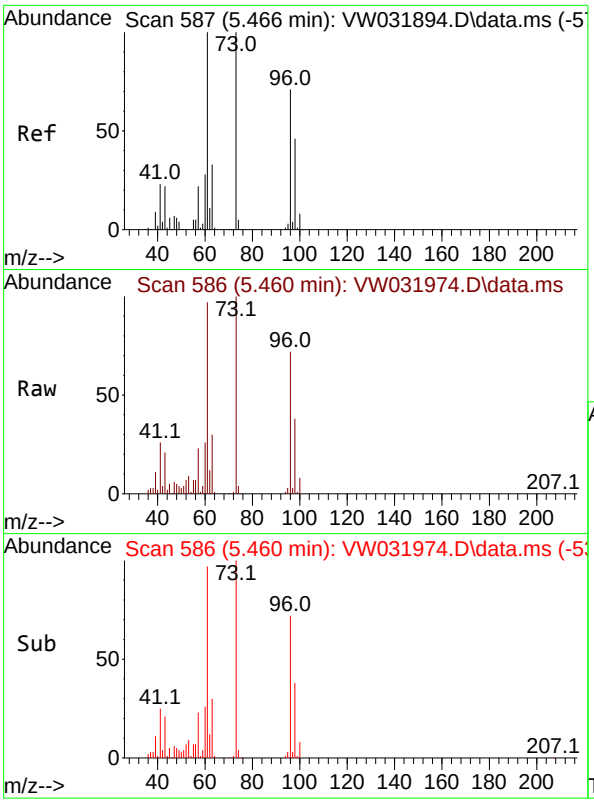


#20
Methylene Chloride
Concen: 16.062 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 84 Resp: 65104

Ion	Ratio	Lower	Upper
84	100		
49	112.8	91.9	137.9
51	35.8	29.0	43.6
86	64.5	49.1	73.7

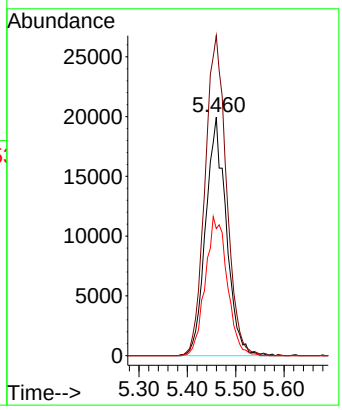




#21
trans-1,2-Dichloroethene
Concen: 18.918 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 96 Resp: 5904

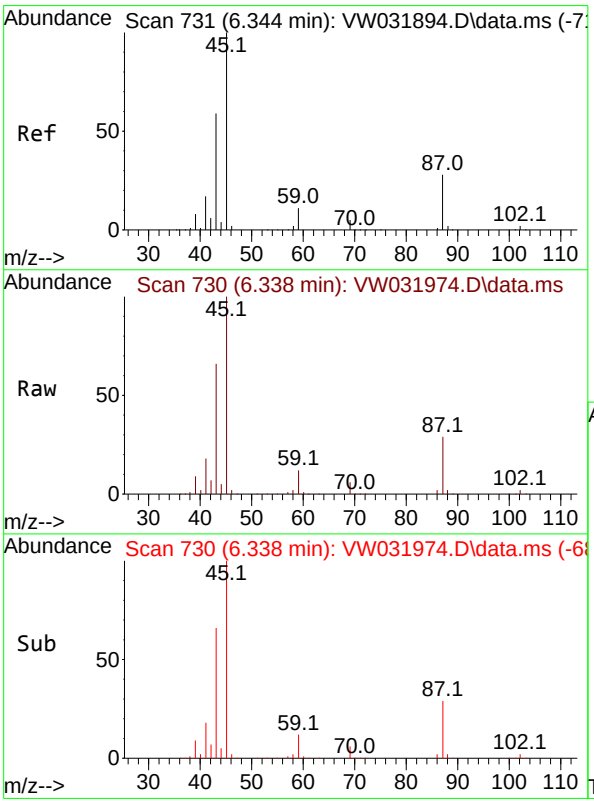
Ion	Ratio	Lower	Upper
96	100		
61	134.1	112.8	169.2
98	53.2	51.9	77.9



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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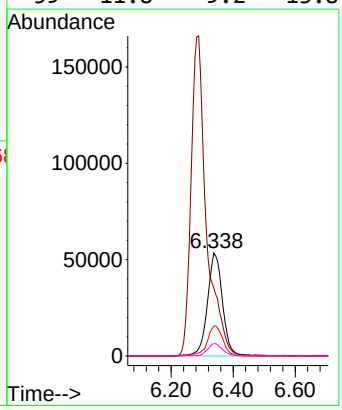
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

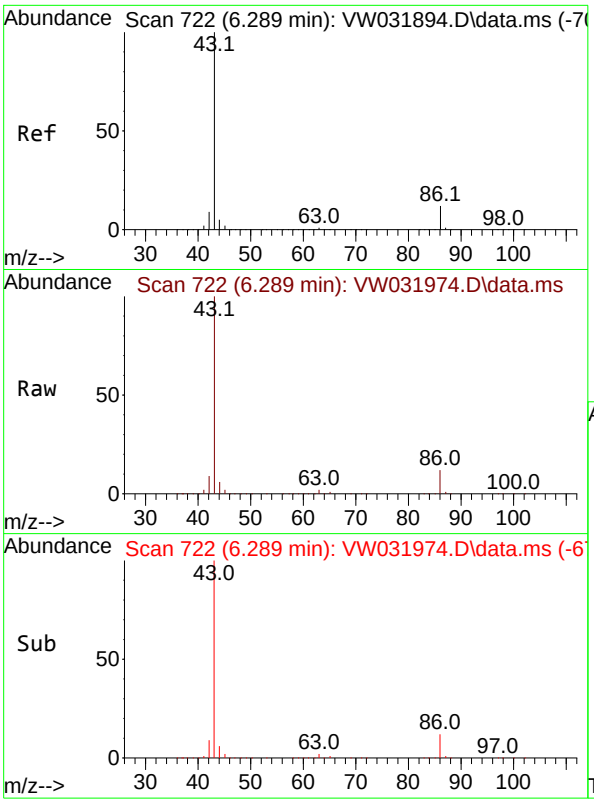


#22
Diisopropyl ether
Concen: 19.567 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 45 Resp: 179296

Ion	Ratio	Lower	Upper
45	100		
43	65.6	47.0	70.6
87	29.2	22.8	34.2
59	11.8	9.2	13.8





#23
Vinyl Acetate
Concen: 95.112 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

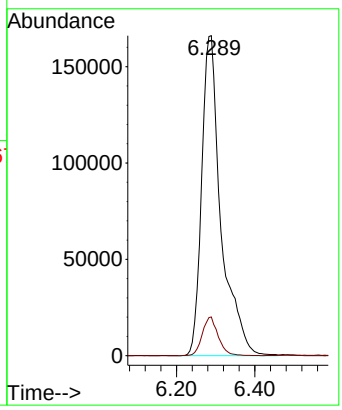
Tgt Ion: 43 Resp: 56939

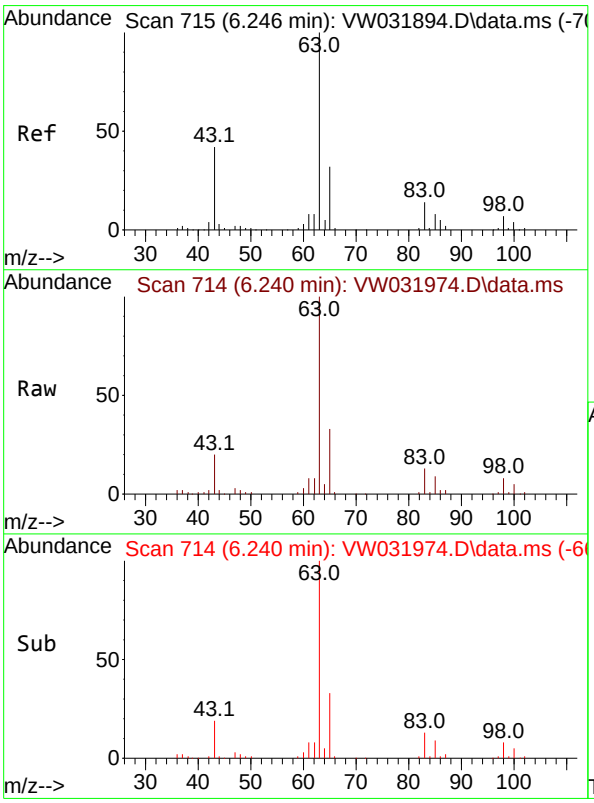
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.4	14.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

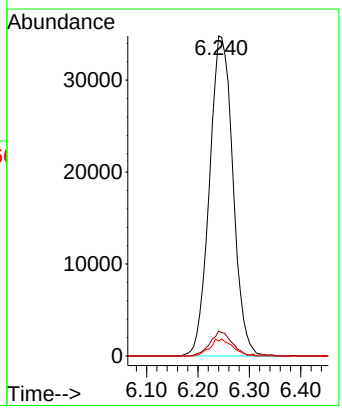


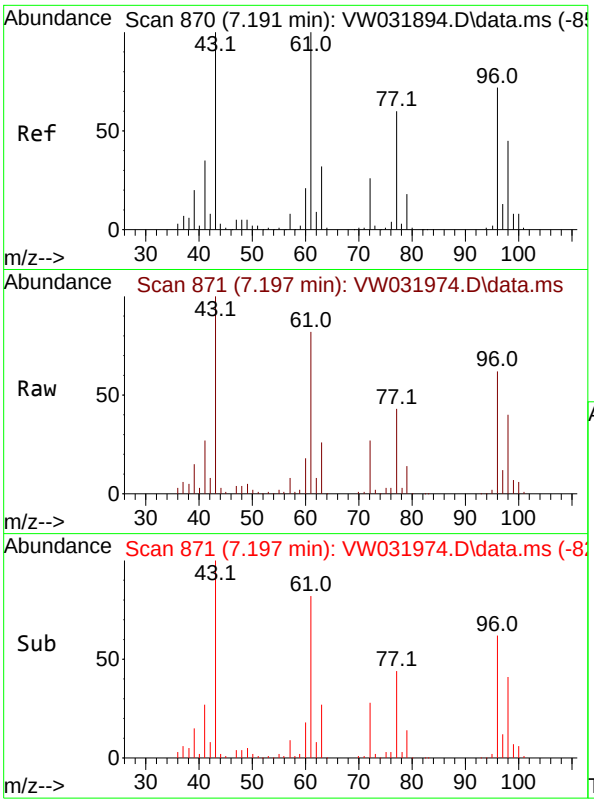


#24
1,1-Dichloroethane
Concen: 19.349 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 63 Resp: 110392

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.9
100	4.6	2.2	6.6





#25
2-Butanone
Concen: 97.941 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

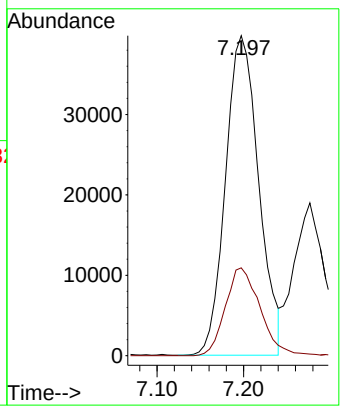
Tgt Ion: 43 Resp: 10612

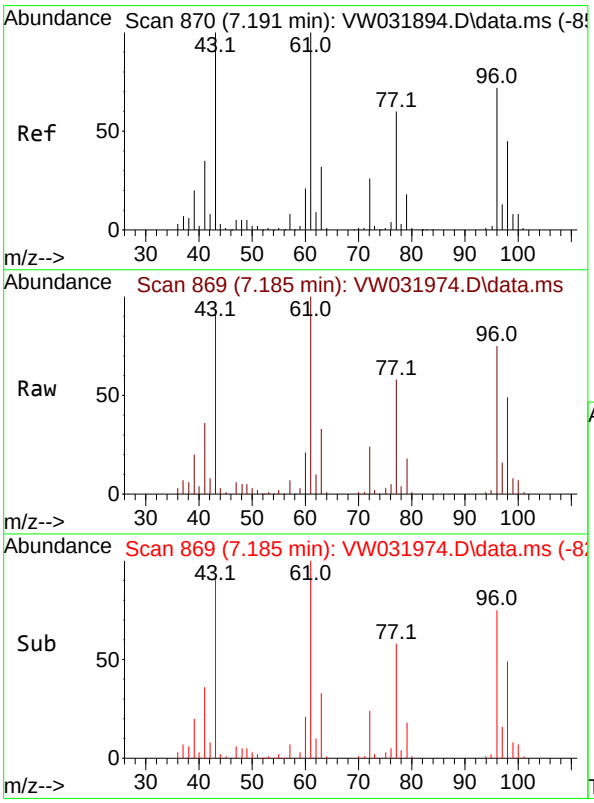
Ion	Ratio	Lower	Upper
43	100		
72	27.5	20.8	31.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

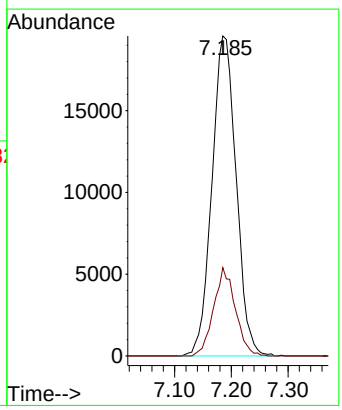


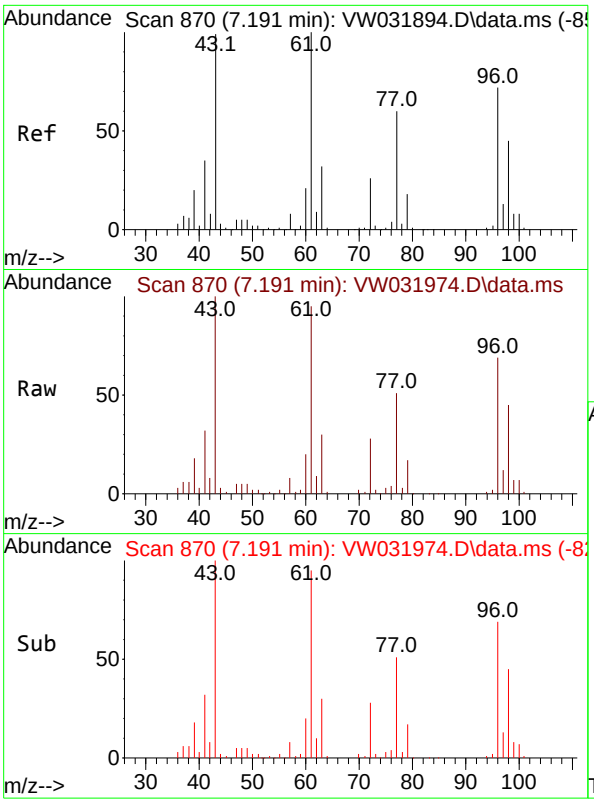


#26
2,2-Dichloropropane
Concen: 17.975 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 77 Resp: 58059

Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.4	34.1

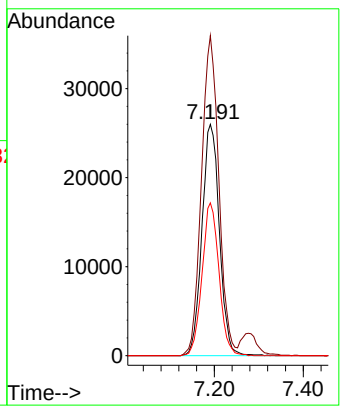




#27
cis-1,2-Dichloroethene
Concen: 19.336 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 96 Resp: 7094

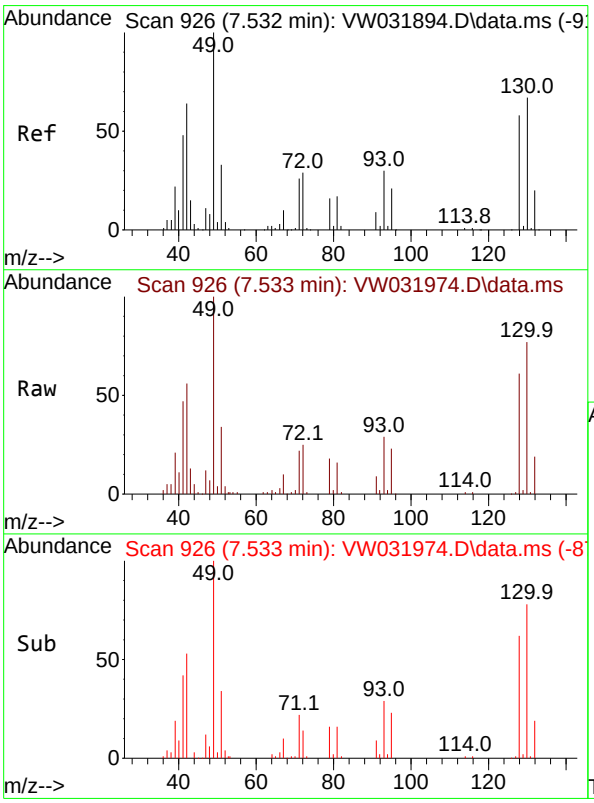
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	280.2
98	64.2	0.0	126.8



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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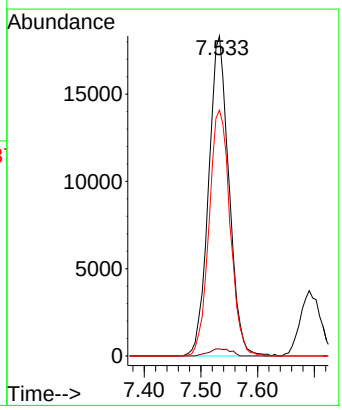
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

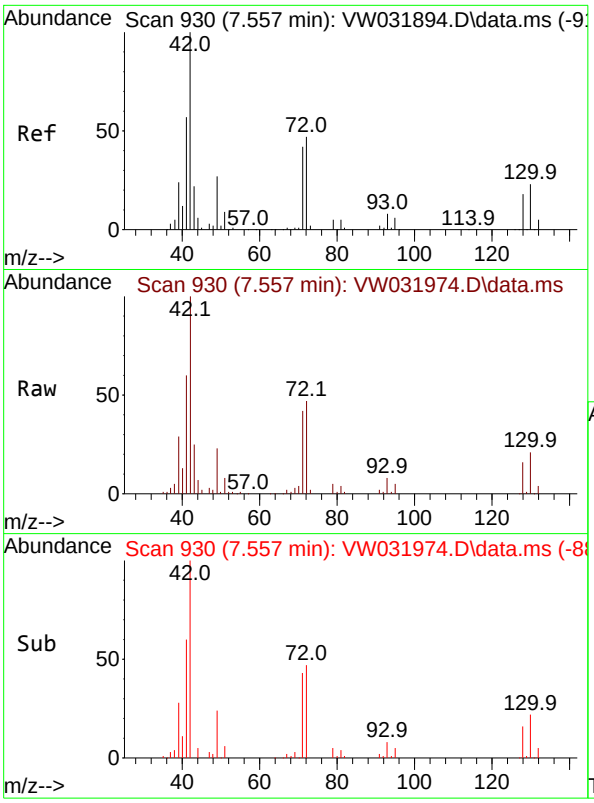


#28
Bromochloromethane
Concen: 19.114 ug/l
RT: 7.533 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 49 Resp: 45657

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.3	59.0	88.4

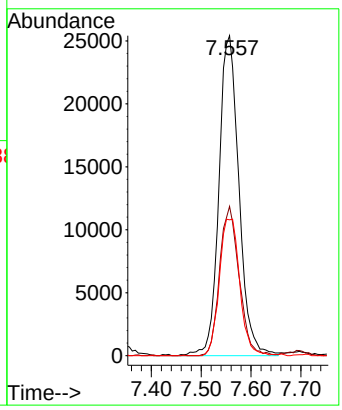




#29
Tetrahydrofuran
Concen: 99.977 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 42 Resp: 7102

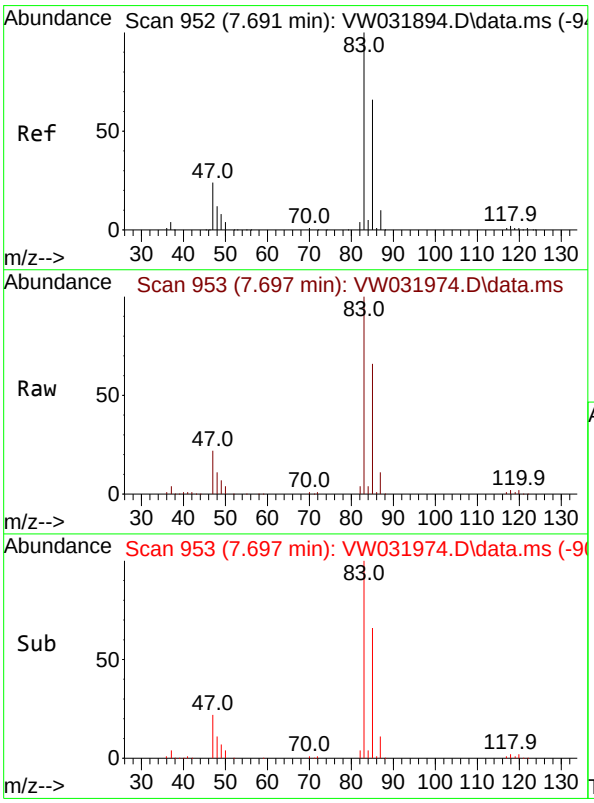
Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.0	55.6
71	43.4	34.5	51.7



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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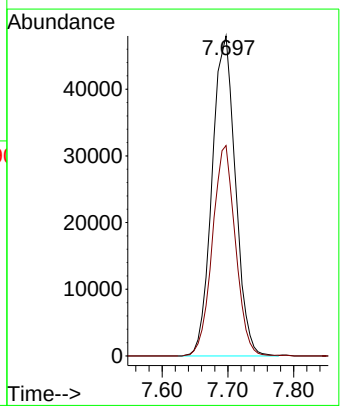
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

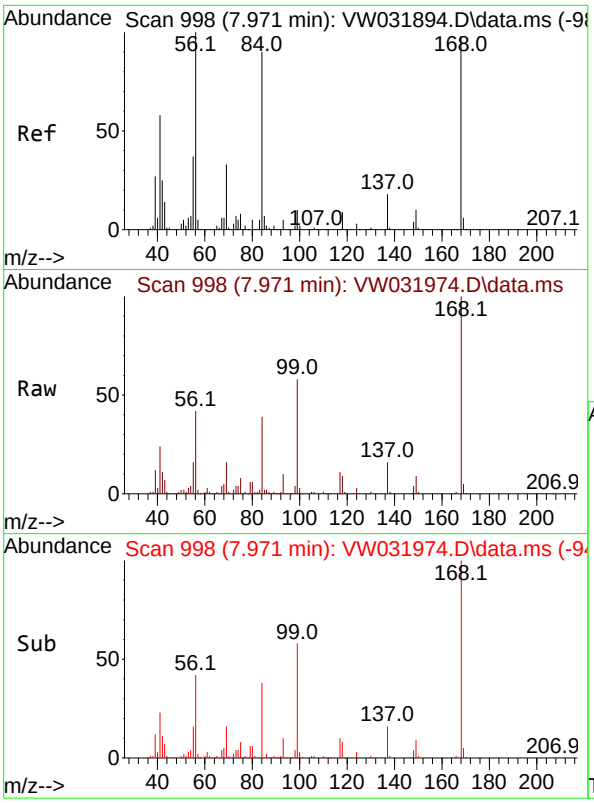


#30
Chloroform
Concen: 19.845 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 83 Resp: 118708

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8

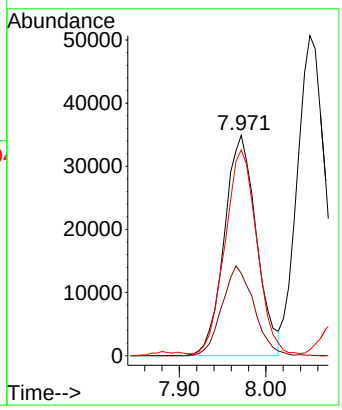




#31
Cyclohexane
Concen: 17.576 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 56 Resp: 8995

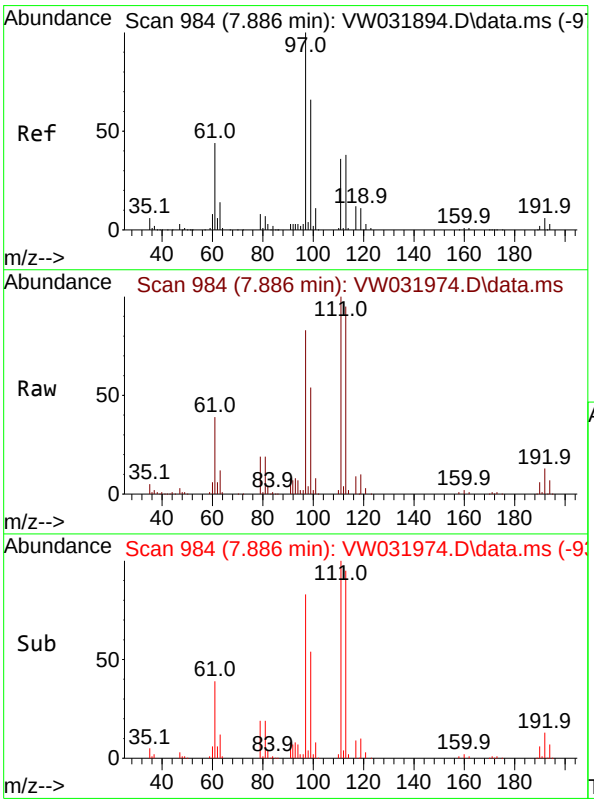
Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.7	40.1
84	91.8	71.8	107.6



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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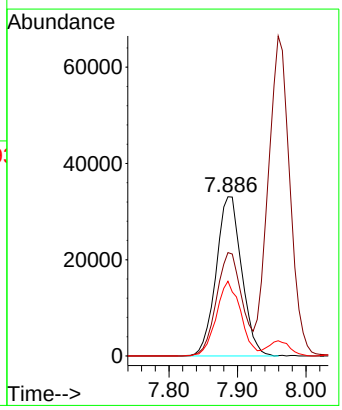
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

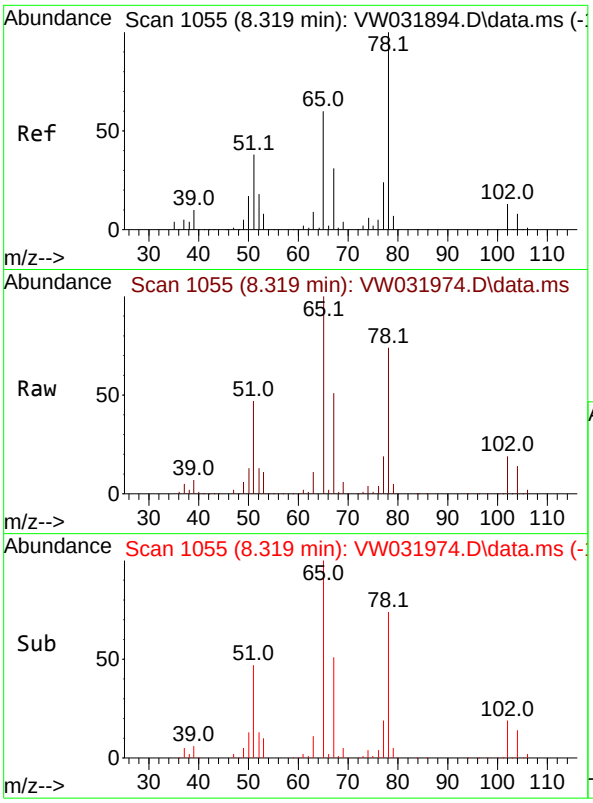


#32
1,1,1-Trichloroethane
Concen: 18.805 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 97 Resp: 85597

Ion	Ratio	Lower	Upper
97	100		
99	65.1	53.0	79.4
61	44.9	35.4	53.0





#33
1,2-Dichloroethane-d4
Concen: 50.222 ug/l
RT: 8.319 min Scan# 10
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

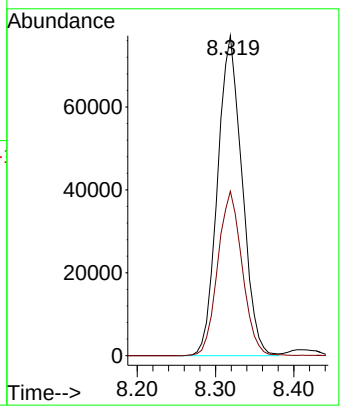
Tgt Ion: 65 Resp: 16760

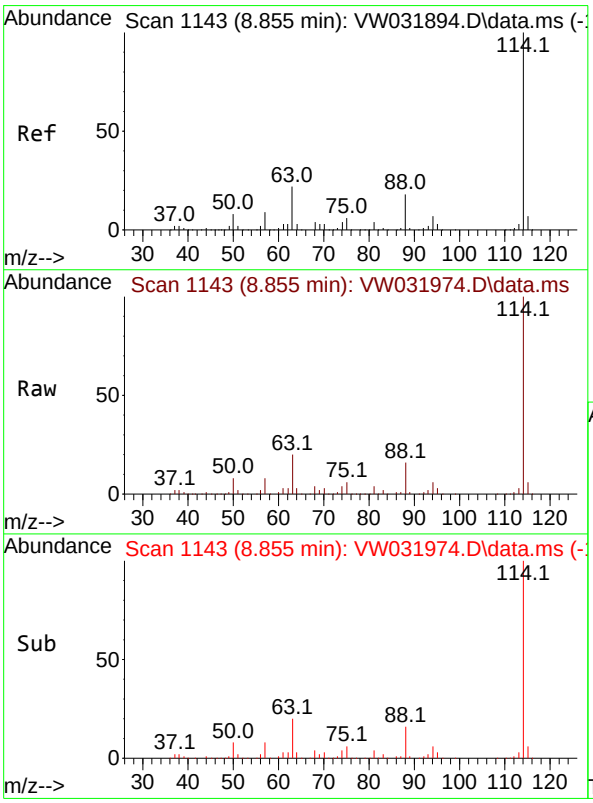
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

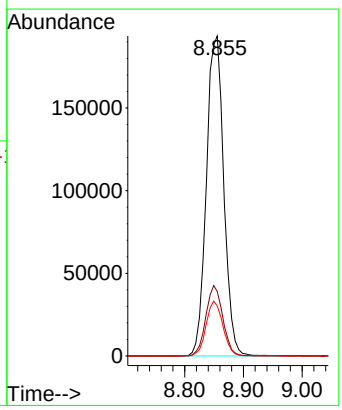


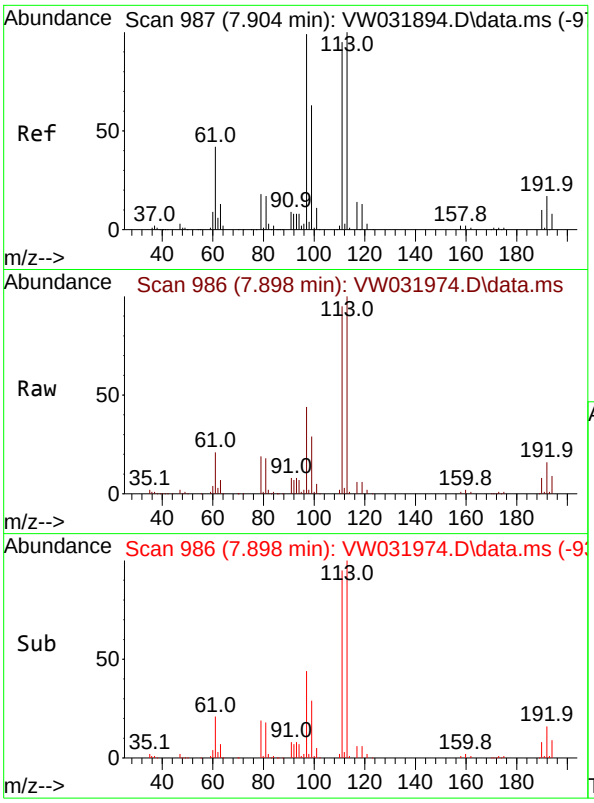


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:114 Resp: 398144

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.2
88	15.6	0.0	35.6





#35
Dibromofluoromethane
Concen: 52.118 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

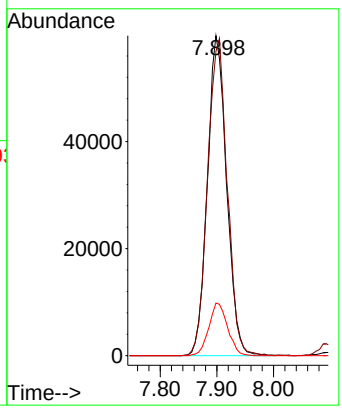
Tgt Ion:113 Resp: 14100

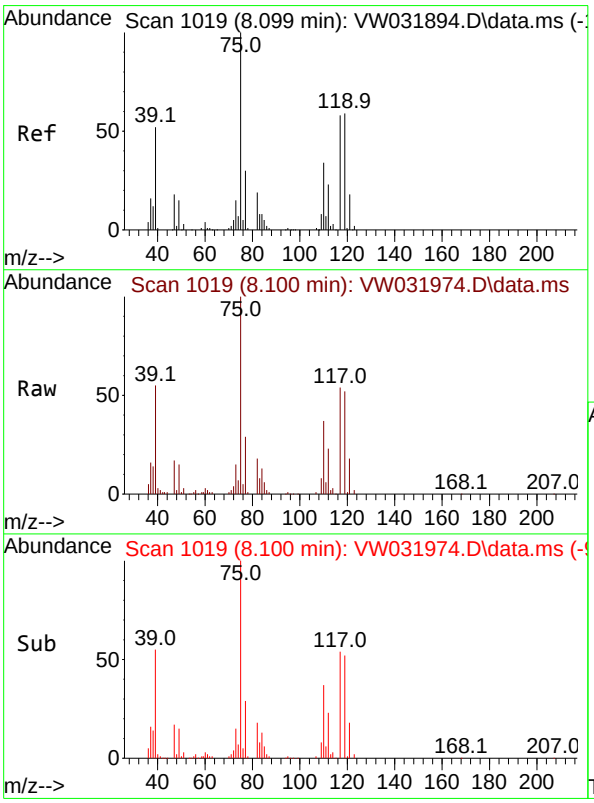
Ion	Ratio	Lower	Upper
113	100		
111	101.2	79.9	119.9
192	16.0	12.6	19.0

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

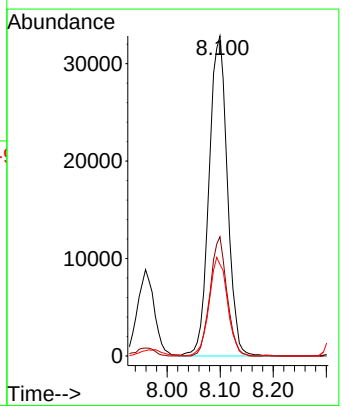


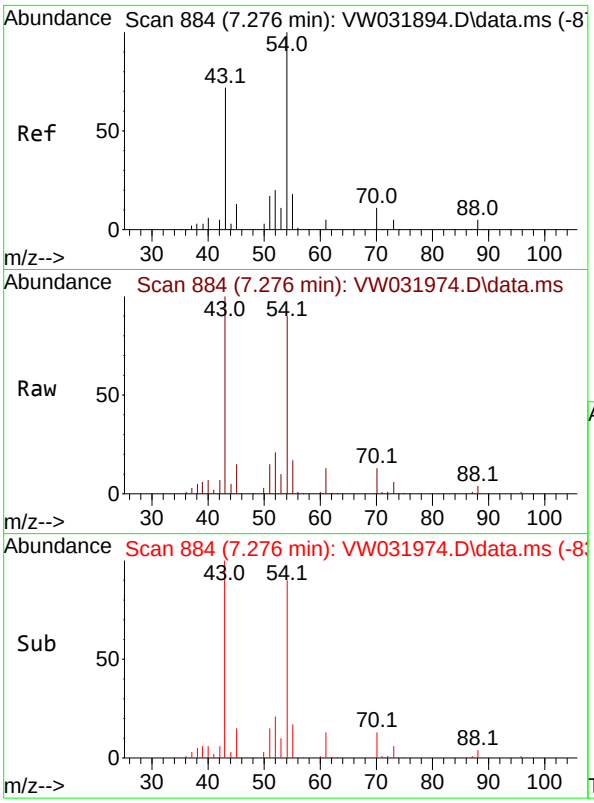


#36
1,1-Dichloropropene
Concen: 19.000 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 78940

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 20.798 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

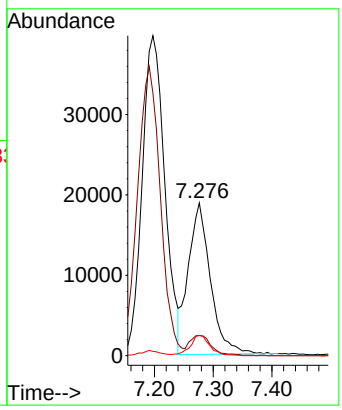
Tgt Ion: 43 Resp: 4929

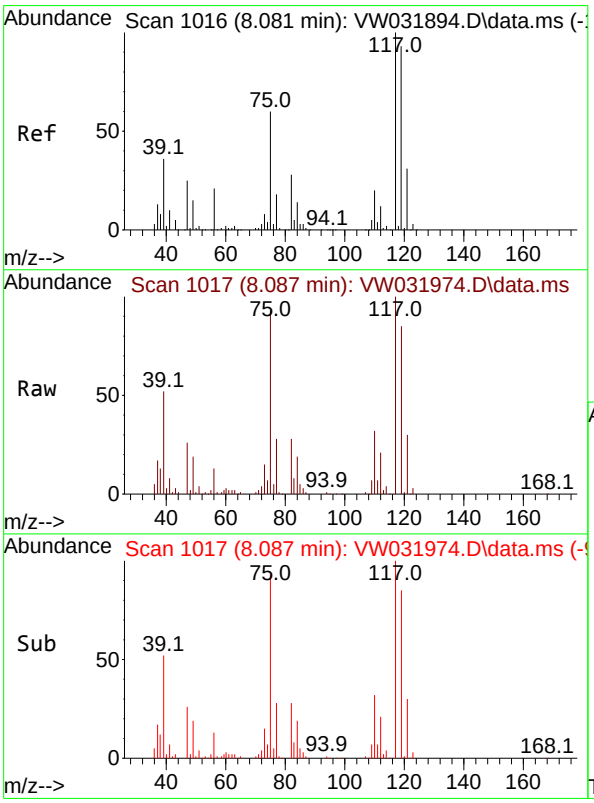
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	12.0	9.0	13.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

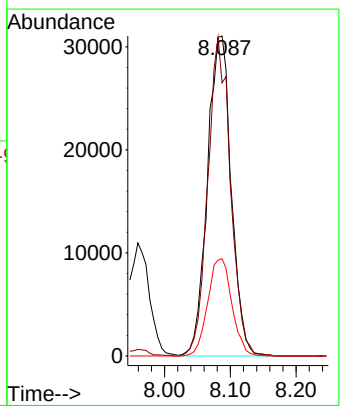


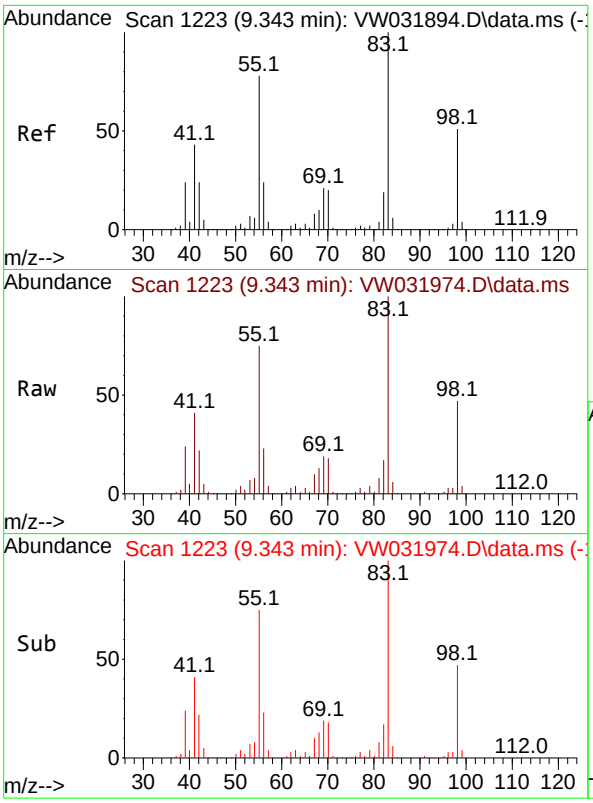


#38
Carbon Tetrachloride
Concen: 19.620 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:117 Resp: 78235

Ion	Ratio	Lower	Upper
117	100		
119	85.3	74.3	111.5
121	30.4	24.6	37.0

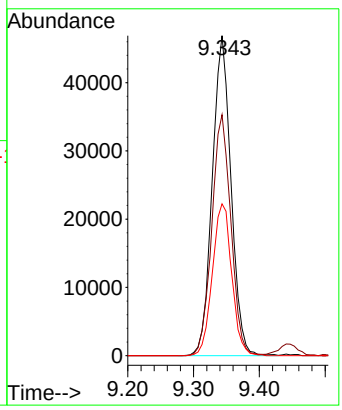




#39
Methylcyclohexane
Concen: 17.779 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 83 Resp: 9295

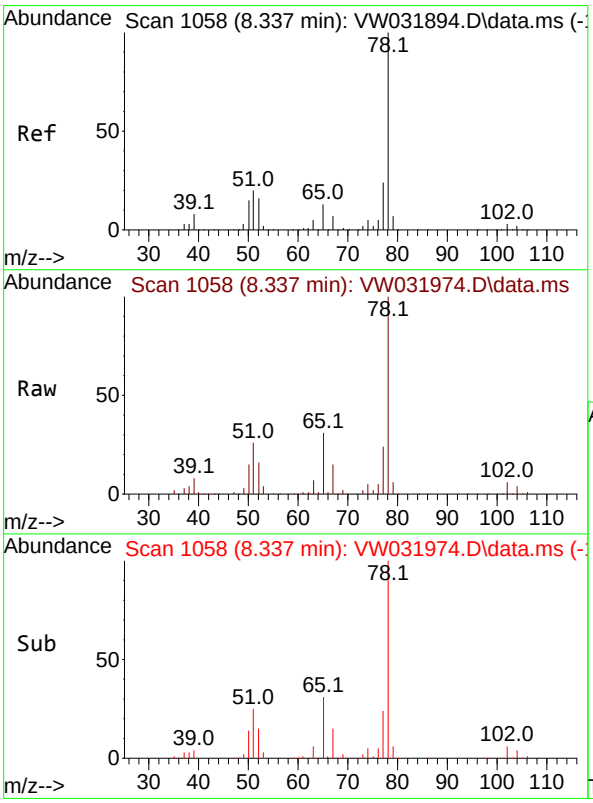
Ion	Ratio	Lower	Upper
83	100		
55	75.3	62.5	93.7
98	47.5	40.6	61.0



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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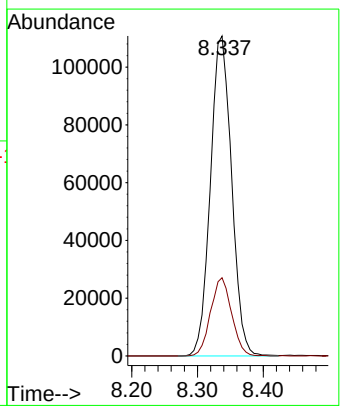
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

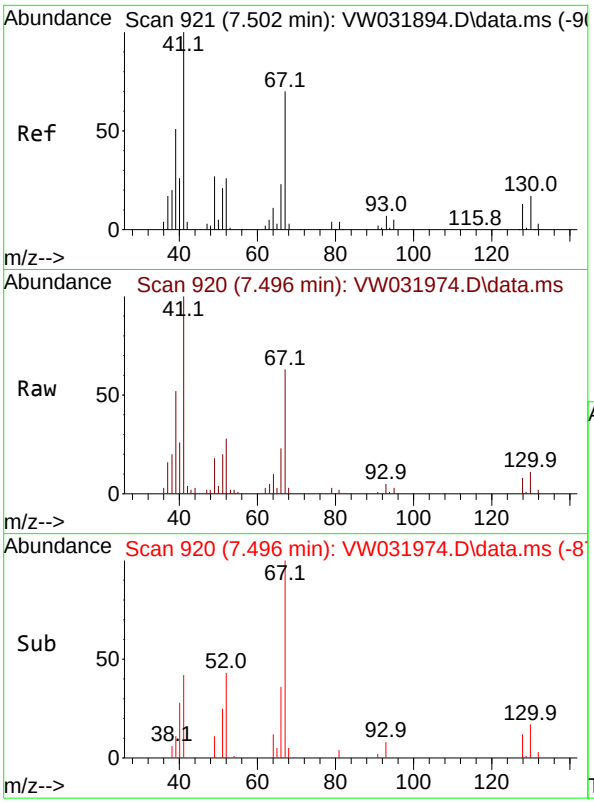


#40
Benzene
Concen: 20.220 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 78 Resp: 248680

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9

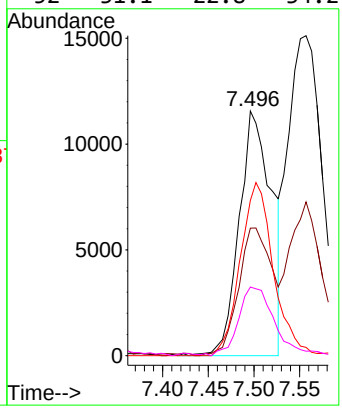




#41
Methacrylonitrile
Concen: 20.106 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 41 Resp: 2852

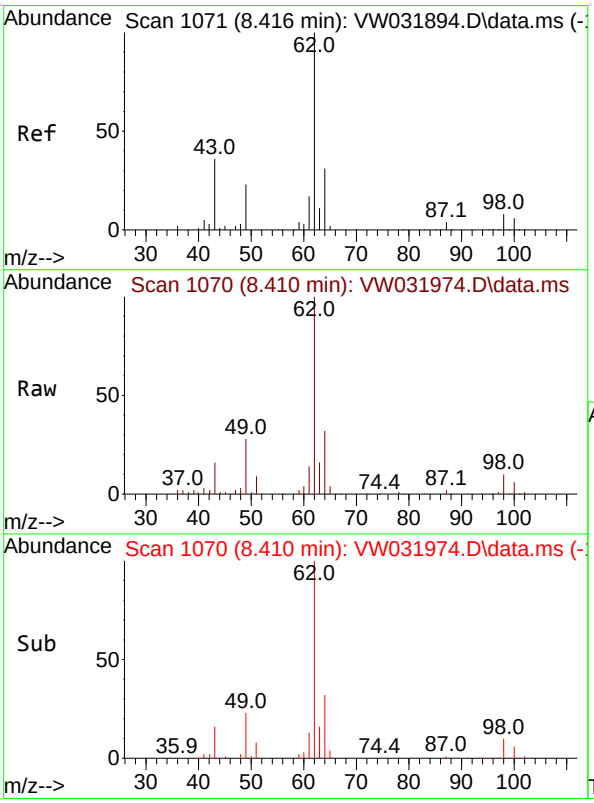
Ion	Ratio	Lower	Upper
41	100		
39	53.9	41.1	61.7
67	72.5	56.2	84.4
52	31.1	22.8	34.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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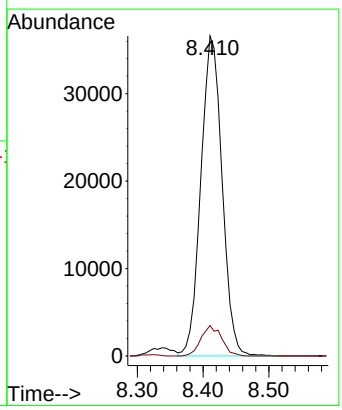
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

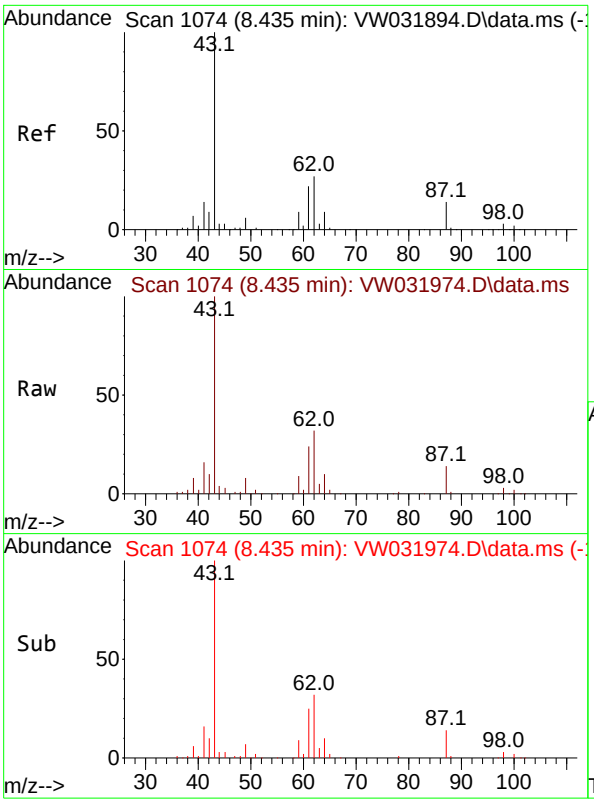


#42
1,2-Dichloroethane
Concen: 20.856 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 62 Resp: 82094

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

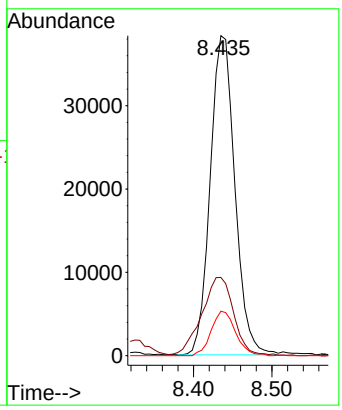




#43
Isopropyl Acetate
Concen: 19.559 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 8392

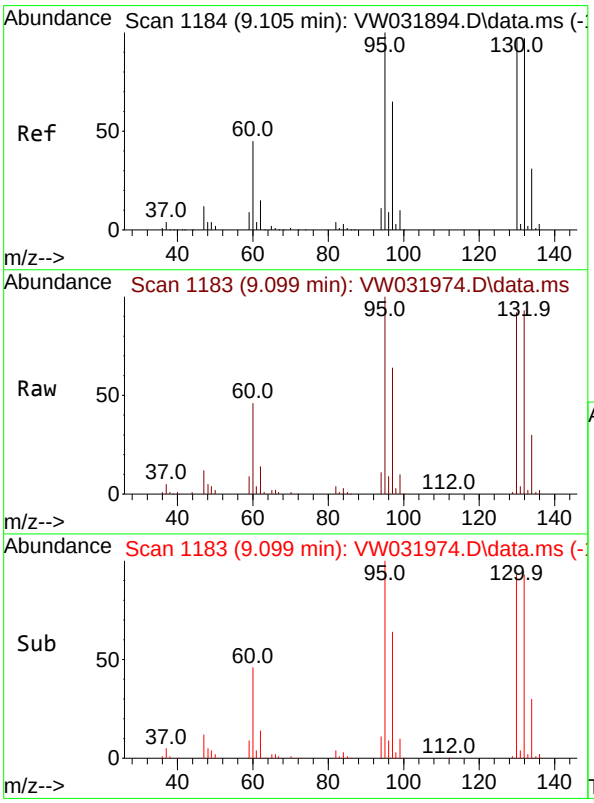
Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.0	36.0
87	13.8	11.1	16.7



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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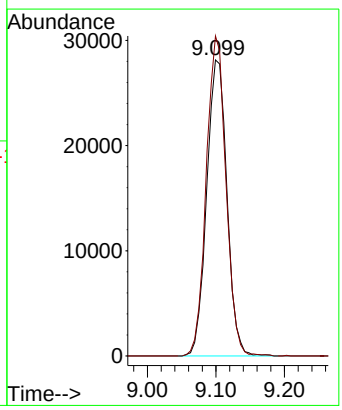
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

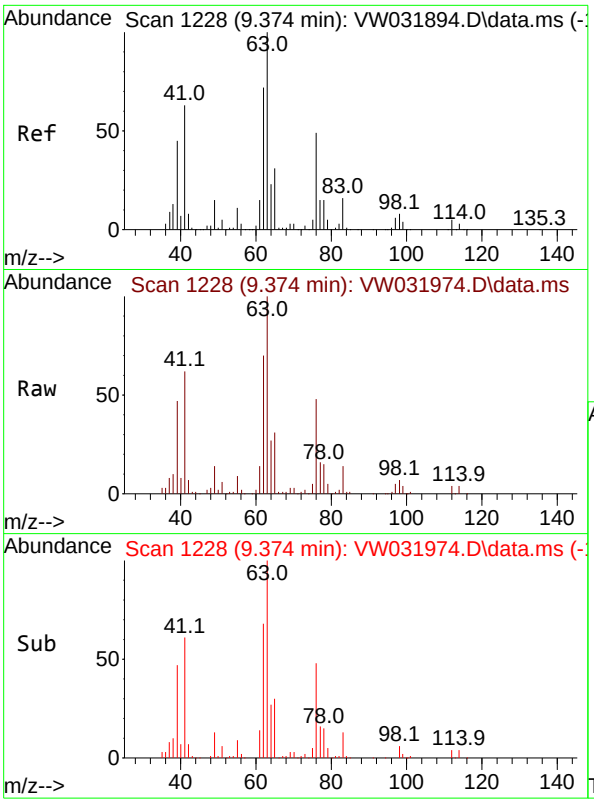


#44
Trichloroethene
Concen: 19.806 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:130 Resp: 57900

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	206.4





#45
1,2-Dichloropropane
Concen: 20.185 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

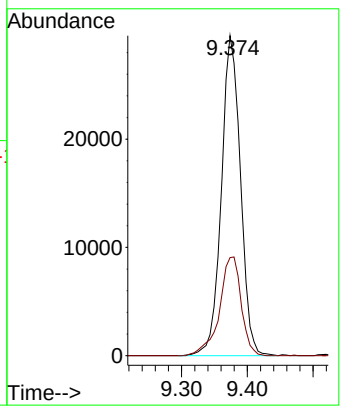
Tgt Ion: 63 Resp: 5979

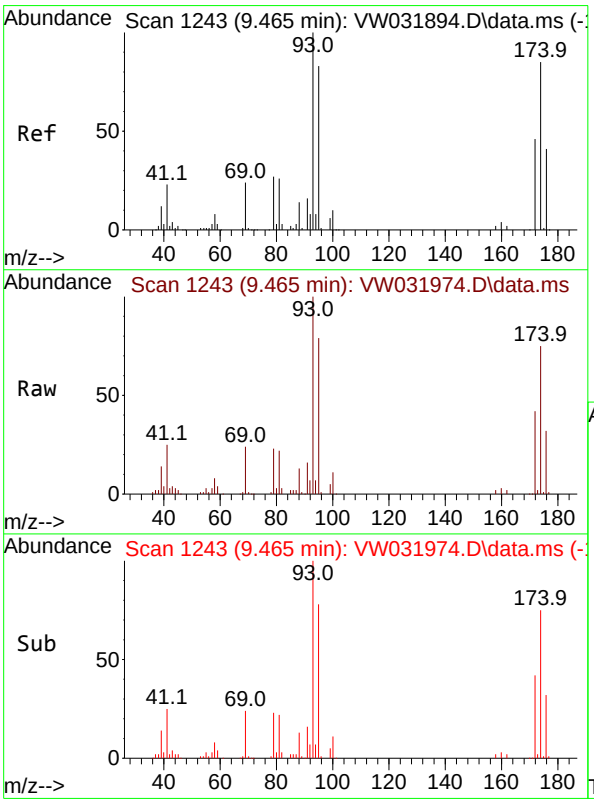
Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

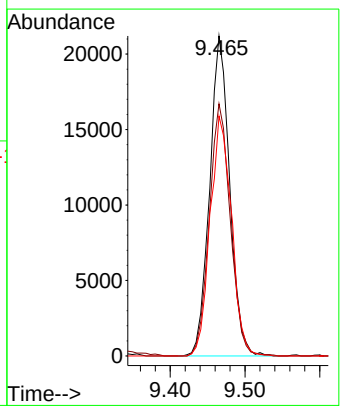


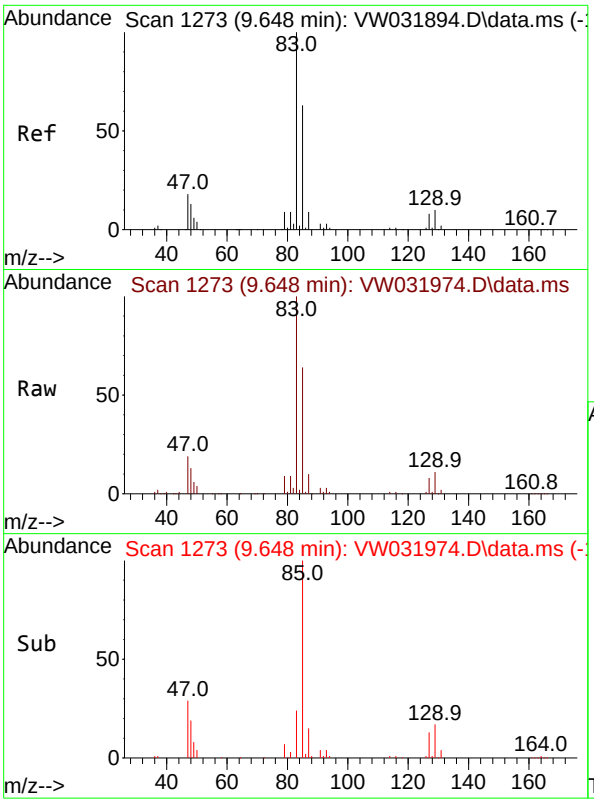


#46
Dibromomethane
Concen: 21.552 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 93 Resp: 39572

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.6
174	79.8	70.2	105.2

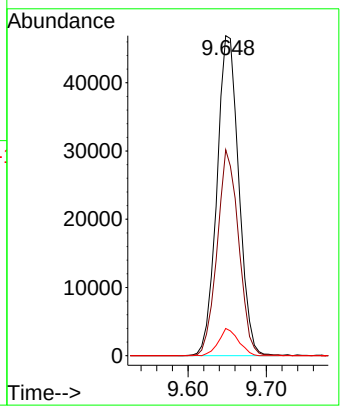




#47
Bromodichloromethane
Concen: 20.666 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 83 Resp: 9098

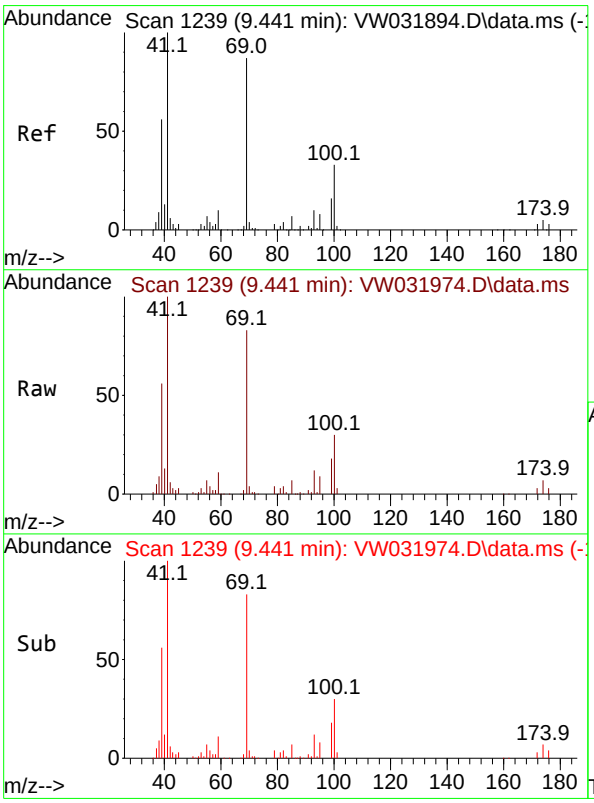
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	8.5	6.5	9.7



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

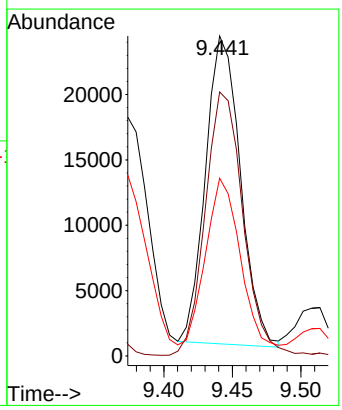
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

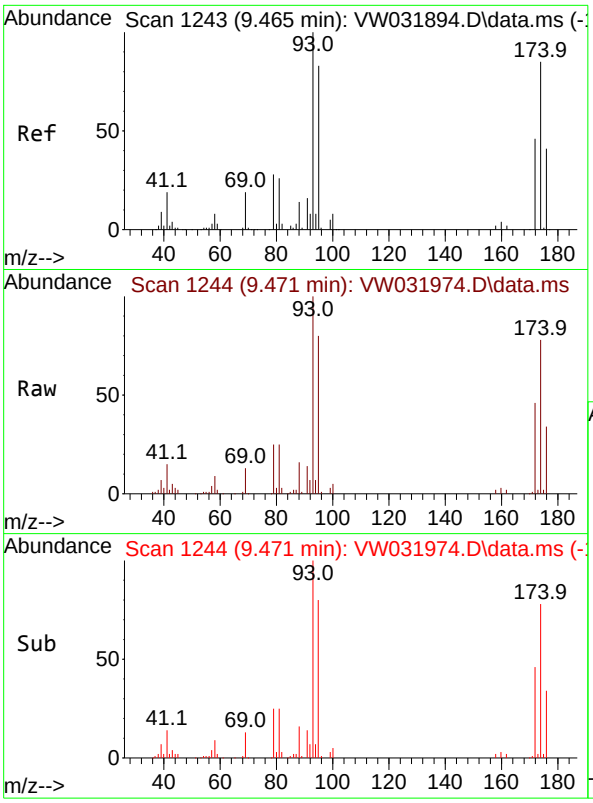


#48
Methyl methacrylate
Concen: 20.436 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 41 Resp: 41717

Ion	Ratio	Lower	Upper
41	100		
69	93.6	73.6	110.4
39	53.6	45.5	68.3

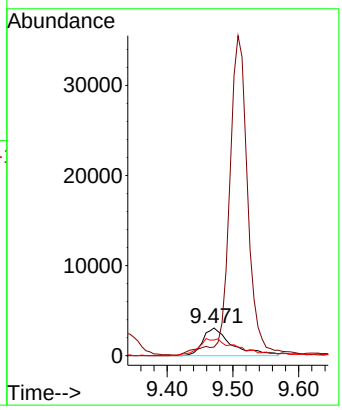




#49
1,4-Dioxane
Concen: 514.860 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 88 Resp: 943

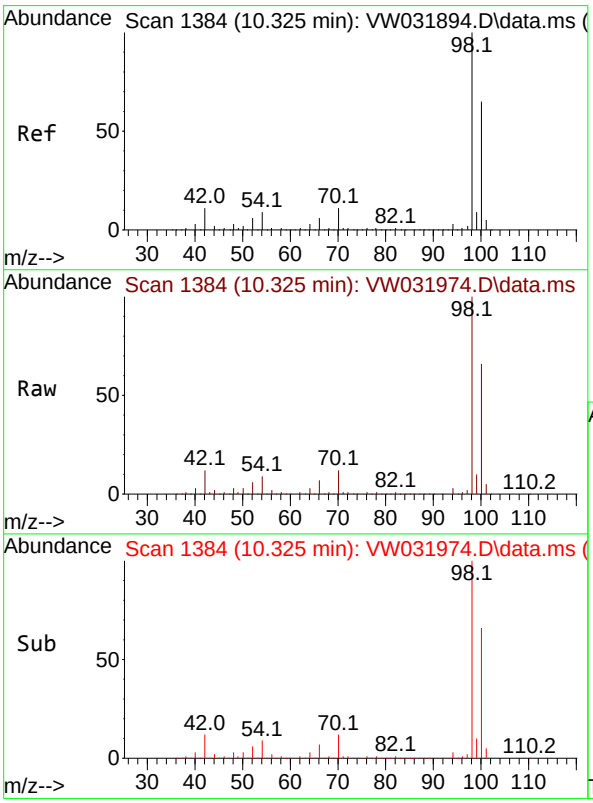
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	87.6	58.2	87.2#



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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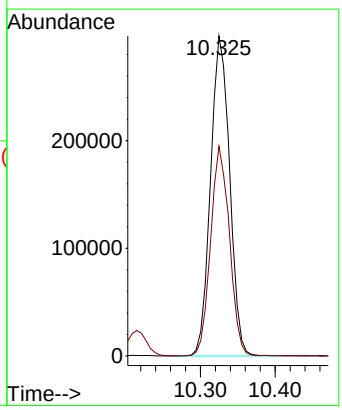
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

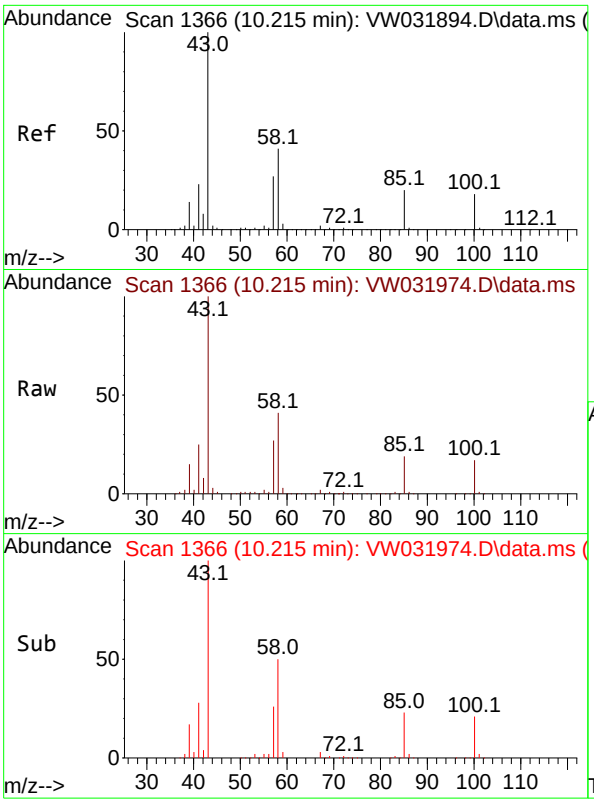


#50
Toluene-d8
Concen: 51.534 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 98 Resp: 527673

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51
4-Methyl-2-Pentanone
Concen: 105.754 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

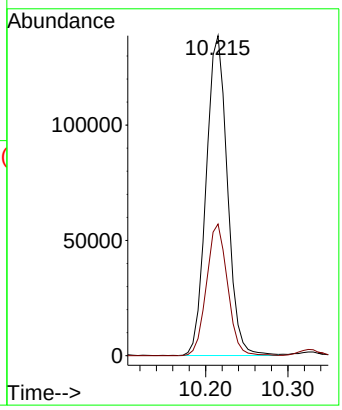
Tgt Ion: 43 Resp: 24833

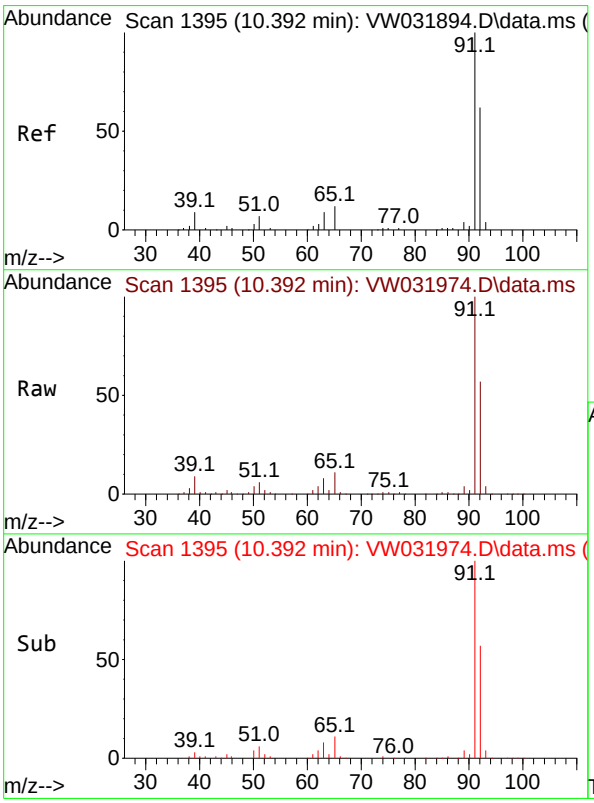
Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.8	49.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

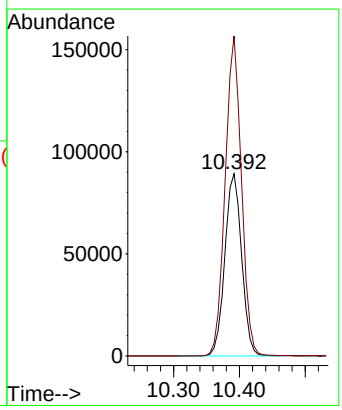


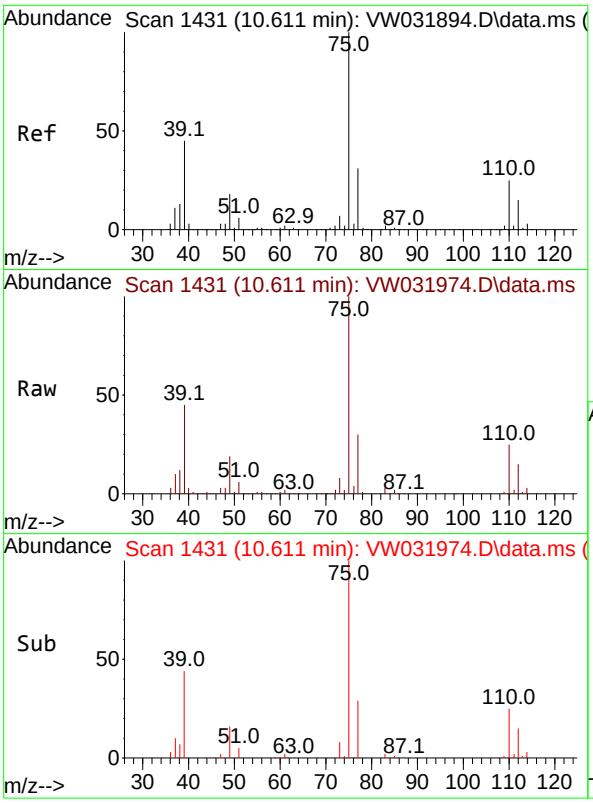


#52
Toluene
Concen: 20.026 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 92 Resp: 158330

Ion	Ratio	Lower	Upper
92	100		
91	170.4	133.7	200.5

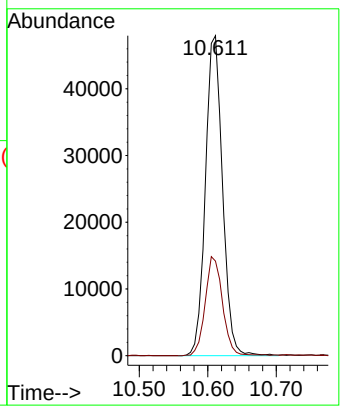




#53
t-1,3-Dichloropropene
Concen: 19.686 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 8314

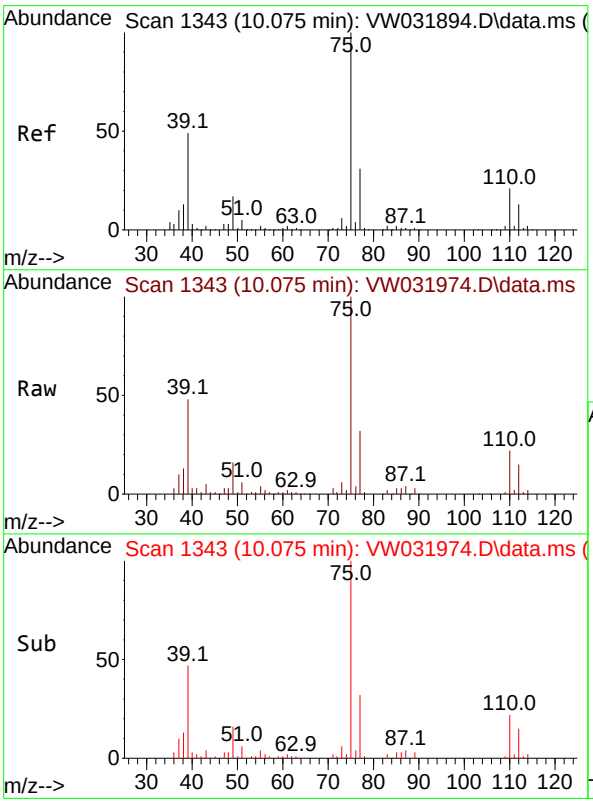
Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.2	37.8



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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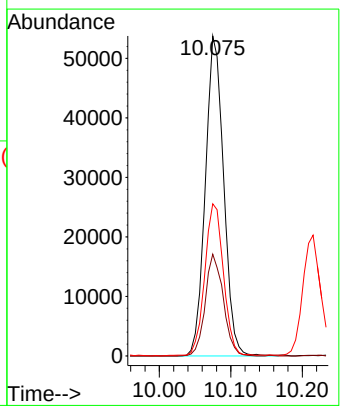
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

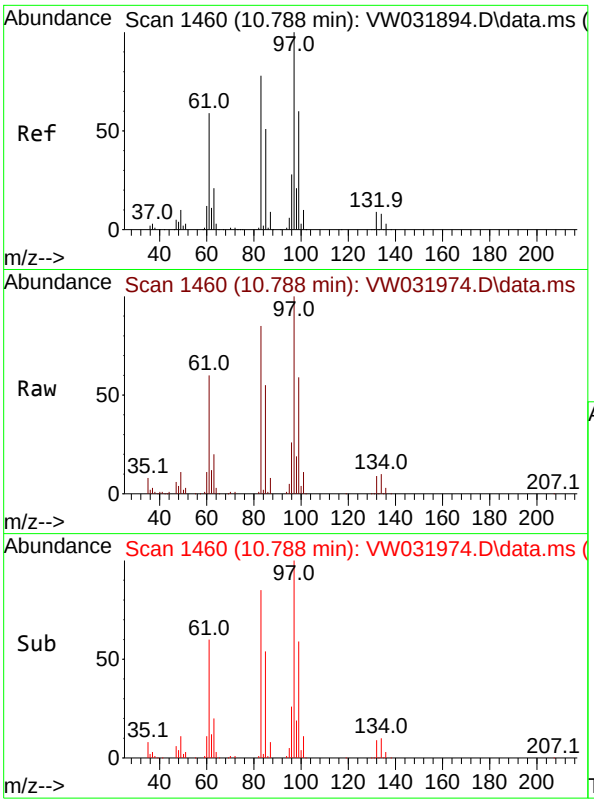


#54
cis-1,3-Dichloropropene
Concen: 19.835 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 95666

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	47.3	39.3	58.9

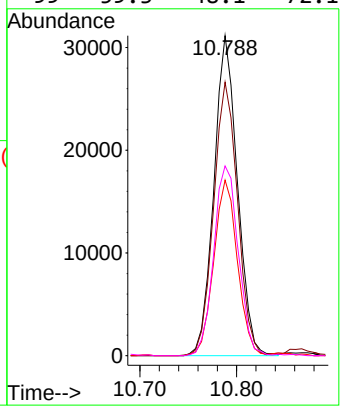




#55
1,1,2-Trichloroethane
Concen: 21.564 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 97 Resp: 5259

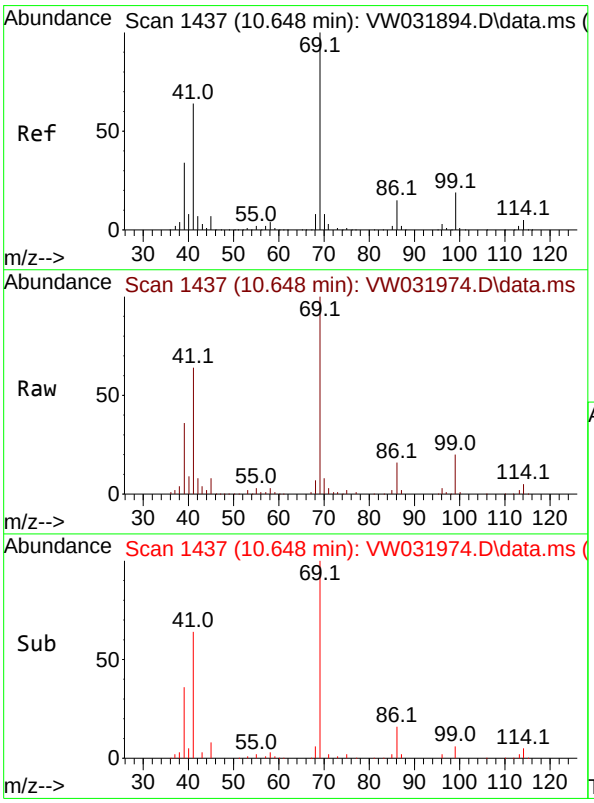
Ion	Ratio	Lower	Upper
97	100		
83	85.4	62.4	93.6
85	54.8	41.0	61.6
99	59.3	48.1	72.1



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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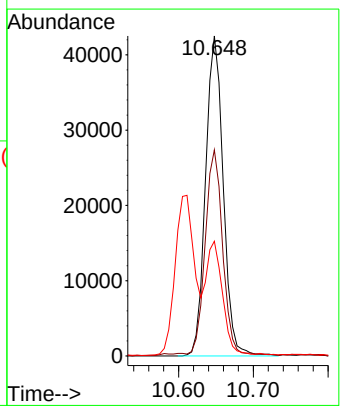
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

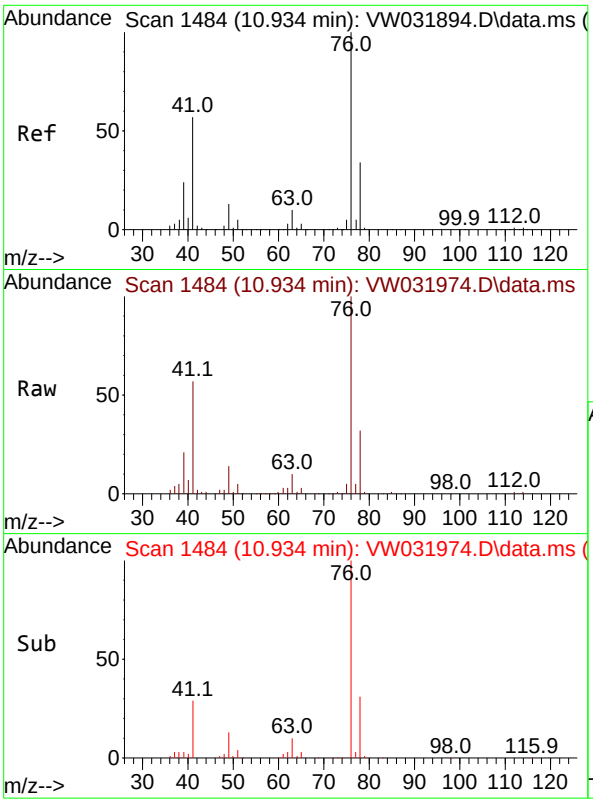


#56
Ethyl methacrylate
Concen: 20.271 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 69 Resp: 69824

Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.0	78.0
39	32.8	26.6	40.0





#57
1,3-Dichloropropane
Concen: 21.348 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

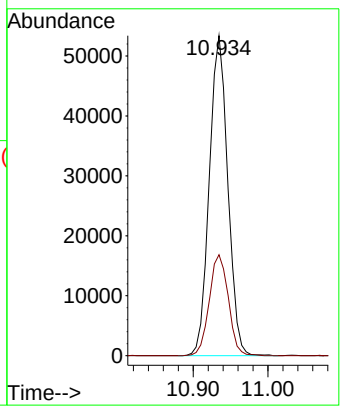
Tgt Ion: 76 Resp: 9172

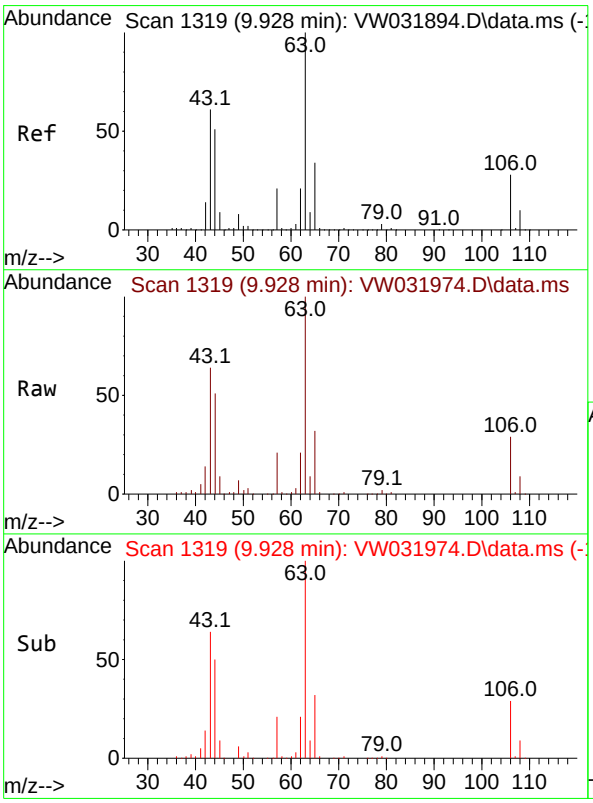
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

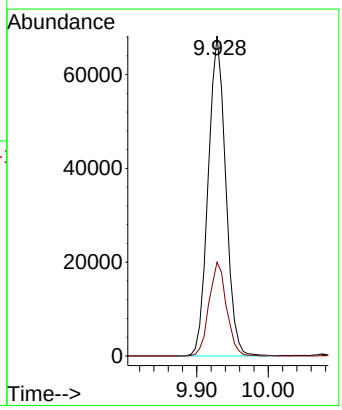


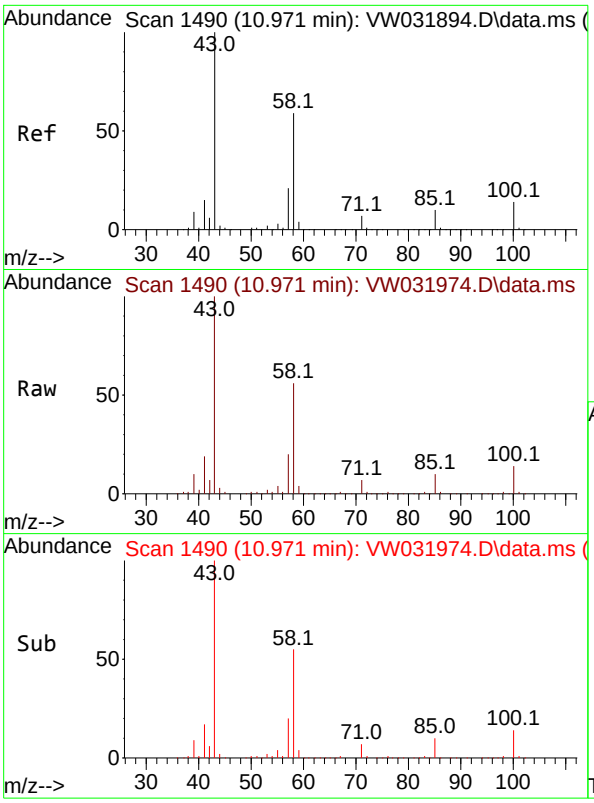


#58
2-Chloroethyl Vinyl ether
Concen: 65.630 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 63 Resp: 116121

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1





#59
2-Hexanone
Concen: 104.203 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

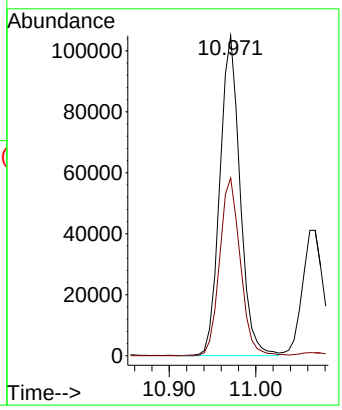
Tgt Ion: 43 Resp: 17008

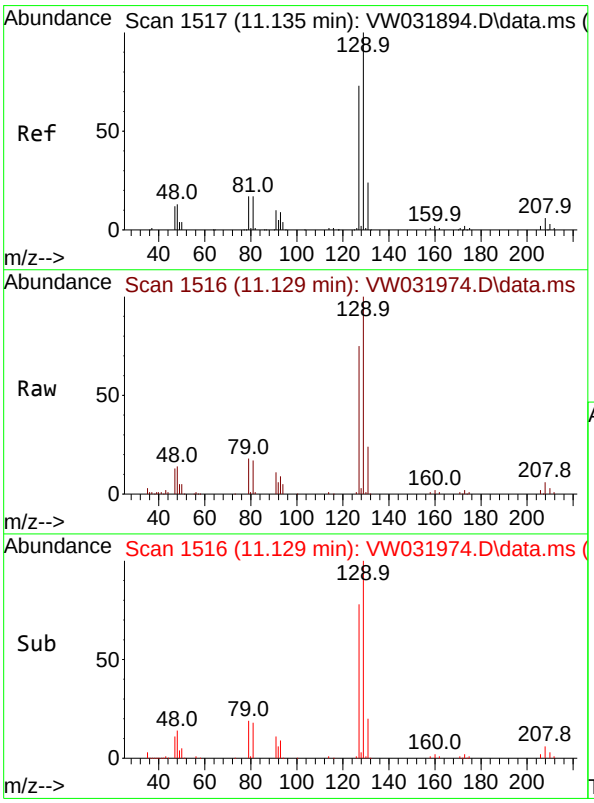
Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.5	85.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

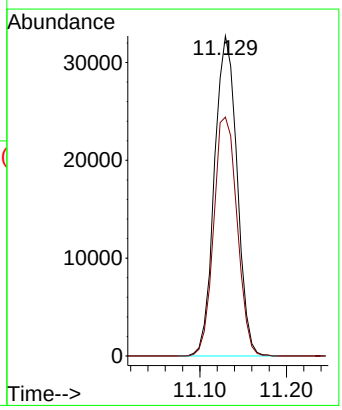


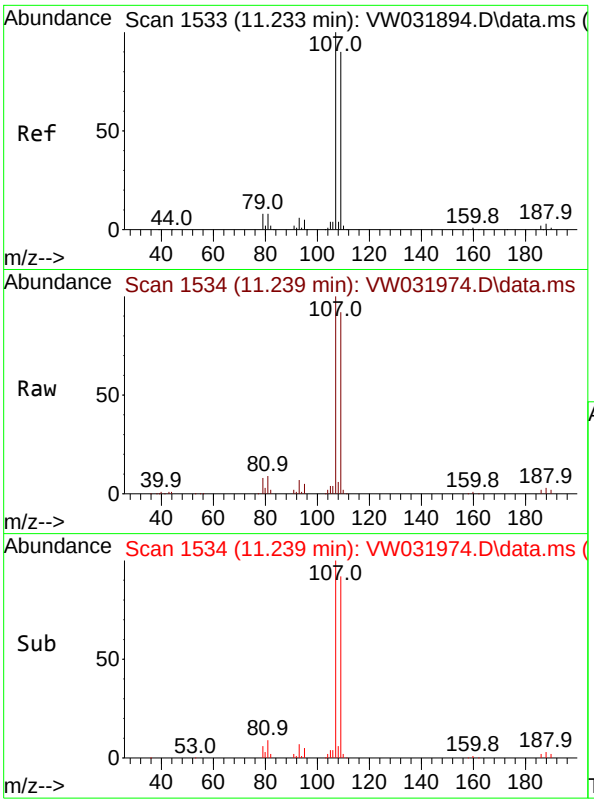


#60
Dibromochloromethane
Concen: 20.836 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:129 Resp: 59250

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.6	118.8

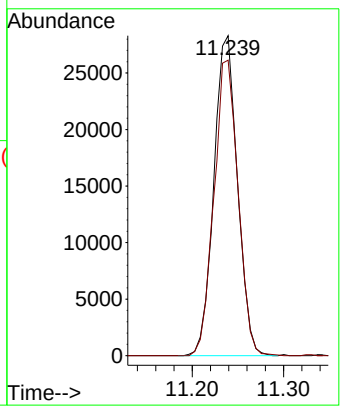




#61
1,2-Dibromoethane
Concen: 21.052 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:107 Resp: 5073

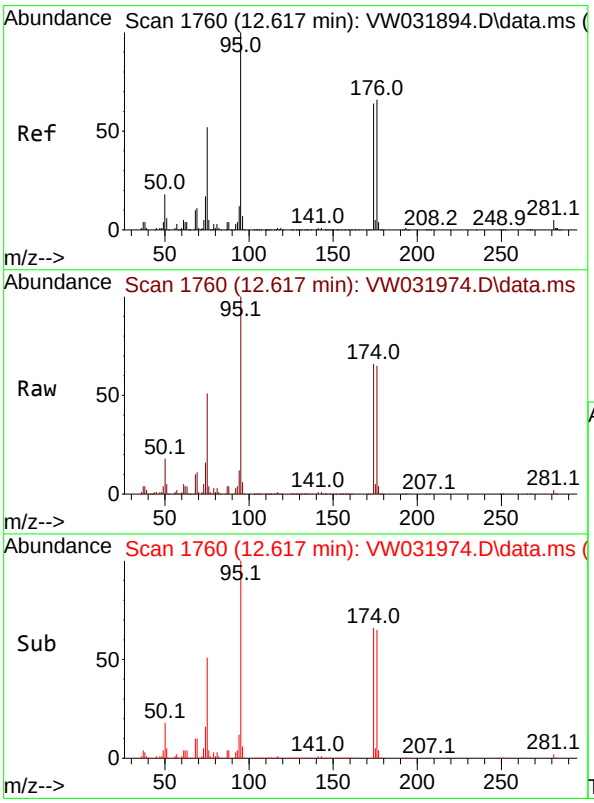
Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.2	111.4



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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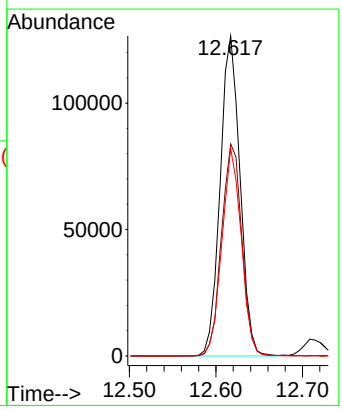
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

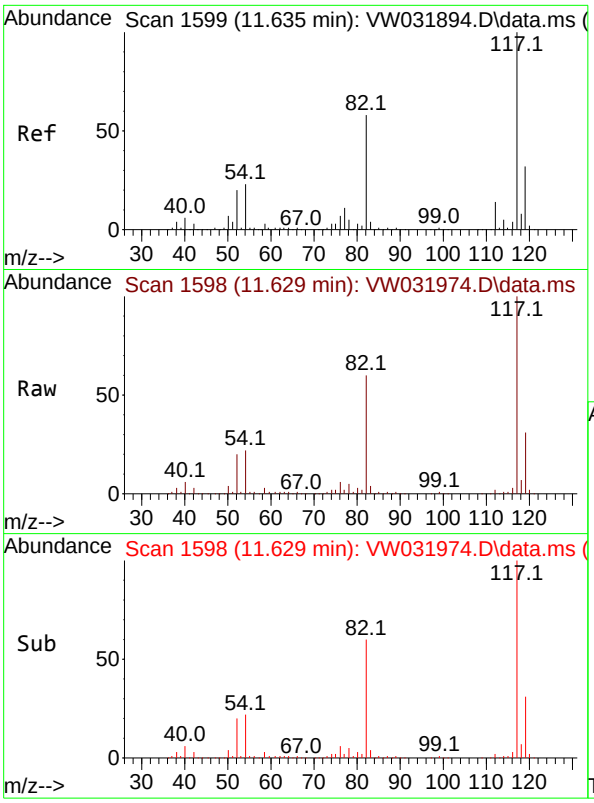


#62
4-Bromofluorobenzene
Concen: 51.243 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 95 Resp: 201472

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	129.8
176	63.6	0.0	130.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

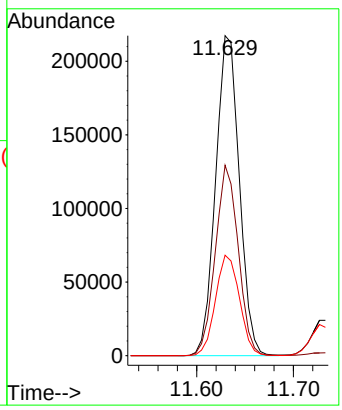
Tgt Ion:117 Resp: 37022

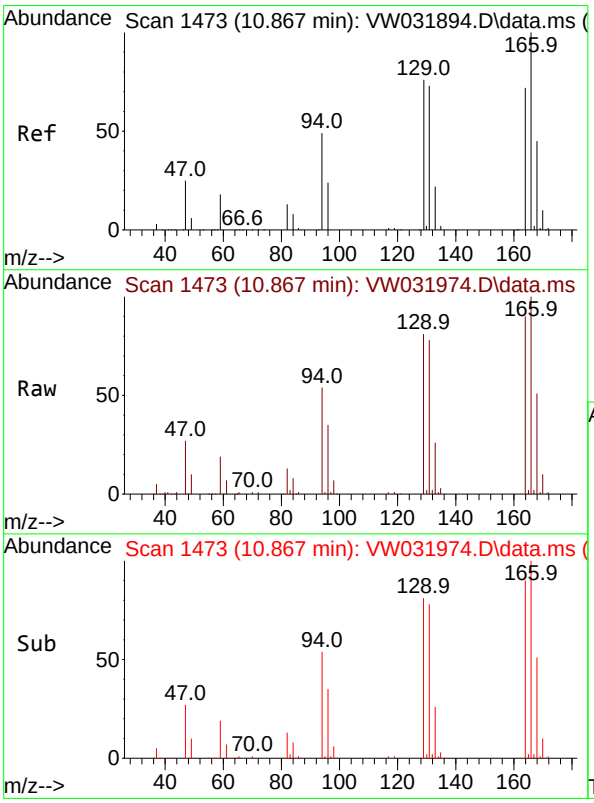
Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.5	69.7
119	31.4	25.8	38.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

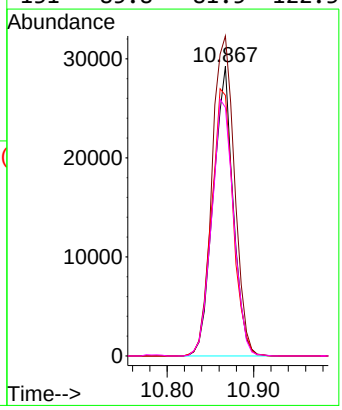


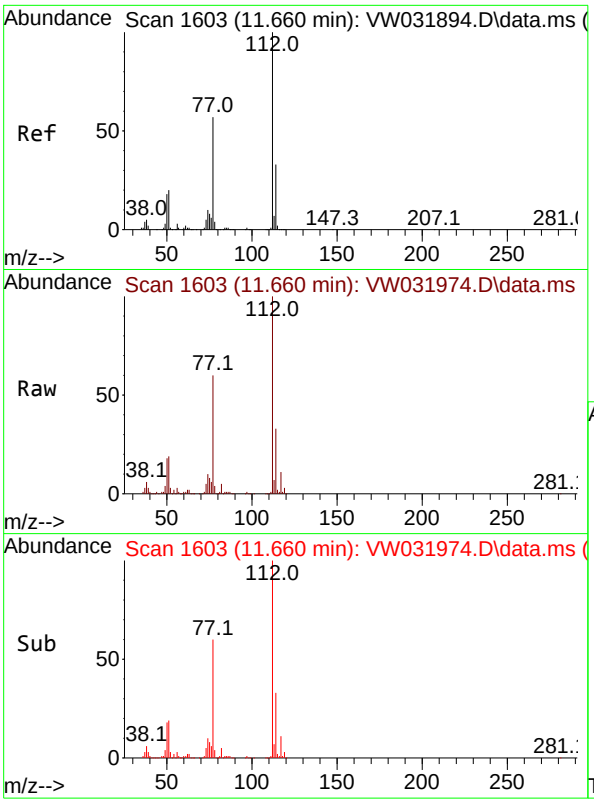


#64
Tetrachloroethene
Concen: 19.202 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:164 Resp: 46870

Ion	Ratio	Lower	Upper
164	100		
166	110.5	111.5	167.3#
129	90.0	85.1	127.7
131	85.8	81.5	122.3

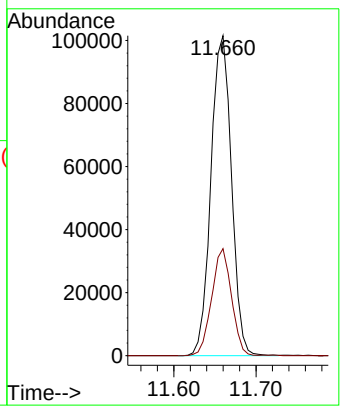




#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:112 Resp: 17616(

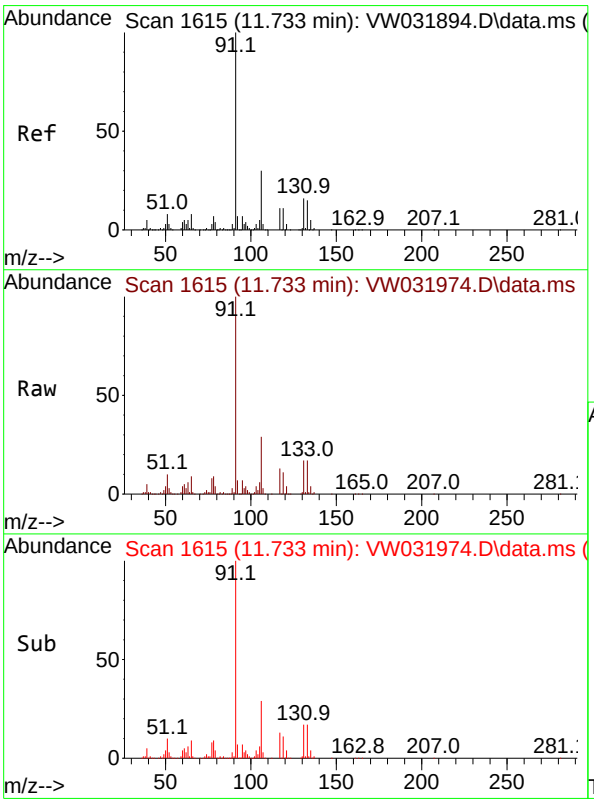
Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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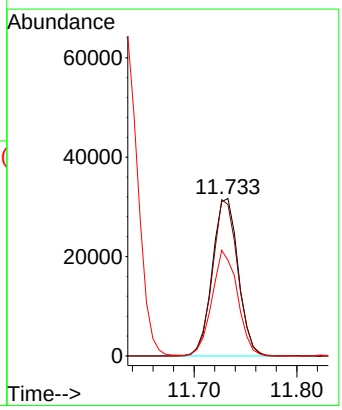
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

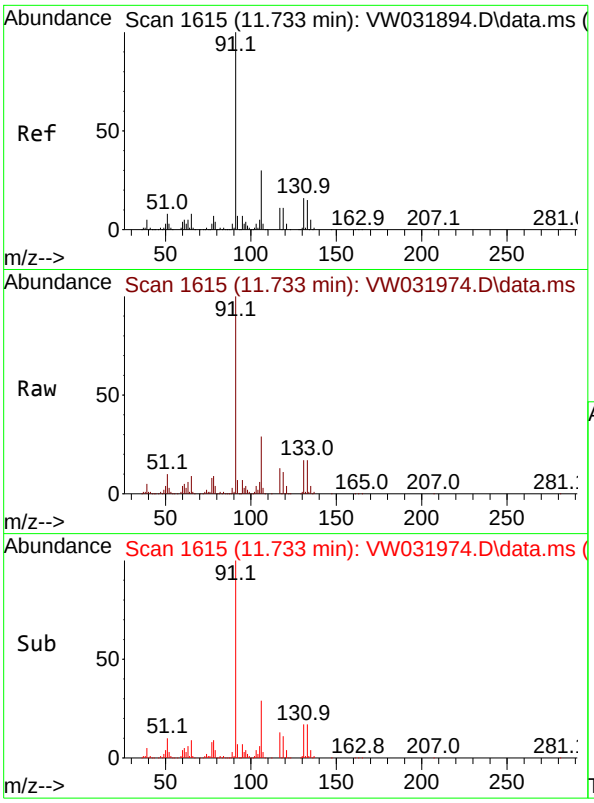


#66
1,1,1,2-Tetrachloroethane
Concen: 19.674 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:131 Resp: 55265

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.1	144.4
119	66.4	33.7	101.1





#67
Ethyl Benzene
Concen: 18.579 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

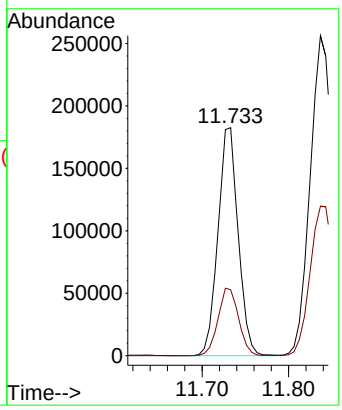
Tgt Ion: 91 Resp: 29577(

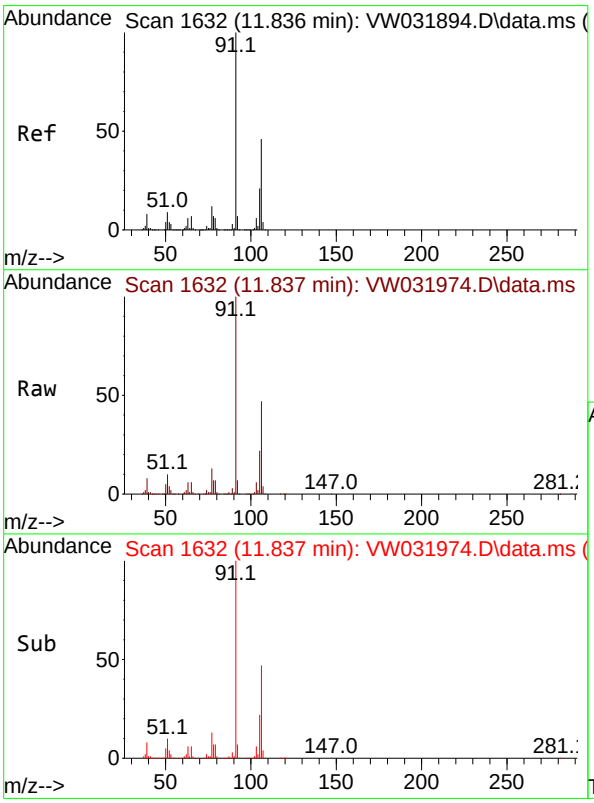
Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.8	35.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

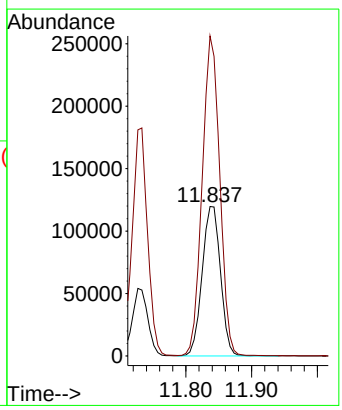


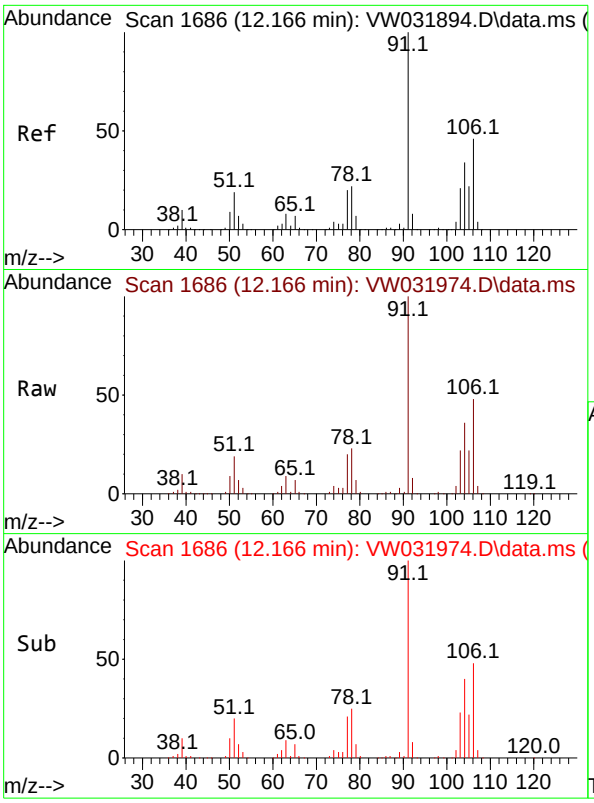


#68
m/p-Xylenes
Concen: 38.752 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:106 Resp: 232252

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.7	251.5





#69
o-Xylene
Concen: 19.082 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

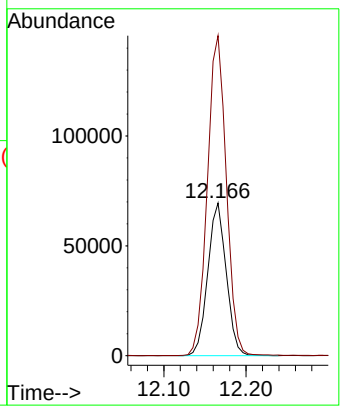
Tgt Ion:106 Resp: 10823

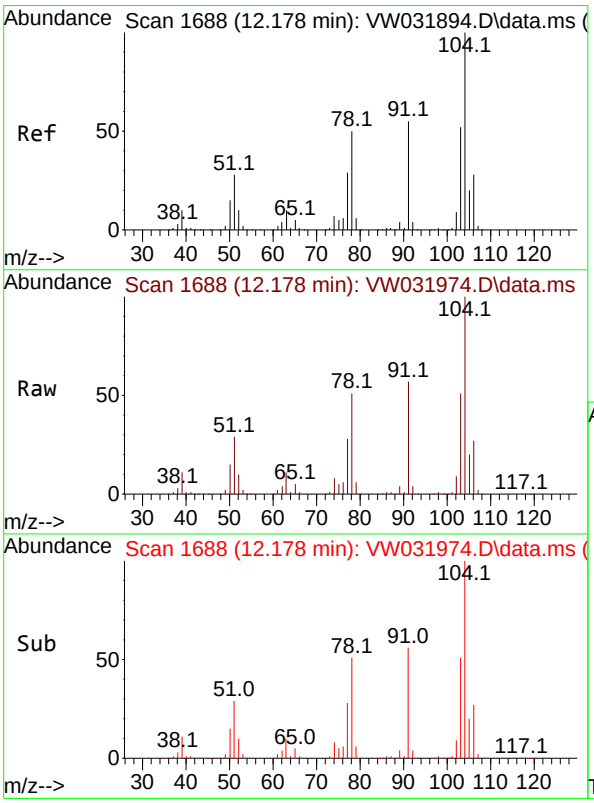
Ion	Ratio	Lower	Upper
106	100		
91	215.9	108.2	324.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

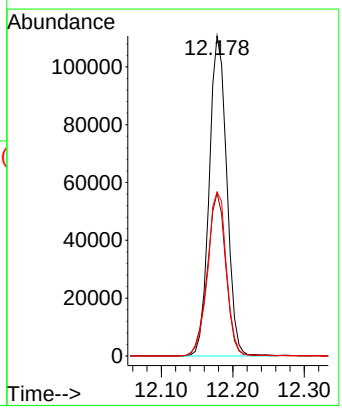


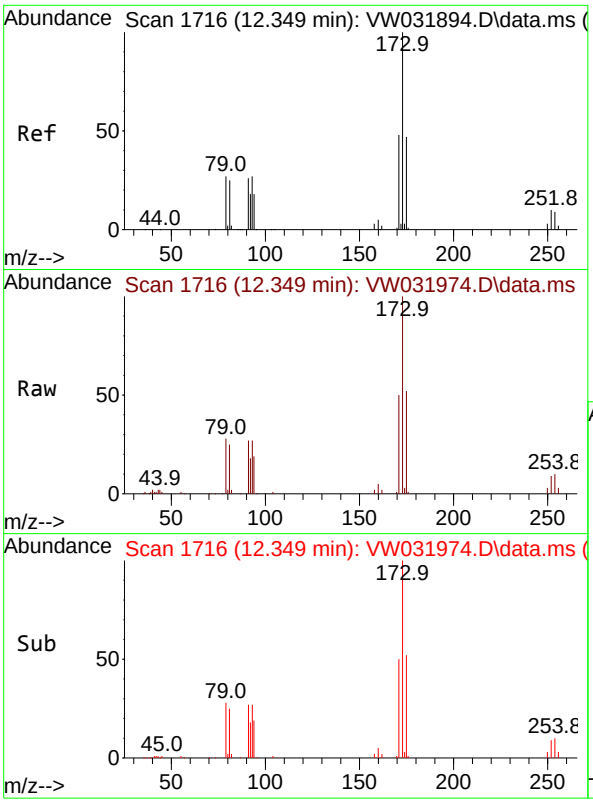


#70
Styrene
Concen: 19.523 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:104 Resp: 188534

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.9	42.8	64.2





#71
Bromoform
Concen: 20.378 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

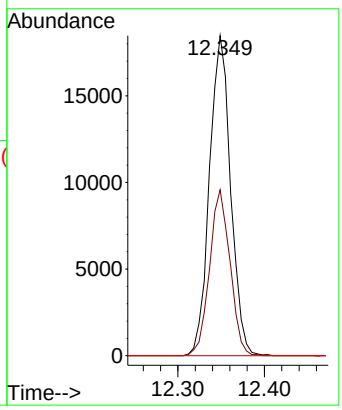
Tgt Ion:173 Resp: 3130

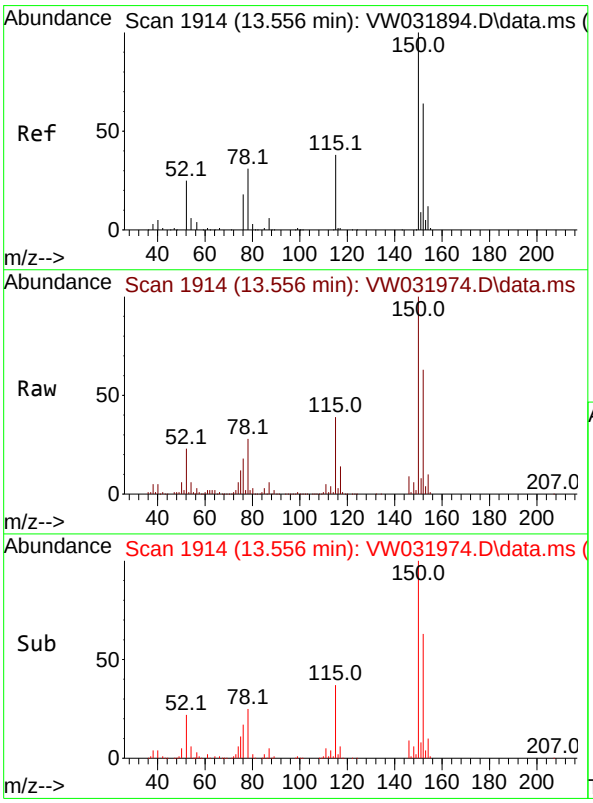
Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.5	73.5
254	0.0	0.2	0.2

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

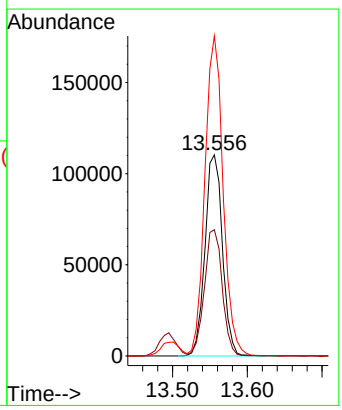


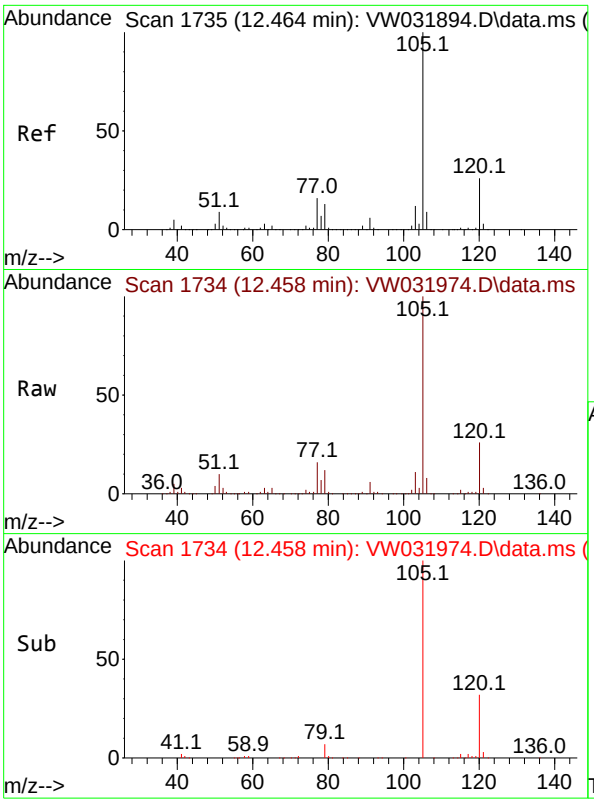


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:152 Resp: 179082

Ion	Ratio	Lower	Upper
152	100		
115	64.4	33.4	100.1
150	165.2	0.0	352.2





#73
Isopropylbenzene
Concen: 17.378 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

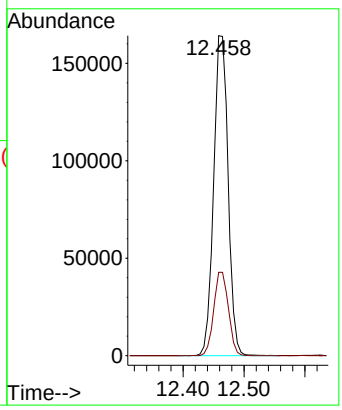
Tgt Ion:105 Resp: 27003

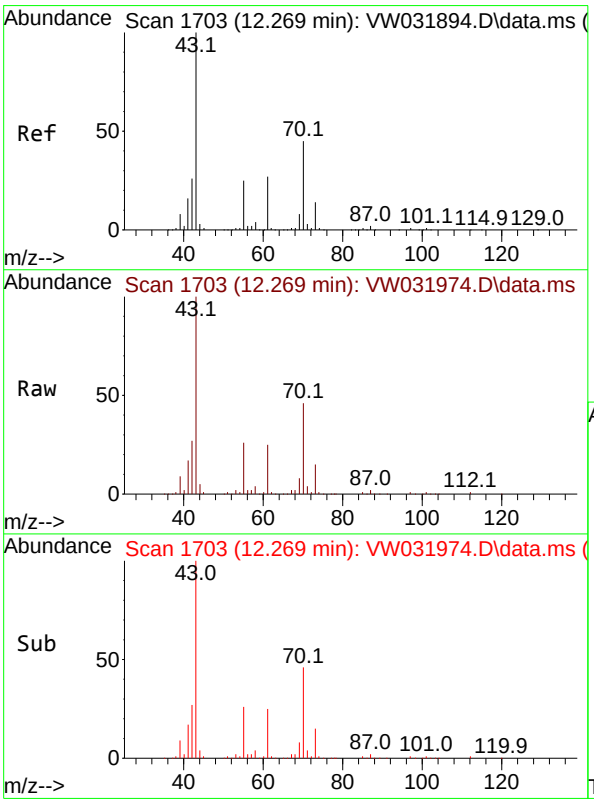
Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.6	37.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

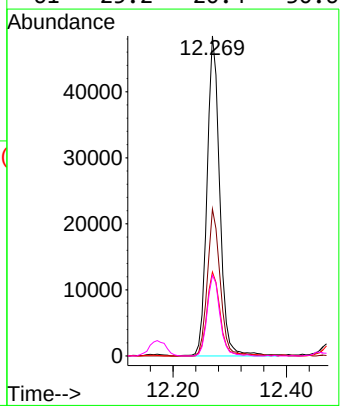


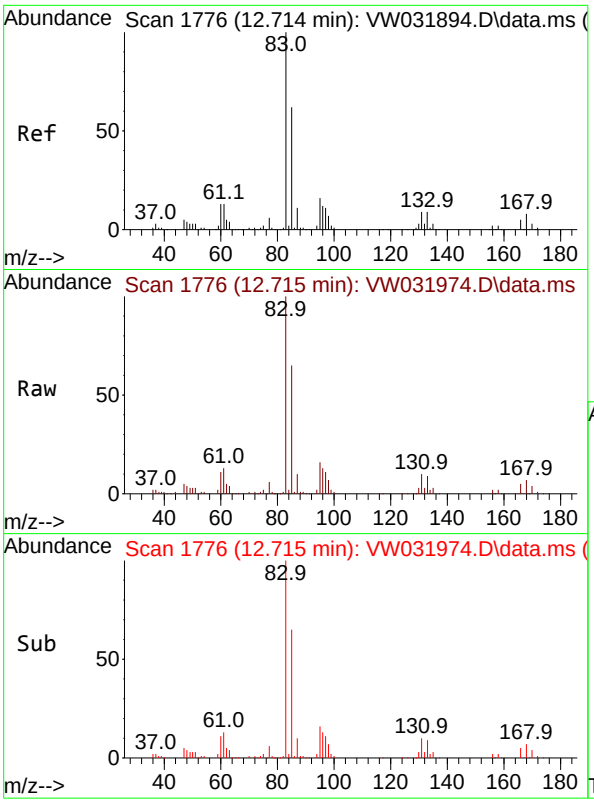


#74
N-amyl acetate
Concen: 17.998 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 75603

Ion	Ratio	Lower	Upper
43	100		
70	45.9	36.6	55.0
55	27.7	20.7	31.1
61	25.2	20.4	30.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.587 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

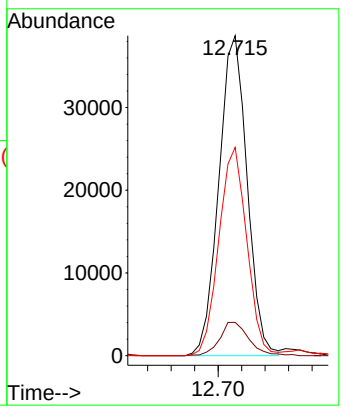
Tgt Ion: 83 Resp: 6460

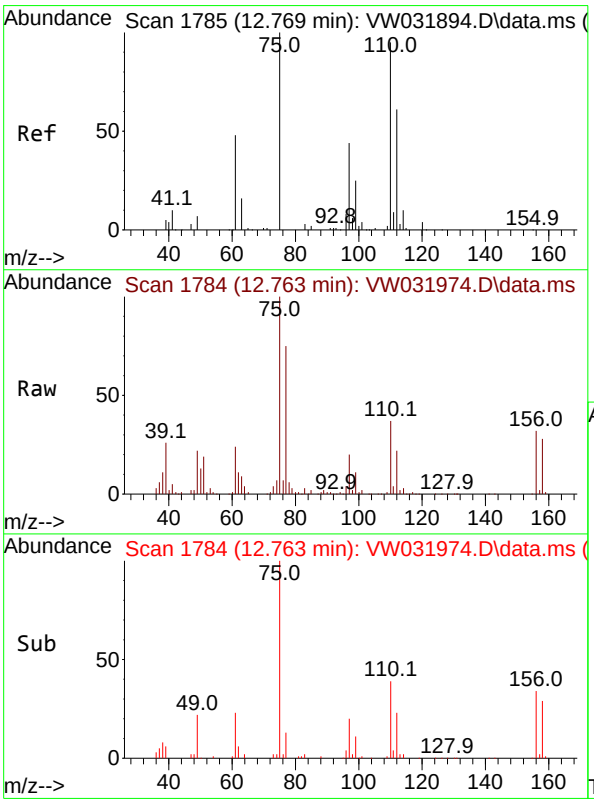
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	15.0
85	64.3	31.8	95.3

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

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Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

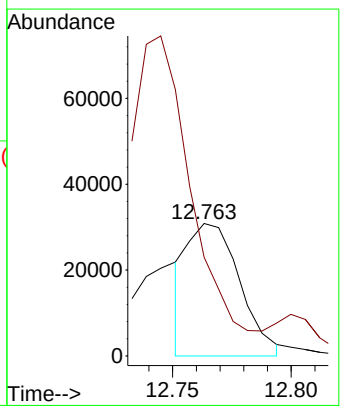


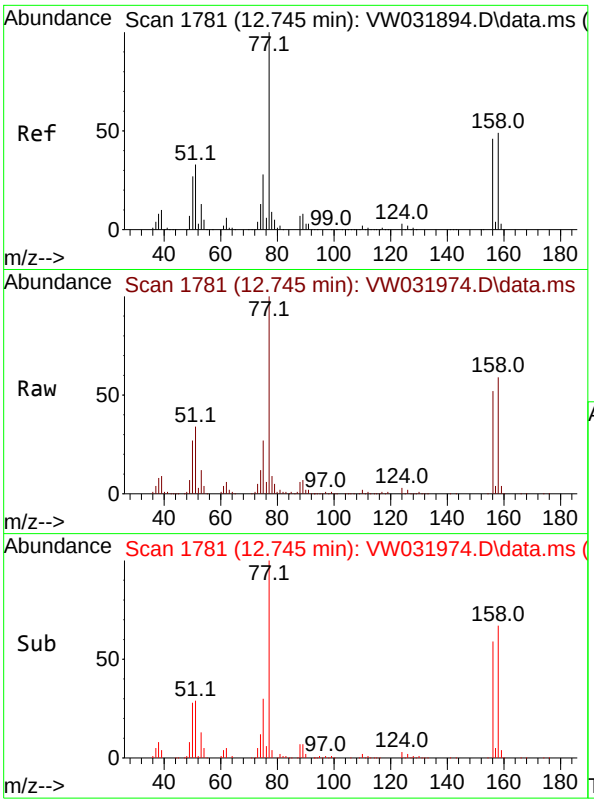


#76
1,2,3-Trichloropropane
Concen: 19.226 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 47535

Ion	Ratio	Lower	Upper
75	100		
77	302.2	0.0	0.0#

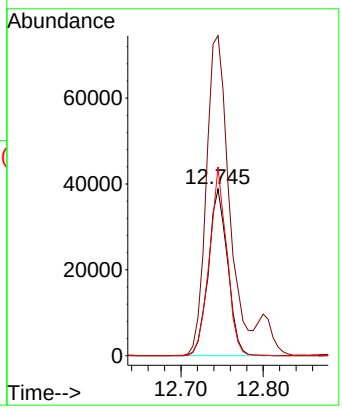




#77
Bromobenzene
Concen: 18.749 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:156 Resp: 6303

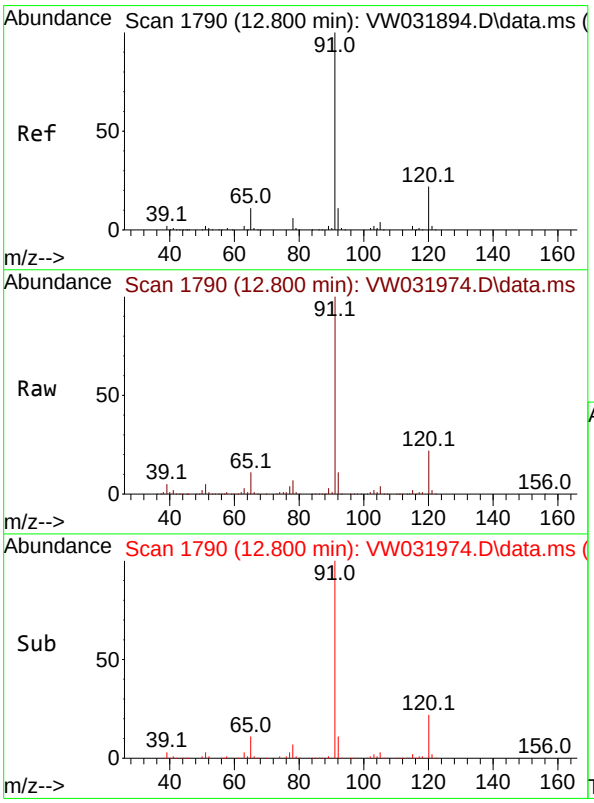
Ion	Ratio	Lower	Upper
156	100		
77	227.9	115.3	345.8
158	103.2	50.1	150.3



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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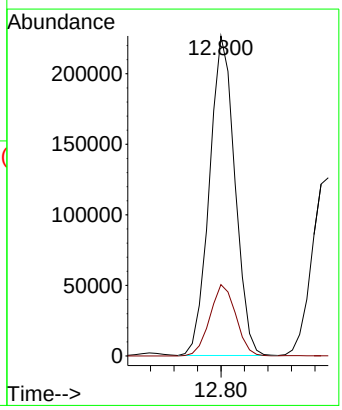
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

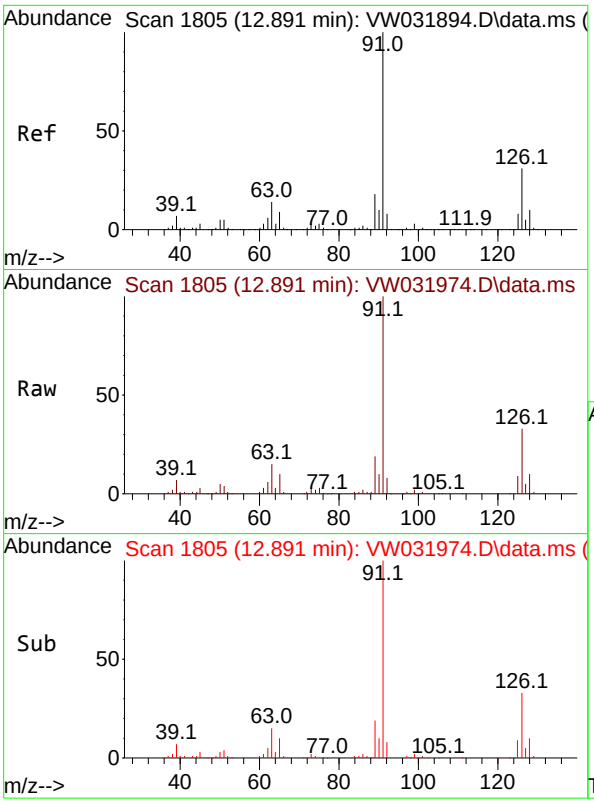


#78
n-propylbenzene
Concen: 17.893 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 91 Resp: 341470

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.6





#79
2-Chlorotoluene
Concen: 18.259 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

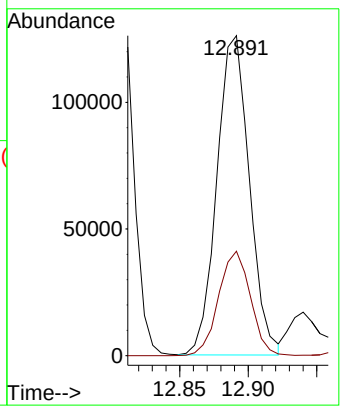
Tgt Ion: 91 Resp: 20804

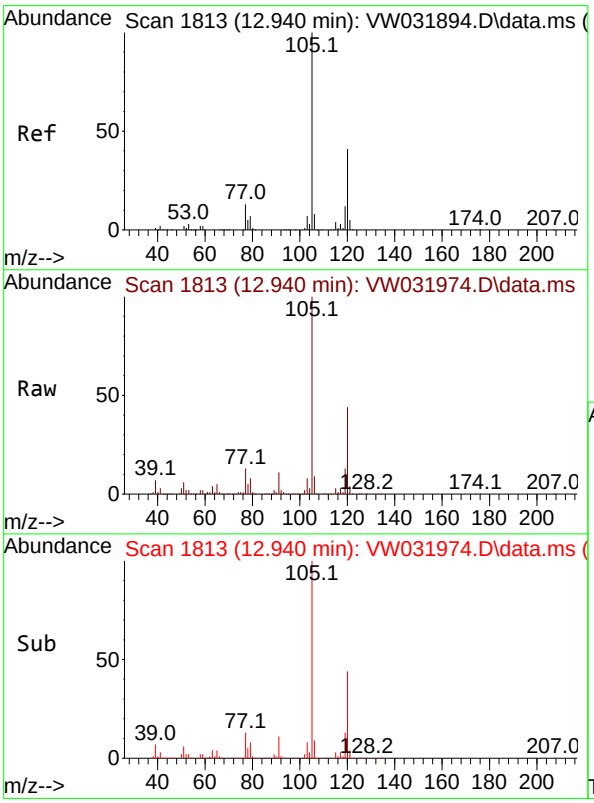
Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.8

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

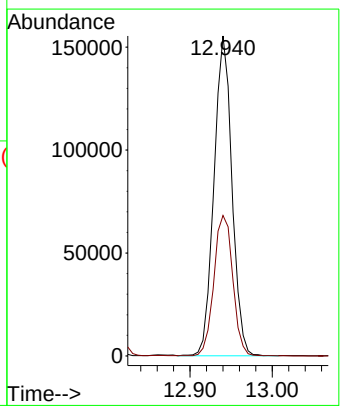


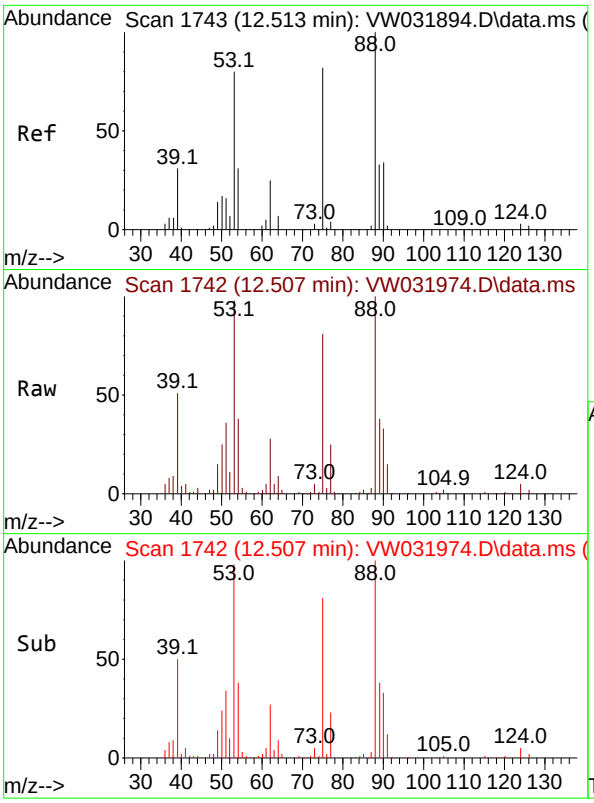


#80
1,3,5-Trimethylbenzene
Concen: 18.109 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:105 Resp: 235990

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5

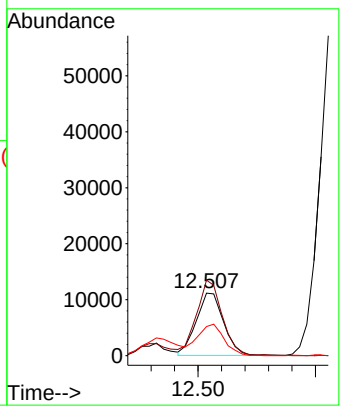




#81
trans-1,4-Dichloro-2-butene
Concen: 16.756 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 1794

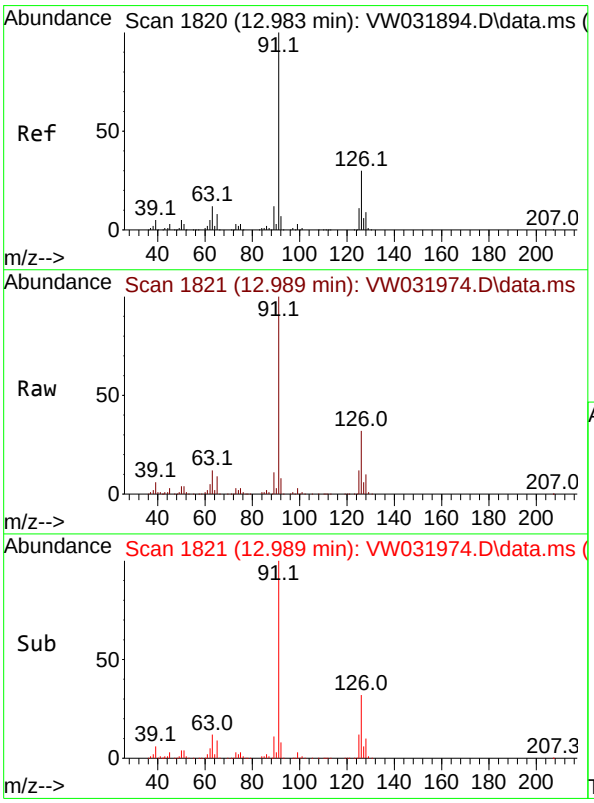
Ion	Ratio	Lower	Upper
75	100		
53	112.7	83.7	125.5
89	49.3	39.0	58.6



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

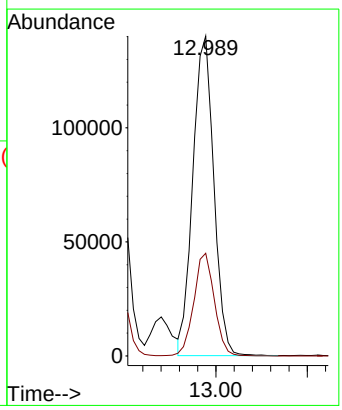
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

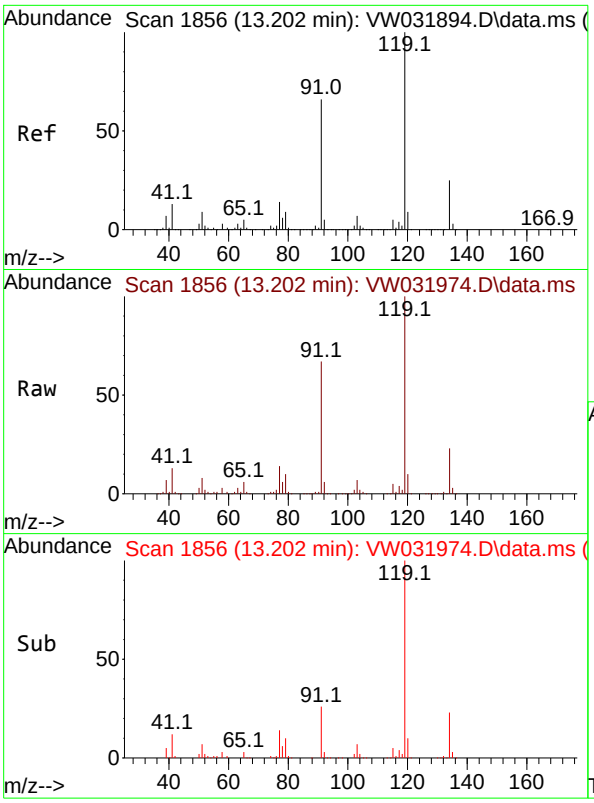


#82
4-Chlorotoluene
Concen: 18.631 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 91 Resp: 222703

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3

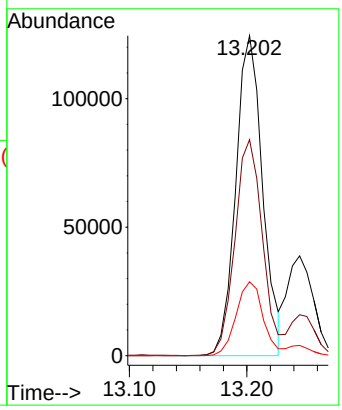




#83
tert-Butylbenzene
Concen: 17.772 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:119 Resp: 19728

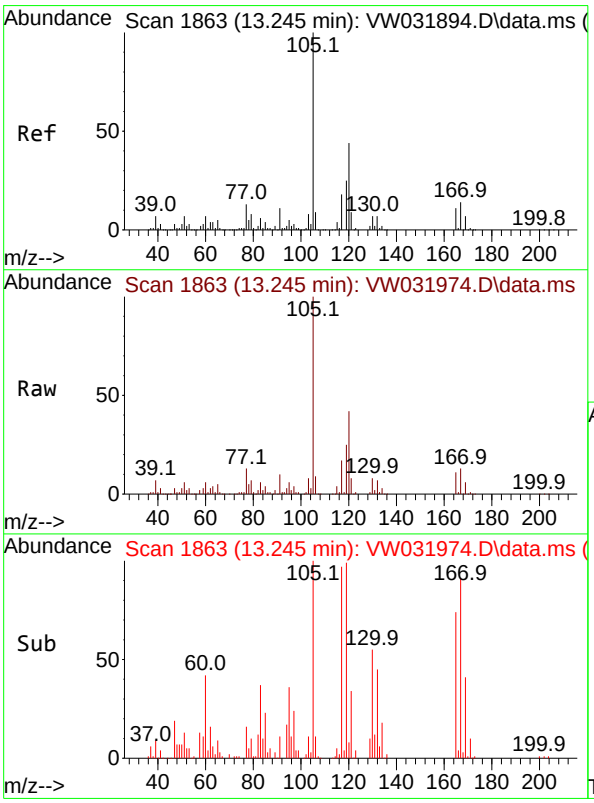
Ion	Ratio	Lower	Upper
119	100		
91	68.9	35.5	106.5
134	23.6	12.4	37.0



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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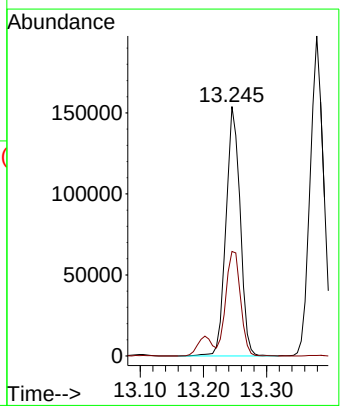
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

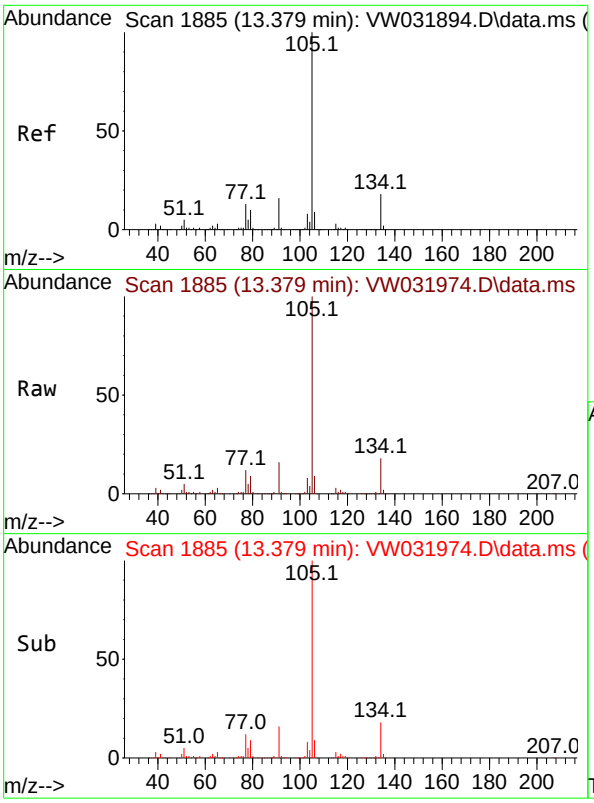


#84
1,2,4-Trimethylbenzene
Concen: 18.128 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:105 Resp: 239109

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.3	63.9





#85
sec-Butylbenzene
Concen: 17.568 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

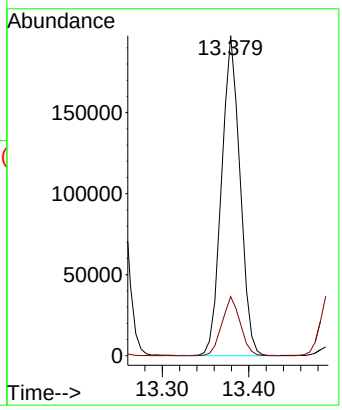
Tgt Ion:105 Resp: 29286

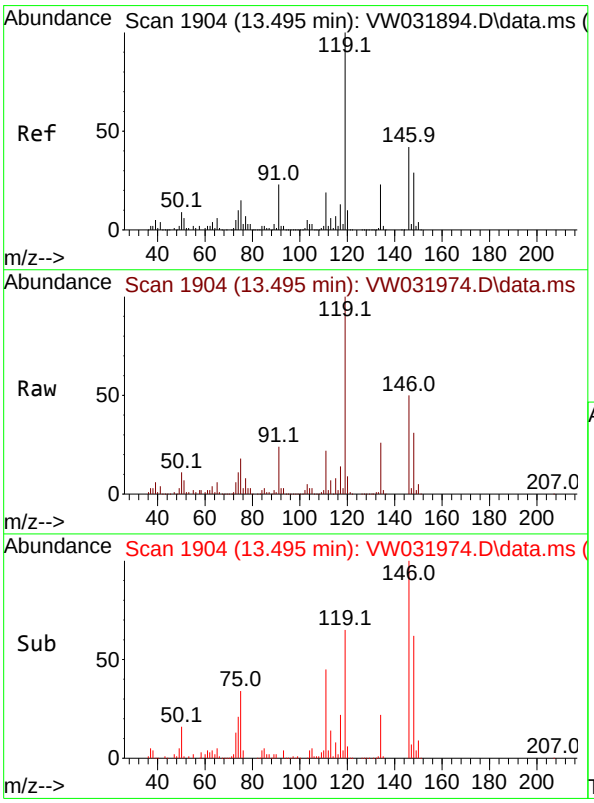
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.2	27.6

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

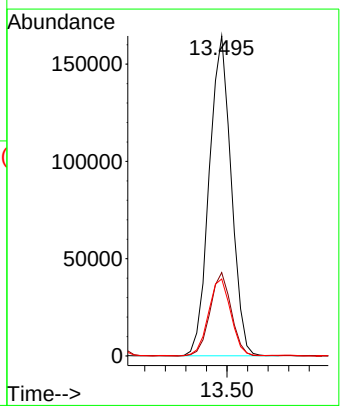


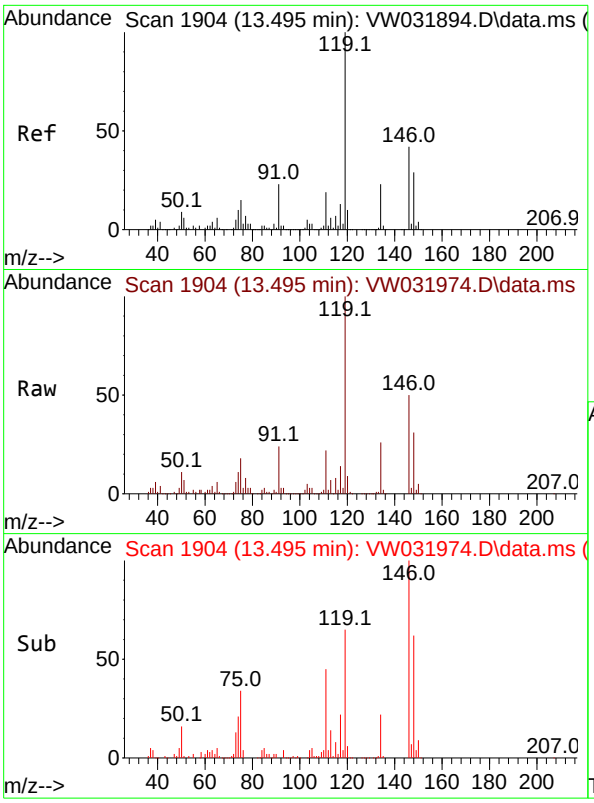


#86
p-Isopropyltoluene
Concen: 17.672 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:119 Resp: 243490

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	24.4	12.7	38.1





#87
1,3-Dichlorobenzene
Concen: 18.660 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

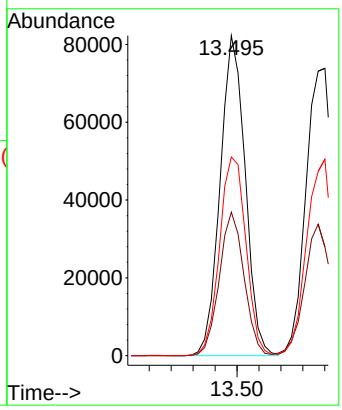
Tgt Ion:146 Resp: 13059

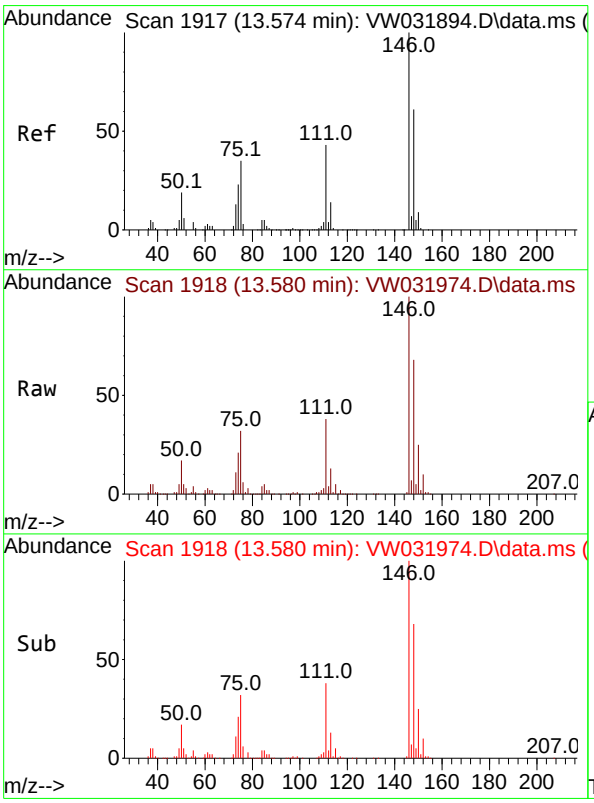
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.7
148	65.5	31.9	95.5

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

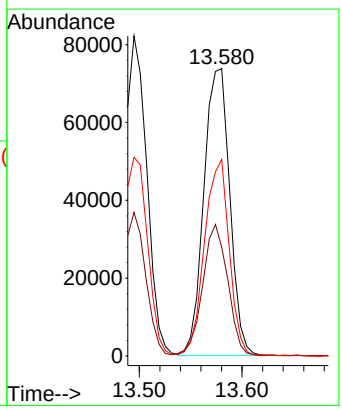


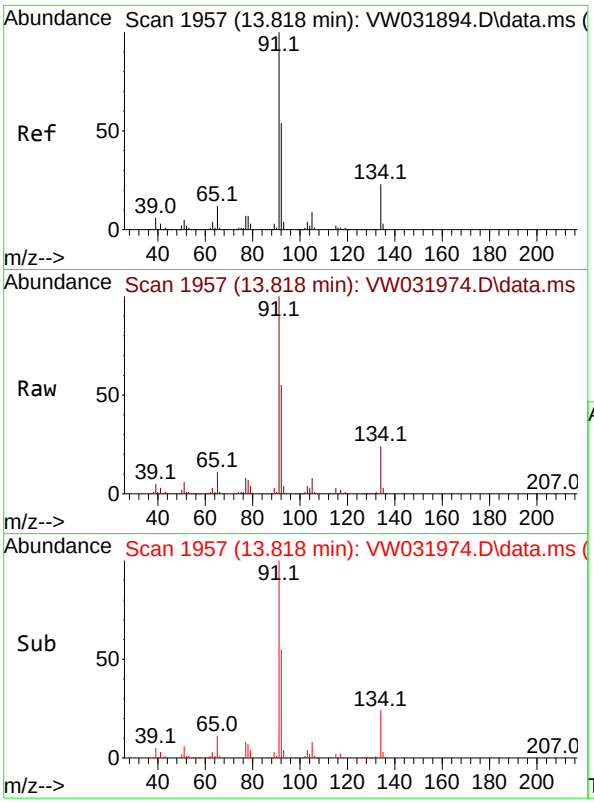


#88
1,4-Dichlorobenzene
Concen: 18.859 ug/l
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:146 Resp: 129287

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	65.2	31.8	95.3

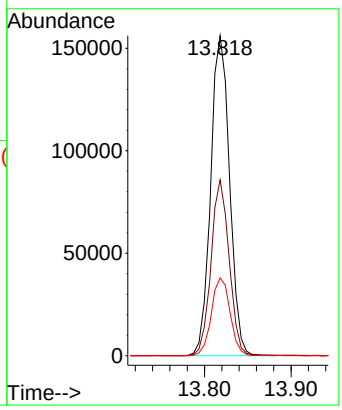




#89
n-Butylbenzene
Concen: 17.508 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 91 Resp: 23664

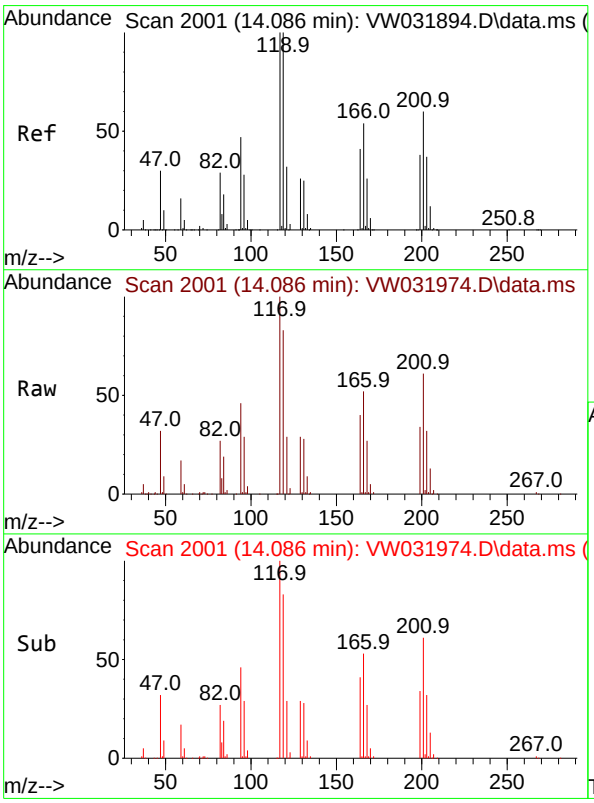
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.2	81.5
134	24.1	11.6	34.7



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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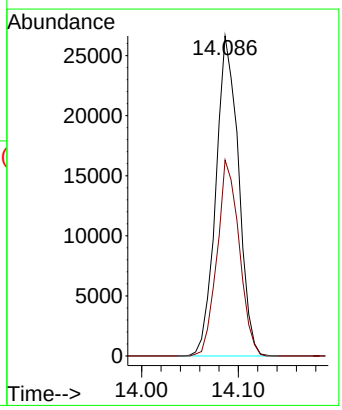
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

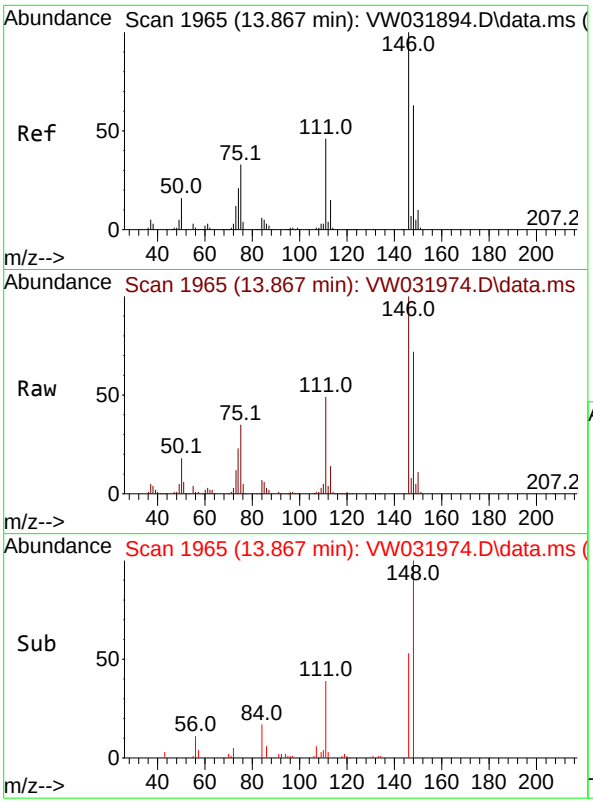


#90
Hexachloroethane
Concen: 18.116 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:117 Resp: 43163

Ion	Ratio	Lower	Upper
117	100		
201	59.8	28.4	85.2

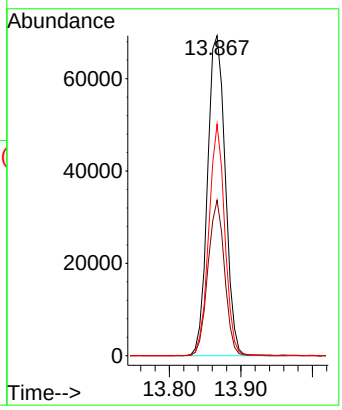




#91
1,2-Dichlorobenzene
Concen: 19.231 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:146 Resp: 11927

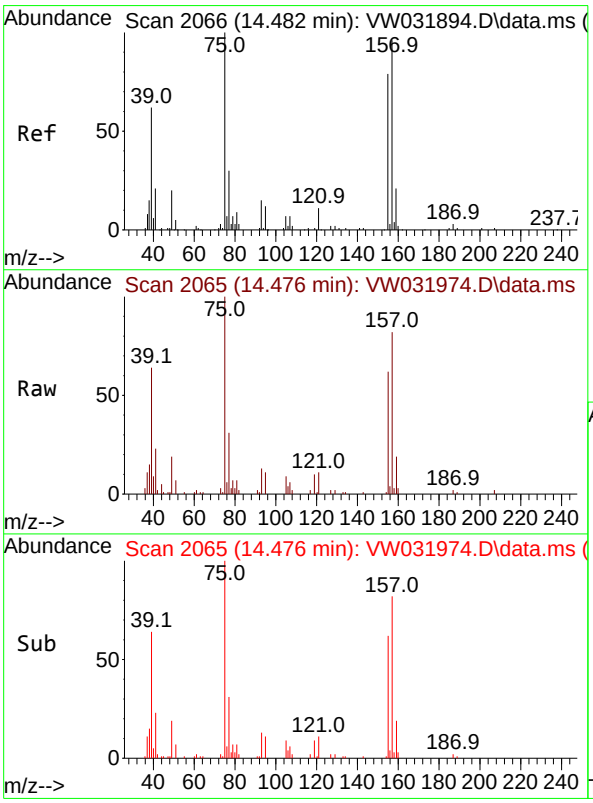
Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.6	71.0
148	65.0	32.4	97.2



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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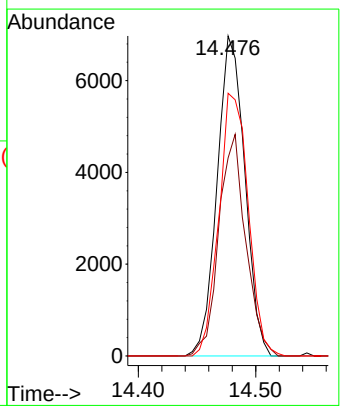
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

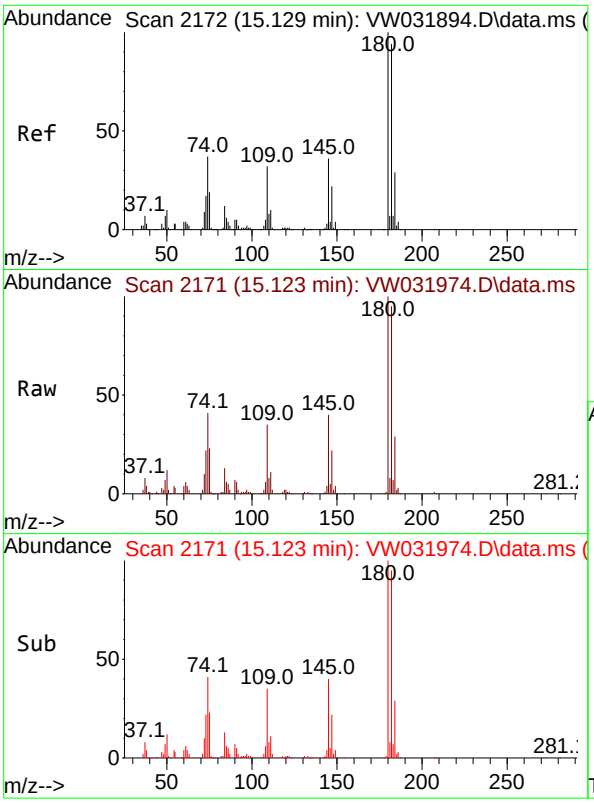


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.184 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 11431

Ion	Ratio	Lower	Upper
75	100		
155	67.6	35.9	107.7
157	86.8	47.4	142.2

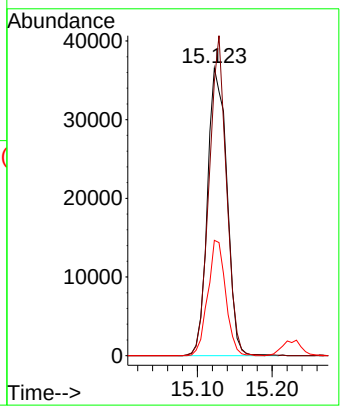




#93
1,2,4-Trichlorobenzene
Concen: 17.632 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:180 Resp: 6594

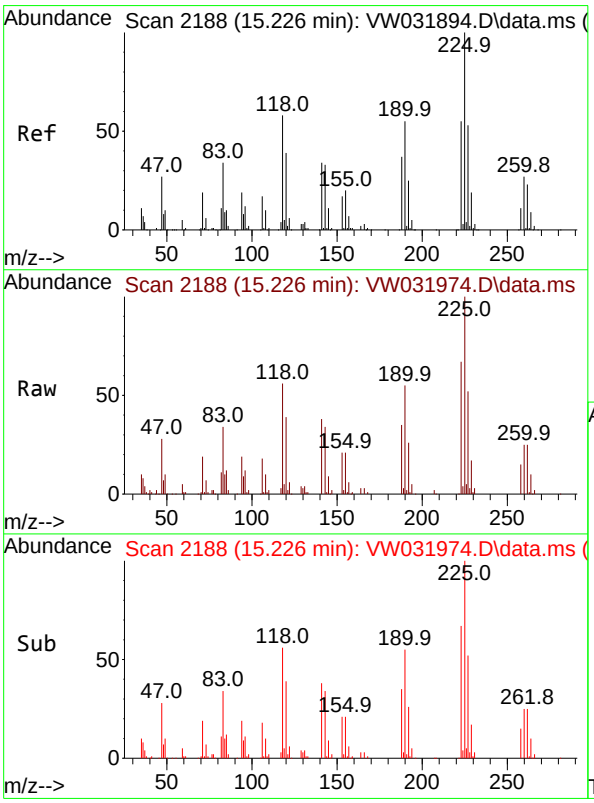
Ion	Ratio	Lower	Upper
180	100		
182	99.3	51.0	153.1
145	37.0	18.4	55.4



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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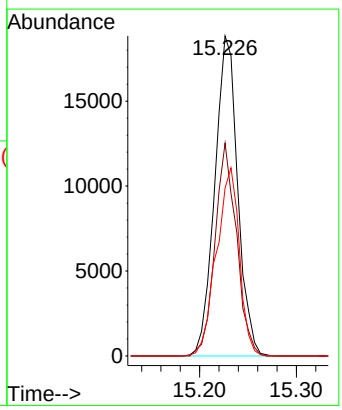
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

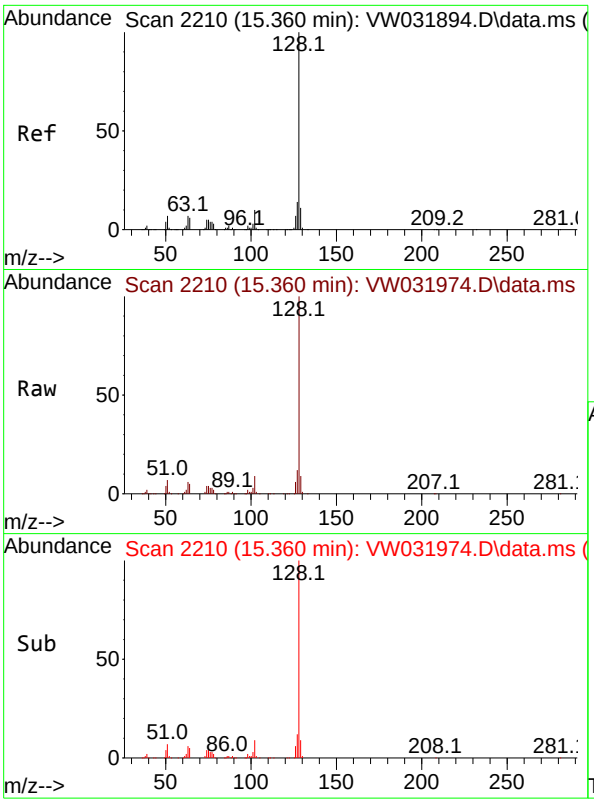


#94
Hexachlorobutadiene
Concen: 17.495 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:225 Resp: 31008

Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.7
227	58.7	30.0	90.1

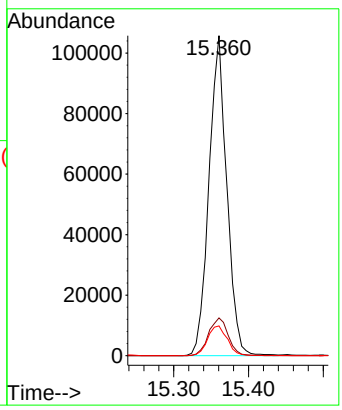




#95
Naphthalene
Concen: 19.055 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:128 Resp: 17522

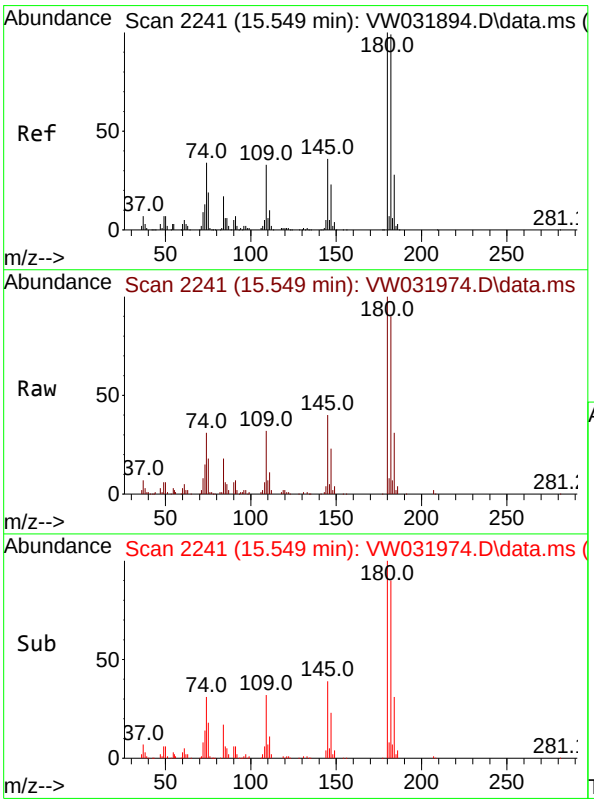
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.3	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations
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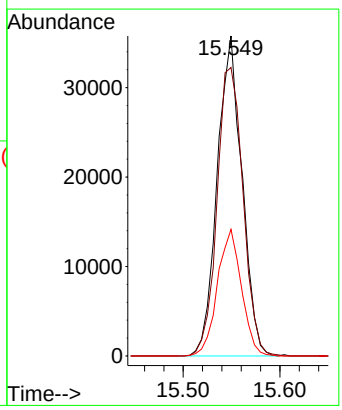
Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.732 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:180 Resp: 63480

Ion	Ratio	Lower	Upper
180	100		
182	94.9	50.4	151.2
145	38.5	18.6	55.8



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

Manual Integration Report

Sequence:	VW072225	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031891.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Ethyl Acetate	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Methacrylonitrile	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC010	VW031892.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:50 PM	MMDadoda	7/24/2025 3:08:42 PM	Peak Integrated by Software
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VSTDICC020	VW031893.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:52 PM	MMDadoda	7/24/2025 3:08:43 PM	Peak Integrated by Software
VSTDICCC050	VW031894.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:54 PM	MMDadoda	7/24/2025 3:08:45 PM	Peak Integrated by Software
VSTDICC100	VW031895.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:55 PM	MMDadoda	7/24/2025 3:08:46 PM	Peak Integrated by Software
VSTDICC150	VW031896.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:57 PM	MMDadoda	7/24/2025 3:08:48 PM	Peak Integrated by Software
VSTDICV050	VW031898.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:59 PM	MMDadoda	7/24/2025 3:08:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW080125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031971.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:16 PM	Sam	8/4/2025 2:29:11 PM	Peak Integrated by Software
VW0801SBS01	VW031973.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:18 PM	Sam	8/4/2025 2:29:12 PM	Peak Integrated by Software
VW0801SBSD01	VW031974.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:20 PM	Sam	8/4/2025 2:29:14 PM	Peak Integrated by Software
VSTDCCC050	VW031985.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:25 PM	Sam	8/4/2025 2:29:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vw080425	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031987.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:48:47 PM	Sam	8/5/2025 12:54:06 PM	Peak Integrated by Software
VW0804SBS01	VW031989.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:48:48 PM	Sam	8/5/2025 12:54:08 PM	Peak Integrated by Software
VSTDCCC050	VW032002.D	1,2,3-Trichloropropane	MMDadoda	8/5/2025 12:49:00 PM	Sam	8/5/2025 12:54:13 PM	Peak Integrated by Software

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM				
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM				
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031890.D	22 Jul 2025 08:14	SY/MD	Ok
2	VSTDICC005	VW031891.D	22 Jul 2025 09:05	SY/MD	Ok,M
3	VSTDICC010	VW031892.D	22 Jul 2025 09:37	SY/MD	Ok,M
4	VSTDICC020	VW031893.D	22 Jul 2025 10:17	SY/MD	Ok,M
5	VSTDICCC050	VW031894.D	22 Jul 2025 10:39	SY/MD	Ok,M
6	VSTDICC100	VW031895.D	22 Jul 2025 11:18	SY/MD	Ok,M
7	VSTDICC150	VW031896.D	22 Jul 2025 12:00	SY/MD	Ok,M
8	VIBLK	VW031897.D	22 Jul 2025 12:21	SY/MD	Ok
9	VSTDICV050	VW031898.D	22 Jul 2025 14:47	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080125

Review By	Mahesh Dadoda	Review On	8/4/2025 1:49:28 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/4/2025 2:29:21 PM				
SubDirectory	VW080125	HP Acquire Method	MSVOA_W		HP Processing Method	82w072225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134960
Initial Calibration Stds	
CCC	VP134962,VP134963
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031970.D	01 Aug 2025 07:52	SY/MD	Ok
2	VSTDCCC050	VW031971.D	01 Aug 2025 08:21	SY/MD	Ok,M
3	VW0801SBL01	VW031972.D	01 Aug 2025 09:21	SY/MD	Ok
4	VW0801SBS01	VW031973.D	01 Aug 2025 09:49	SY/MD	Ok,M
5	VW0801SBSD01	VW031974.D	01 Aug 2025 10:12	SY/MD	Ok,M
6	Q2741-01	VW031975.D	01 Aug 2025 11:12	SY/MD	ReRun
7	Q2740-01	VW031976.D	01 Aug 2025 11:34	SY/MD	Ok
8	Q2743-01	VW031977.D	01 Aug 2025 11:56	SY/MD	Ok
9	Q2747-01	VW031978.D	01 Aug 2025 12:18	SY/MD	ReRun
10	Q2747-03	VW031979.D	01 Aug 2025 12:40	SY/MD	ReRun
11	Q2747-05	VW031980.D	01 Aug 2025 13:02	SY/MD	ReRun
12	Q2747-07	VW031981.D	01 Aug 2025 13:24	SY/MD	ReRun
13	Q2747-09	VW031982.D	01 Aug 2025 13:47	SY/MD	ReRun
14	Q2741-01	VW031983.D	01 Aug 2025 14:09	SY/MD	Ok
15	VIBLK	VW031984.D	01 Aug 2025 14:35	SY/MD	Ok
16	VSTDCCC050	VW031985.D	01 Aug 2025 14:57	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080425

Review By	Mahesh Dadoda	Review On	8/5/2025 12:49:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/5/2025 12:54:19 PM				
SubDirectory	VW080425	HP Acquire Method	MSVOA_W		HP Processing Method	82w072225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134974
Initial Calibration Stds	
CCC	VP134975,VP134976
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031986.D	04 Aug 2025 07:47	SY/MD	Ok
2	VSTDCCC050	VW031987.D	04 Aug 2025 09:24	SY/MD	Ok,M
3	VW0804SBL01	VW031988.D	04 Aug 2025 09:54	SY/MD	Ok
4	VW0804SBS01	VW031989.D	04 Aug 2025 10:20	SY/MD	Ok,M
5	VW0804SBSD01	VW031990.D	04 Aug 2025 10:42	SY/MD	Ok,M
6	Q2747-01RE	VW031991.D	04 Aug 2025 11:22	SY/MD	Confirms
7	Q2747-03RE	VW031992.D	04 Aug 2025 11:44	SY/MD	Confirms
8	Q2747-05RE	VW031993.D	04 Aug 2025 12:06	SY/MD	Confirms
9	Q2747-07RE	VW031994.D	04 Aug 2025 12:28	SY/MD	Confirms
10	Q2747-09RE	VW031995.D	04 Aug 2025 12:50	SY/MD	Confirms
11	Q2753-01	VW031996.D	04 Aug 2025 13:12	SY/MD	Ok
12	Q2757-02	VW031997.D	04 Aug 2025 13:34	SY/MD	ReRun
13	Q2758-01	VW031998.D	04 Aug 2025 13:56	SY/MD	Ok
14	Q2759-01	VW031999.D	04 Aug 2025 14:18	SY/MD	Dilution
15	Q2760-01	VW032000.D	04 Aug 2025 14:40	SY/MD	ReRun
16	VIBLK	VW032001.D	04 Aug 2025 15:03	SY/MD	Ok
17	VSTDCCC050	VW032002.D	04 Aug 2025 15:24	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM		
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031890.D	22 Jul 2025 08:14		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031891.D	22 Jul 2025 09:05	Comp. #20 is on Linear Regression	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031892.D	22 Jul 2025 09:37	Comp. #13 is on Quadratic Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031893.D	22 Jul 2025 10:17		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031894.D	22 Jul 2025 10:39		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031895.D	22 Jul 2025 11:18		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031896.D	22 Jul 2025 12:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031897.D	22 Jul 2025 12:21		SY/MD	Ok
9	VSTDICV050	ICVVW072225	VW031898.D	22 Jul 2025 14:47		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080125

Review By	Mahesh Dadoda	Review On	8/4/2025 1:49:28 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/4/2025 2:29:21 PM		
SubDirectory	VW080125	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134960
Initial Calibration Stds	
CCC	VP134962,VP134963
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031970.D	01 Aug 2025 07:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031971.D	01 Aug 2025 08:21		SY/MD	Ok,M
3	VW0801SBL01	VW0801SBL01	VW031972.D	01 Aug 2025 09:21		SY/MD	Ok
4	VW0801SBS01	VW0801SBS01	VW031973.D	01 Aug 2025 09:49		SY/MD	Ok,M
5	VW0801SBSD01	VW0801SBSD01	VW031974.D	01 Aug 2025 10:12		SY/MD	Ok,M
6	Q2741-01	TR-05-07312025	VW031975.D	01 Aug 2025 11:12	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
7	Q2740-01	OR-02-07312025	VW031976.D	01 Aug 2025 11:34	vial-A	SY/MD	Ok
8	Q2743-01	WC1	VW031977.D	01 Aug 2025 11:56	vial-A	SY/MD	Ok
9	Q2747-01	OU4-TS-GRILLO-OG2-	VW031978.D	01 Aug 2025 12:18	vial-A Surrogate fail	SY/MD	ReRun
10	Q2747-03	OU4-TS-GRILLO-OG3-	VW031979.D	01 Aug 2025 12:40	vial-A Surrogate fail	SY/MD	ReRun
11	Q2747-05	OU4-TS-GRILLO-OG4-	VW031980.D	01 Aug 2025 13:02	vial-A Surrogate fail	SY/MD	ReRun
12	Q2747-07	OU4-TS-GRILLO-TSCF	VW031981.D	01 Aug 2025 13:24	vial-A Surrogate fail	SY/MD	ReRun
13	Q2747-09	OU4-TS-GRILLO-TSCF	VW031982.D	01 Aug 2025 13:47	vial-A Surrogate fail	SY/MD	ReRun
14	Q2741-01	TR-05-07312025	VW031983.D	01 Aug 2025 14:09	vial-B	SY/MD	Ok
15	VIBLK	VIBLK	VW031984.D	01 Aug 2025 14:35		SY/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VW031985.D	01 Aug 2025 14:57		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080425

Review By	Mahesh Dadoda	Review On	8/5/2025 12:49:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/5/2025 12:54:19 PM		
SubDirectory	VW080425	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134974
Initial Calibration Stds	
CCC	VP134975,VP134976
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031986.D	04 Aug 2025 07:47		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031987.D	04 Aug 2025 09:24		SY/MD	Ok,M
3	VW0804SBL01	VW0804SBL01	VW031988.D	04 Aug 2025 09:54		SY/MD	Ok
4	VW0804SBS01	VW0804SBS01	VW031989.D	04 Aug 2025 10:20		SY/MD	Ok,M
5	VW0804SBSD01	VW0804SBSD01	VW031990.D	04 Aug 2025 10:42		SY/MD	Ok,M
6	Q2747-01RE	OU4-TS-GRILLO-OG2-	VW031991.D	04 Aug 2025 11:22	vial-B surrogate Fail	SY/MD	Confirms
7	Q2747-03RE	OU4-TS-GRILLO-OG3-	VW031992.D	04 Aug 2025 11:44	vial-B surrogate Fail	SY/MD	Confirms
8	Q2747-05RE	OU4-TS-GRILLO-OG4-	VW031993.D	04 Aug 2025 12:06	vial-B surrogate Fail	SY/MD	Confirms
9	Q2747-07RE	OU4-TS-GRILLO-TSCP	VW031994.D	04 Aug 2025 12:28	vial-B surrogate Fail	SY/MD	Confirms
10	Q2747-09RE	OU4-TS-GRILLO-TSCP	VW031995.D	04 Aug 2025 12:50	vial-B surrogate Fail	SY/MD	Confirms
11	Q2753-01	289	VW031996.D	04 Aug 2025 13:12	vial-A	SY/MD	Ok
12	Q2757-02	VOC	VW031997.D	04 Aug 2025 13:34	vial-A Internal Standard fail	SY/MD	ReRun
13	Q2758-01	WASTE	VW031998.D	04 Aug 2025 13:56	vial-A	SY/MD	Ok
14	Q2759-01	SOLID-DRUMS	VW031999.D	04 Aug 2025 14:18	vial-A Need MeOH	SY/MD	Dilution
15	Q2760-01	NB-07-08042025	VW032000.D	04 Aug 2025 14:40	vial-A Internal Standard fail	SY/MD	ReRun
16	VIBLK	VIBLK	VW032001.D	04 Aug 2025 15:03		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VW032002.D	04 Aug 2025 15:24		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/4/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 16:15
In Date: 08/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136681

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2744-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2744-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2744-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2744-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2744-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2744-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2747-01	OU4-TS-GRILLO-OG2-073125	7	1.17	10.04	11.21	8.77	75.7	
Q2747-03	OU4-TS-GRILLO-OG3-073125	8	1.16	10.28	11.44	9.14	77.6	
Q2747-05	OU4-TS-GRILLO-OG4-073125	9	1.17	10.36	11.53	9.51	80.5	
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	10	1.16	10.07	11.23	7.85	66.4	
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	11	1.18	10.08	11.26	7.6	63.7	
Q2753-01	289	12	1.17	10.62	11.79	10.99	92.5	
Q2754-01	OILY-RAGS	13	1.00	1.00	2.00	2.00	100.0	oily-rags
Q2755-01	80125-A	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2755-02	80125-B	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 136681

WorkList Name : % SOLID-080125 **WorkList ID :** 191065 **Department :** Wet-Chemistry **Date :** 08-01-2025 15:30:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2744-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2753-01	289	Solid	Percent Solids	Cool 4 deg C	PSEG01	D41	08/01/2025	Chemtech -SO
Q2754-01	OILY-RAGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-01	80125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-02	80125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO

Date/Time 08/01/25 15:50
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: CP SM

Date/Time 08/01/25 16:25
Raw Sample Received by: CP SM
Raw Sample Relinquished by: 12(WC)

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Prep Standard - Chemical Standard Summary

Order ID : Q2747

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VW080125,vw080425,

Standard ID :
VP133934,VP134147,VP134149,VP134150,VP134478,VP134479,VP134810,VP134811,VP134934,VP134957,VP134960,VP134962,VP134963,VP134974,VP134975,VP134976,

Chemical ID :
V13391,V14290,V14438,V14440,V14505,V14506,V14527,V14528,V14625,V14629,V14636,V14637,V14638,V14639,V14673,V14708,V14712,V14713,V14748,V14752,V14808,V14822,V14843,V14906,V14921,V14929,V15050,V15051,V15052,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP134147	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14673 + 19.00000ml of V14929 = Final Quantity: 20.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP134150	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 7.50000ml of V14929 + 12.50000ml of VP134149 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP134478	06/24/2025	08/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/26/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14438 + 1.00000ml of V14440 + 1.00000ml of V14505 + 1.00000ml of V14506 + 1.00000ml of V14527 + 1.00000ml of V14528 + 1.00000ml of V14708 + 1.00000ml of V14748 + 1.00000ml of V14752 + 1.00000ml of V14808 + 1.00000ml of V14822 + 1.50000ml of V14712 + 1.50000ml of V14713 + 10.60000ml of V14929 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP134479	06/24/2025	08/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/26/2025

FROM 5.62500ml of V14929 + 9.37500ml of VP134478 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP134810	07/18/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/23/2025

FROM 1.00000ml of V15052 + 1.50000ml of V15050 + 1.50000ml of V15051 + 21.00000ml of V14629 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP134811	07/18/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/23/2025

FROM 5.62500ml of V14629 + 9.37500ml of VP134810 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP134934	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.10000ml of V14906 + 24.90000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP134960	08/01/2025	08/02/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134962	08/01/2025	08/02/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134479 + 0.00250ml of VP134811 + 0.00250ml of VP134934 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134963	08/01/2025	08/02/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134479 + 0.00250ml of VP134811 + 0.00250ml of VP134934 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP134974	08/04/2025	08/05/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP134957 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134975	08/04/2025	08/05/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134479 + 0.00250ml of VP134811 + 0.00250ml of VP134934 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134976	08/04/2025	08/05/2025	Amit Patel	None	None	Mahesh Dadoda 08/06/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134479 + 0.00250ml of VP134811 + 0.00250ml of VP134934 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	06/23/2025 / SAM	08/15/2024 / SAM	V14438

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	06/23/2025 / SAM	08/15/2024 / SAM	V14440

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	12/23/2025	06/23/2025 / SAM	09/17/2024 / SAM	V14505

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	12/23/2025	06/23/2025 / SAM	09/17/2024 / SAM	V14506

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	12/23/2025	06/23/2025 / SAM	09/18/2024 / SAM	V14527

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	12/23/2025	06/23/2025 / SAM	09/18/2024 / SAM	V14528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/09/2026	07/07/2025 / SAM	11/26/2024 / SAM	V14629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14708

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14712

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14713

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14748

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14752

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	12/23/2025	06/23/2025 / SAM	01/08/2025 / SAM	V14808

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	12/23/2025	06/23/2025 / SAM	01/08/2025 / SAM	V14822

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15050

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15051

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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Certificate of Analysis

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Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

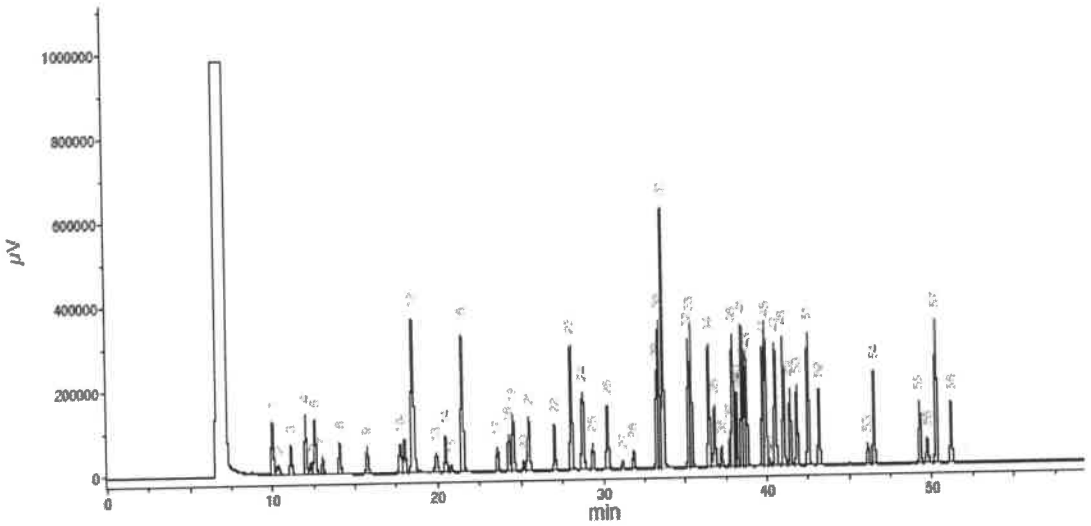
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 846mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

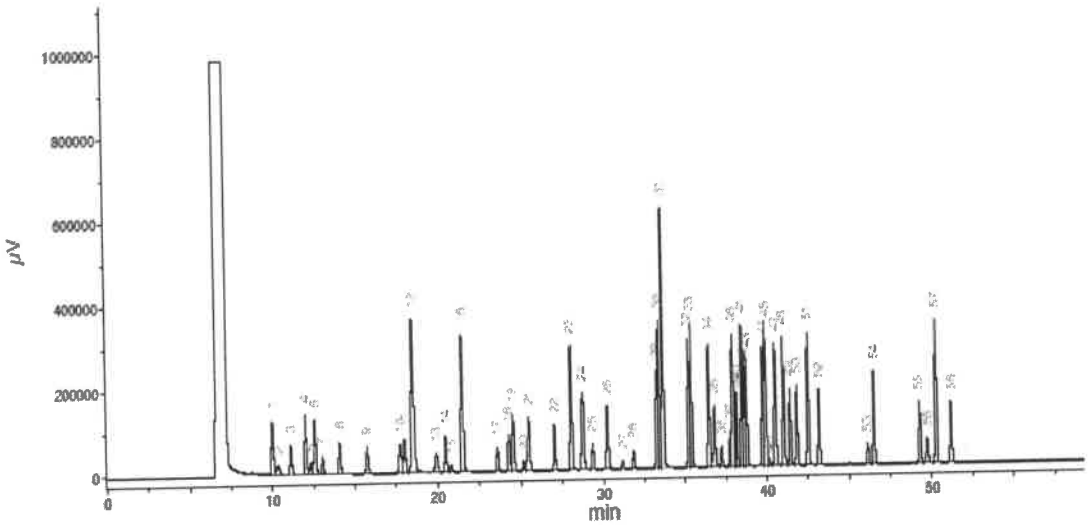
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

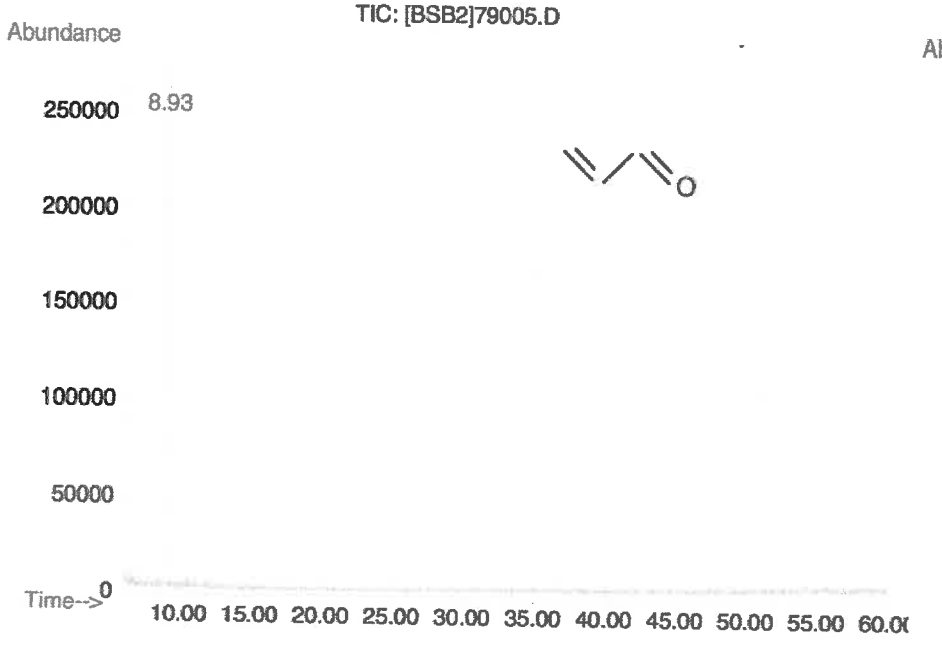
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

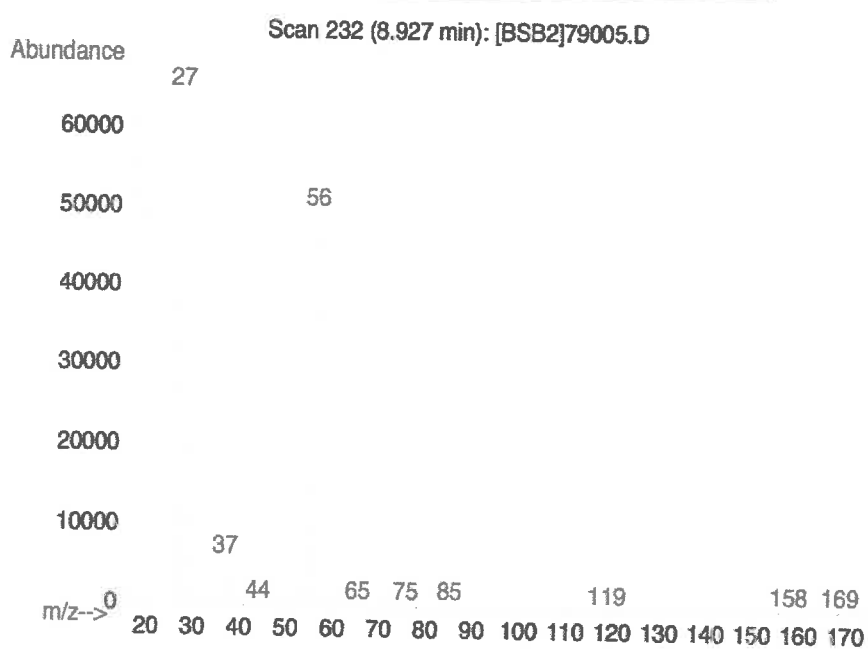
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
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Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

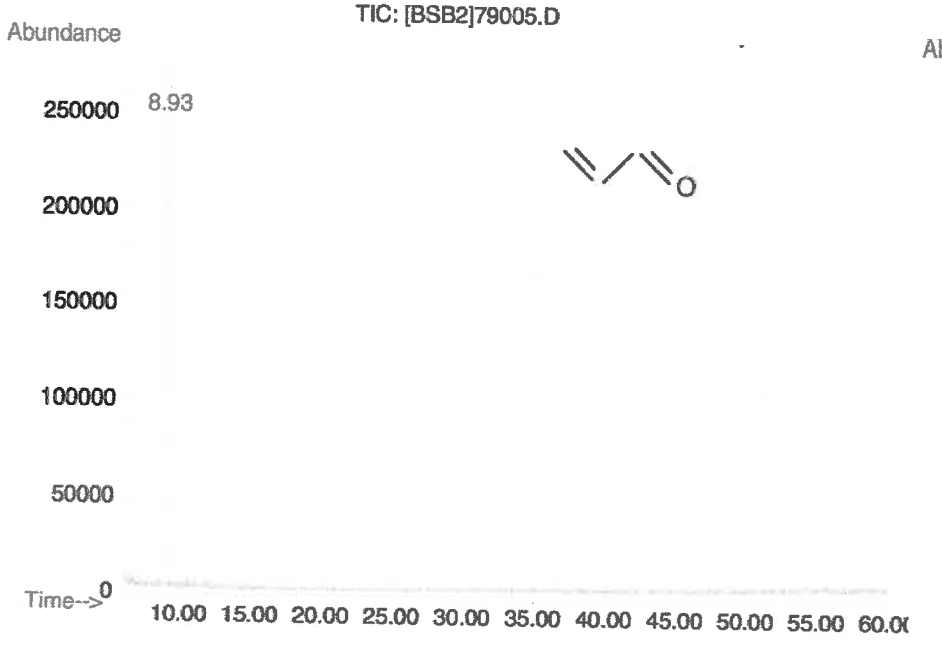
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

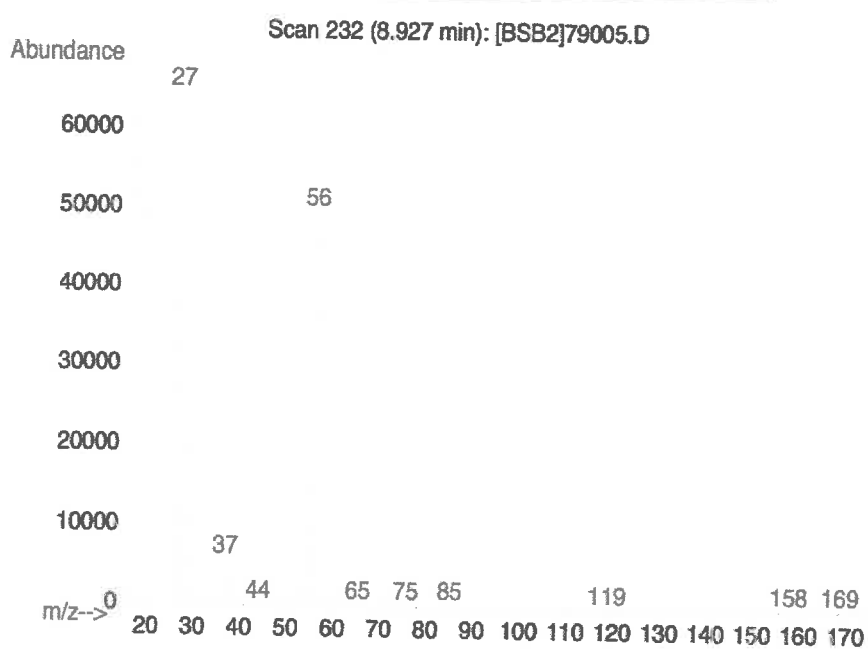
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Rec 12/6/24
20 vial

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

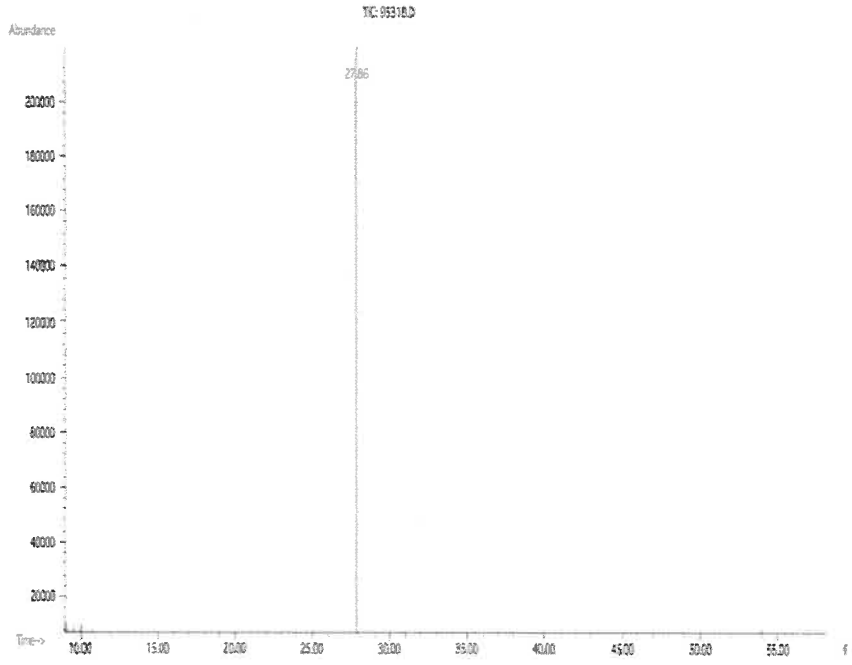
V14630 to V14649

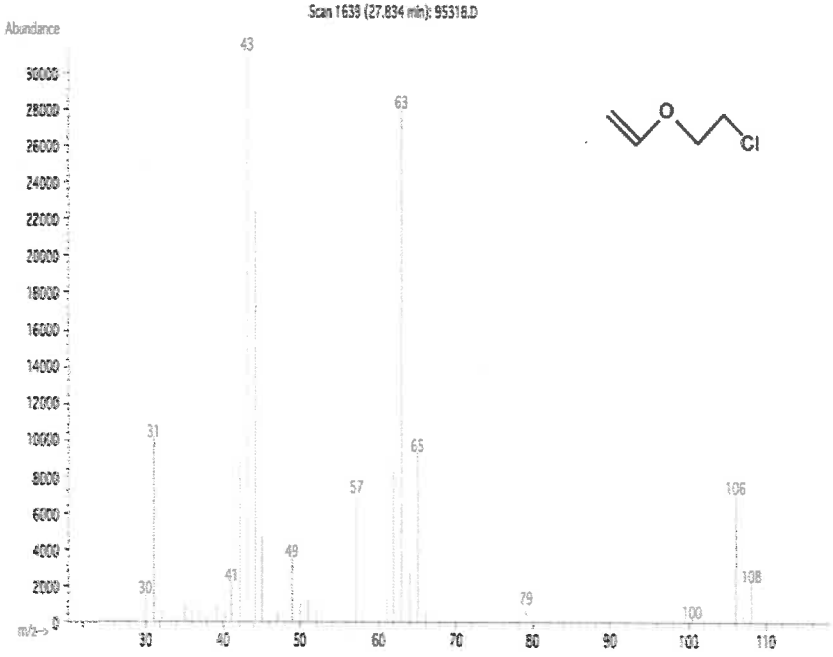
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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20 vial

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

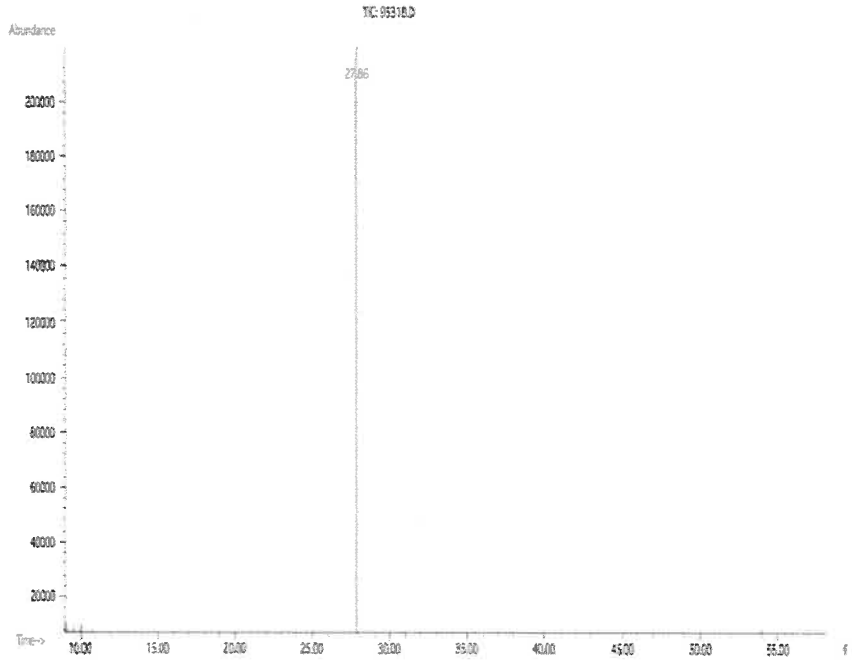
V14630 to V14649

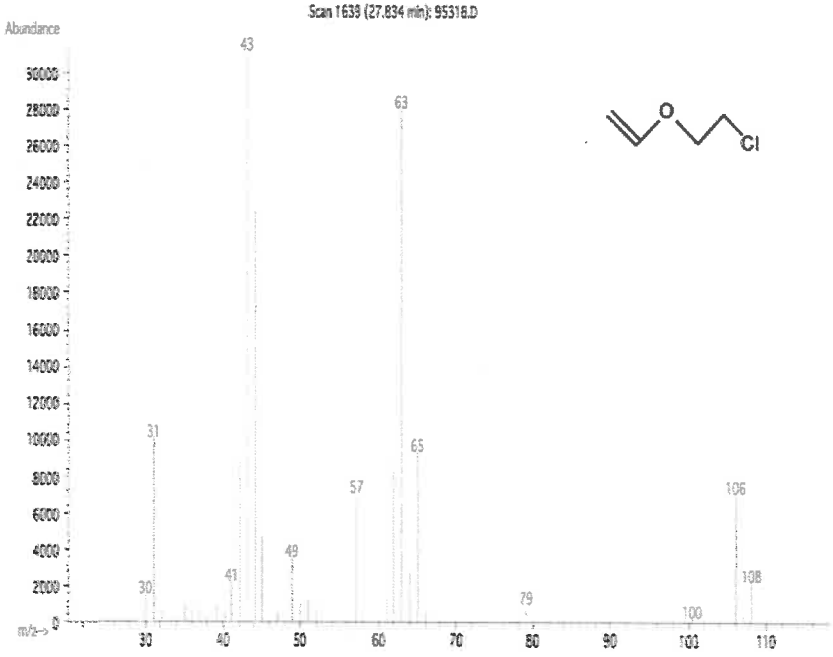
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Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Signal Word: DANGER

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Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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Lot Number: 120524
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NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

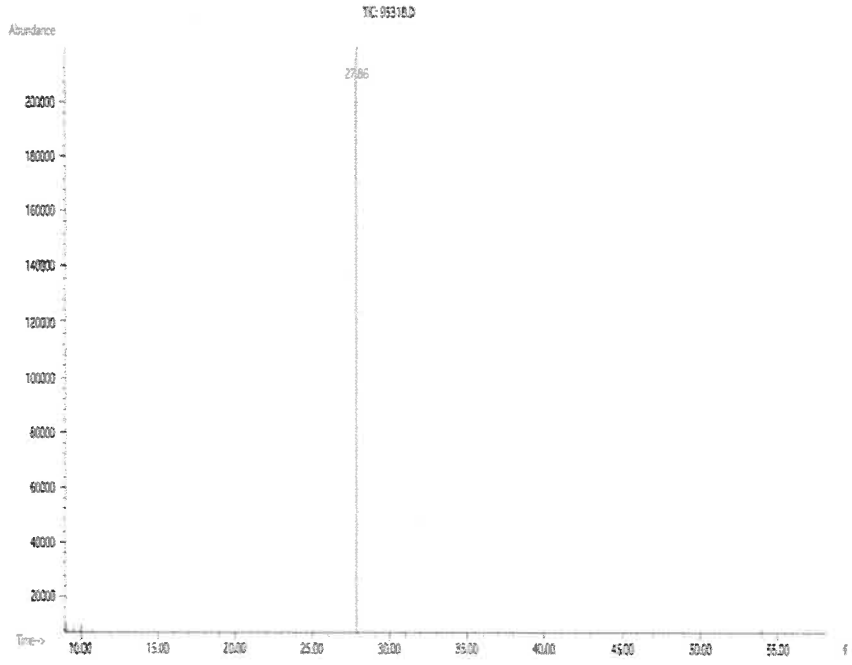
V14630 to V14649

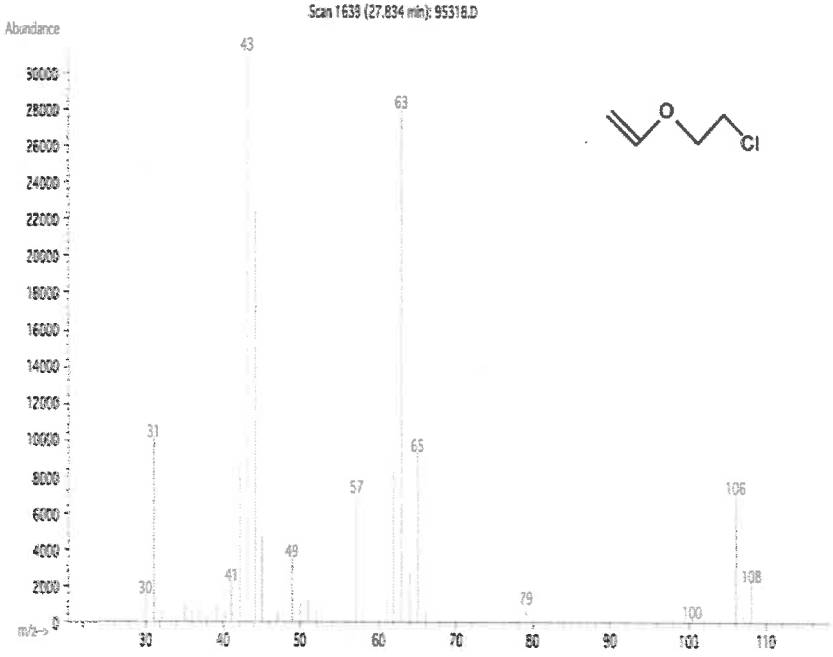
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

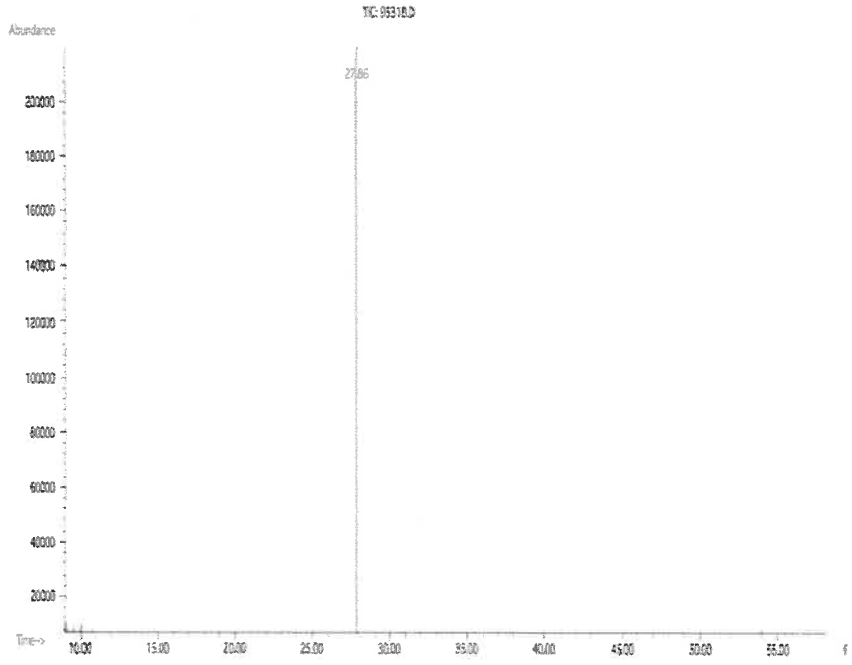
V14630 to V14649

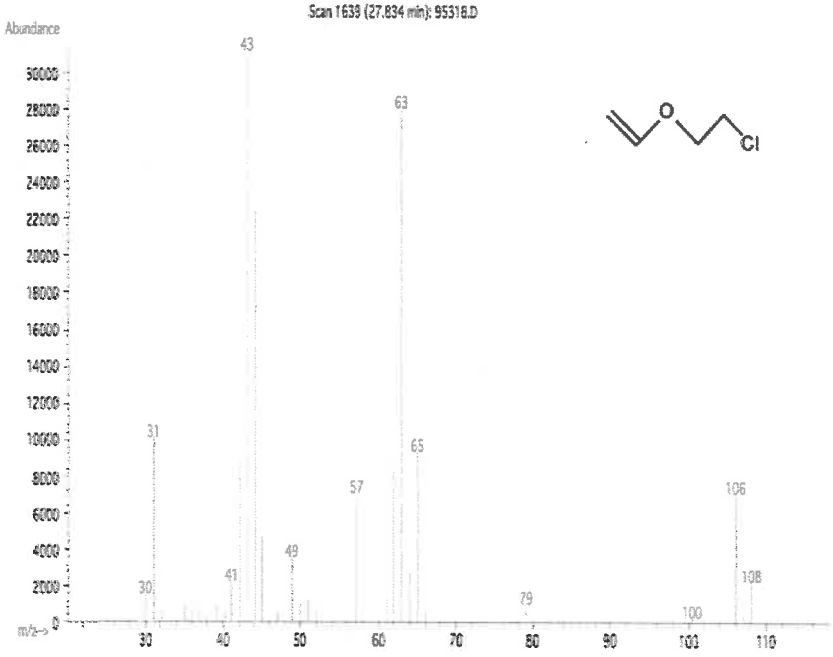
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Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

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Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

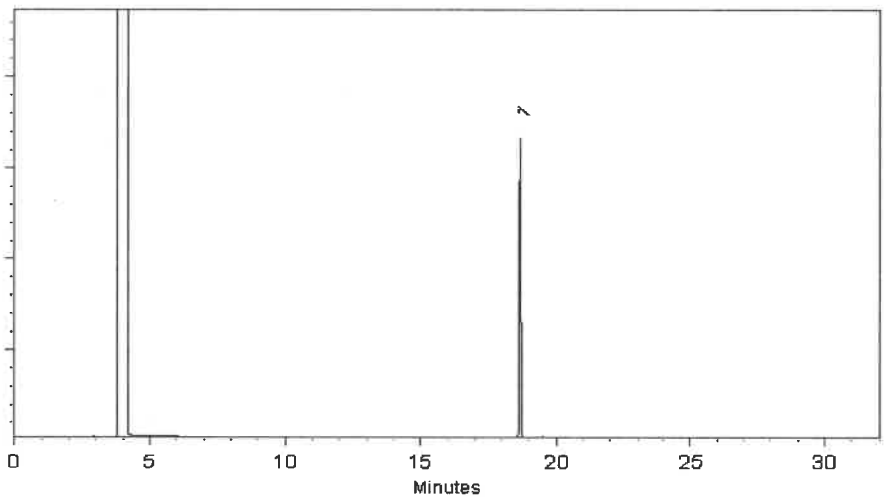
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

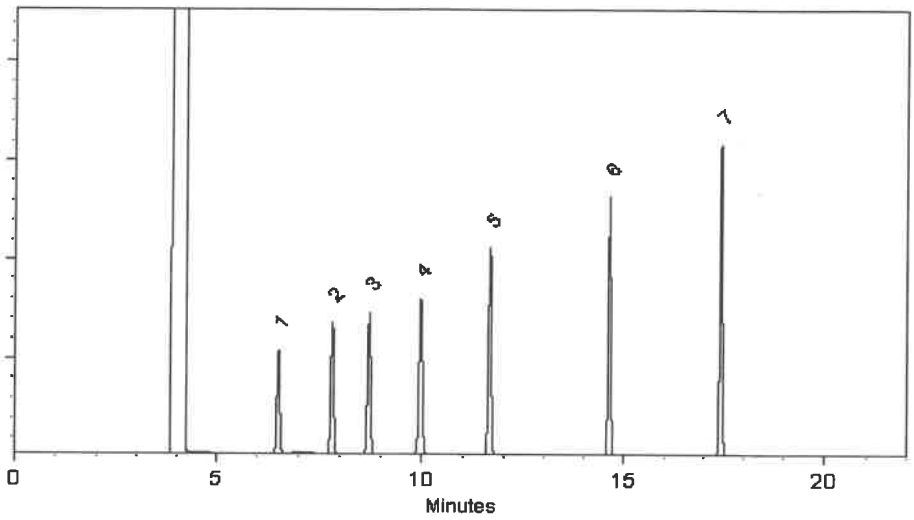
Inj. Temp:
200°C

Det. Temp:
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Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Testing Laboratory
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

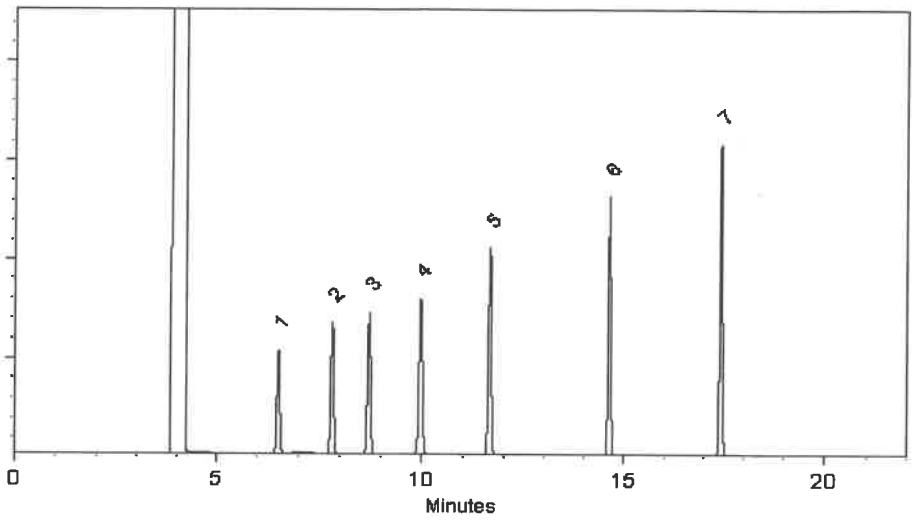
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

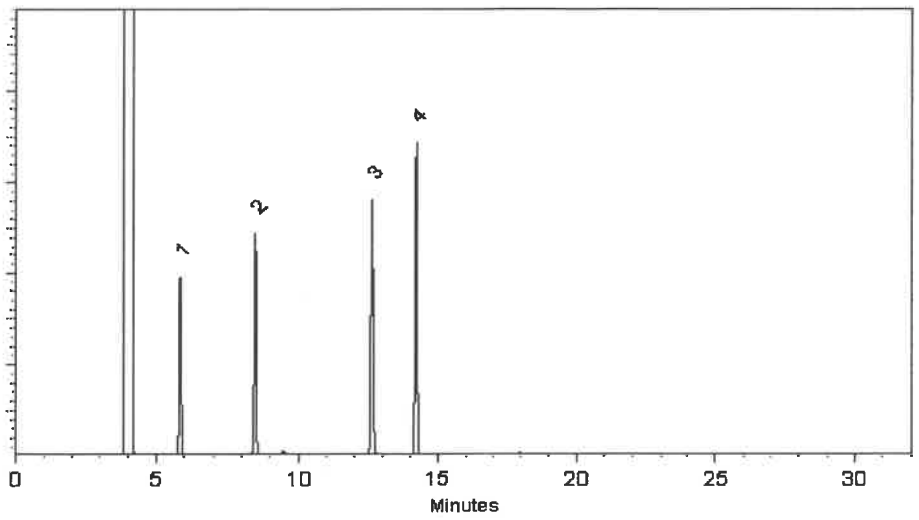
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

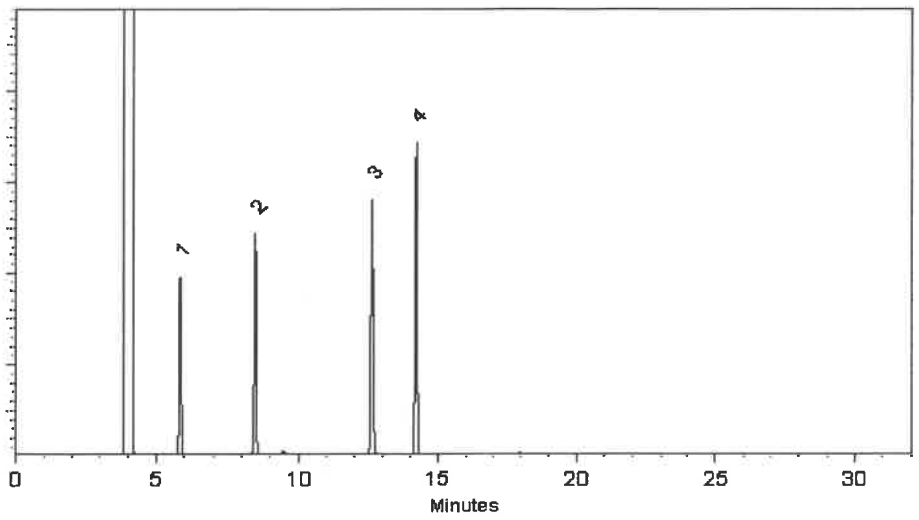
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

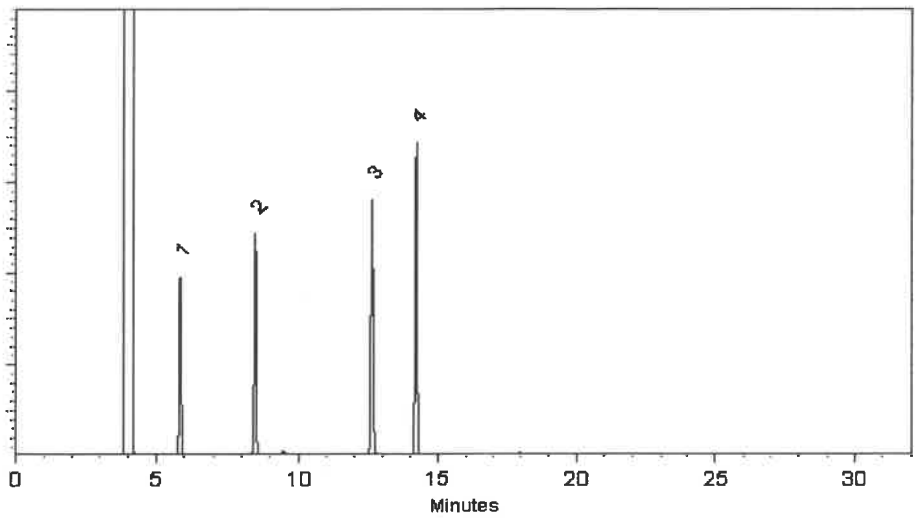
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

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V14667 to
V14676

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

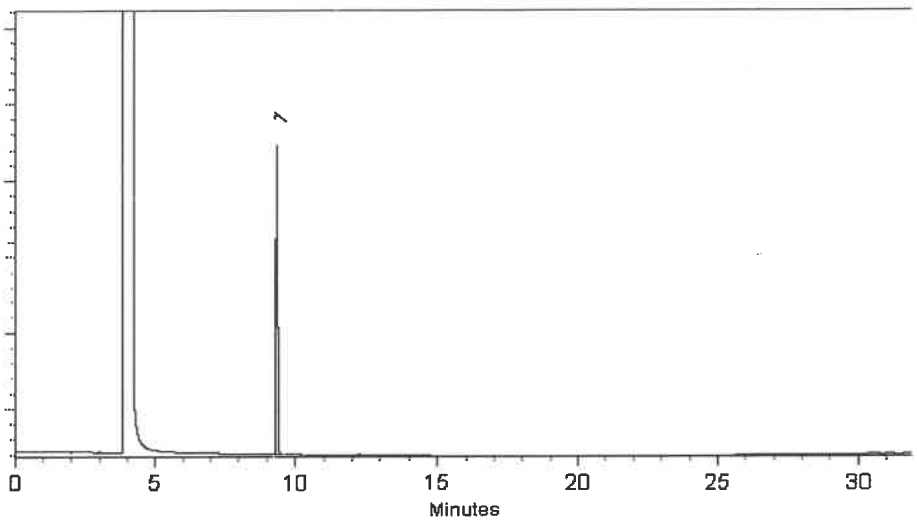
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

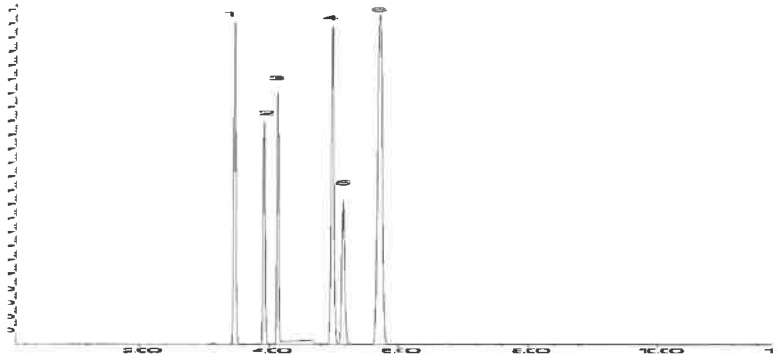
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

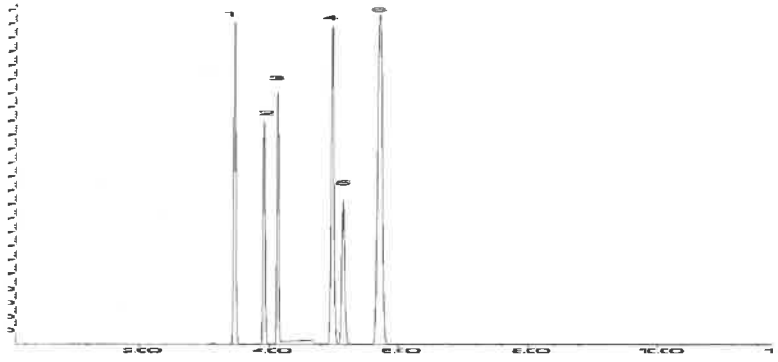
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic plus

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

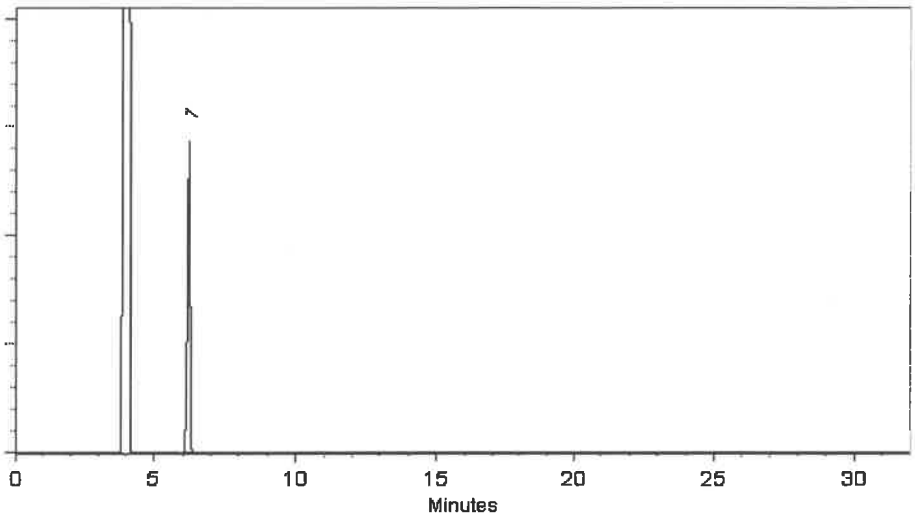
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

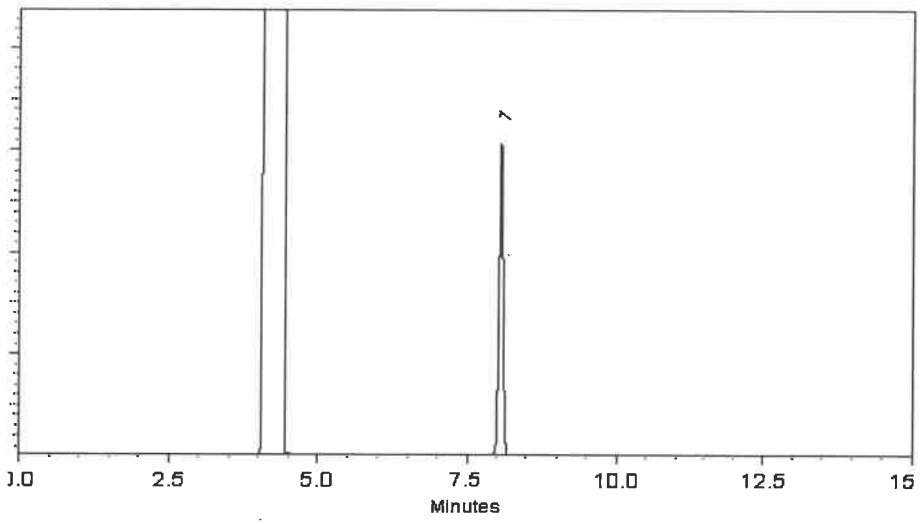
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Zoviny Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

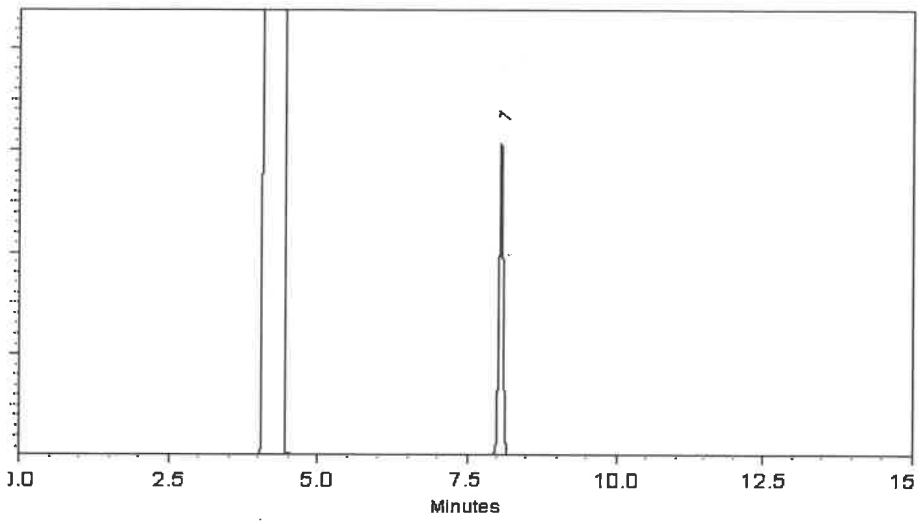
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial
Lee 03/31/25

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

V14904 to V14913

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
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Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

V15050 to
~~V15051~~ V15052
V15054

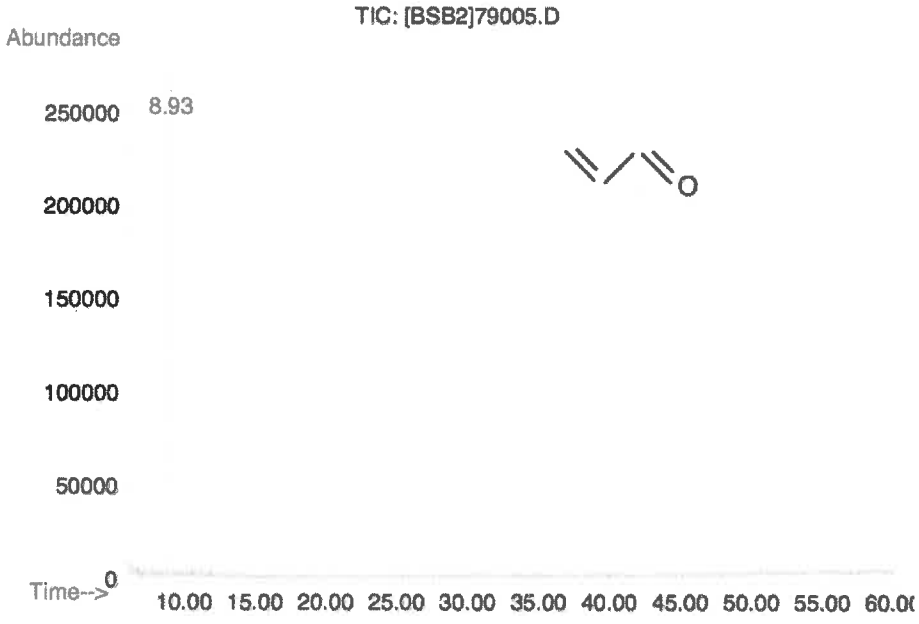
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

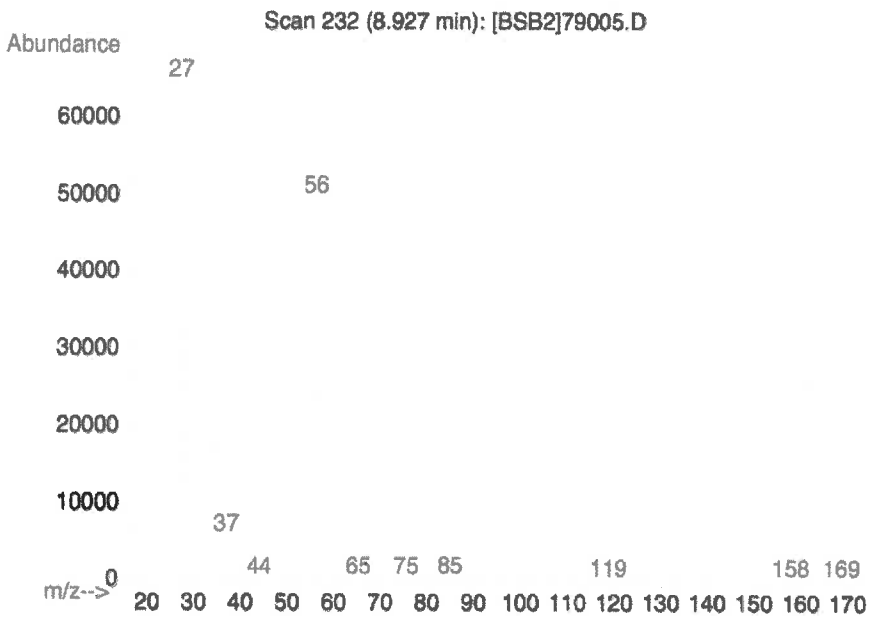
Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05181	5014.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**
  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

V15050 to
~~V15051~~ V15052
V15054

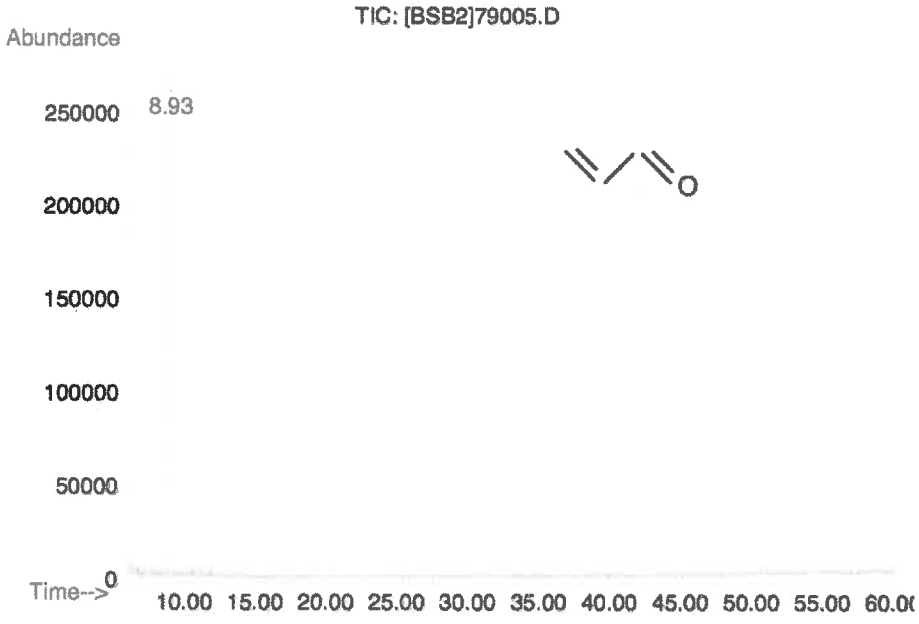
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

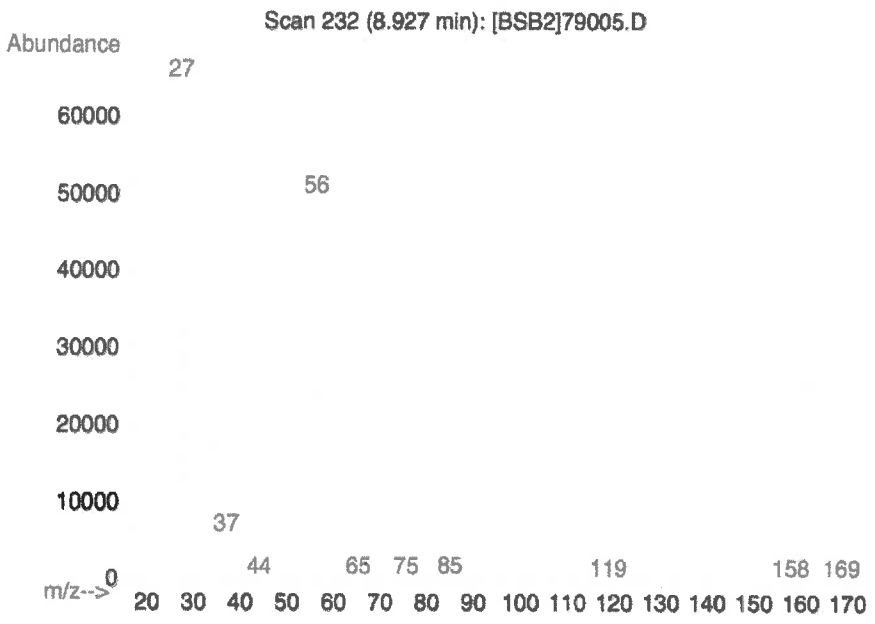
Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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  Rev 1.0, 2/25/2025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

V15050 to
~~V15051~~ V15052
V15054

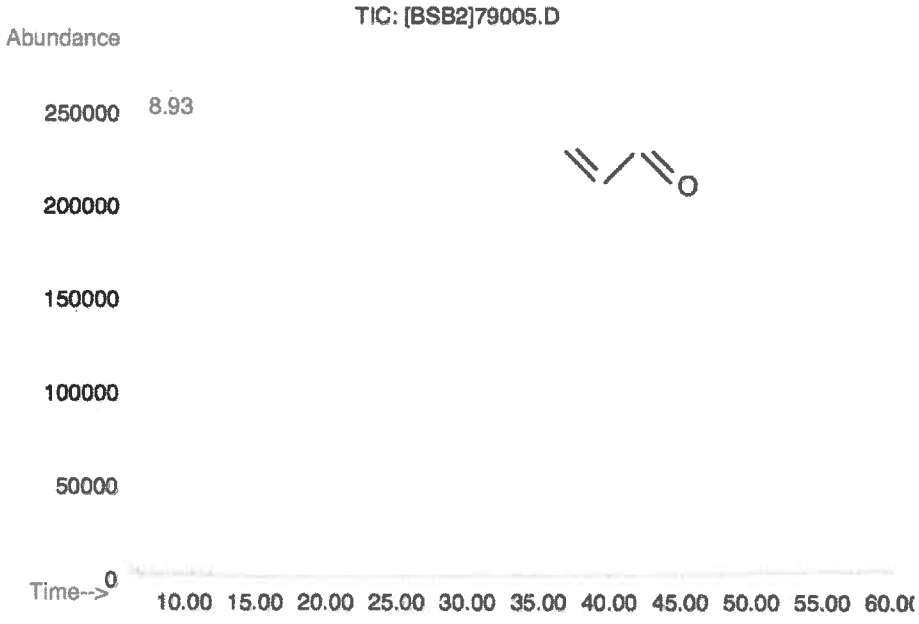
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

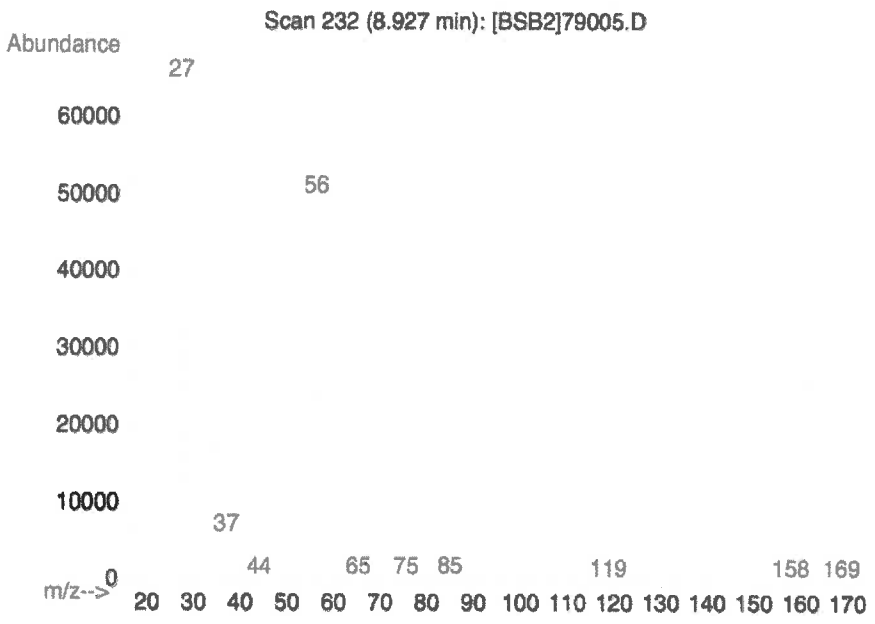
Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05181	5014.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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  Rev 1.0, 2/25/2025

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2747-01	34.91-31.01=3.9	10:01	34.76-30.83=3.93	10:02	36.73-32.69=4.04	10:03	V14921	08/01/2025	TERRACORE SAMPLE 8260
2	Q2747-03	34.72-30.89=3.83	10:03	34.68-31.01=3.67	10:04	36.74-33.06=3.68	10:05	V14921	08/01/2025	
3	Q2747-05	35.07-30.96=4.11	10:06	34.89-31.04=3.85	10:07	36.61-32.84=3.77	10:08	V14921	08/01/2025	
4	Q2747-07	33.75-30.97=2.78	10:08	33.48-30.90=2.58	10:09	35.50-32.92=2.58	10:10	V14921	08/01/2025	
5	Q2747-09	34.18-30.89=3.29	10:11	34.17-31.02=3.15	10:12	36.00-32.89=3.11	10:13	V14921	08/01/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177



SHIPPING DOCUMENTS

Q 2747

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Ryther

Requested Turnaround Time
5-Day ☑ 10-Day ☐
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-TS-GRILLO-OG2-073125	7/31/25	10:50	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG3-073125	7/31/25	10:55	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-OG4-073125	7/31/25	11:00	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP01-073125	7/31/25	11:05	C	SO		3	2	1				X	X	X	X	X	X		X	X	
	OU4-TS-GRILLO-TSCP02-073125	7/31/25	11:10	C	SO		3	2	1				X	X	X	X	X	X		X	X	

[2] Preservation Code

Container Type Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 07/31/25 13:00
Received by: (signature)	Date/Time:
Relinquished by: (signature) FedEx	Date/Time: 8-1-25 1005
Received by: (signature)	Date/Time: 8-1-25 1005
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 2.2°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2747 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/1/2025 10:40:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/1/2025 10:05:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	07/31/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	07/31/2025	10:55					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	07/31/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Solid	07/31/2025	11:05					
					VOCMS Group3		8260D		5 Bus. Days
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Solid	07/31/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days

Relinguished By :
Date / Time : 8/1/25 1100

Received By : Sam
Date / Time : 08/01/25 11:00

Storage Area : **VOA Refridgerator Room**

2g # 6
FZ 2

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	228235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	449234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	20528	5.946	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	11.900%#		
35) Dibromofluoromethane	7.904	113	16097	5.273	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.540%#		
50) Toluene-d8	10.325	98	62567	5.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.840%#		
62) 4-Bromofluorobenzene	12.617	95	24327	5.484	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.960%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	9741	5.742	ug/l	97
3) Chloromethane	2.265	50	12168	5.589	ug/l	95
4) Vinyl Chloride	2.412	62	14484	5.121	ug/l	98
5) Bromomethane	2.832	94	11418	5.482	ug/l	98
6) Chloroethane	2.985	64	10231	5.481	ug/l	95
7) Trichlorofluoromethane	3.320	101	15281	5.334	ug/l	96
8) Diethyl Ether	3.735	74	11778	6.155	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.112	101	15377	5.581	ug/l	99
10) Methyl Iodide	4.314	142	22169	5.381	ug/l	97
11) Tert butyl alcohol	5.222	59	5422	26.716	ug/l	99
12) 1,1-Dichloroethene	4.082	96	16290	5.353	ug/l	94
13) Acrolein	3.942	56	9673	25.862	ug/l	97
14) Allyl chloride	4.716	41	24887	5.253	ug/l	97
15) Acrylonitrile	5.411	53	23139	27.048	ug/l	98
16) Acetone	4.173	43	23464	28.639	ug/l	99
17) Carbon Disulfide	4.423	76	40508	5.132	ug/l	98
18) Methyl Acetate	4.716	43	12046	5.337	ug/l	95
19) Methyl tert-butyl Ether	5.472	73	29007	5.516	ug/l	93
20) Methylene Chloride	4.966	84	36859	6.466	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	17499	5.419	ug/l	96
22) Diisopropyl ether	6.344	45	50407	5.317	ug/l #	88
23) Vinyl Acetate	6.289	43	160114	25.853	ug/l	98
24) 1,1-Dichloroethane	6.258	63	31324	5.307	ug/l	98
25) 2-Butanone	7.203	43	29641	26.442	ug/l	97
26) 2,2-Dichloropropane	7.191	77	18572	5.558	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	20040	5.279	ug/l	100
28) Bromochloromethane	7.539	49	13347	5.401	ug/l	99
29) Tetrahydrofuran	7.557	42	19682	26.780	ug/l	98
30) Chloroform	7.697	83	32764	5.294	ug/l	99
31) Cyclohexane	7.972	56	31936	6.031	ug/l #	79
32) 1,1,1-Trichloroethane	7.886	97	25435	5.401	ug/l	96
36) 1,1-Dichloropropene	8.100	75	23778	5.072	ug/l	98
37) Ethyl Acetate	7.277	43	13182	4.929	ug/l #	91
38) Carbon Tetrachloride	8.087	117	21986	4.887	ug/l	93
39) Methylcyclohexane	9.343	83	29428	4.988	ug/l	98
40) Benzene	8.343	78	69976	5.043	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	7259	4.608	ug/l	#	86
42) 1,2-Dichloroethane	8.417	62	22835	5.141	ug/l		100
43) Isopropyl Acetate	8.435	43	24443	5.049	ug/l		99
44) Trichloroethene	9.105	130	16617	5.038	ug/l		97
45) 1,2-Dichloropropane	9.380	63	17128	5.125	ug/l		98
46) Dibromomethane	9.471	93	10488	5.062	ug/l		98
47) Bromodichloromethane	9.654	83	24125	4.856	ug/l		96
48) Methyl methacrylate	9.447	41	10983	4.768	ug/l		95
49) 1,4-Dioxane	9.465	88	1664	80.493	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.215	43	65866	24.860	ug/l		98
52) Toluene	10.392	92	44580	4.997	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	22560	4.734	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	26530	4.875	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	14199	5.160	ug/l		99
56) Ethyl methacrylate	10.648	69	17819	4.585	ug/l		92
57) 1,3-Dichloropropane	10.934	76	24166	4.985	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	46965	23.525	ug/l		99
59) 2-Hexanone	10.971	43	45962	24.957	ug/l		96
60) Dibromochloromethane	11.130	129	15663	4.882	ug/l		96
61) 1,2-Dibromoethane	11.239	107	13545	4.981	ug/l		99
64) Tetrachloroethene	10.861	164	13609	5.228	ug/l	#	88
65) Chlorobenzene	11.660	112	47998	4.967	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	14955	4.992	ug/l		99
67) Ethyl Benzene	11.733	91	85548	5.039	ug/l		100
68) m/p-Xylenes	11.843	106	63820	9.986	ug/l		100
69) o-Xylene	12.166	106	28989	4.793	ug/l		94
70) Styrene	12.178	104	50399	4.894	ug/l		98
71) Bromoform	12.349	173	7989	4.877	ug/l	#	95
73) Isopropylbenzene	12.459	105	76941	4.832	ug/l		100
74) N-amyl acetate	12.270	43	20889	4.852	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	17372	5.139	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	21731	8.649	ug/l	#	100
77) Bromobenzene	12.745	156	16967	4.924	ug/l		98
78) n-propylbenzene	12.806	91	97940	5.008	ug/l		100
79) 2-Chlorotoluene	12.885	91	58659	5.023	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	64888	4.859	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	5052	4.603	ug/l		94
82) 4-Chlorotoluene	12.989	91	62666	5.115	ug/l		99
83) tert-Butylbenzene	13.202	119	56981	5.009	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	67882	5.022	ug/l		97
85) sec-Butylbenzene	13.379	105	86541	5.066	ug/l		98
86) p-Isopropyltoluene	13.489	119	71432	5.059	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	37803	5.271	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	37516	5.340	ug/l		94
89) n-Butylbenzene	13.818	91	70505	5.090	ug/l		98
90) Hexachloroethane	14.086	117	12586	5.154	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	33137	5.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3359	5.501	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	20425	5.328	ug/l		93
94) Hexachlorobutadiene	15.226	225	9622	5.297	ug/l		99
95) Naphthalene	15.360	128	47376	5.027	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	17912	5.157	ug/l		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

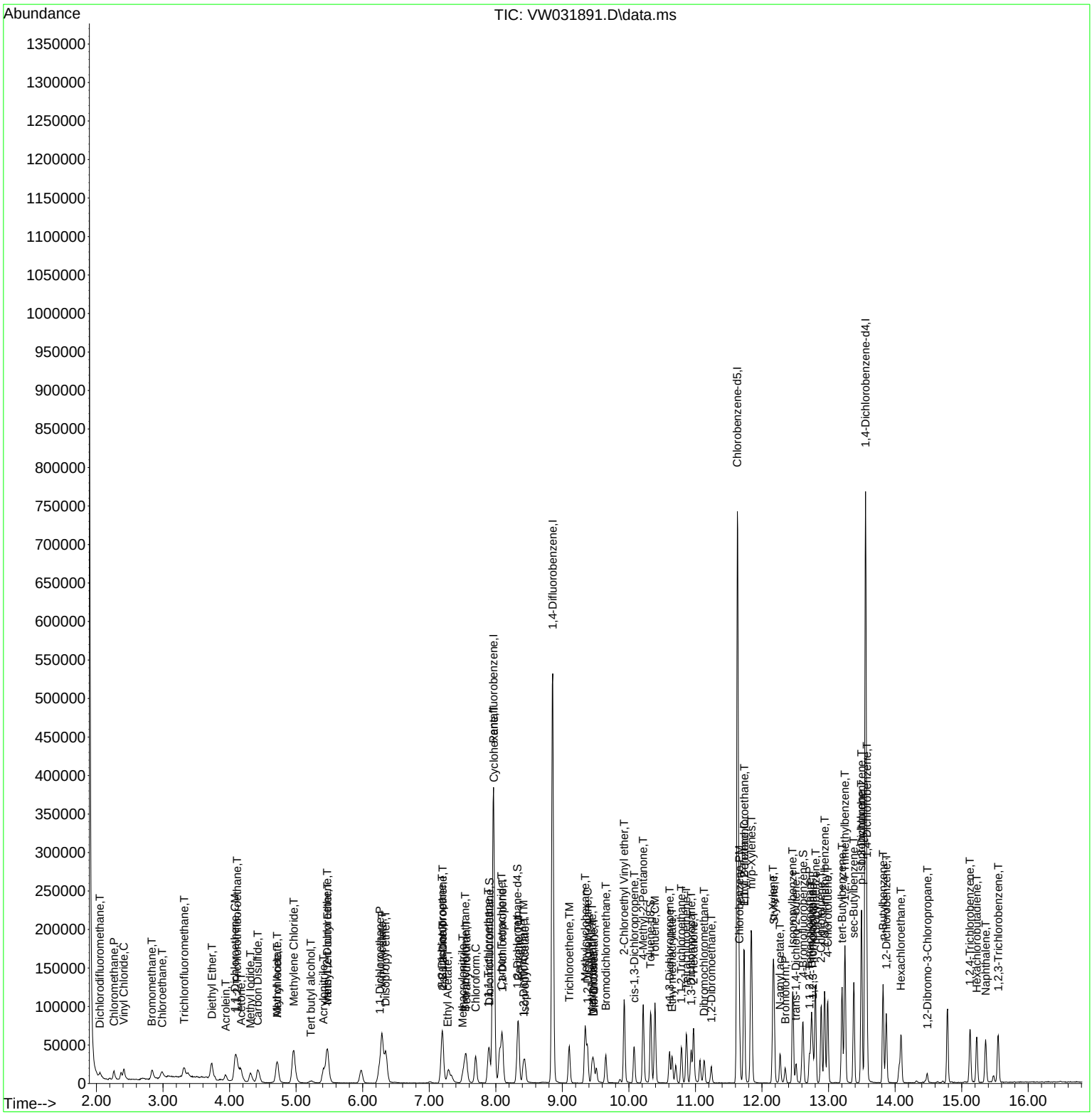
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

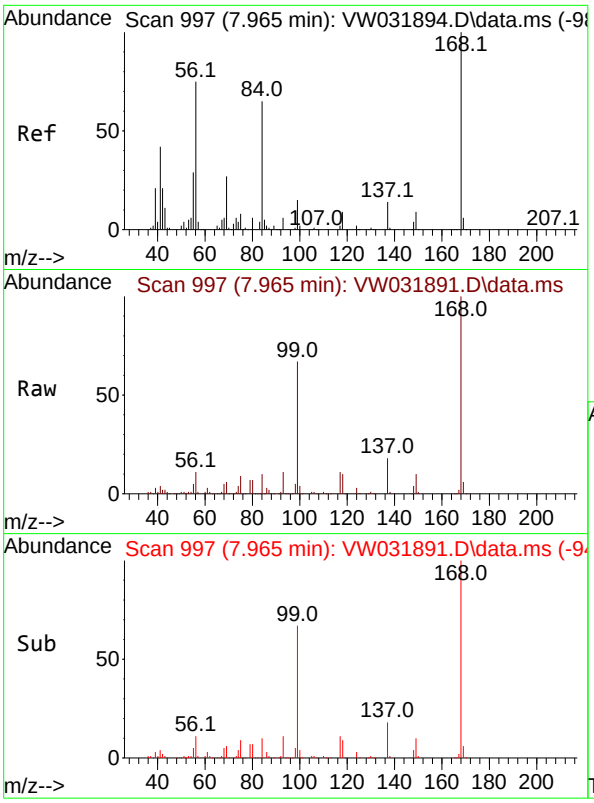
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



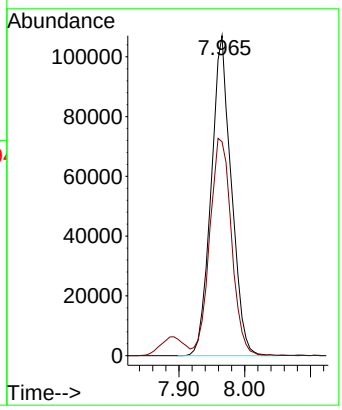


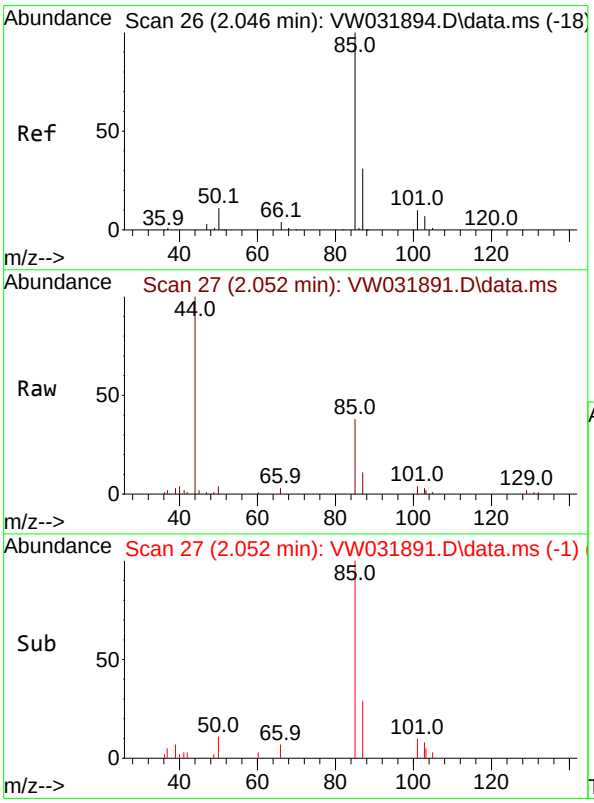
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 228235

Ion	Ratio	Lower	Upper
168	100		
99	66.8	48.2	72.2

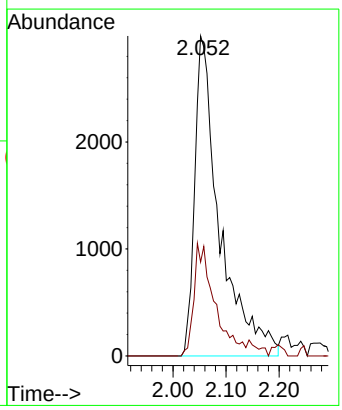


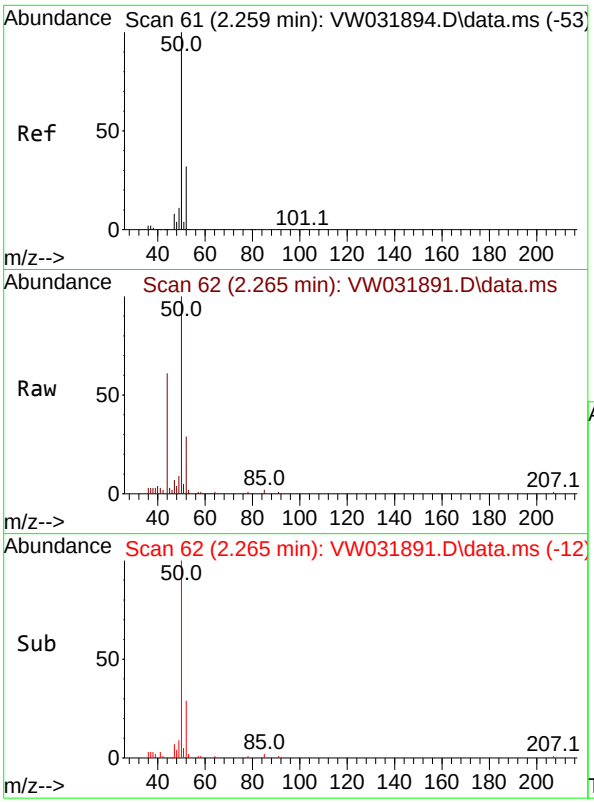


#2
Dichlorodifluoromethane
Concen: 5.742 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 85 Resp: 9741

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.5	46.5



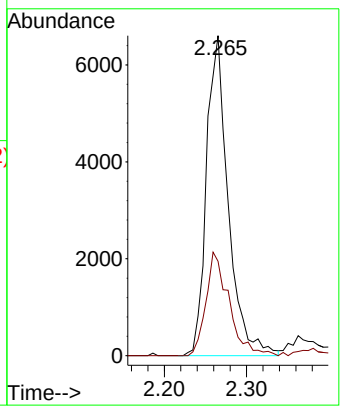


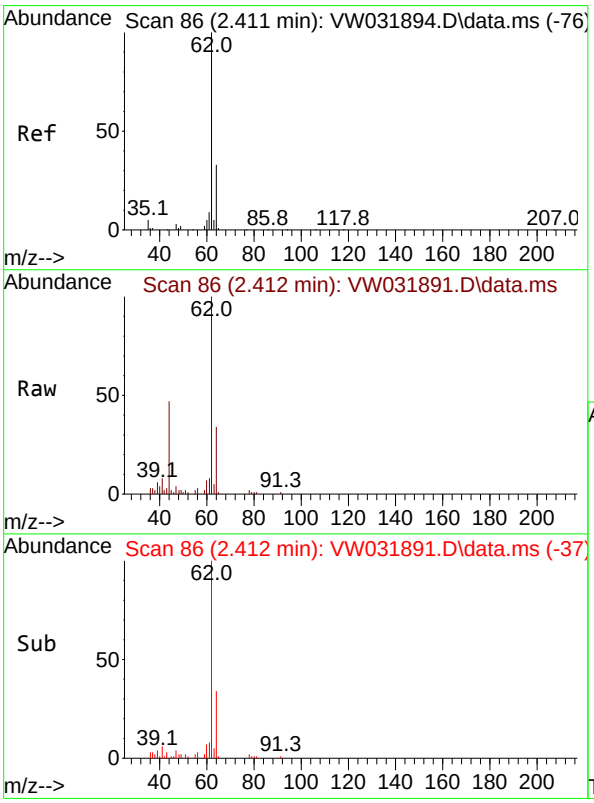
#3
Chloromethane
Concen: 5.589 ug/l
RT: 2.265 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 12168

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.7	38.5

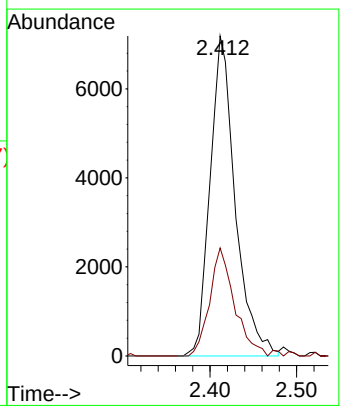


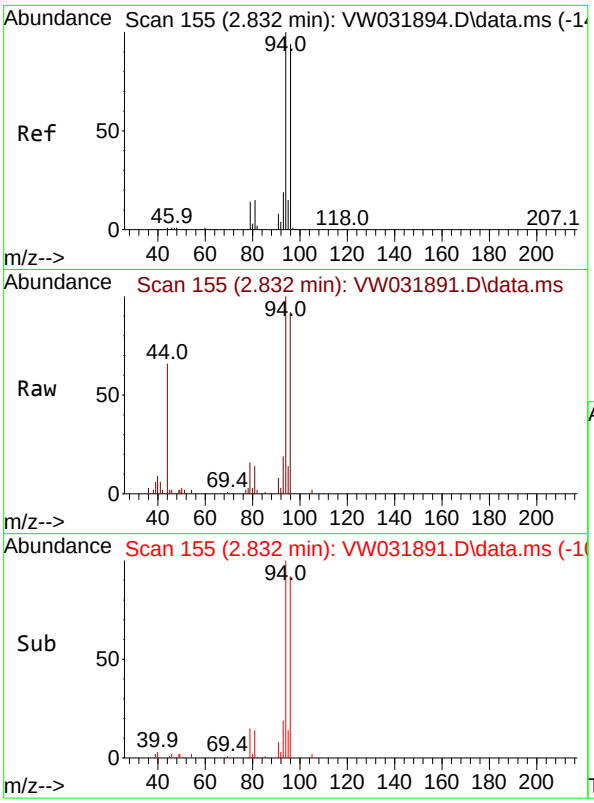


#4
Vinyl Chloride
Concen: 5.121 ug/l
RT: 2.412 min Scan# 86
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 62 Resp: 14484

Ion	Ratio	Lower	Upper
62	100		
64	33.7	26.2	39.2



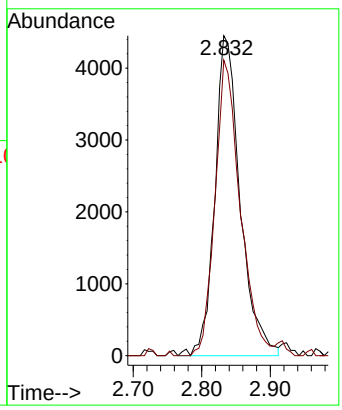


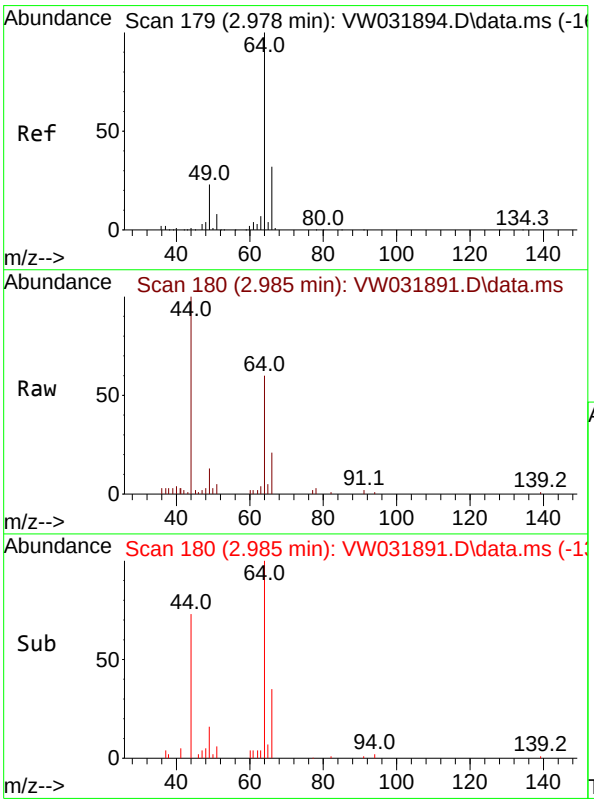
#5
Bromomethane
Concen: 5.482 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 11418

Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.0	112.6

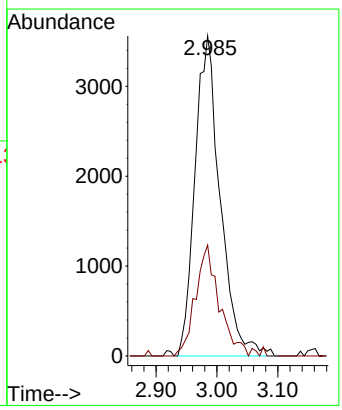


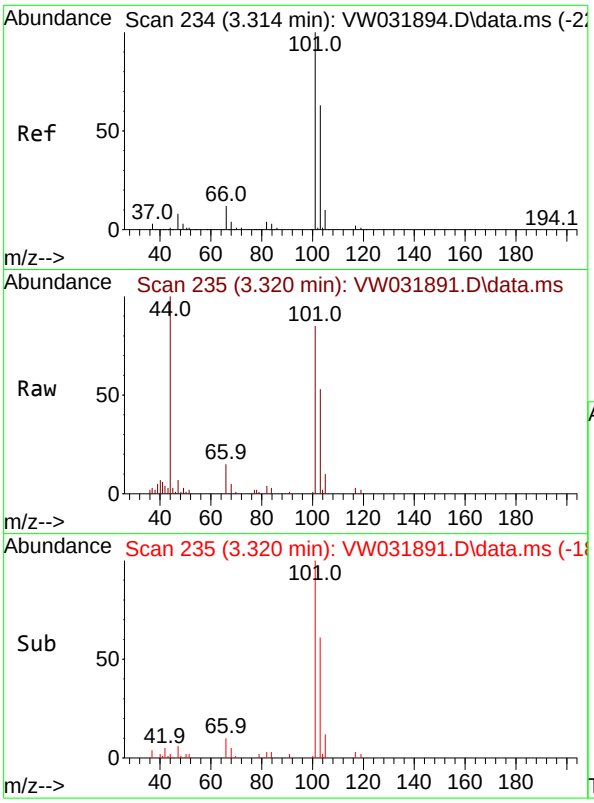


#6
Chloroethane
Concen: 5.481 ug/l
RT: 2.985 min Scan# 180
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 64 Resp: 10231

Ion	Ratio	Lower	Upper
64	100		
66	34.7	25.6	38.4



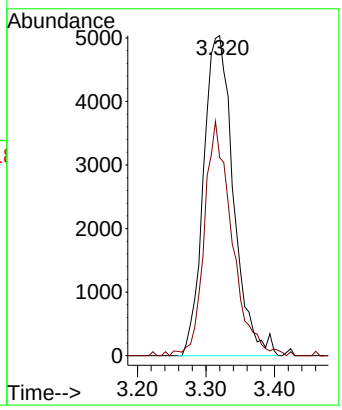


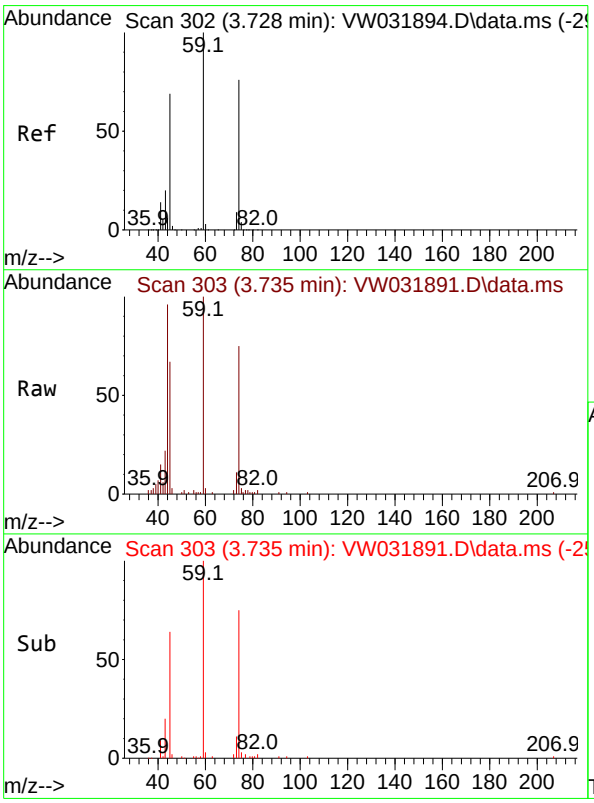
#7
Trichlorofluoromethane
Concen: 5.334 ug/l
RT: 3.320 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 15281

Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.7	76.1

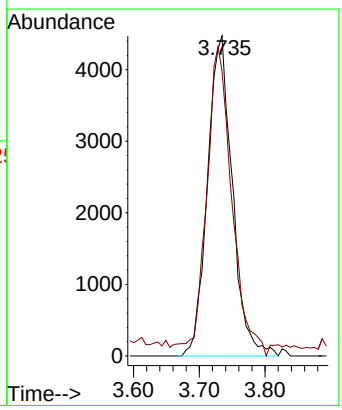


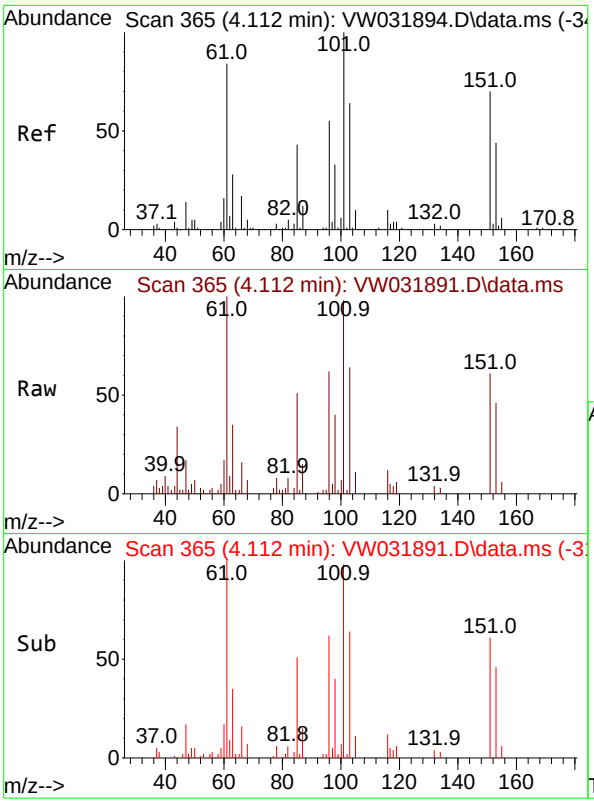


#8
Diethyl Ether
Concen: 6.155 ug/l
RT: 3.735 min Scan# 303
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 74 Resp: 11778

Ion	Ratio	Lower	Upper
74	100		
45	97.3	45.5	136.5



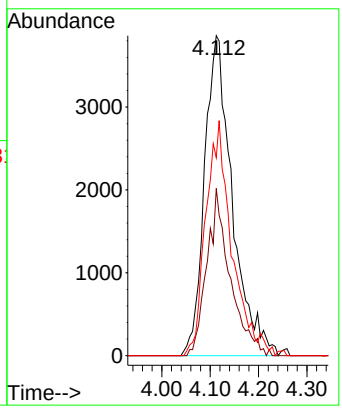


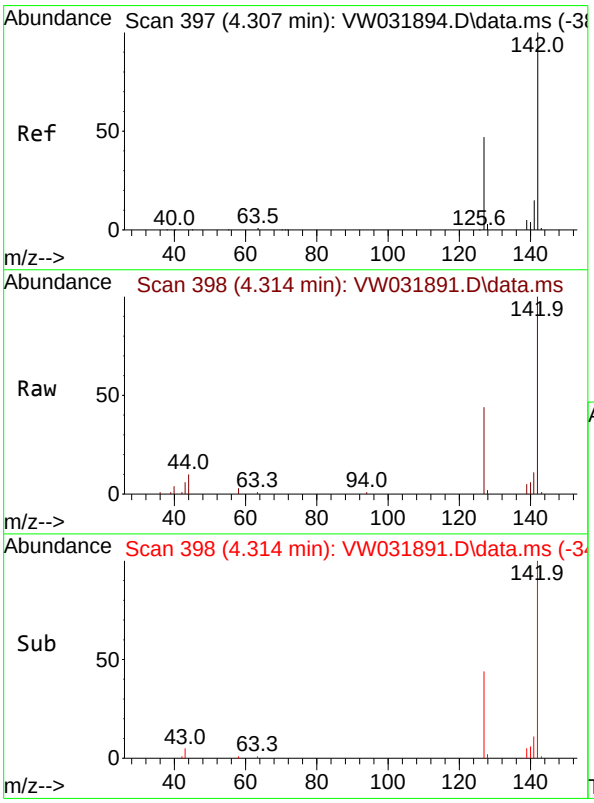
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.581 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 15377

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	67.0	54.6	81.8

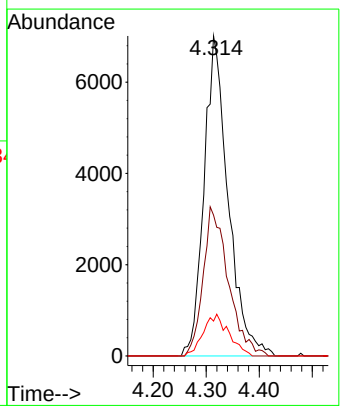


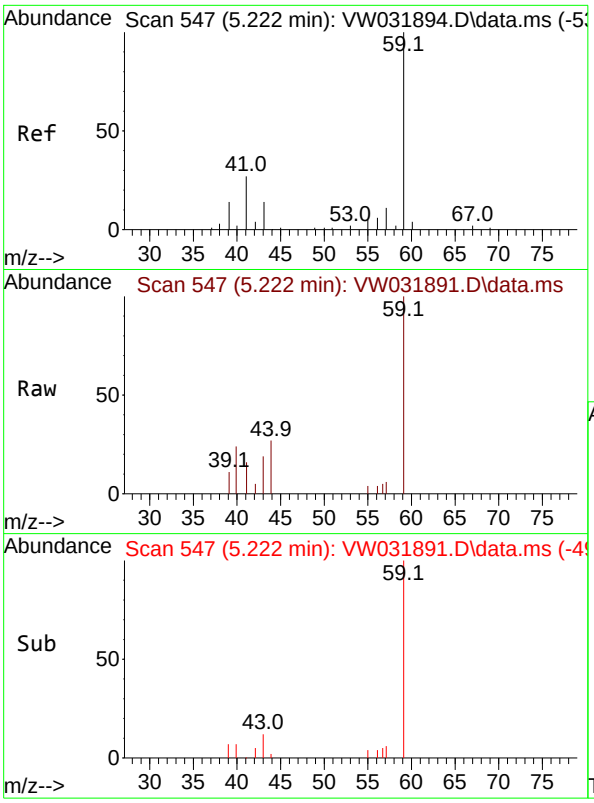


#10
Methyl Iodide
Concen: 5.381 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:142 Resp: 22169

Ion	Ratio	Lower	Upper
142	100		
127	48.5	37.4	56.2
141	13.8	11.9	17.9



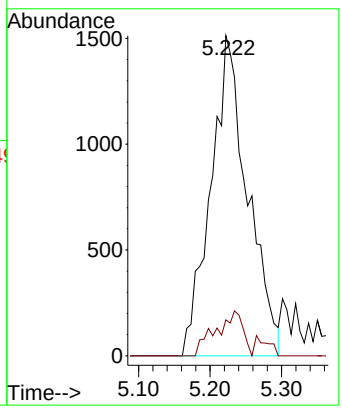


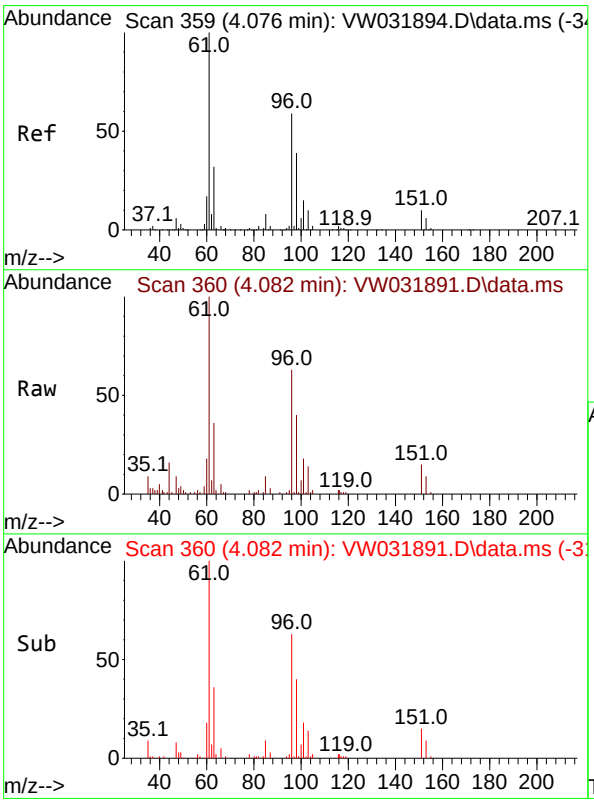
#11
Tert butyl alcohol
Concen: 26.716 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5422

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

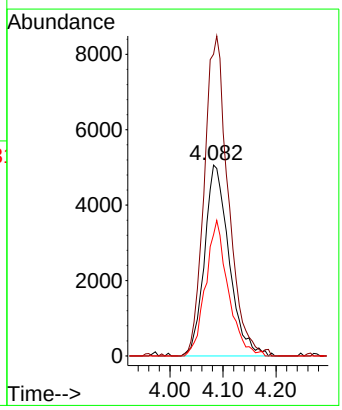


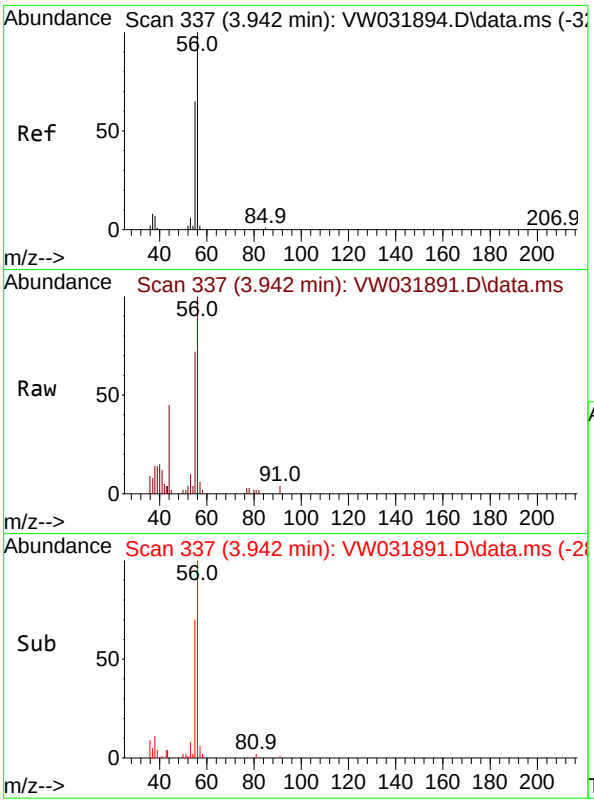


#12
1,1-Dichloroethene
Concen: 5.353 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 96 Resp: 16290

Ion	Ratio	Lower	Upper
96	100		
61	158.1	135.0	202.6
98	63.5	52.3	78.5



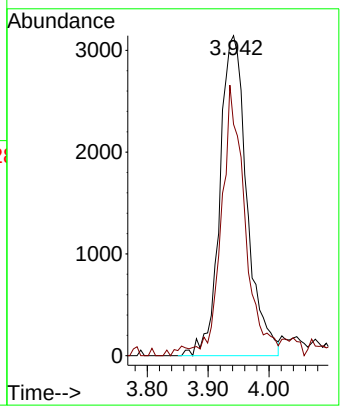


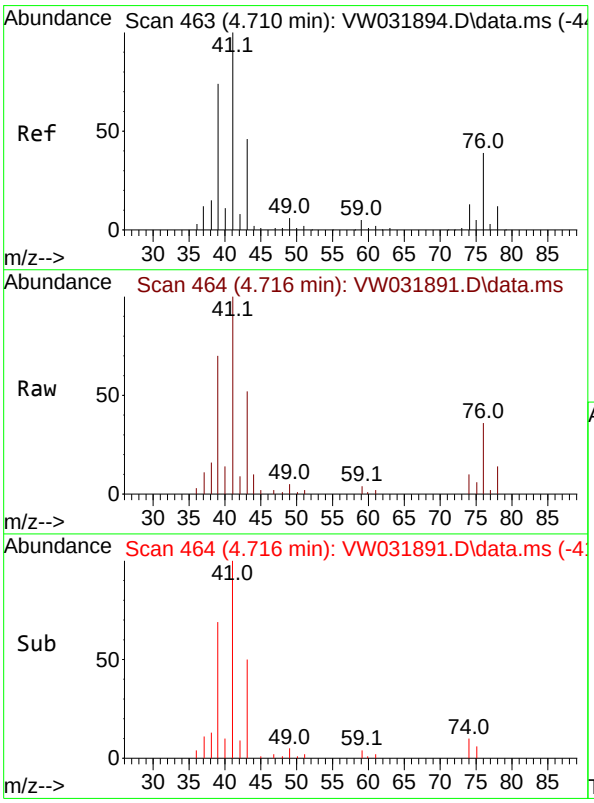
#13
Acrolein
Concen: 25.862 ug/l
RT: 3.942 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 9673

Ion	Ratio	Lower	Upper
56	100		
55	68.2	56.7	85.1

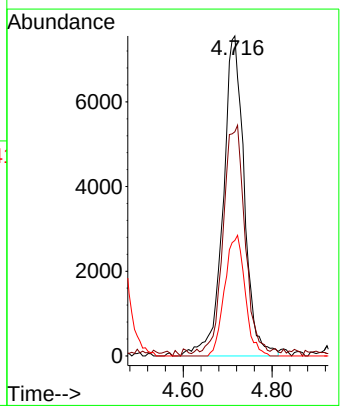


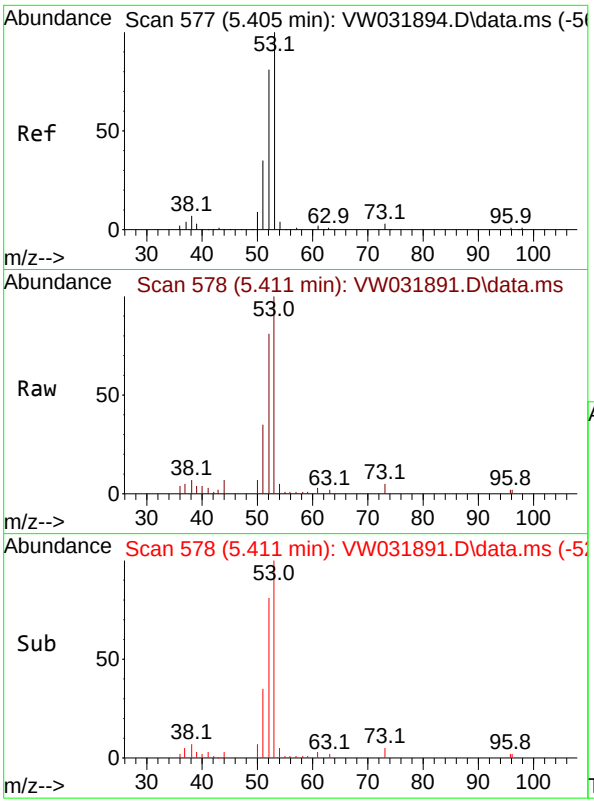


#14
Allyl chloride
Concen: 5.253 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 41 Resp: 24887

Ion	Ratio	Lower	Upper
41	100		
39	74.1	56.6	85.0
76	36.4	30.1	45.1



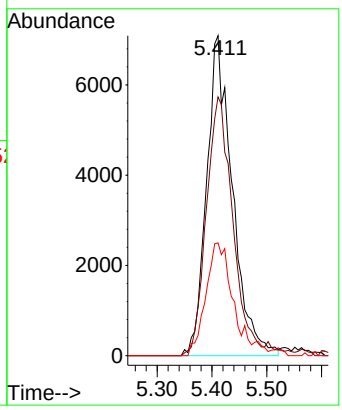


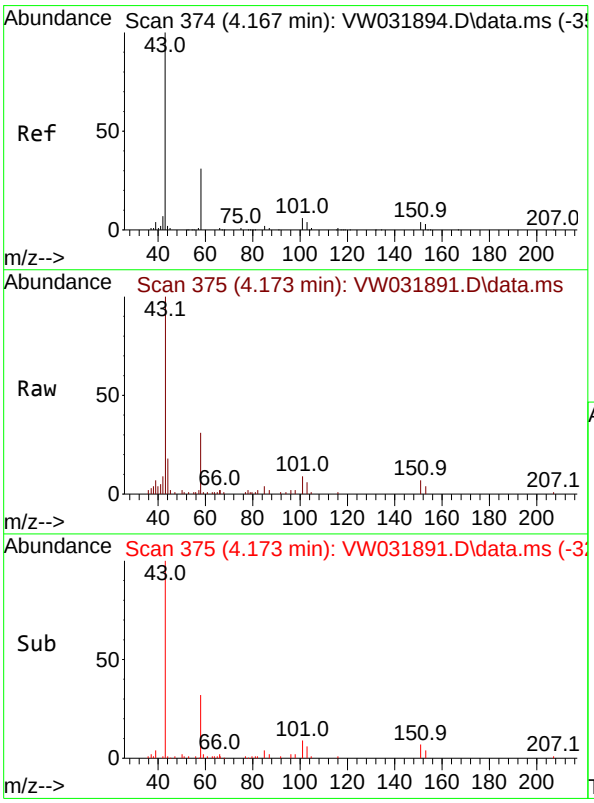
#15
Acrylonitrile
Concen: 27.048 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 23139

Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.0	100.4
51	38.0	29.9	44.9

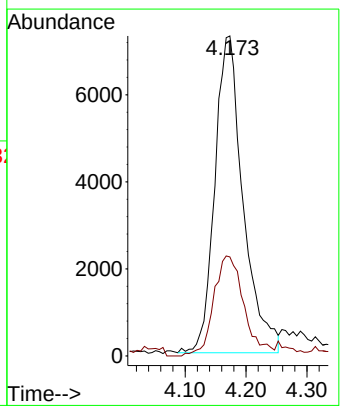


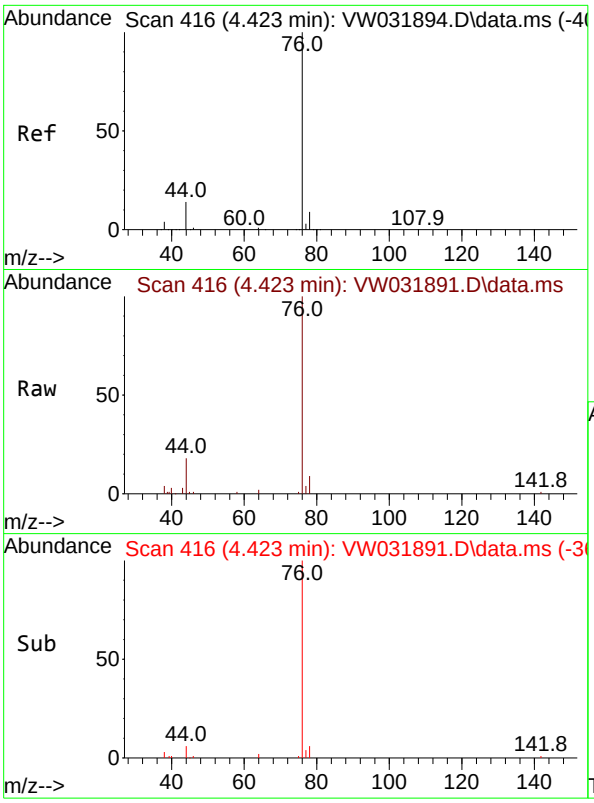


#16
Acetone
Concen: 28.639 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 23464

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.5	38.3



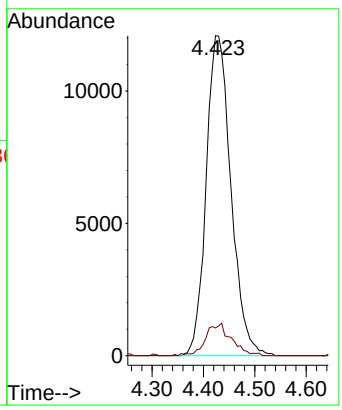


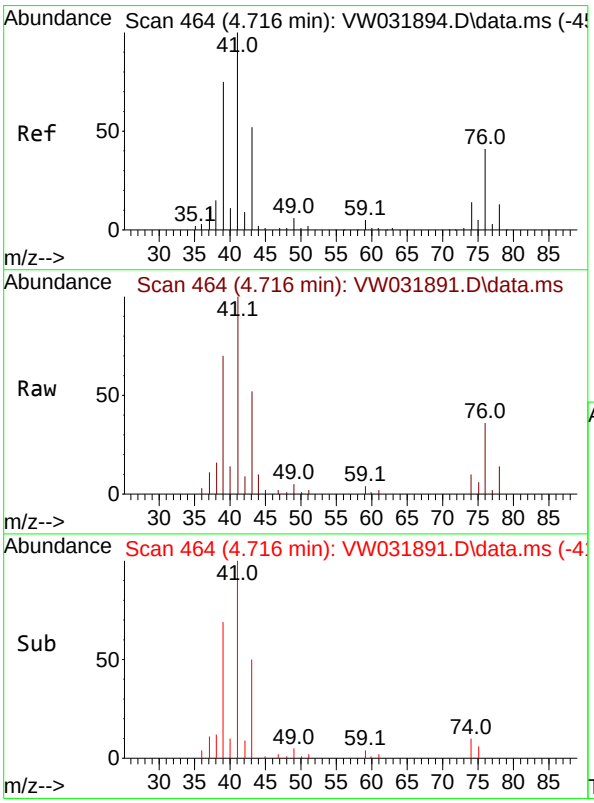
#17
Carbon Disulfide
Concen: 5.132 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 40508

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

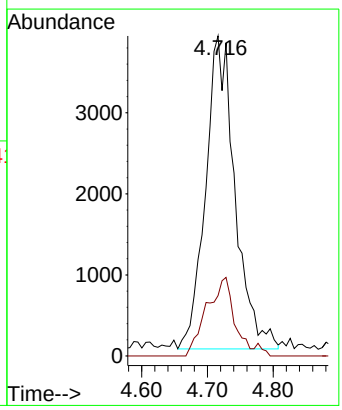


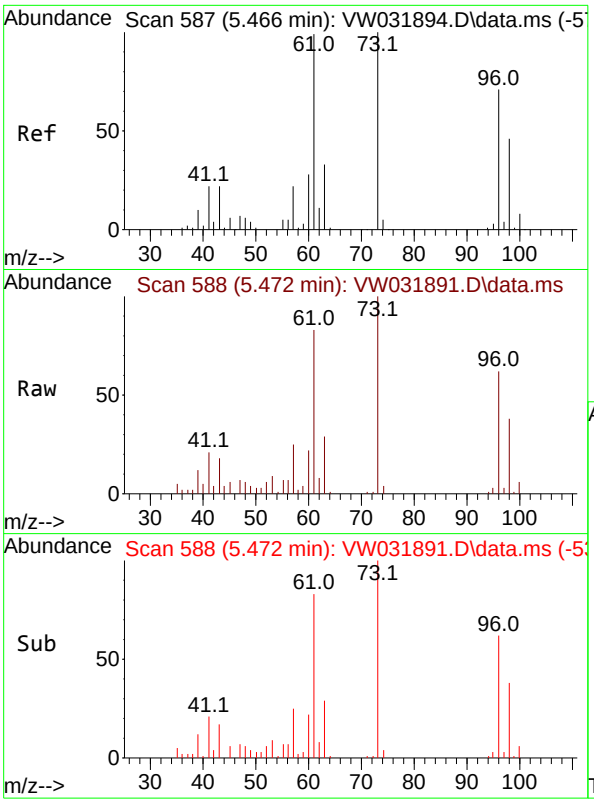


#18
Methyl Acetate
Concen: 5.337 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 12046

Ion	Ratio	Lower	Upper
43	100		
74	23.5	20.6	31.0



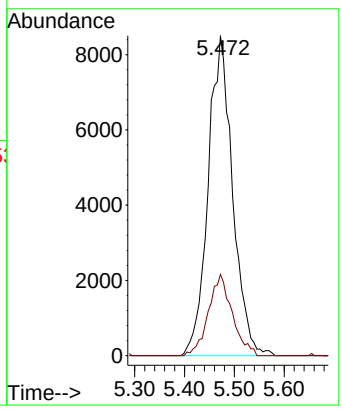


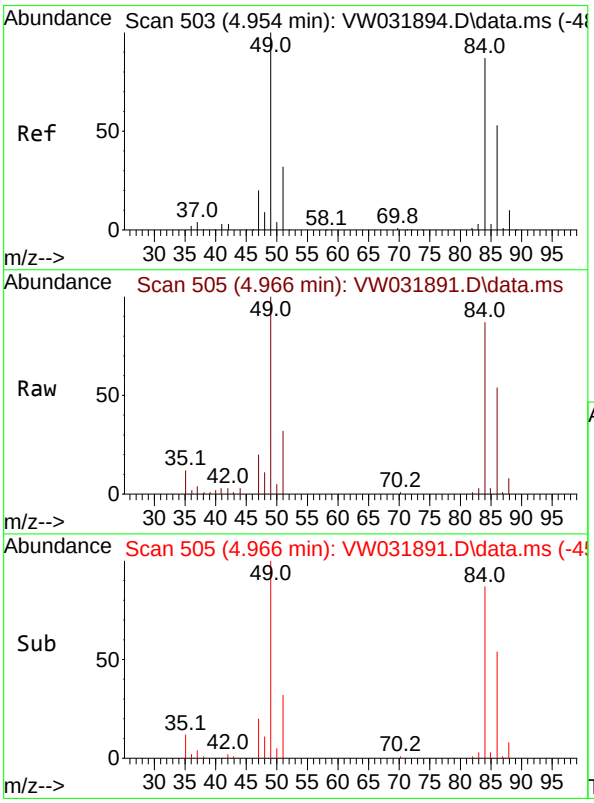
#19
Methyl tert-butyl Ether
Concen: 5.516 ug/l
RT: 5.472 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 29007

Ion	Ratio	Lower	Upper
73	100		
57	25.4	17.5	26.3

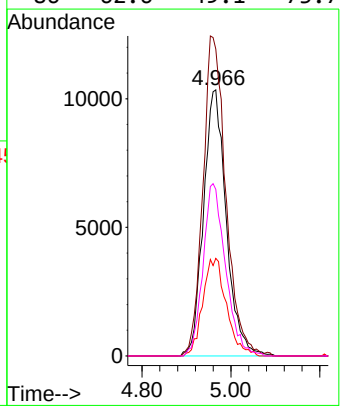


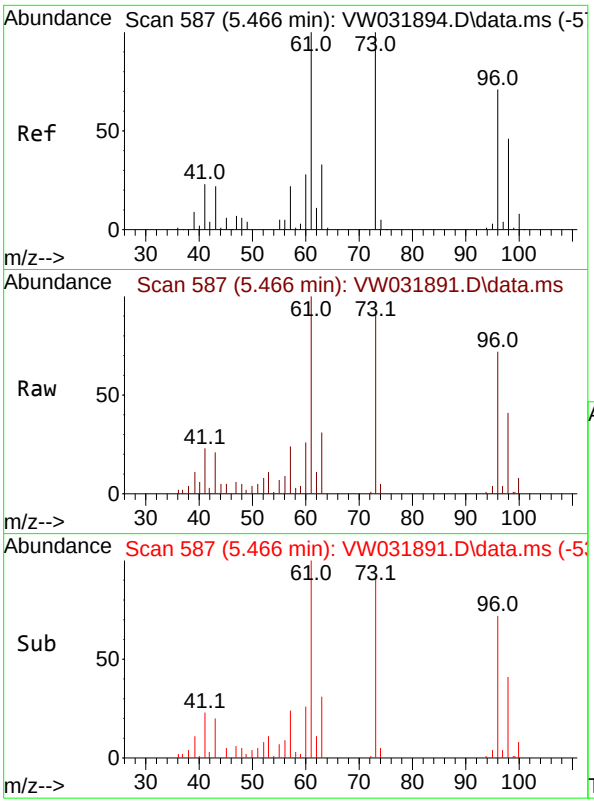


#20
Methylene Chloride
Concen: 6.466 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 84 Resp: 36859

Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.9	137.9
51	36.7	29.0	43.6
86	62.6	49.1	73.7



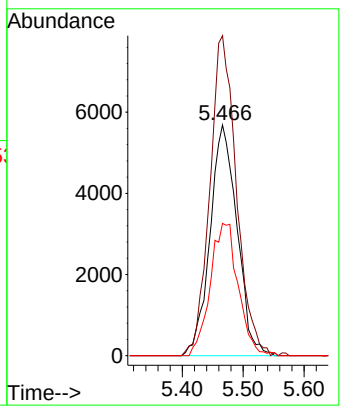


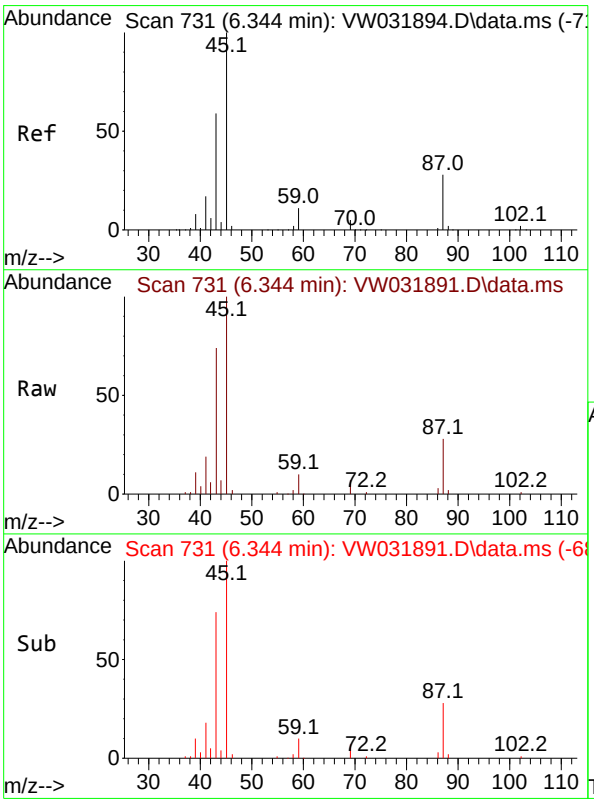
#21
trans-1,2-Dichloroethene
Concen: 5.419 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17499

Ion	Ratio	Lower	Upper
96	100		
61	138.7	112.8	169.2
98	57.4	51.9	77.9

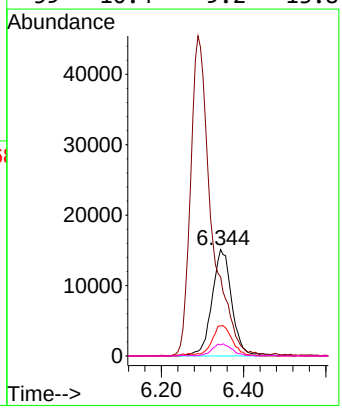


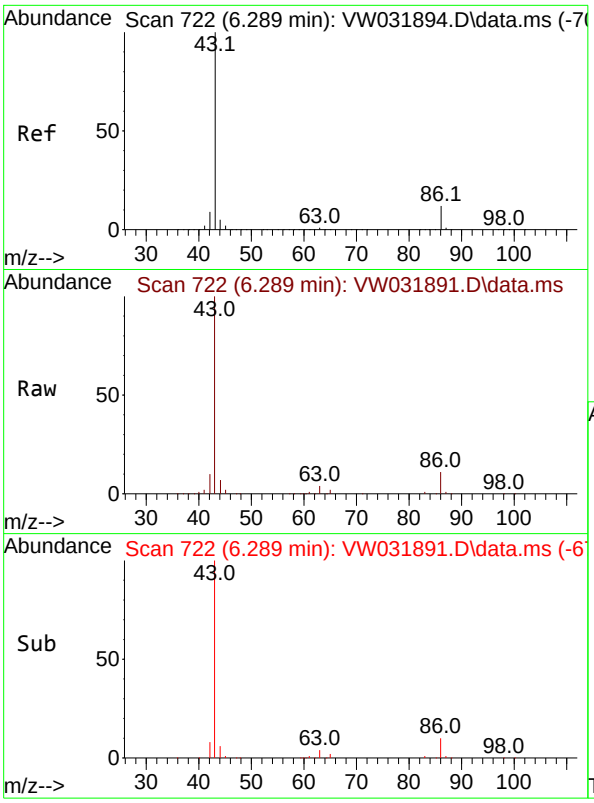


#22
Diisopropyl ether
Concen: 5.317 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 45 Resp: 50407

Ion	Ratio	Lower	Upper
45	100		
43	72.9	47.0	70.6#
87	28.3	22.8	34.2
59	10.4	9.2	13.8



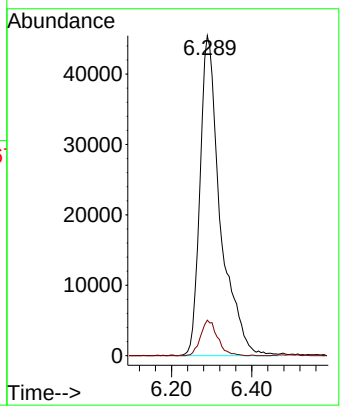


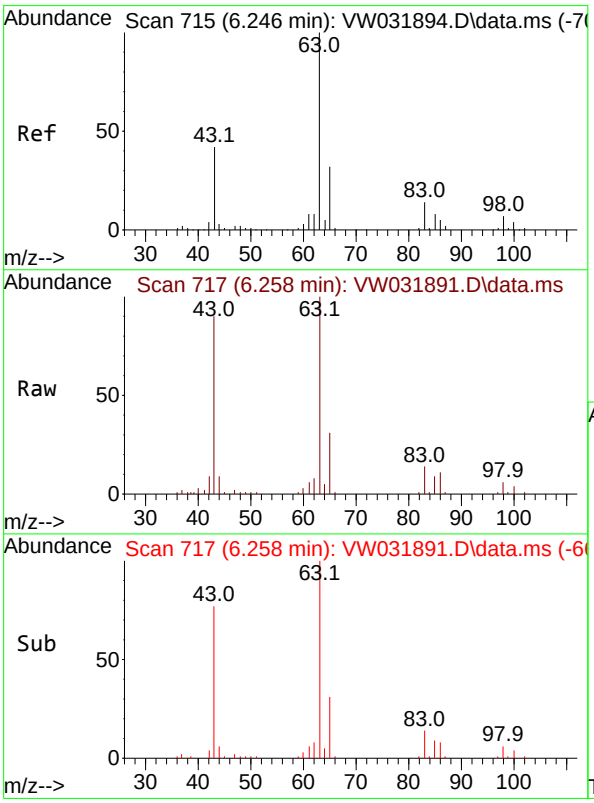
#23
Vinyl Acetate
Concen: 25.853 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 160114

Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

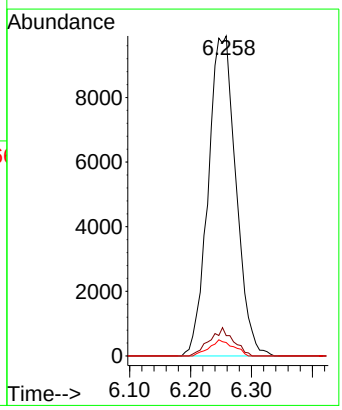


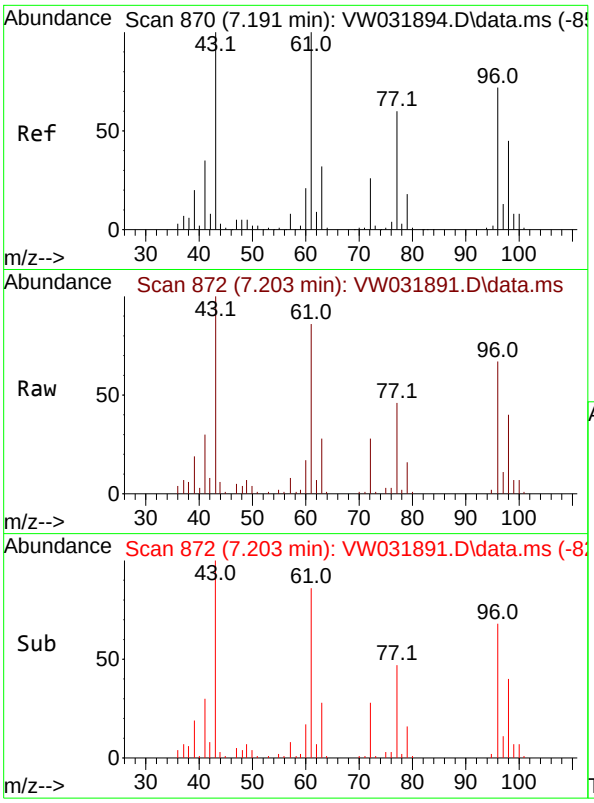


#24
1,1-Dichloroethane
Concen: 5.307 ug/l
RT: 6.258 min Scan# 717
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 63 Resp: 31324

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.9
100	4.2	2.2	6.6



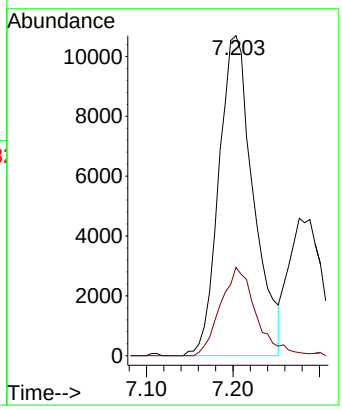


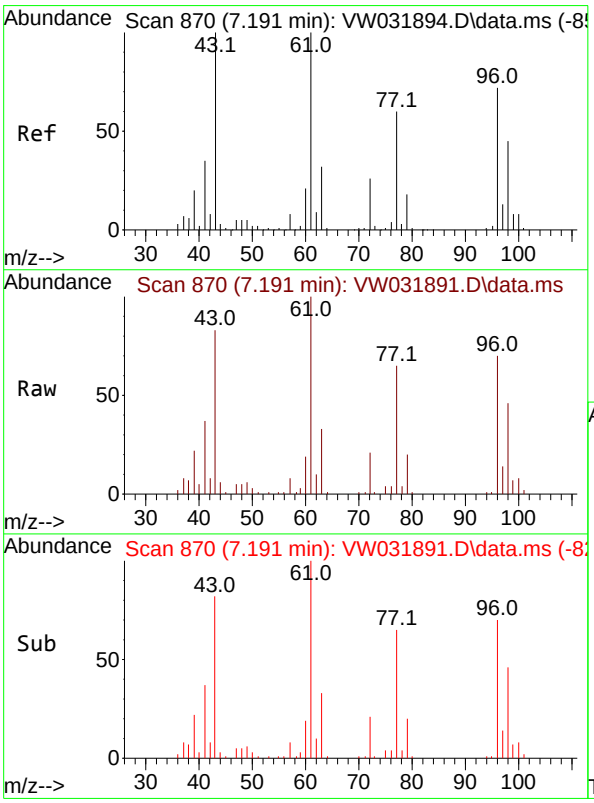
#25
2-Butanone
Concen: 26.442 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29641

Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.8	31.2

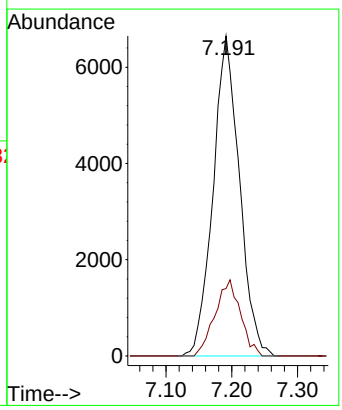


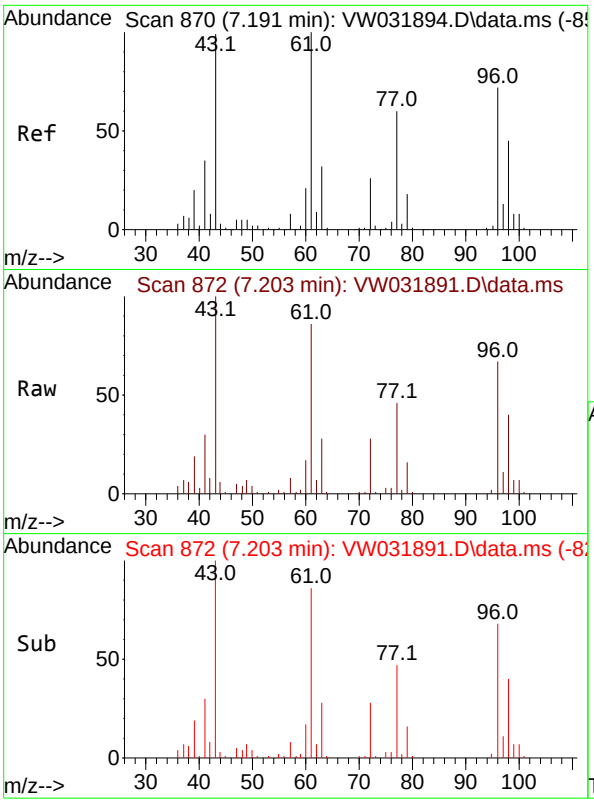


#26
2,2-Dichloropropane
Concen: 5.558 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 77 Resp: 18572

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1



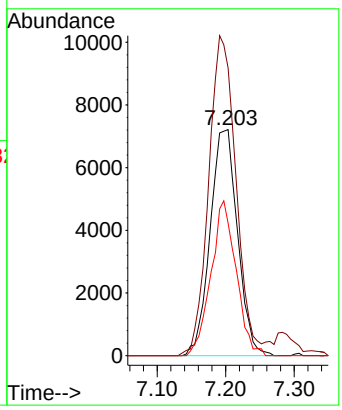


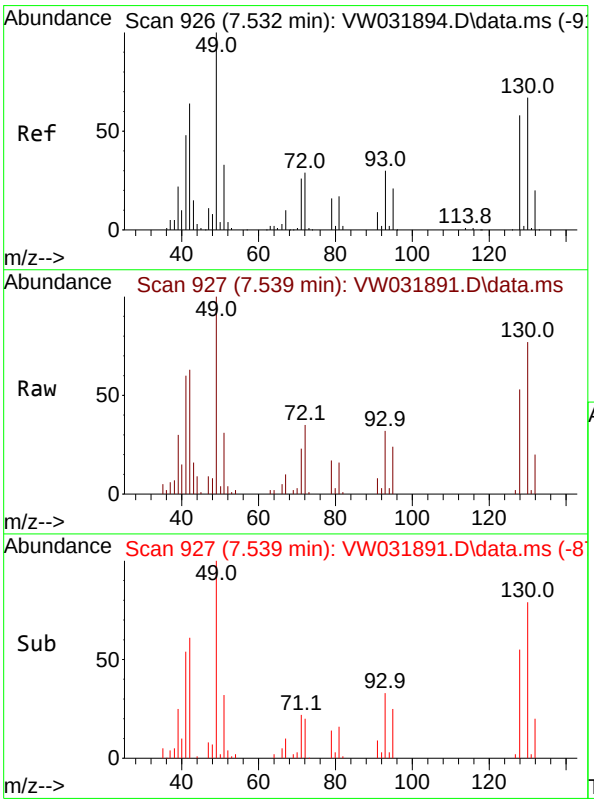
#27
cis-1,2-Dichloroethene
Concen: 5.279 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 20040

Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	280.2
98	62.8	0.0	126.8

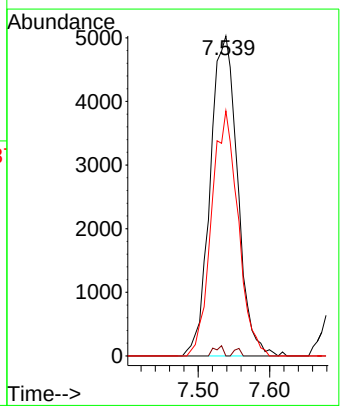


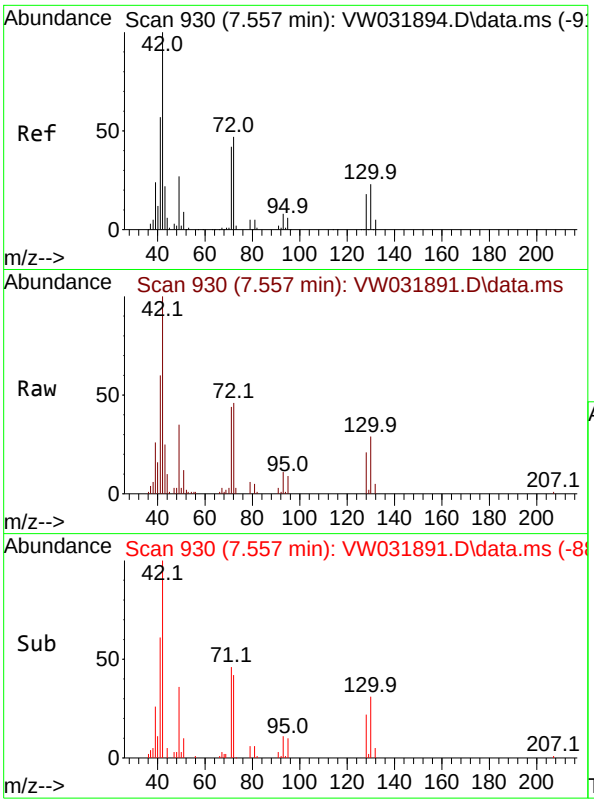


#28
Bromochloromethane
Concen: 5.401 ug/l
RT: 7.539 min Scan# 927
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 49 Resp: 13347

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	74.4	59.0	88.4



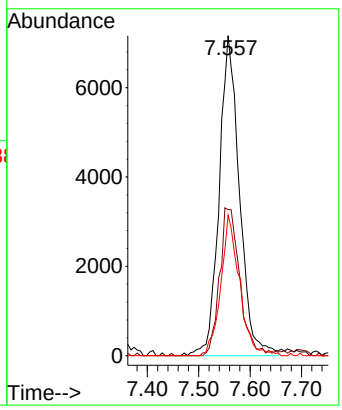


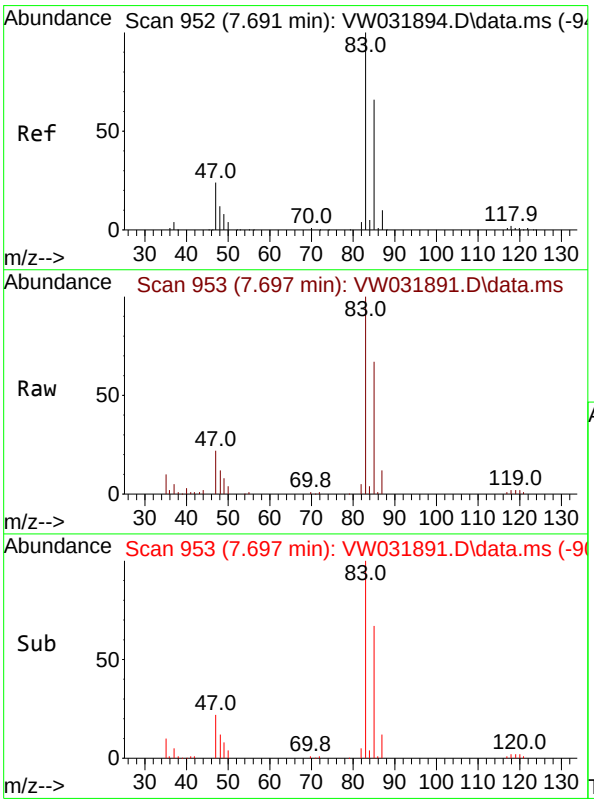
#29
Tetrahydrofuran
Concen: 26.780 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 19682

Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.0	55.6
71	40.6	34.5	51.7

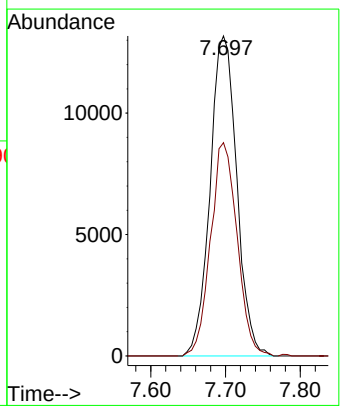


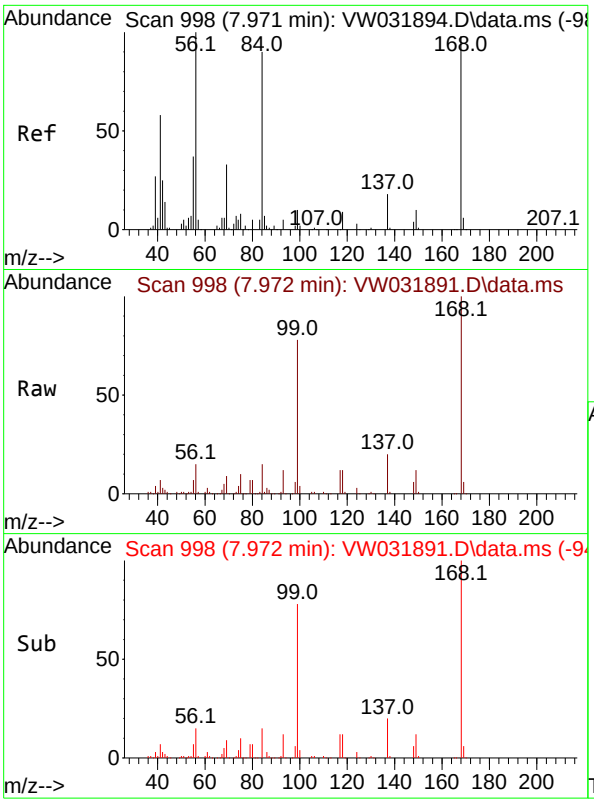


#30
Chloroform
Concen: 5.294 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 83 Resp: 32764

Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	78.8



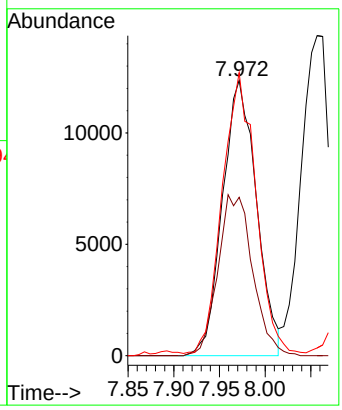


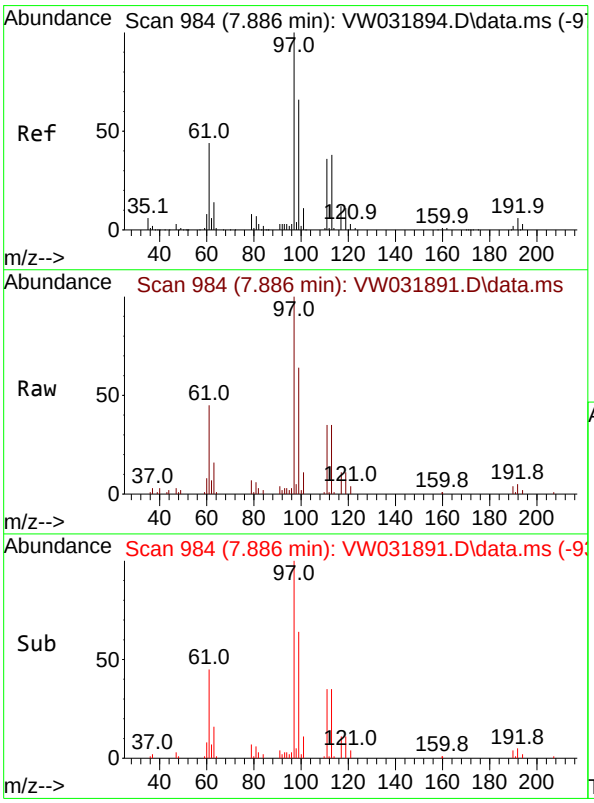
#31
Cyclohexane
Concen: 6.031 ug/l
RT: 7.972 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 31936

Ion	Ratio	Lower	Upper
56	100		
69	57.6	26.7	40.1#
84	101.6	71.8	107.6

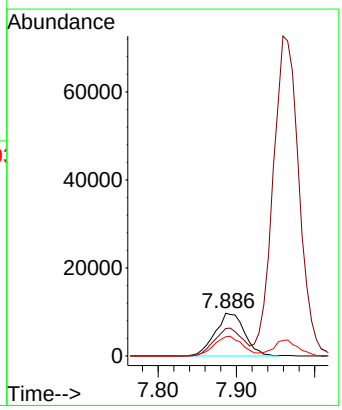


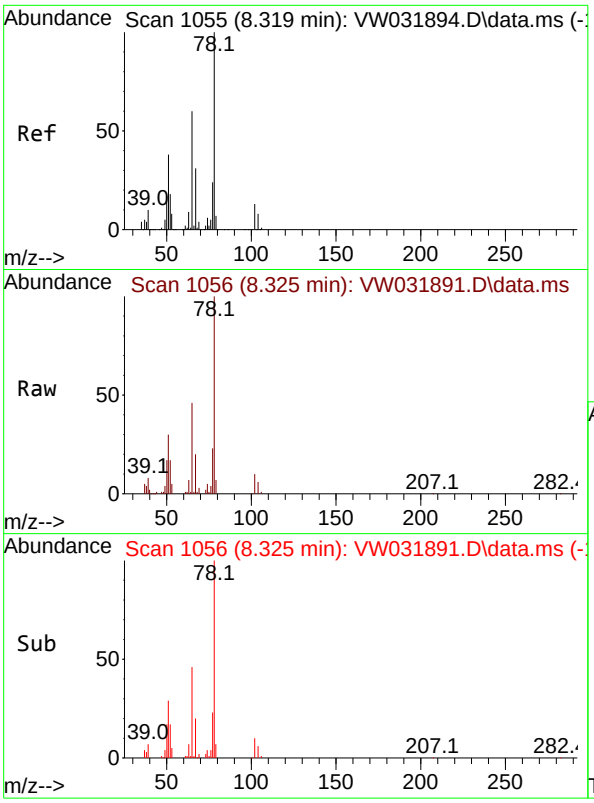


#32
1,1,1-Trichloroethane
Concen: 5.401 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 97 Resp: 25435

Ion	Ratio	Lower	Upper
97	100		
99	61.3	53.0	79.4
61	44.4	35.4	53.0



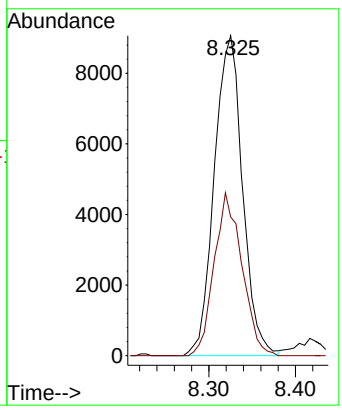


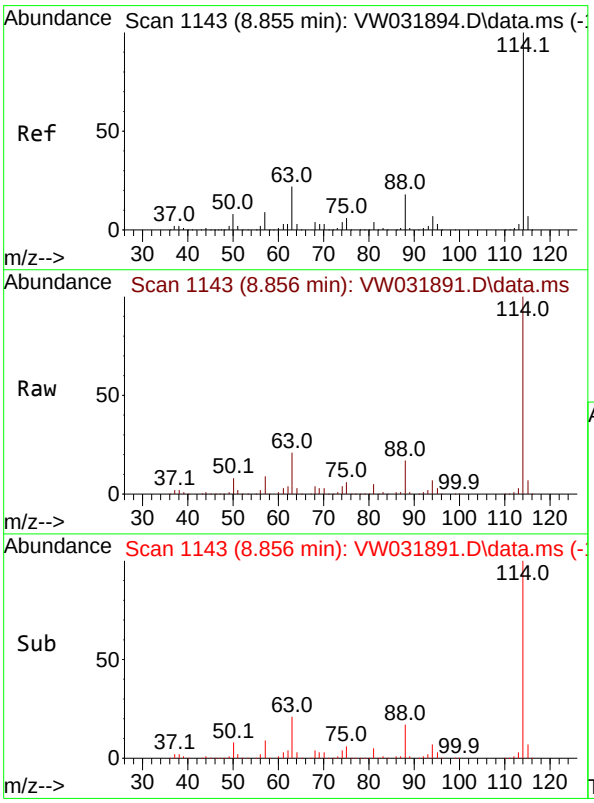
#33
1,2-Dichloroethane-d4
Concen: 5.946 ug/l
RT: 8.325 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 20528

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.4

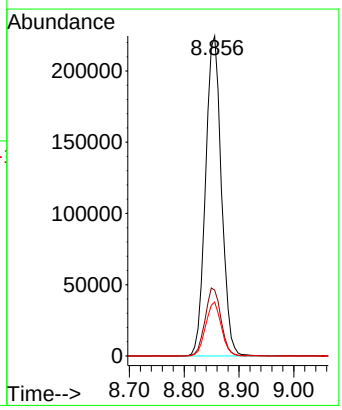


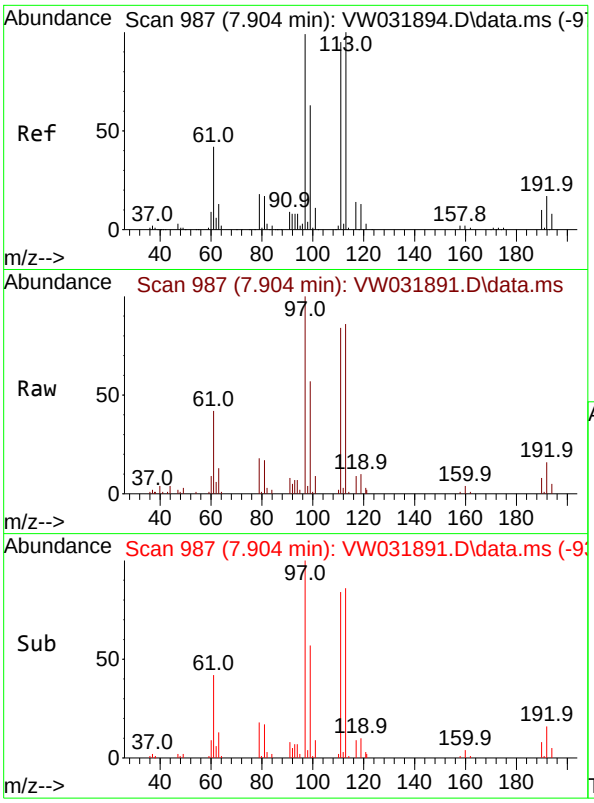


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:114 Resp: 449234

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	16.8	0.0	35.6



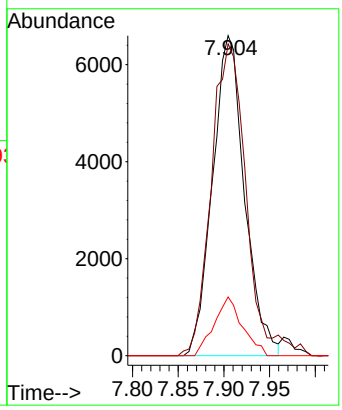


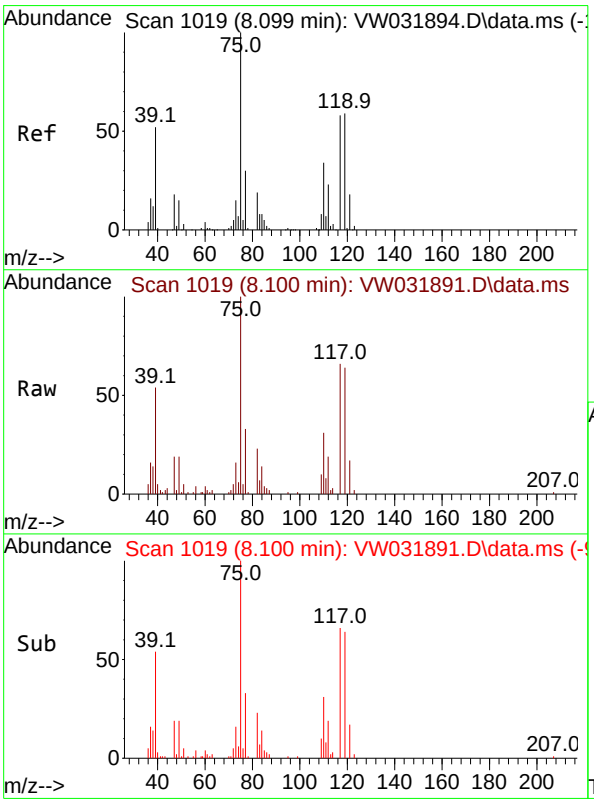
#35
Dibromofluoromethane
Concen: 5.273 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 16097

Ion	Ratio	Lower	Upper
113	100		
111	106.3	79.9	119.9
192	16.2	12.6	19.0

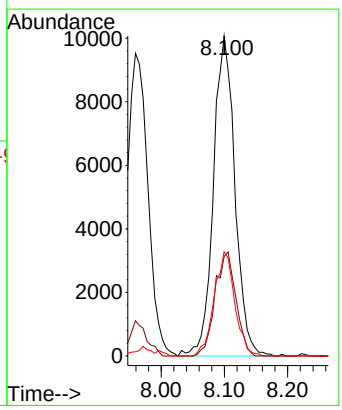


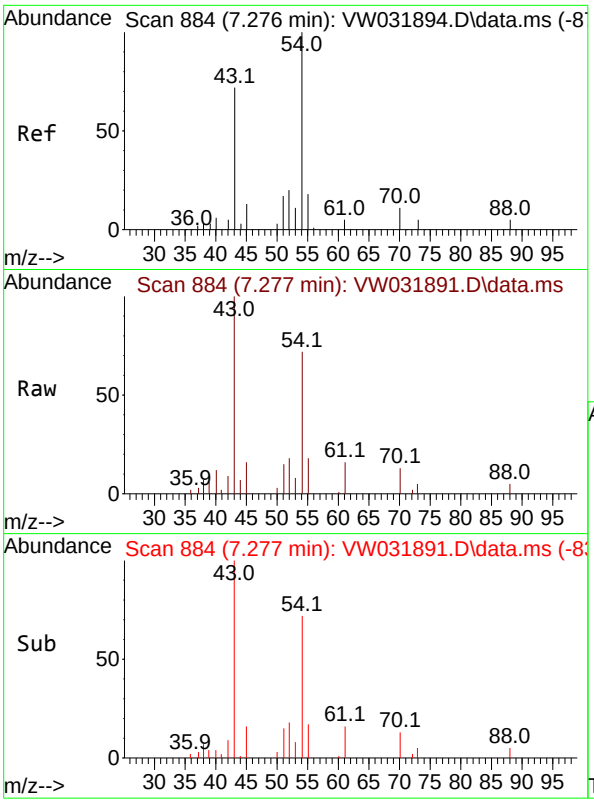


#36
1,1-Dichloropropene
Concen: 5.072 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 23778

Ion	Ratio	Lower	Upper
75	100		
110	31.6	17.0	50.9
77	31.1	25.1	37.7



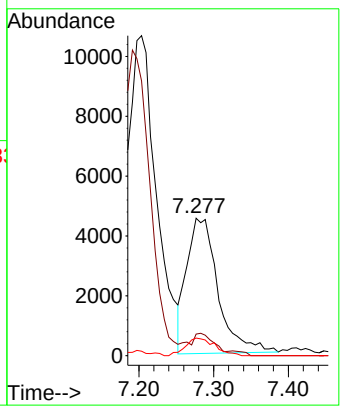


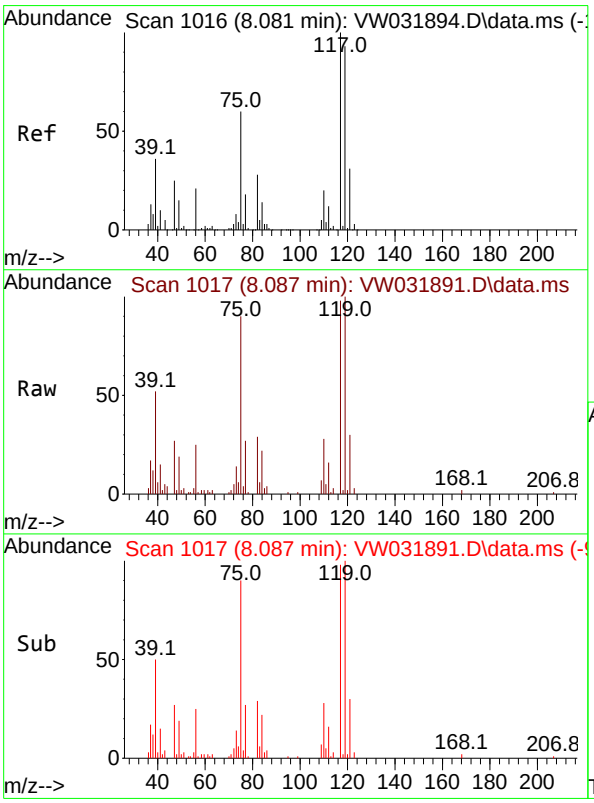
#37
Ethyl Acetate
Concen: 4.929 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13182

Ion	Ratio	Lower	Upper
43	100		
61	7.4	10.6	15.8#
70	12.2	9.0	13.4

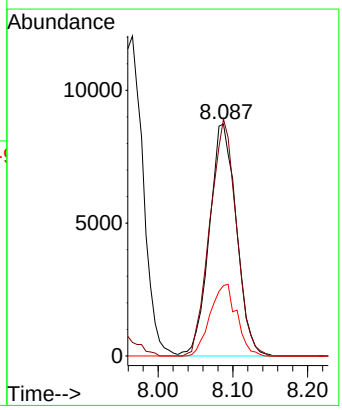


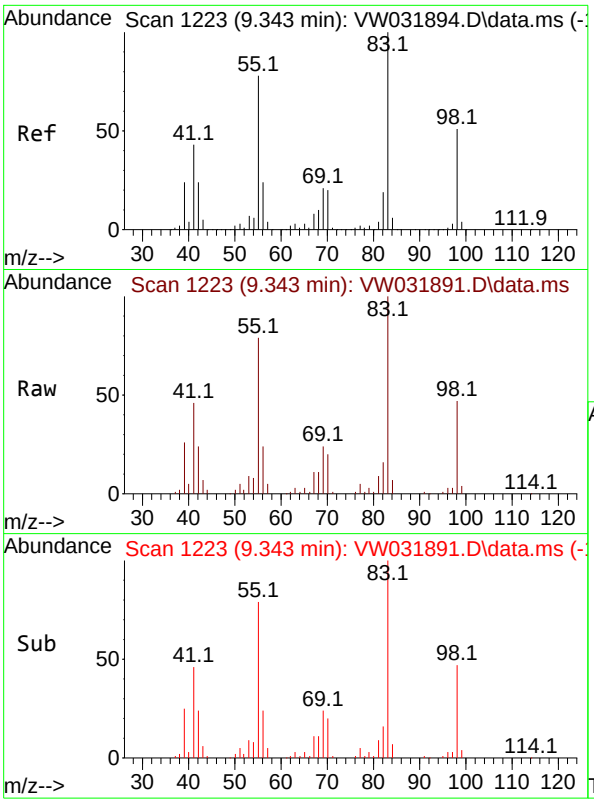


#38
Carbon Tetrachloride
Concen: 4.887 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:117 Resp: 21986

Ion	Ratio	Lower	Upper
117	100		
119	102.2	74.3	111.5
121	30.4	24.6	37.0



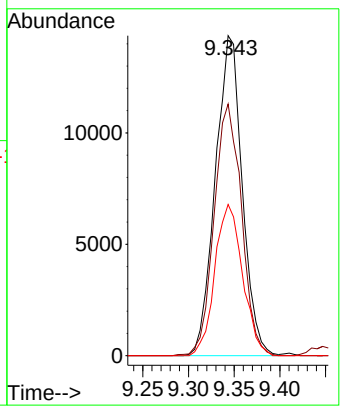


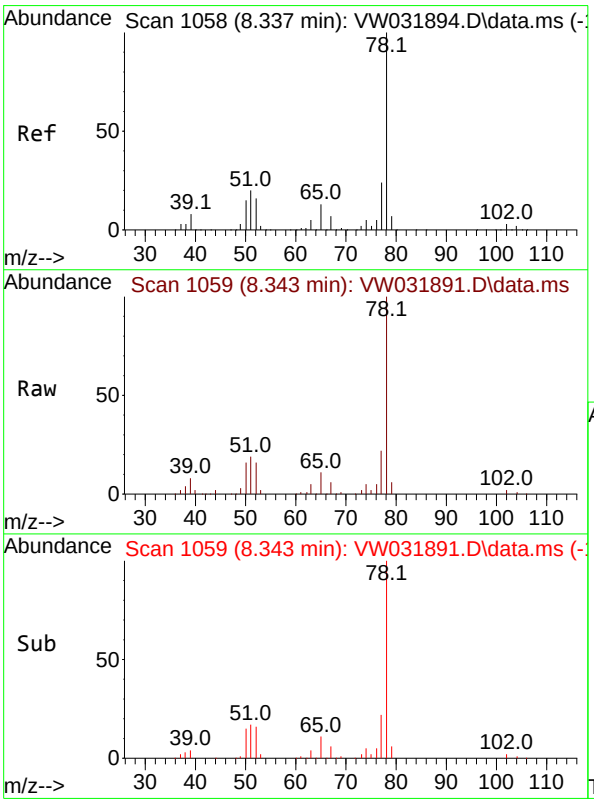
#39
Methylcyclohexane
Concen: 4.988 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 29428

Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.5	93.7
98	47.3	40.6	61.0

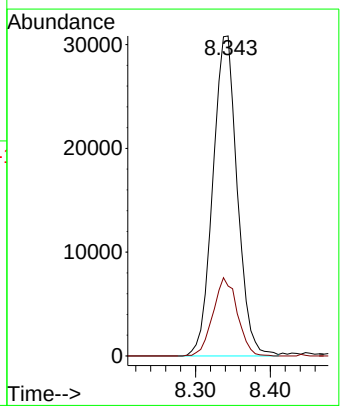


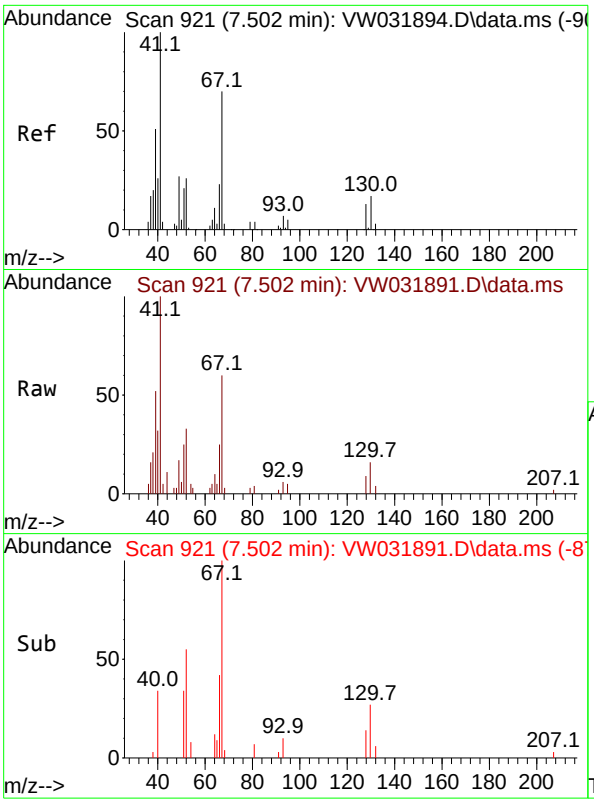


#40
Benzene
Concen: 5.043 ug/l
RT: 8.343 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 78 Resp: 69976

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.3	28.9



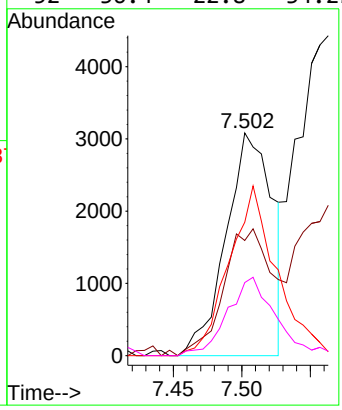


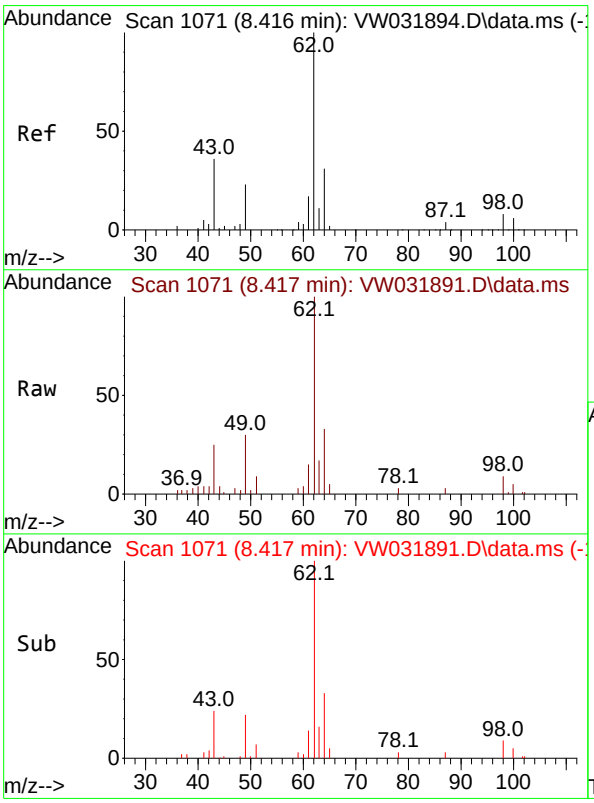
#41
Methacrylonitrile
Concen: 4.608 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7259

Ion	Ratio	Lower	Upper
41	100		
39	63.1	41.1	61.7#
67	79.1	56.2	84.4
52	36.4	22.8	34.2#

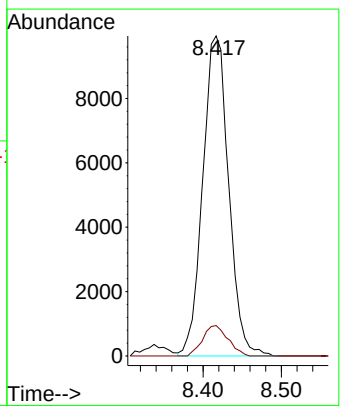


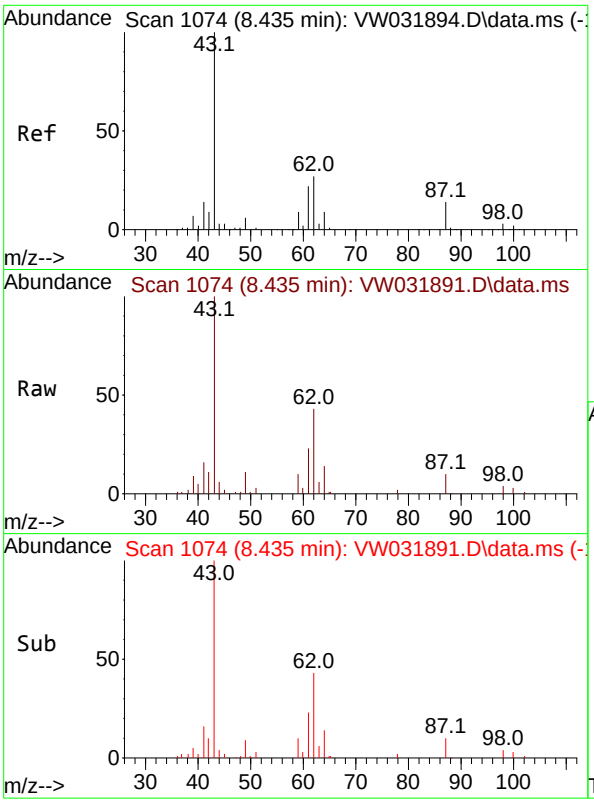


#42
1,2-Dichloroethane
Concen: 5.141 ug/l
RT: 8.417 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 62 Resp: 22835

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



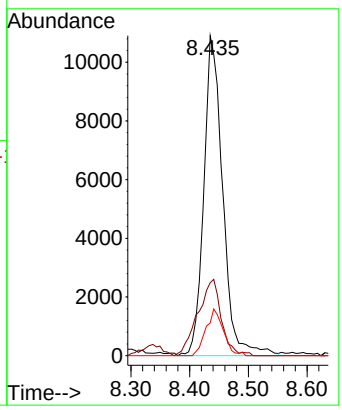


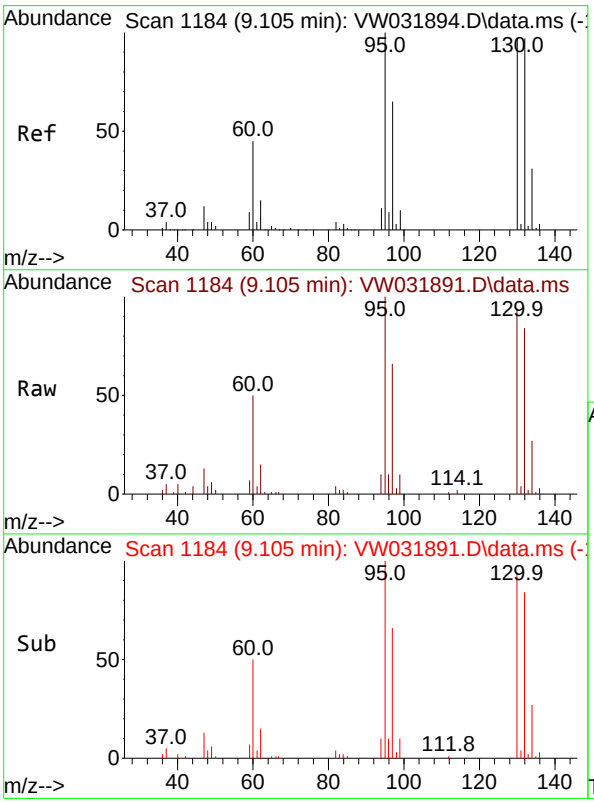
#43
Isopropyl Acetate
Concen: 5.049 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 24443

Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.0	36.0
87	13.4	11.1	16.7

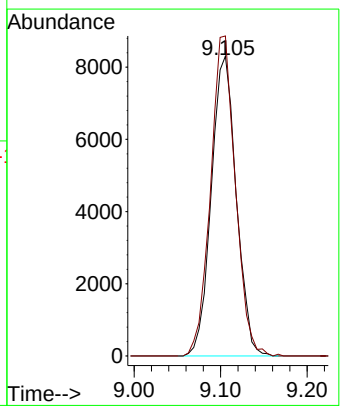


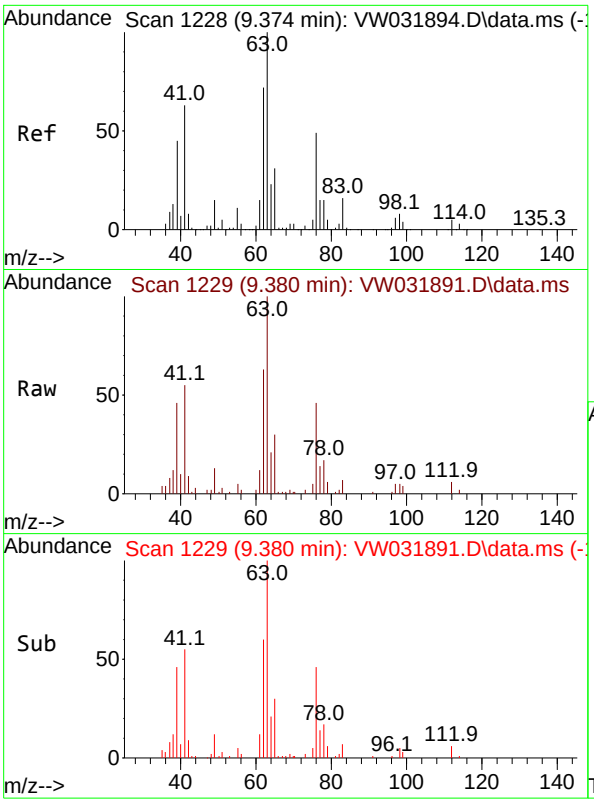


#44
Trichloroethene
Concen: 5.038 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:130 Resp: 16617

Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	206.4



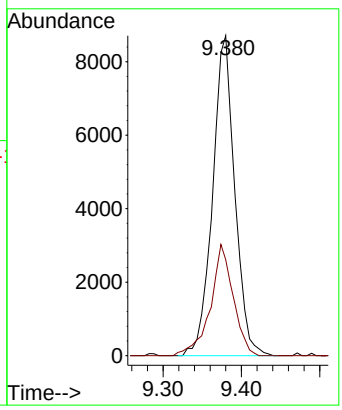


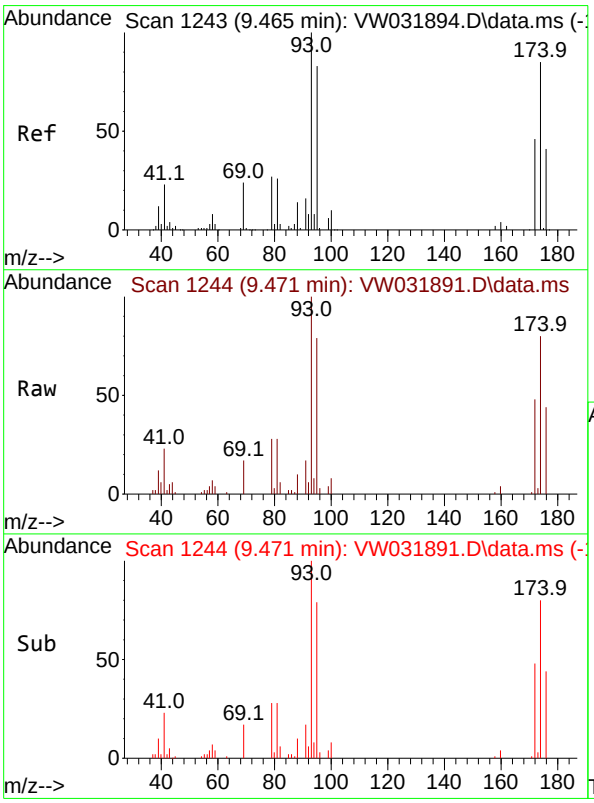
#45
1,2-Dichloropropane
Concen: 5.125 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 17128

Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.0	37.4

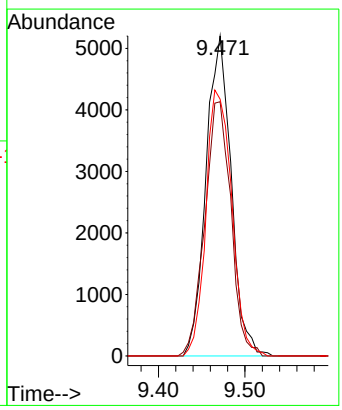


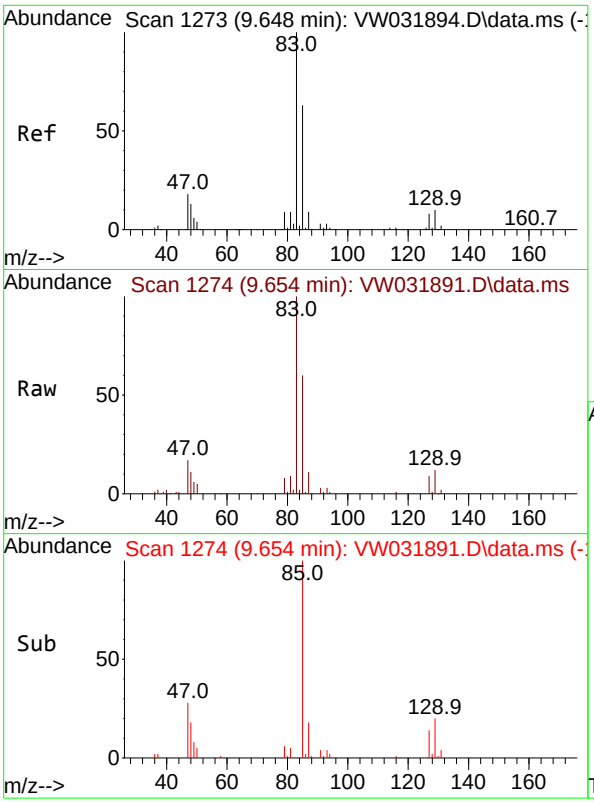


#46
Dibromomethane
Concen: 5.062 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 93 Resp: 10488

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.6
174	85.2	70.2	105.2



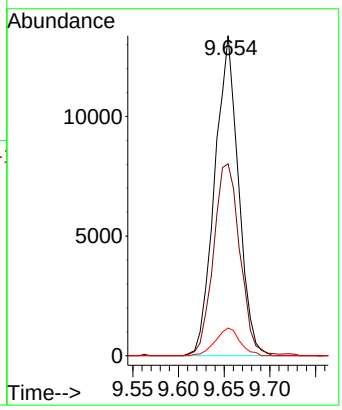


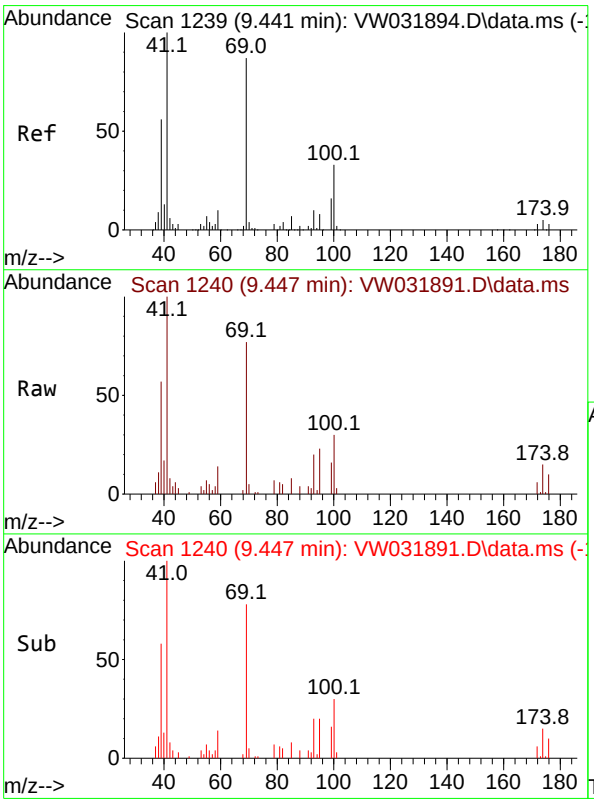
#47
Bromodichloromethane
Concen: 4.856 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 24125

Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.6	76.0
127	8.7	6.5	9.7

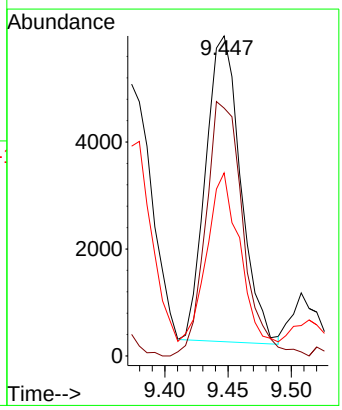


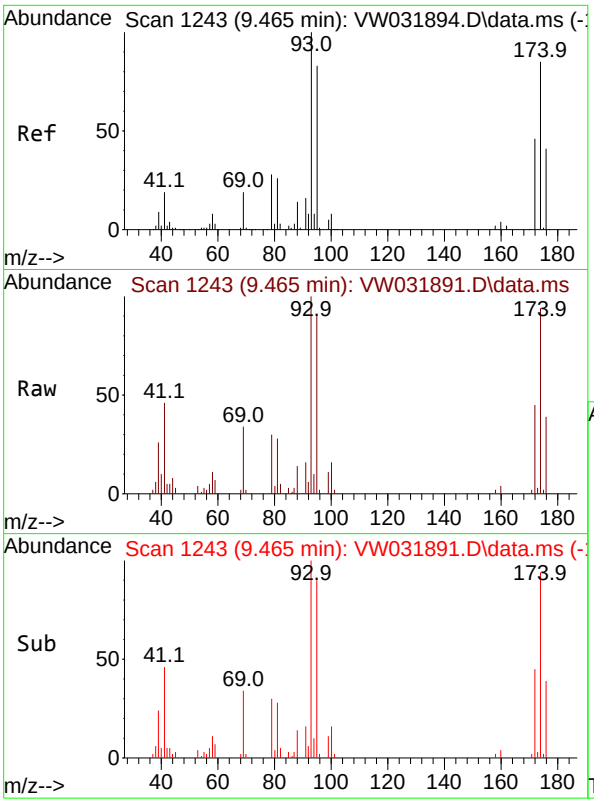


#48
Methyl methacrylate
Concen: 4.768 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 41 Resp: 10983

Ion	Ratio	Lower	Upper
41	100		
69	88.6	73.6	110.4
39	52.3	45.5	68.3



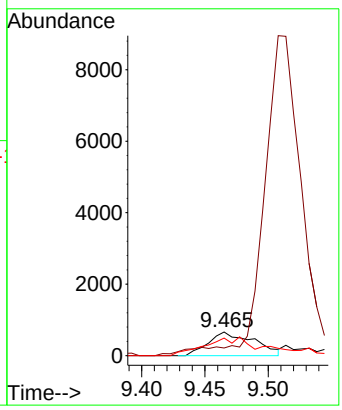


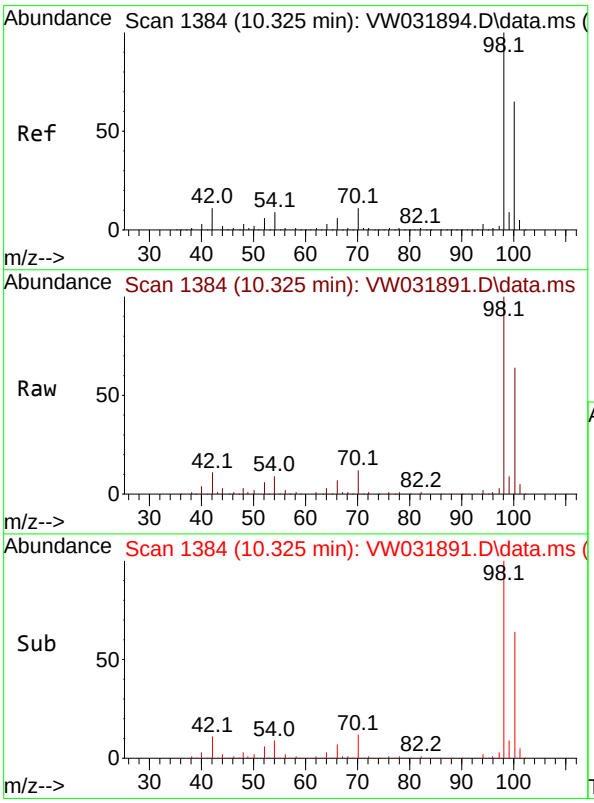
#49
1,4-Dioxane
Concen: 80.493 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1664

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	71.4	58.2	87.2

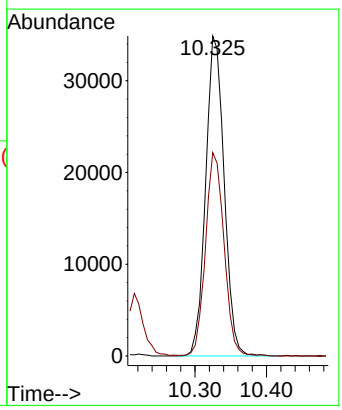


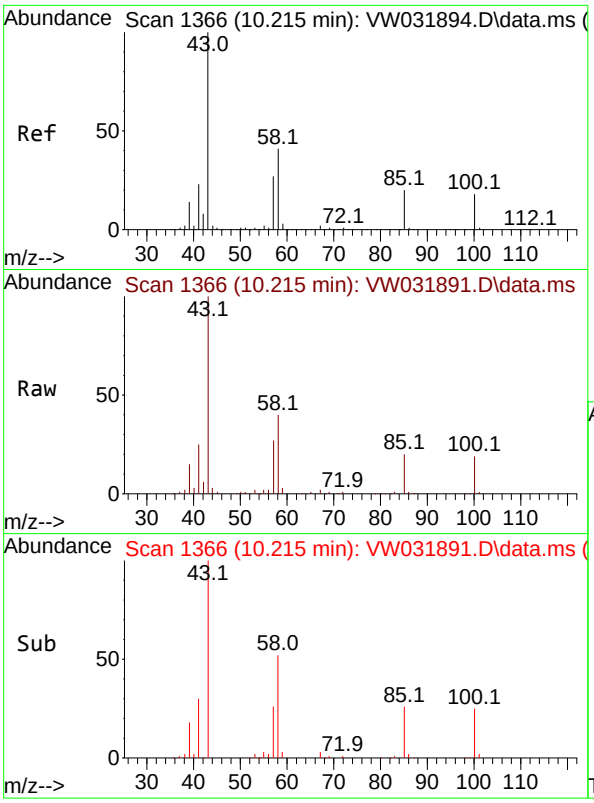


#50
Toluene-d8
Concen: 5.416 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 98 Resp: 62567

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5



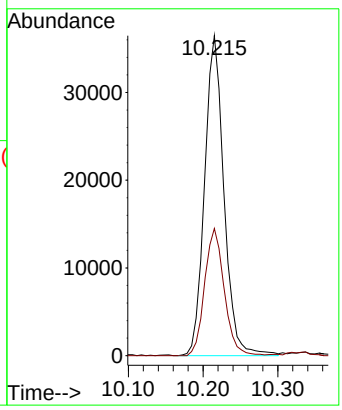


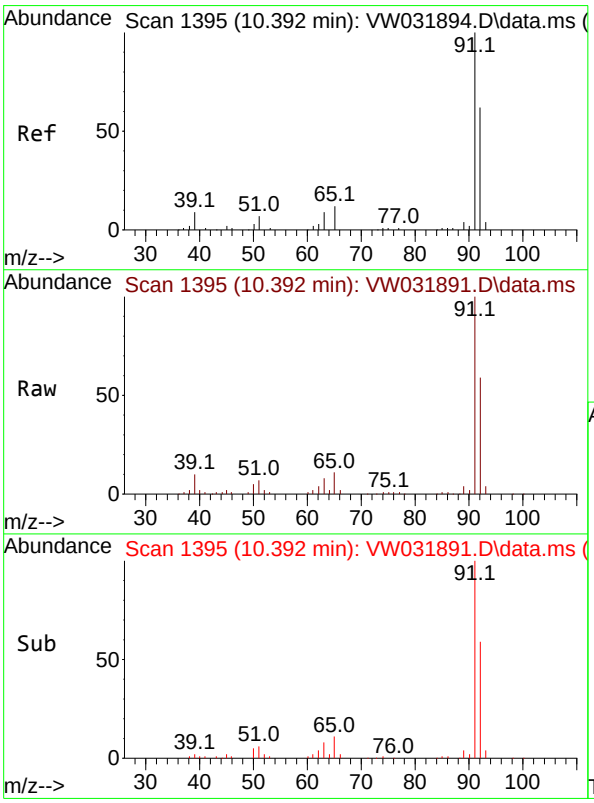
#51
4-Methyl-2-Pentanone
Concen: 24.860 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 65866

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.8	49.2

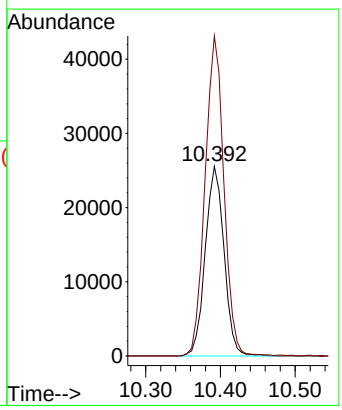


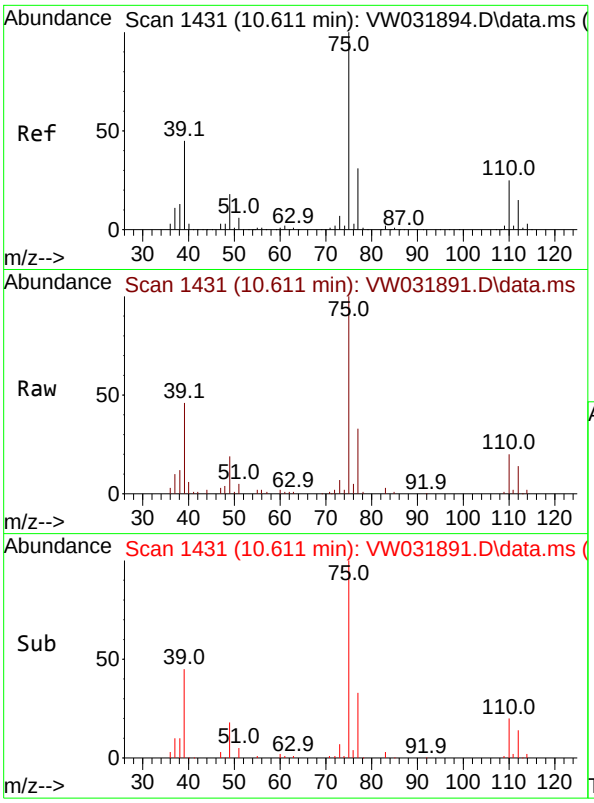


#52
Toluene
Concen: 4.997 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 92 Resp: 44580

Ion	Ratio	Lower	Upper
92	100		
91	169.1	133.7	200.5



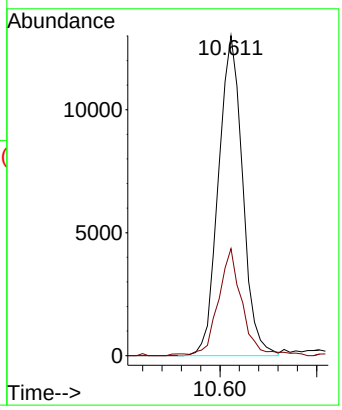


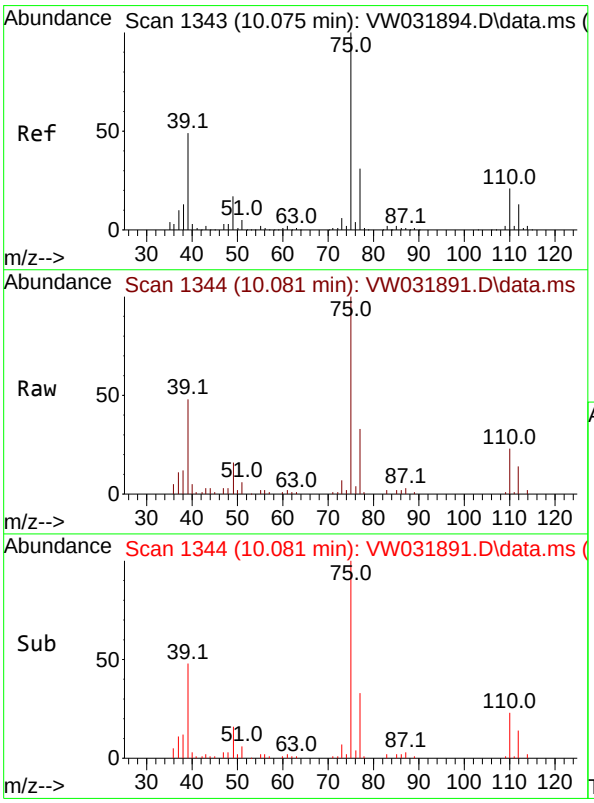
#53
t-1,3-Dichloropropene
Concen: 4.734 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 22560

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8

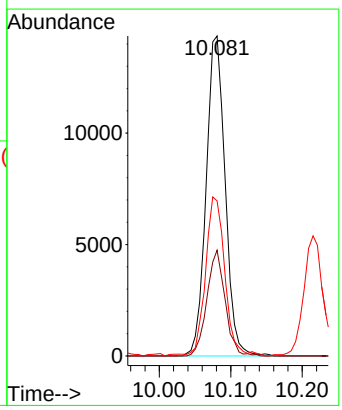


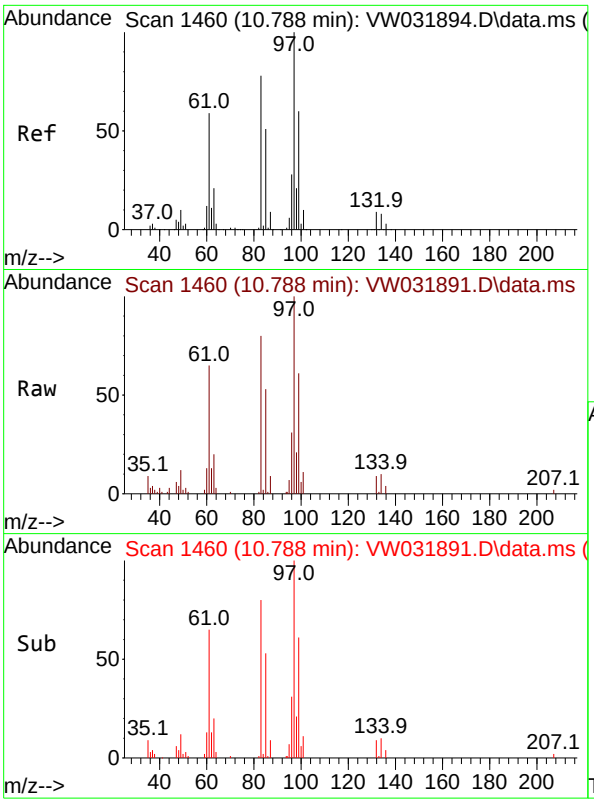


#54
cis-1,3-Dichloropropene
Concen: 4.875 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 26530

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.5	36.7
39	48.0	39.3	58.9



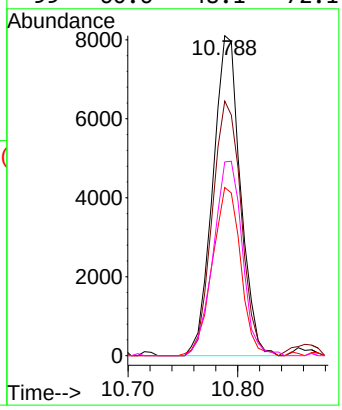


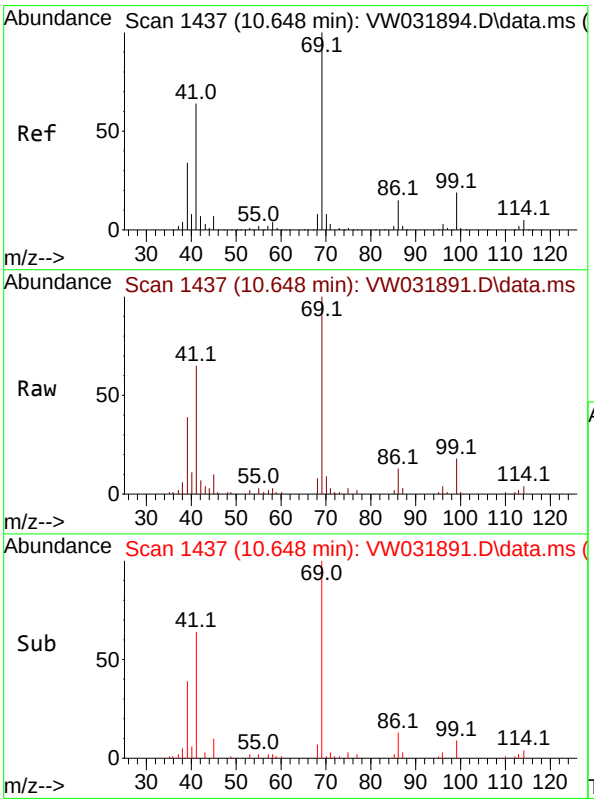
#55
1,1,2-Trichloroethane
Concen: 5.160 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 14199

Ion	Ratio	Lower	Upper
97	100		
83	79.5	62.4	93.6
85	52.5	41.0	61.6
99	60.6	48.1	72.1

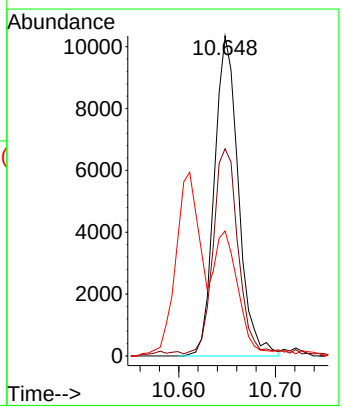


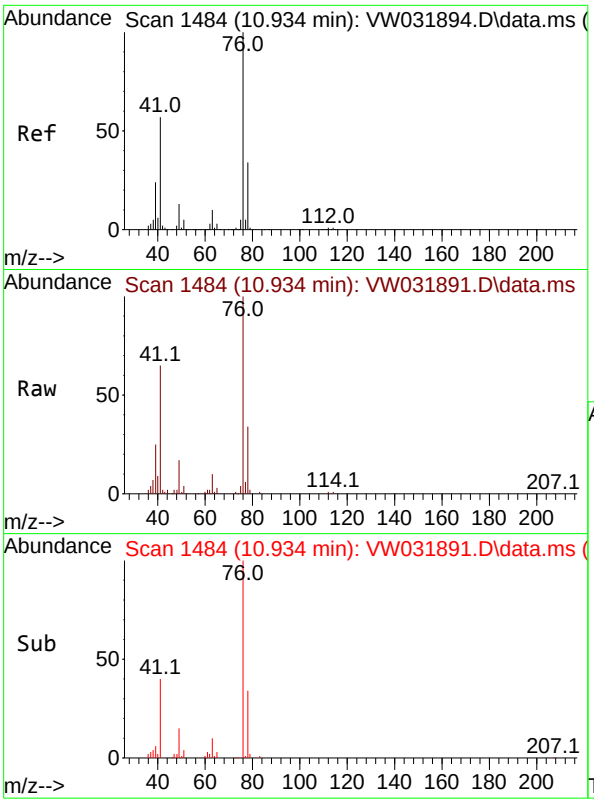


#56
Ethyl methacrylate
Concen: 4.585 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 69 Resp: 17819

Ion	Ratio	Lower	Upper
69	100		
41	70.0	52.0	78.0
39	39.5	26.6	40.0



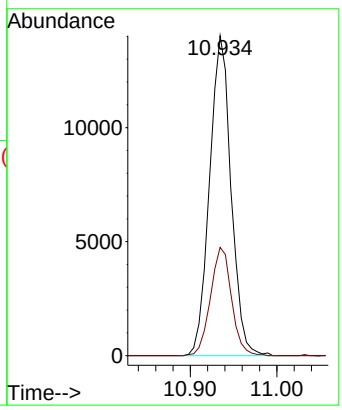


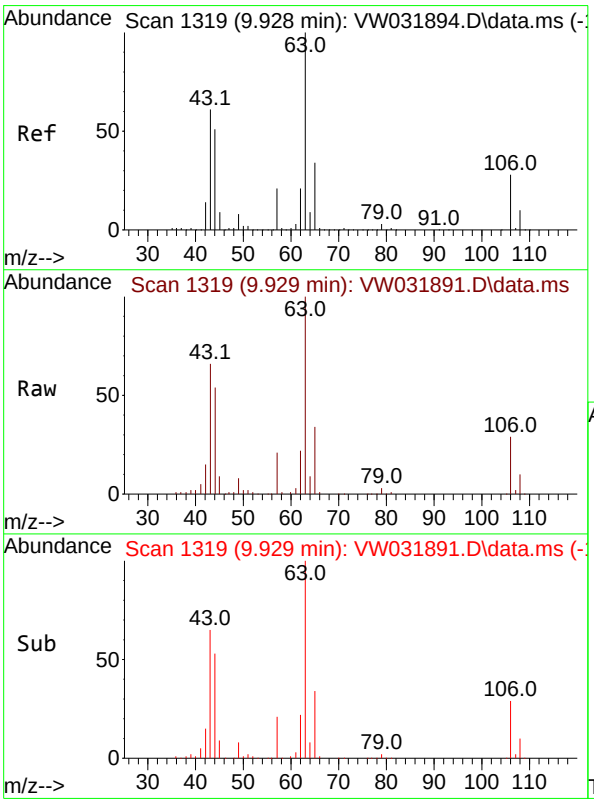
#57
1,3-Dichloropropane
Concen: 4.985 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 24166

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.9	38.9

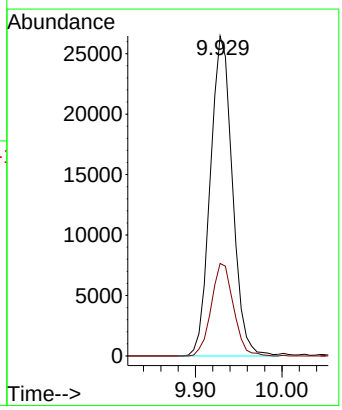


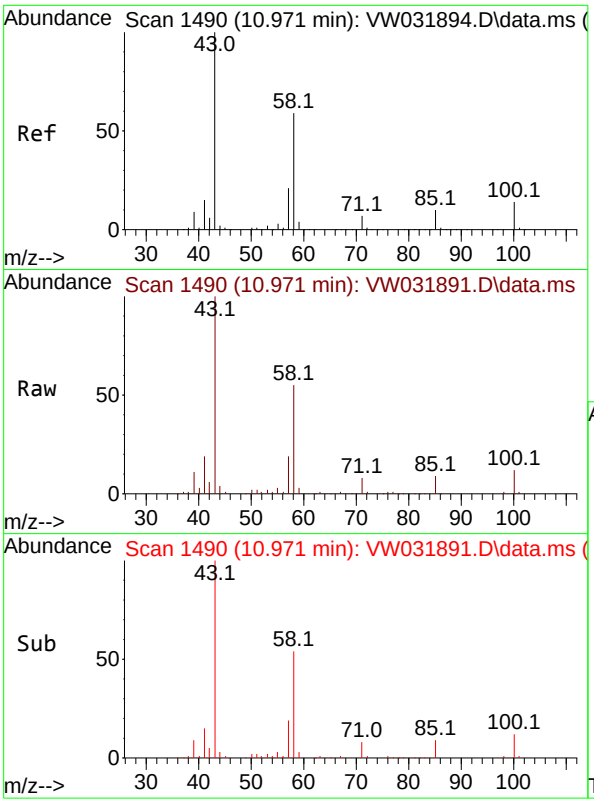


#58
2-Chloroethyl Vinyl ether
Concen: 23.525 ug/l
RT: 9.929 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 63 Resp: 46965

Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1



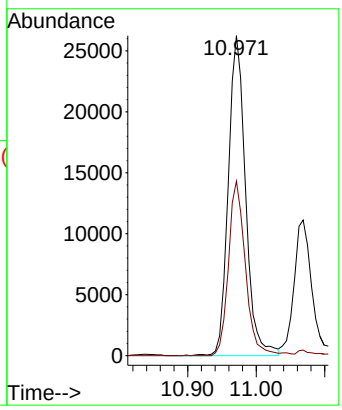


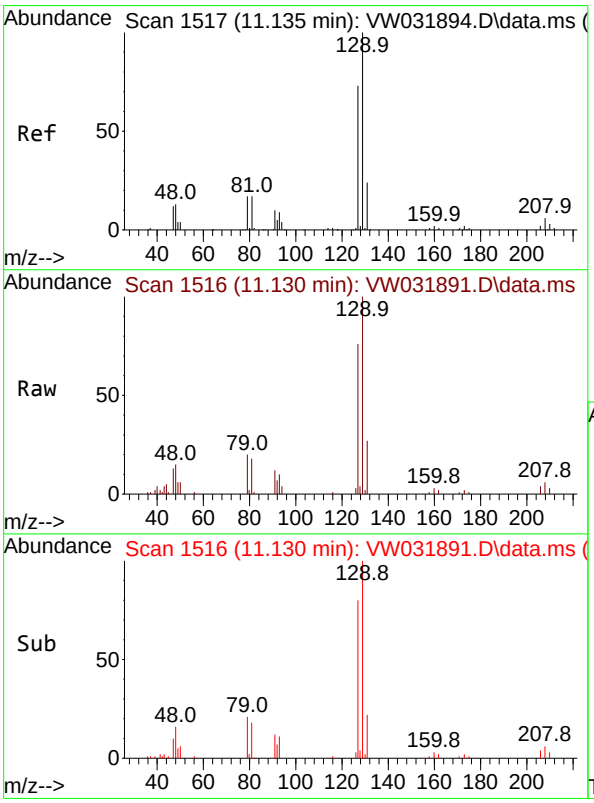
#59
2-Hexanone
Concen: 24.957 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 45962

Ion	Ratio	Lower	Upper
43	100		
58	53.9	28.5	85.6

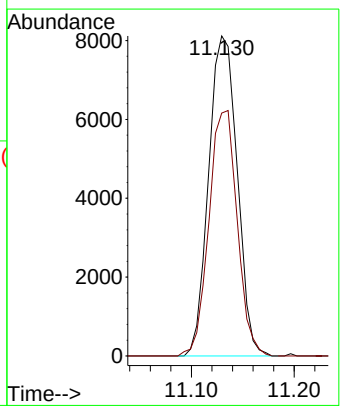


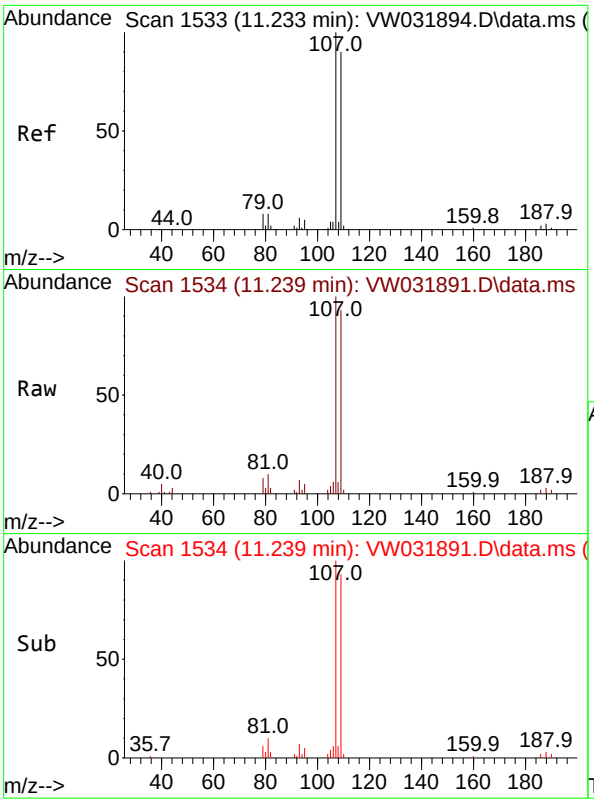


#60
Dibromochloromethane
Concen: 4.882 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:129 Resp: 15663

Ion	Ratio	Lower	Upper
129	100		
127	76.0	39.6	118.8



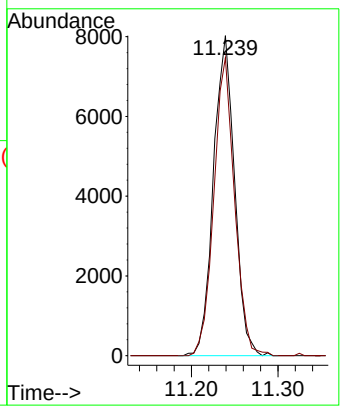


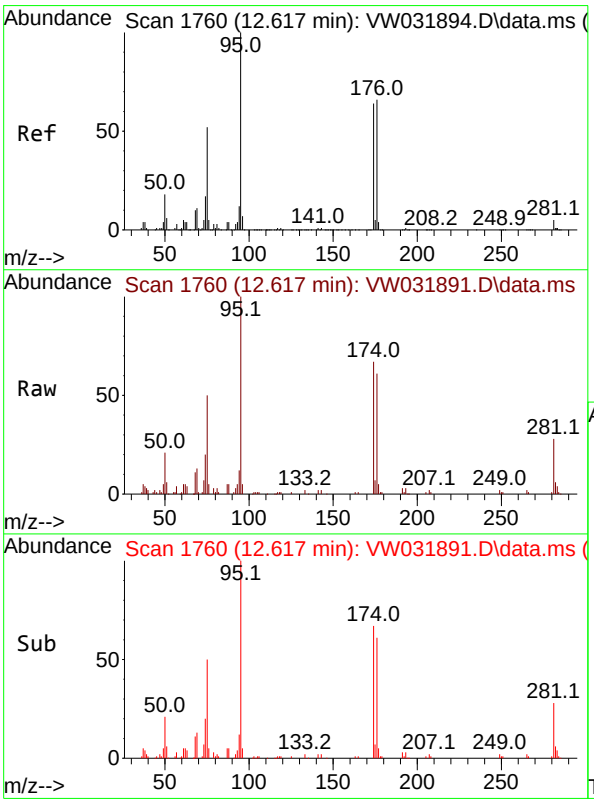
#61
1,2-Dibromoethane
Concen: 4.981 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13545

Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.2	111.4

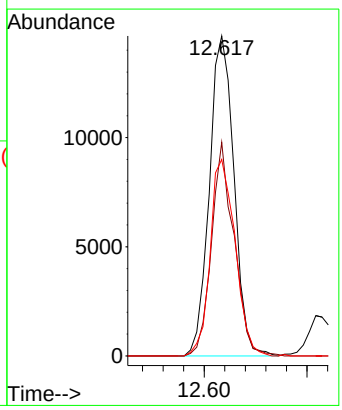


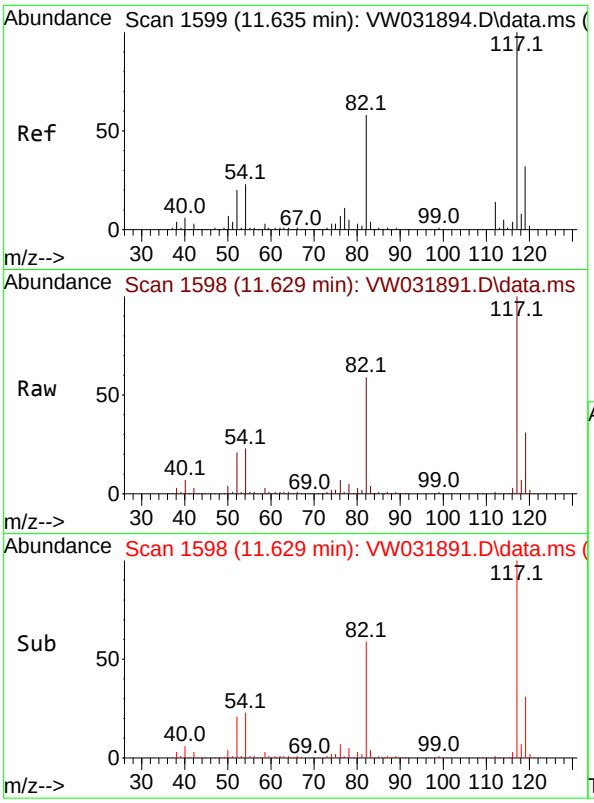


#62
4-Bromofluorobenzene
Concen: 5.484 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 95 Resp: 24327

Ion	Ratio	Lower	Upper
95	100		
174	61.1	0.0	129.8
176	62.4	0.0	130.4



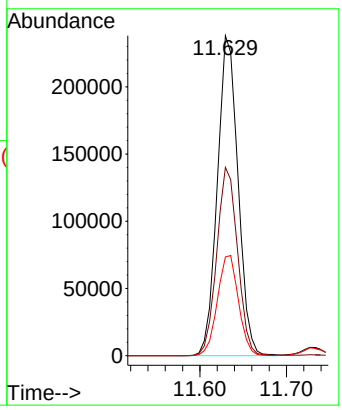


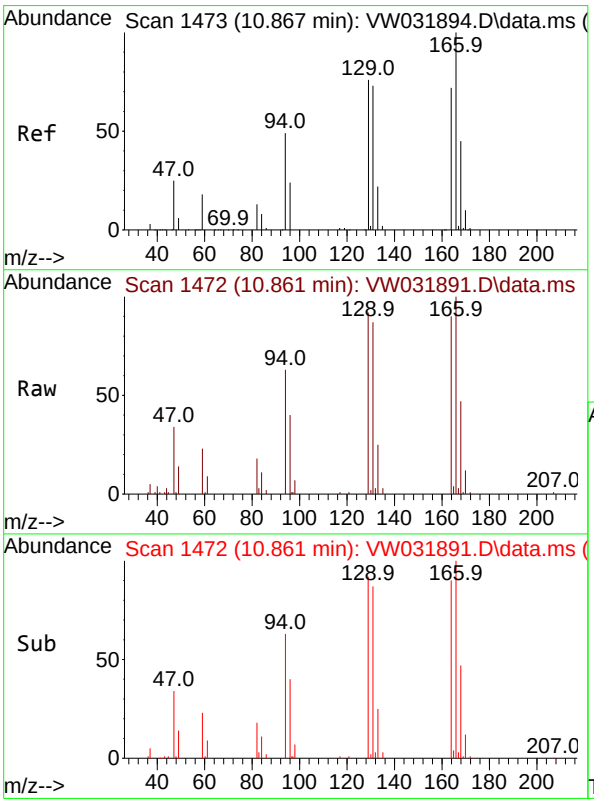
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 394805

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	30.8	25.8	38.6

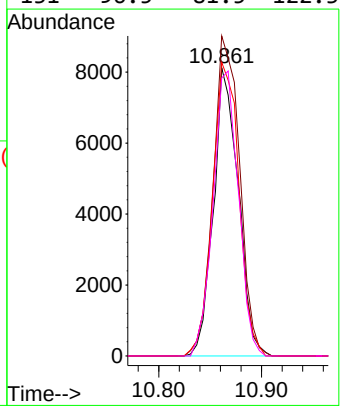


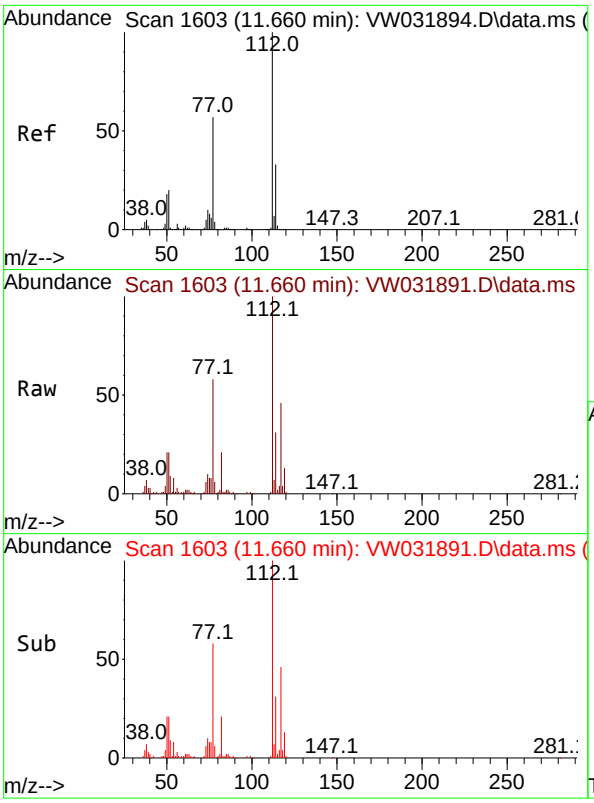


#64
Tetrachloroethene
Concen: 5.228 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:164 Resp: 13609

Ion	Ratio	Lower	Upper
164	100		
166	111.0	111.5	167.3#
129	101.9	85.1	127.7
131	96.5	81.5	122.3



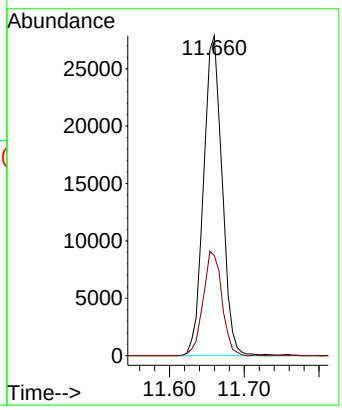


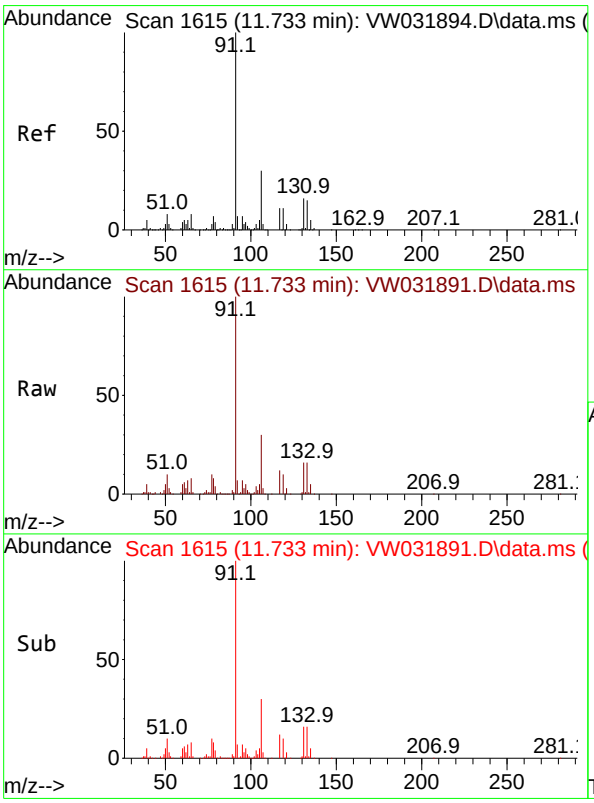
#65
Chlorobenzene
Concen: 4.967 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 47998

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.2	39.2

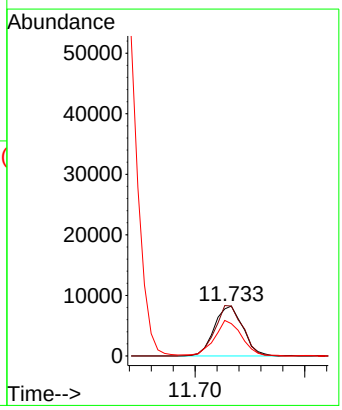


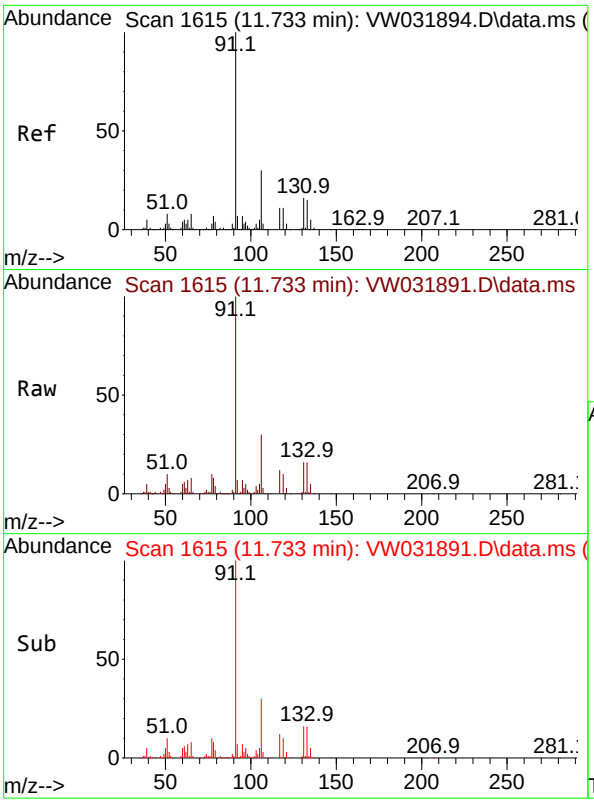


#66
1,1,1,2-Tetrachloroethane
Concen: 4.992 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:131 Resp: 14955

Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.1	144.4
119	68.3	33.7	101.1



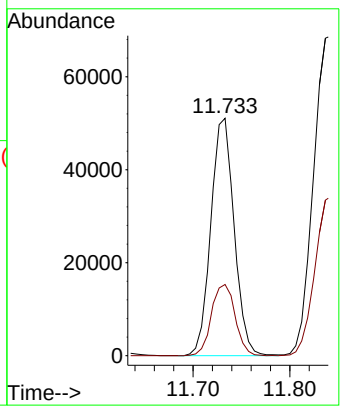


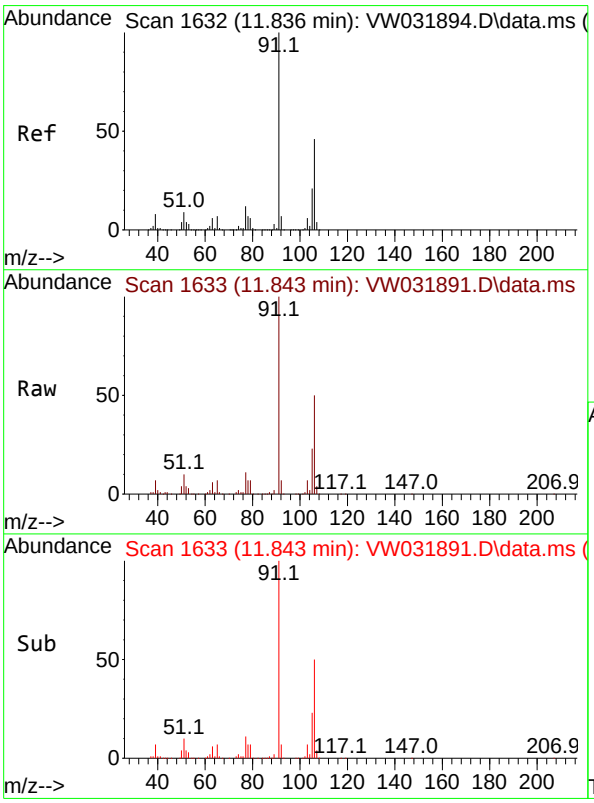
#67
Ethyl Benzene
Concen: 5.039 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 85548

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.6

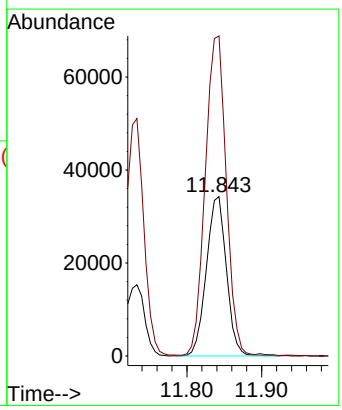


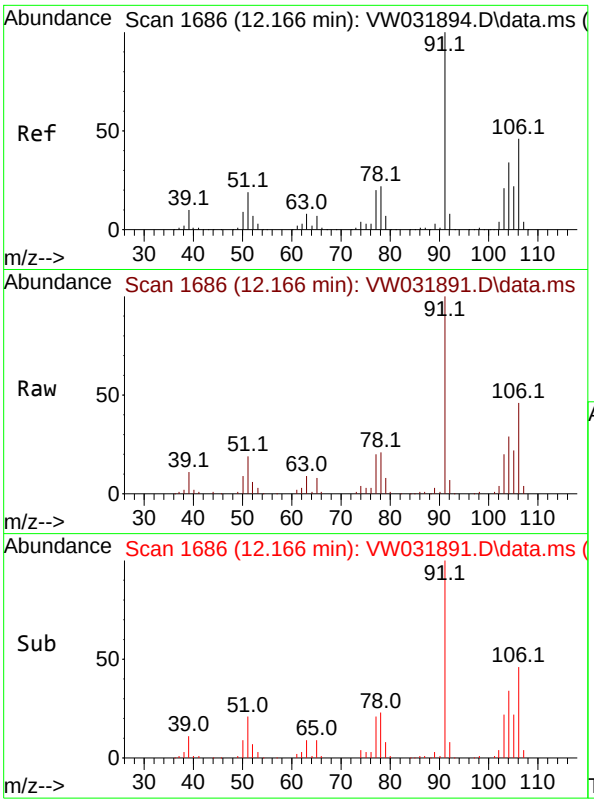


#68
m/p-Xylenes
Concen: 9.986 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:106 Resp: 63820

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.7	251.5



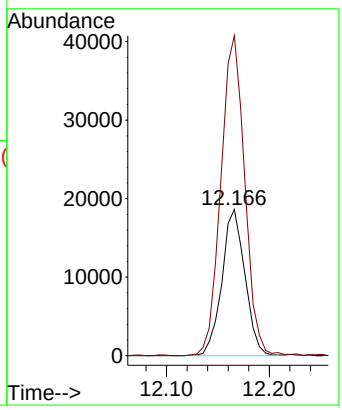


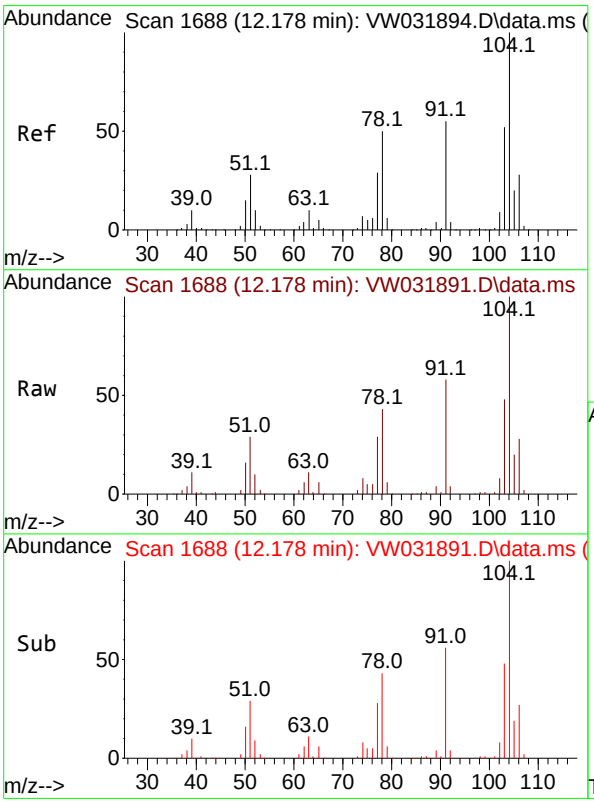
#69
o-Xylene
Concen: 4.793 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 28989

Ion	Ratio	Lower	Upper
106	100		
91	226.5	108.2	324.6

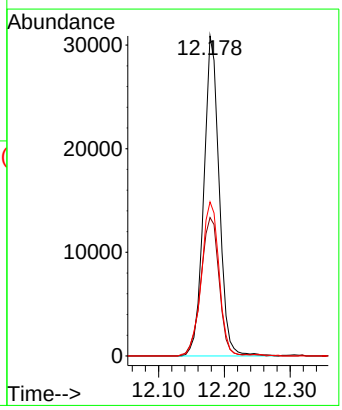


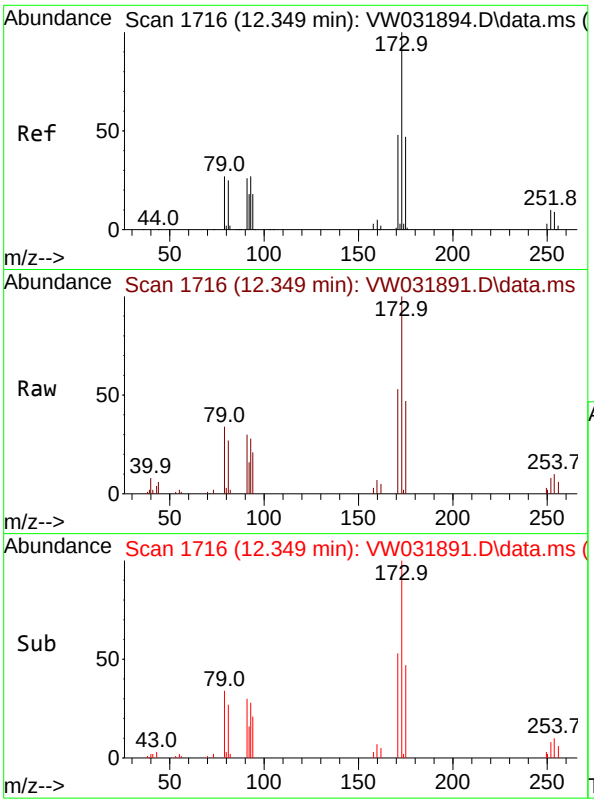


#70
Styrene
Concen: 4.894 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:104 Resp: 50399

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.2	63.4
103	54.7	42.8	64.2



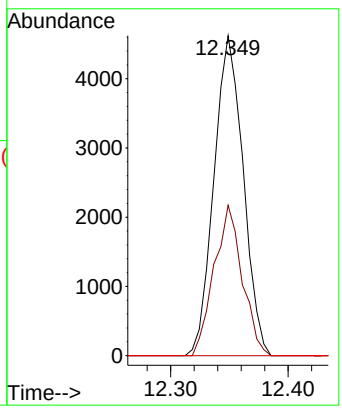


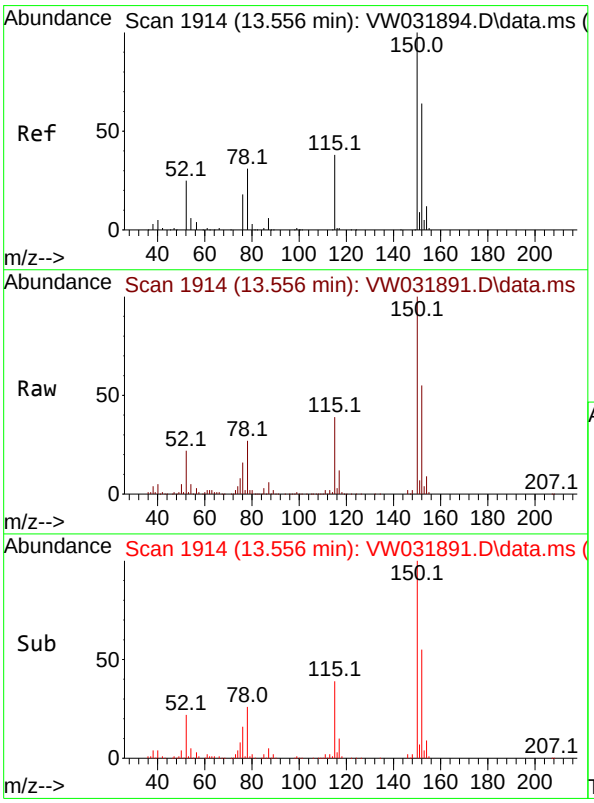
#71
Bromoform
Concen: 4.877 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7989

Ion	Ratio	Lower	Upper
173	100		
175	45.2	24.5	73.5
254	0.0	0.2	0.2#

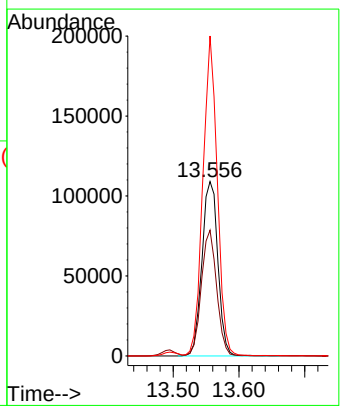


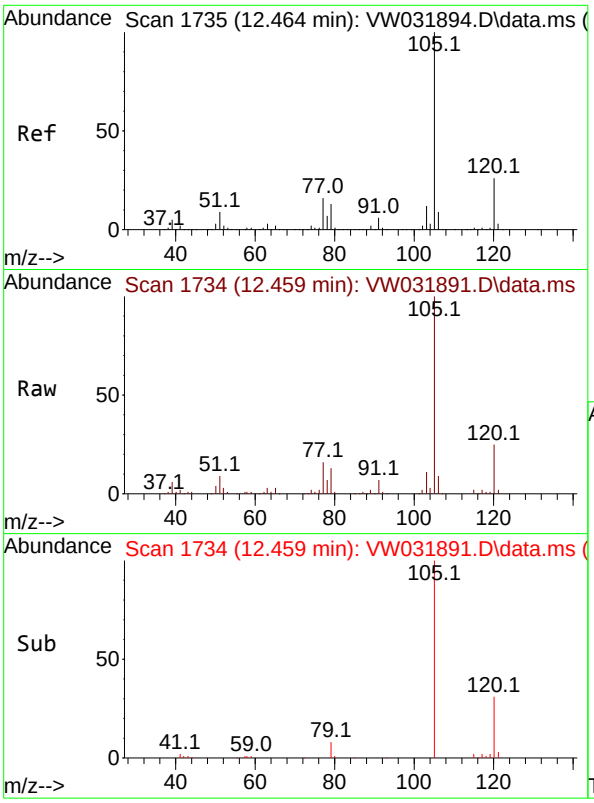


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:152 Resp: 183530

Ion	Ratio	Lower	Upper
152	100		
115	69.1	33.4	100.1
150	165.3	0.0	352.2



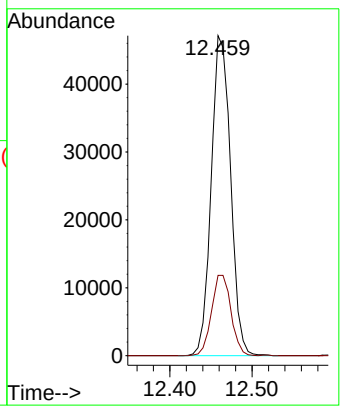


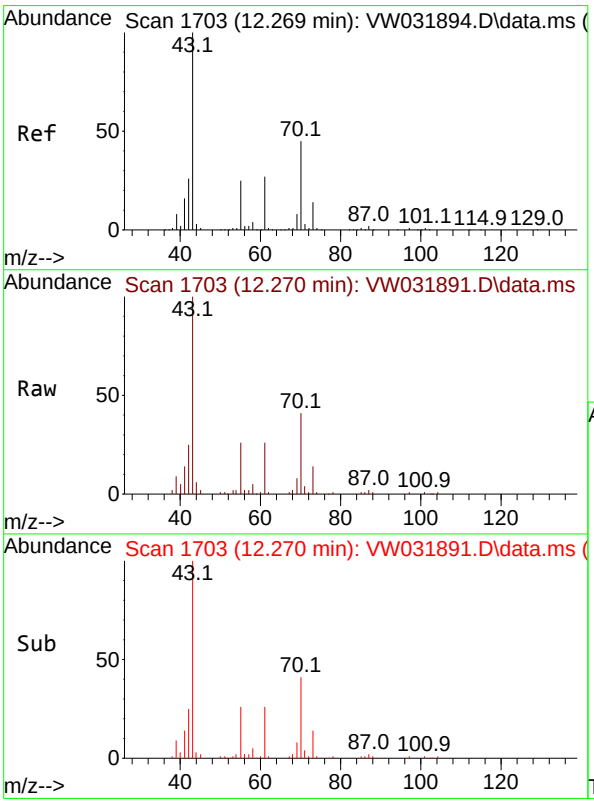
#73
Isopropylbenzene
Concen: 4.832 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 76941

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8

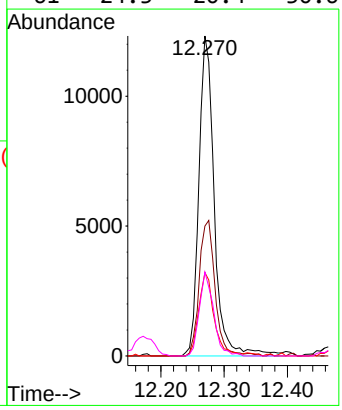


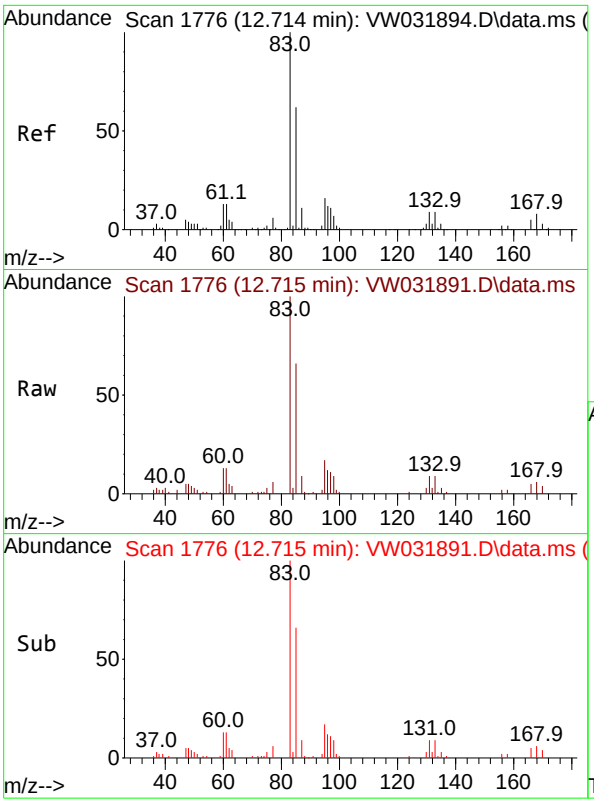


#74
N-amyl acetate
Concen: 4.852 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 43 Resp: 20889

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.6	55.0
55	25.8	20.7	31.1
61	24.3	20.4	30.6



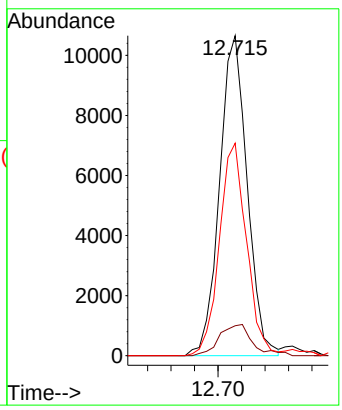


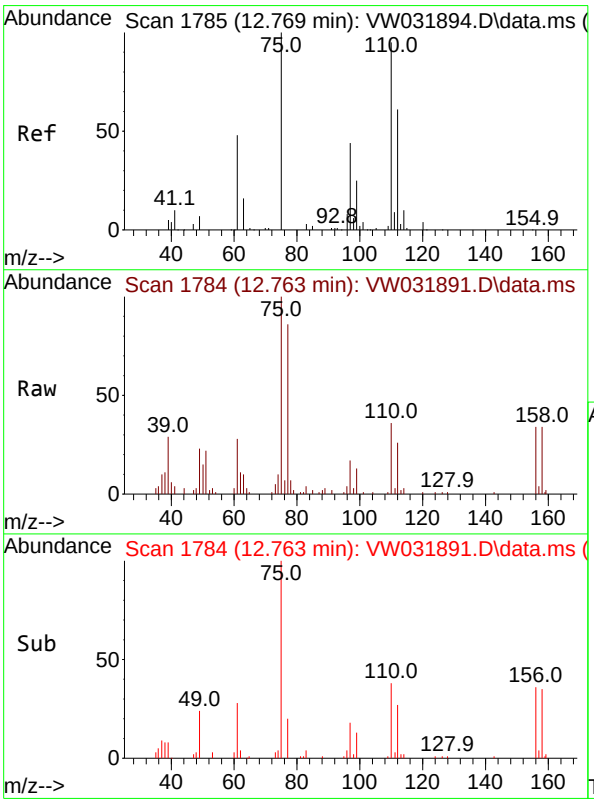
#75
1,1,2,2-Tetrachloroethane
Concen: 5.139 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 17372

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.0	15.0
85	65.3	31.8	95.3

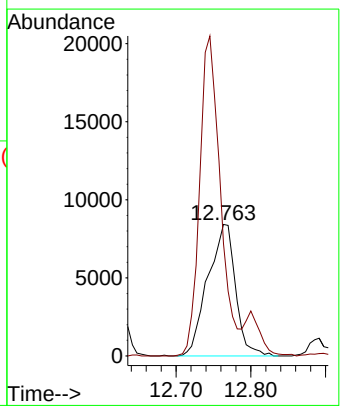


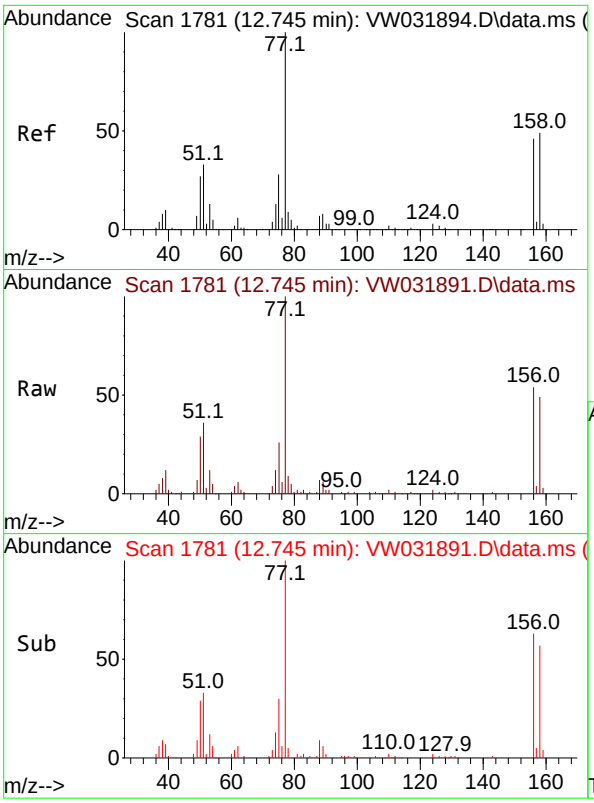


#76
1,2,3-Trichloropropane
Concen: 8.649 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 21731

Ion	Ratio	Lower	Upper
75	100		
77	182.8	0.0	0.0#



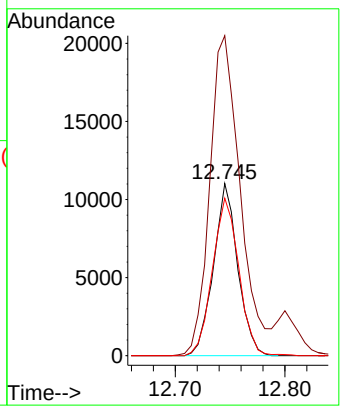


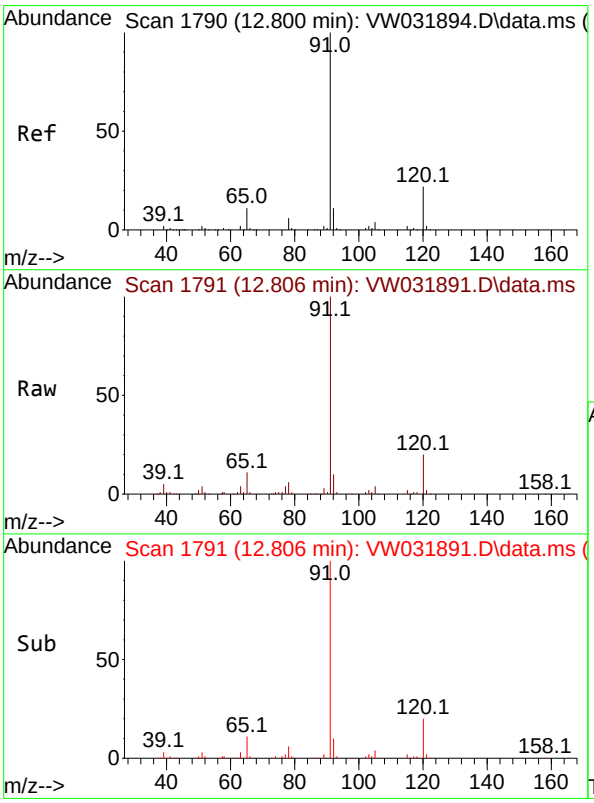
#77
Bromobenzene
Concen: 4.924 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 16967

Ion	Ratio	Lower	Upper
156	100		
77	234.1	115.3	345.8
158	99.4	50.1	150.3

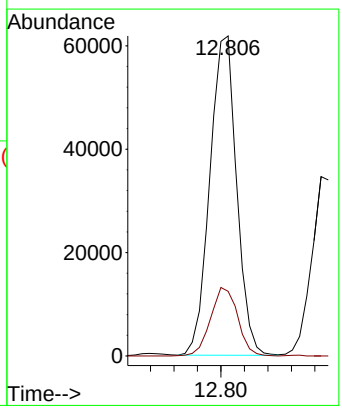


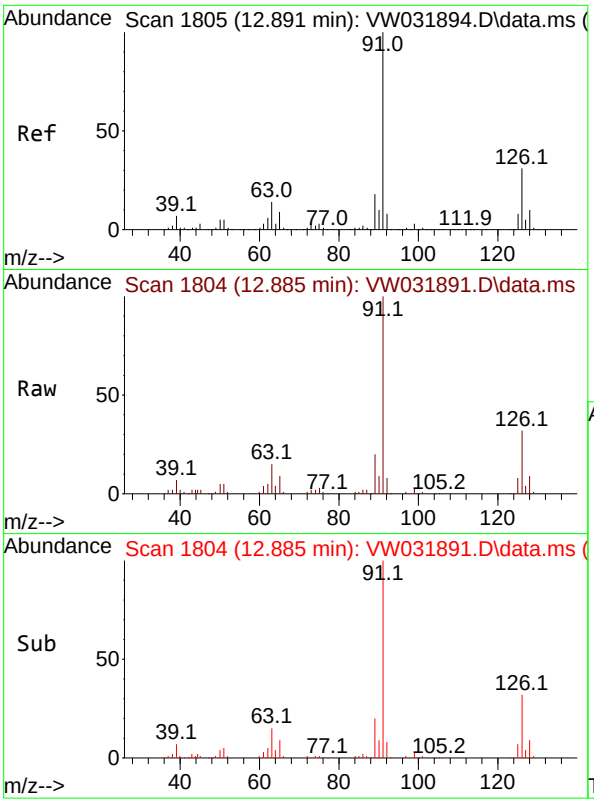


#78
n-propylbenzene
Concen: 5.008 ug/l
RT: 12.806 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 97940

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6



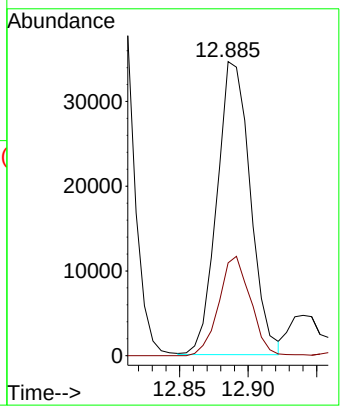


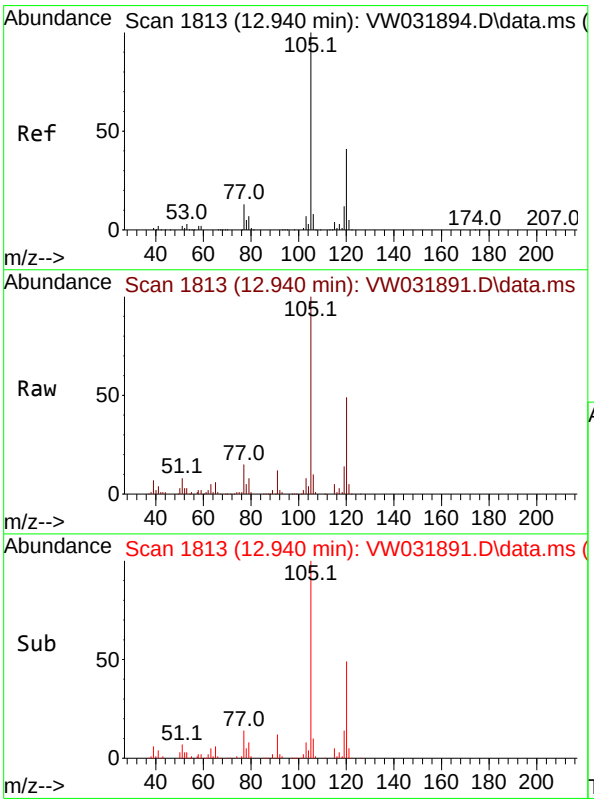
#79
2-Chlorotoluene
Concen: 5.023 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 58659

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.6	46.8

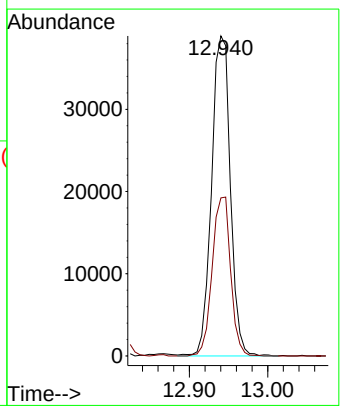


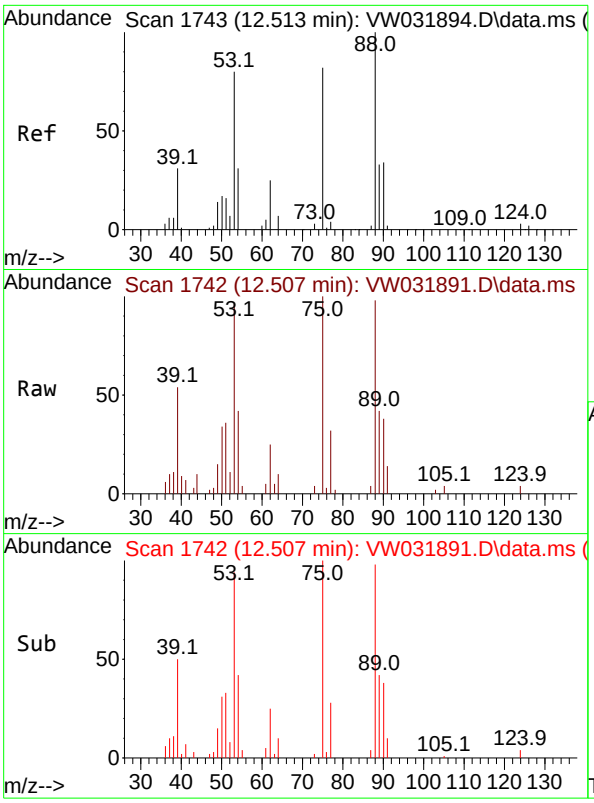


#80
1,3,5-Trimethylbenzene
Concen: 4.859 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:105 Resp: 64888

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.5	70.5



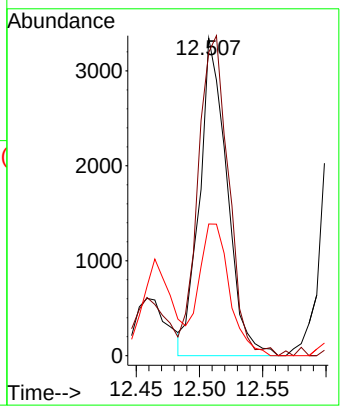


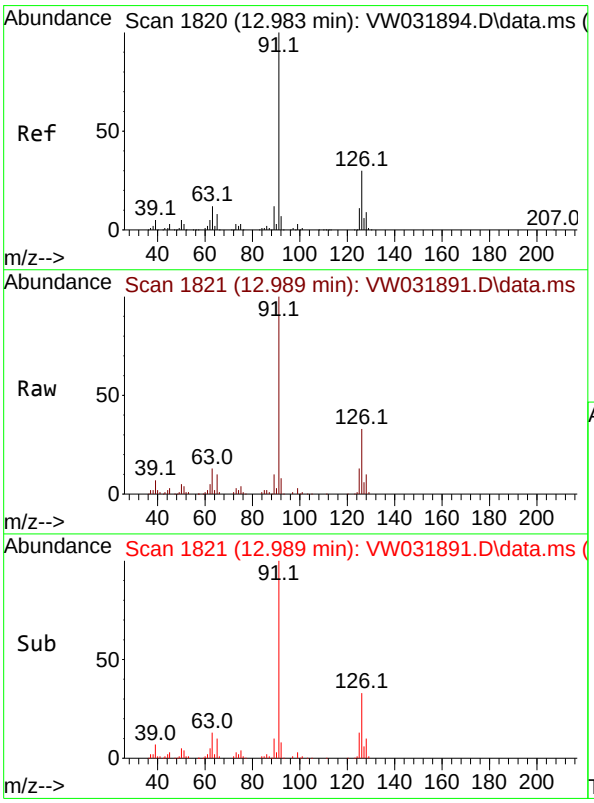
#81
trans-1,4-Dichloro-2-butene
Concen: 4.603 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5052

Ion	Ratio	Lower	Upper
75	100		
53	111.4	83.7	125.5
89	45.8	39.0	58.6

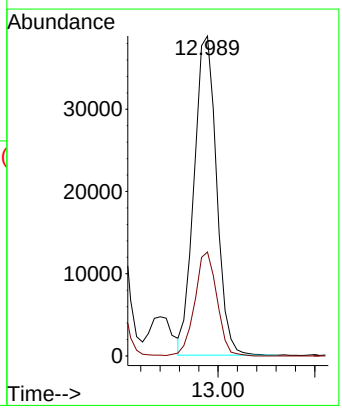


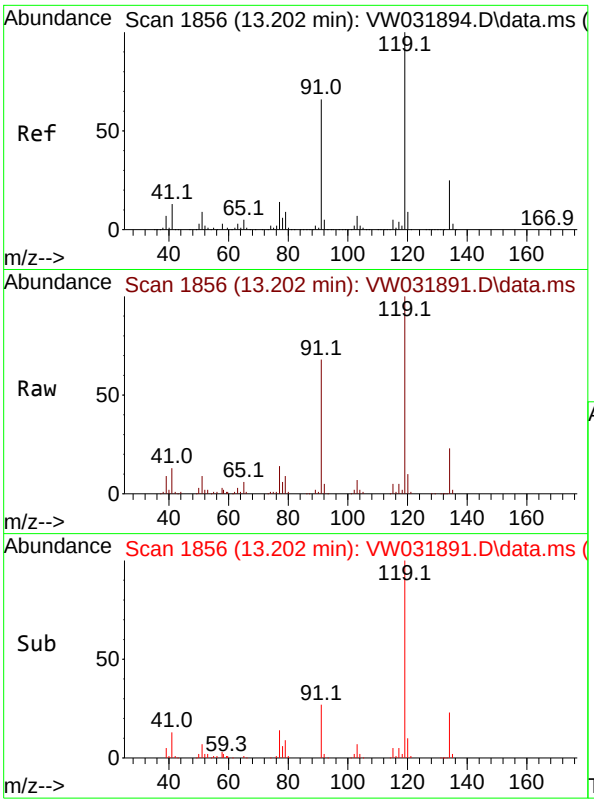


#82
4-Chlorotoluene
Concen: 5.115 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 91 Resp: 62666

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.8	47.3



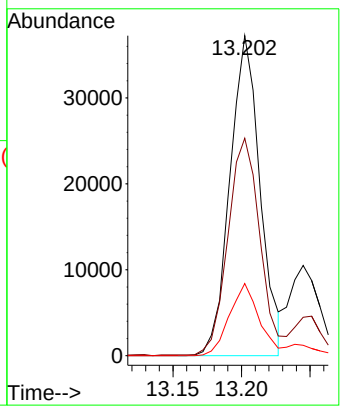


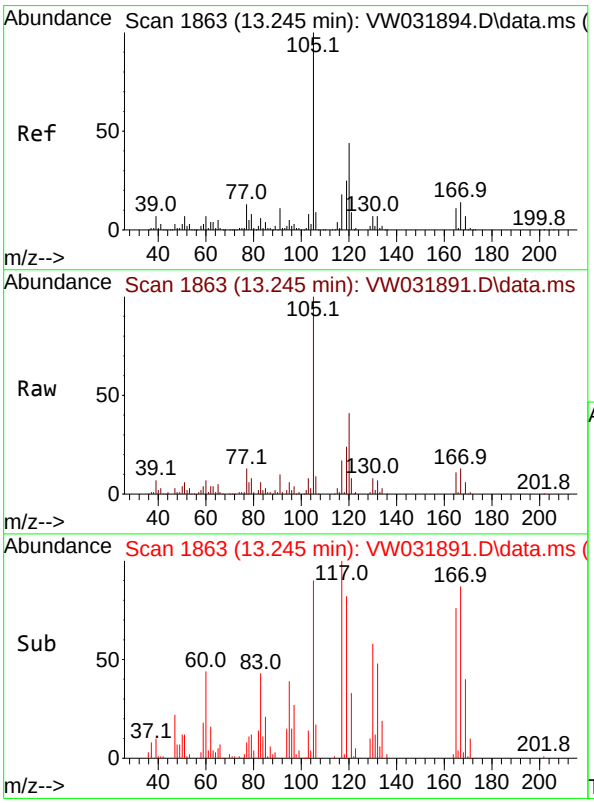
#83
tert-Butylbenzene
Concen: 5.009 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 56981

Ion	Ratio	Lower	Upper
119	100		
91	73.2	35.5	106.5
134	22.8	12.4	37.0

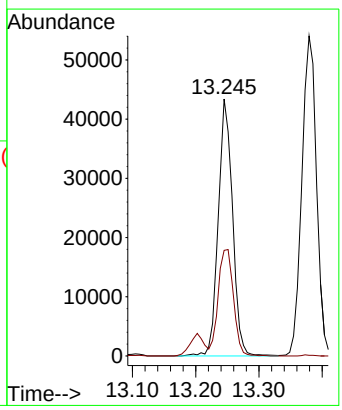


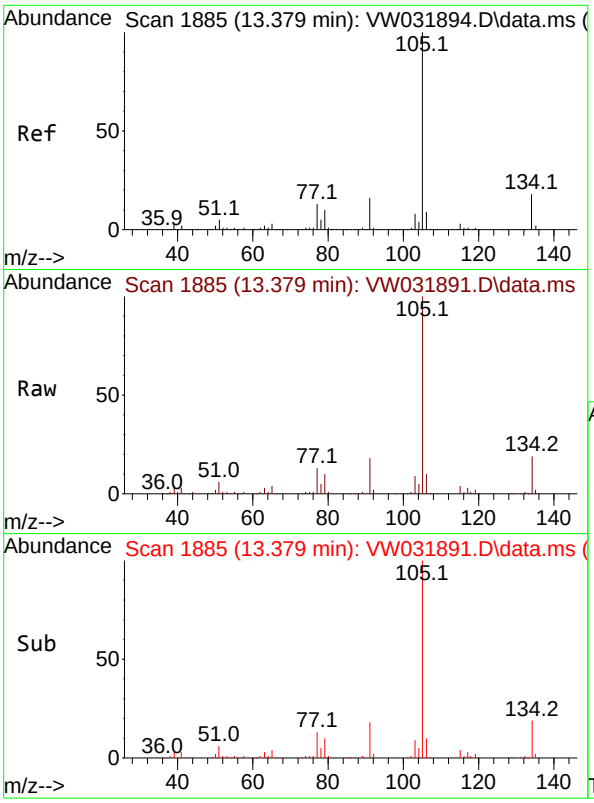


#84
1,2,4-Trimethylbenzene
Concen: 5.022 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:105 Resp: 67882

Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.3	63.9



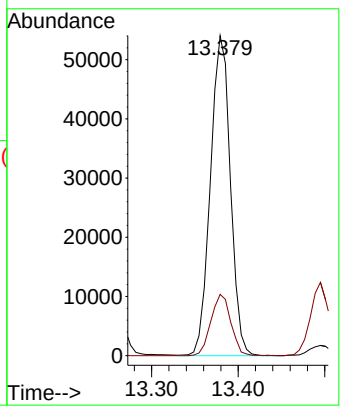


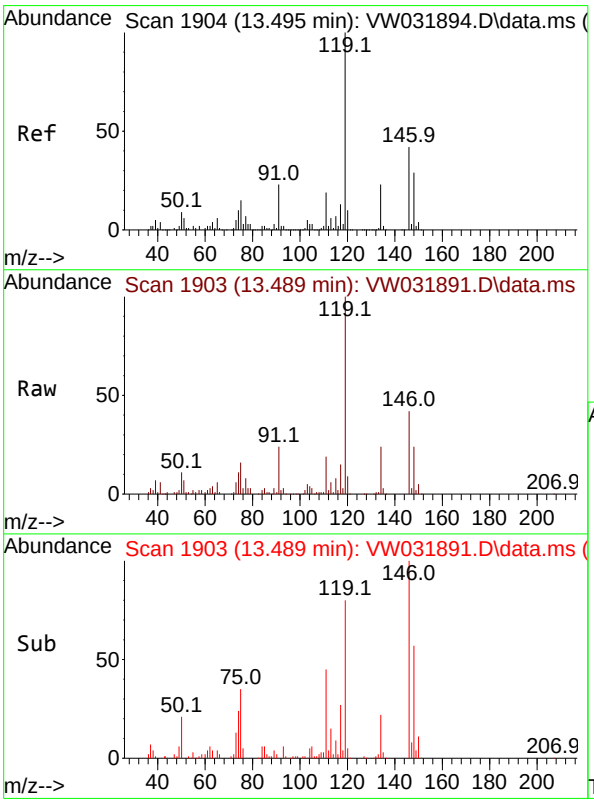
#85
sec-Butylbenzene
Concen: 5.066 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 86541

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.2	27.6

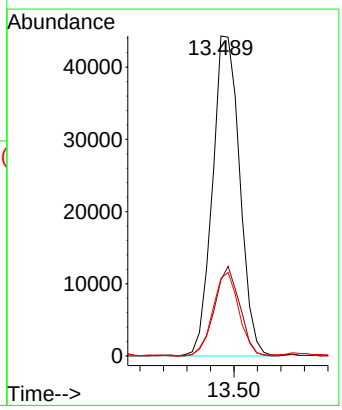


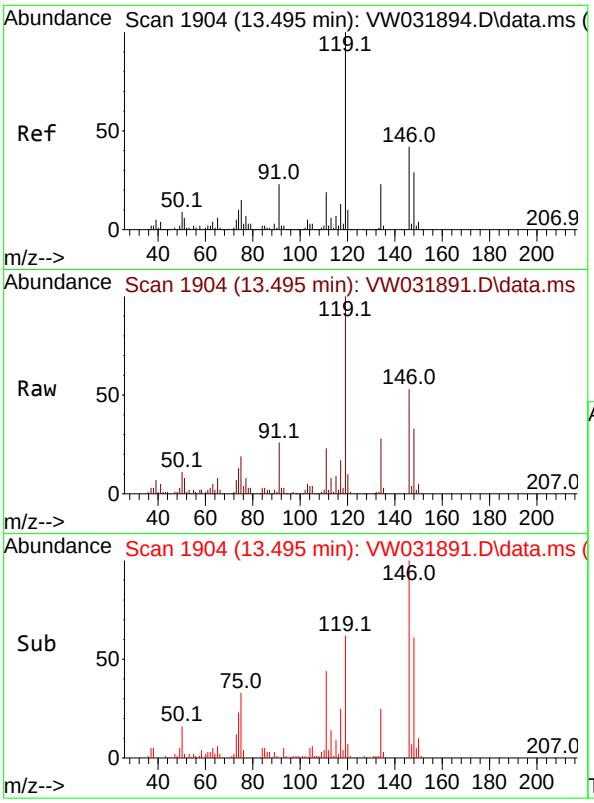


#86
p-Isopropyltoluene
Concen: 5.059 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:119 Resp: 71432

Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	25.0	12.7	38.1



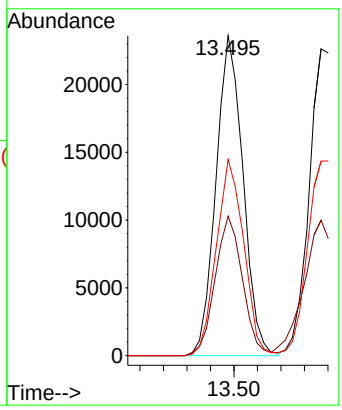


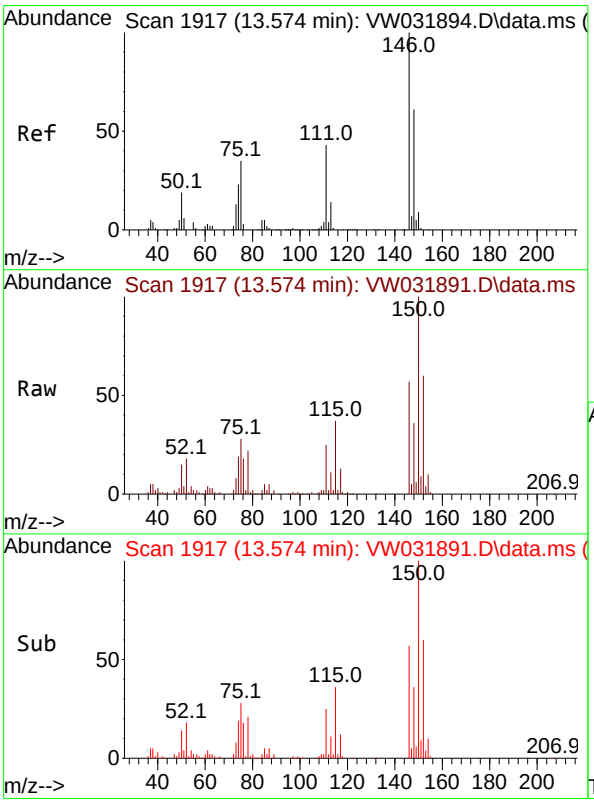
#87
1,3-Dichlorobenzene
Concen: 5.271 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 37803

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.7
148	61.9	31.9	95.5

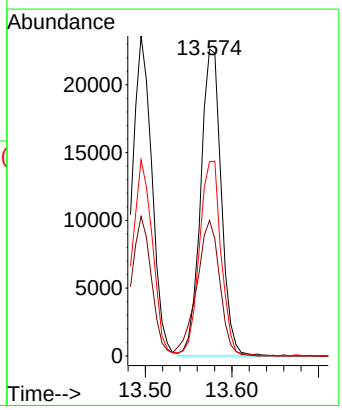


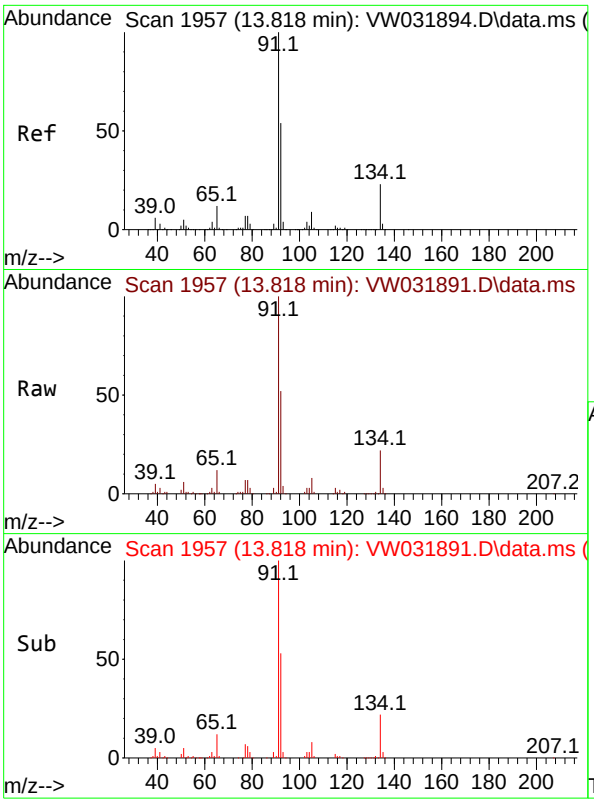


#88
1,4-Dichlorobenzene
Concen: 5.340 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:146 Resp: 37516

Ion	Ratio	Lower	Upper
146	100		
111	49.5	22.1	66.3
148	67.1	31.8	95.3



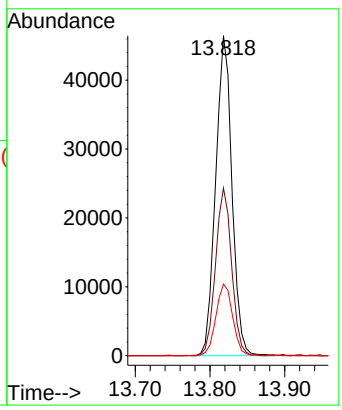


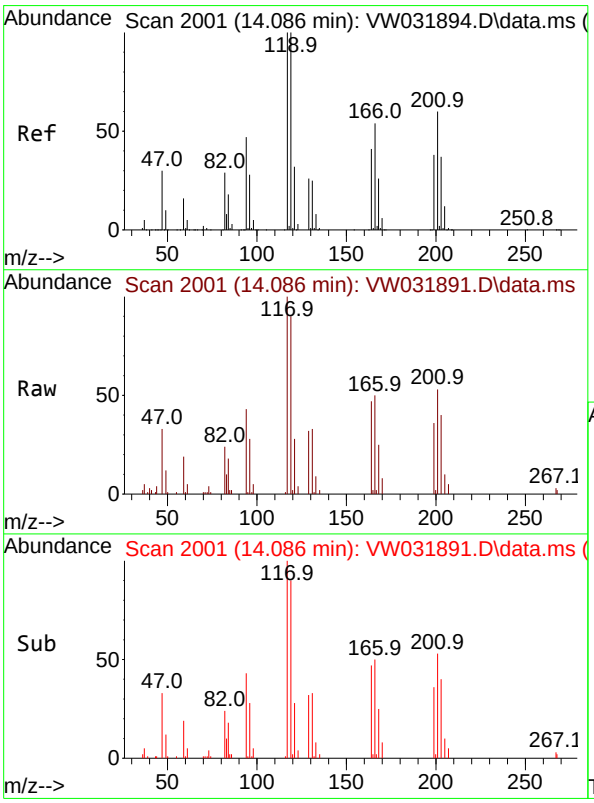
#89
n-Butylbenzene
Concen: 5.090 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 70505

Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.2	81.5
134	23.0	11.6	34.7

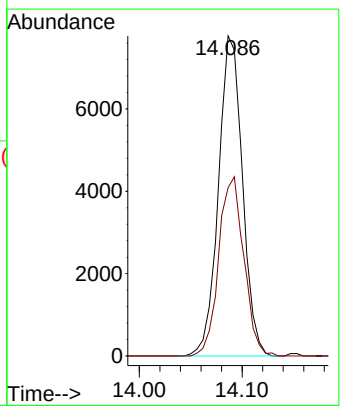


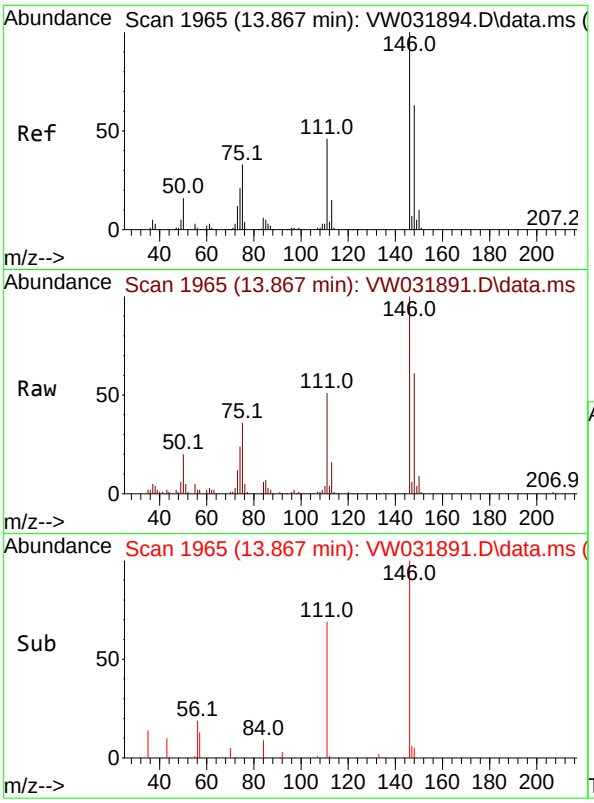


#90
Hexachloroethane
Concen: 5.154 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:117 Resp: 12586

Ion	Ratio	Lower	Upper
117	100		
201	58.5	28.4	85.2



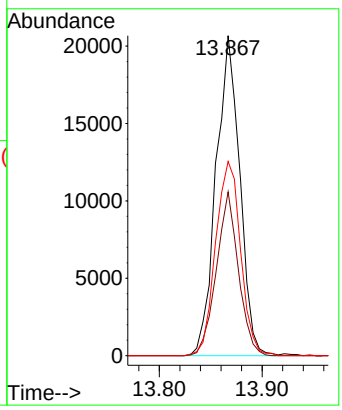


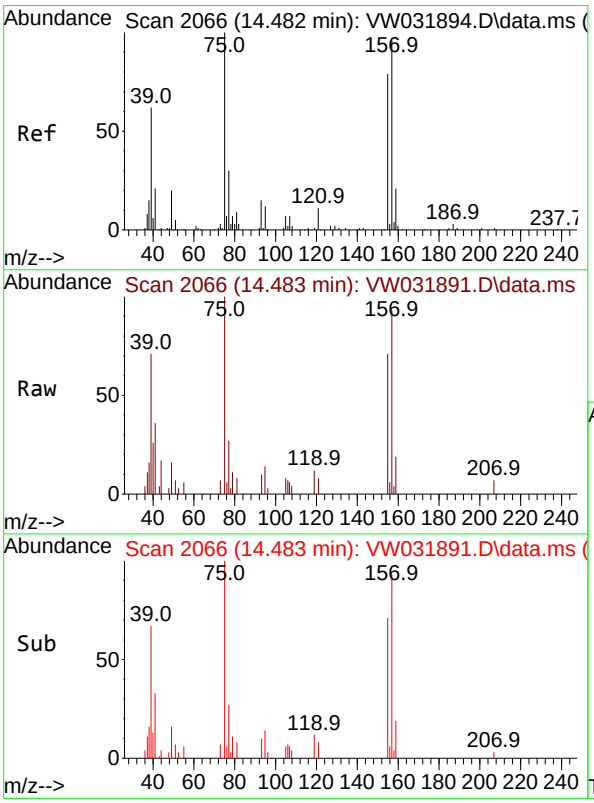
#91
1,2-Dichlorobenzene
Concen: 5.213 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 33137

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.6	71.0
148	63.8	32.4	97.2

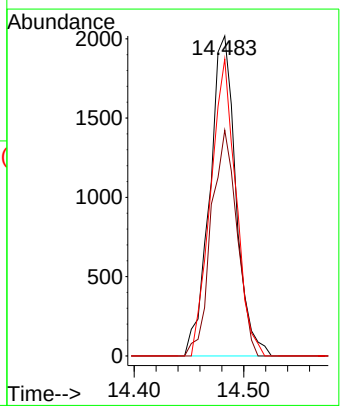


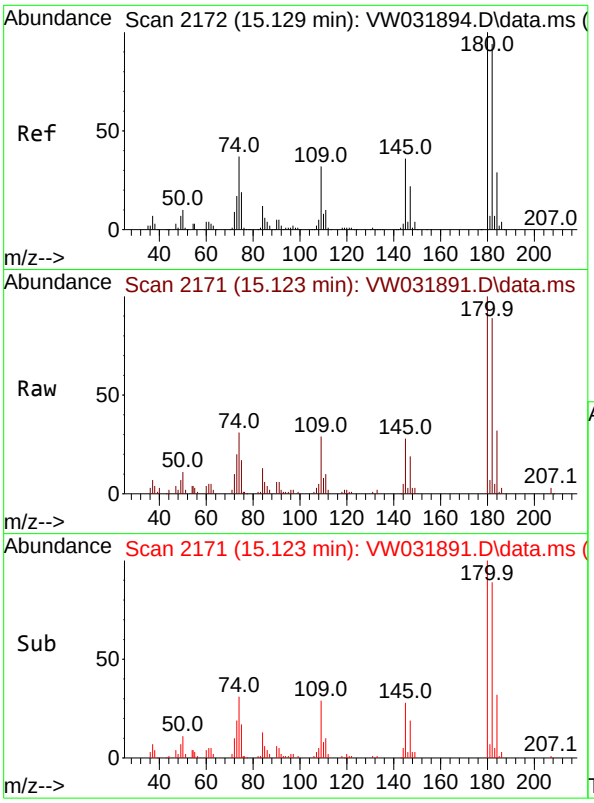


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.501 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion: 75 Resp: 3359

Ion	Ratio	Lower	Upper
75	100		
155	69.4	35.9	107.7
157	89.6	47.4	142.2



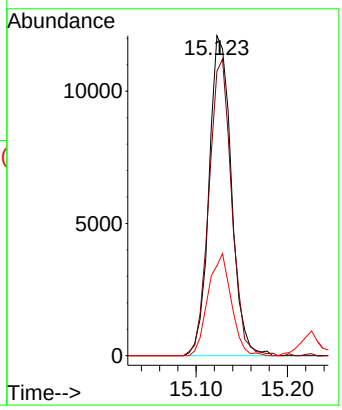


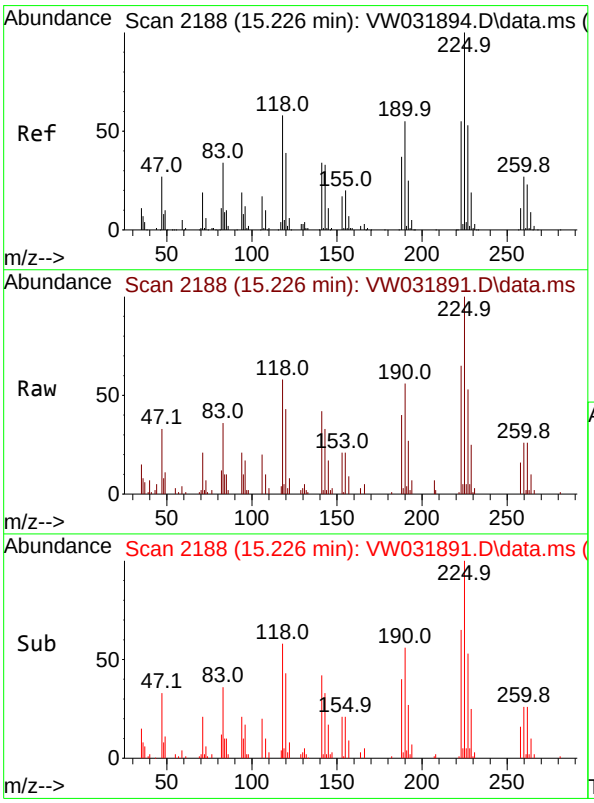
#93
1,2,4-Trichlorobenzene
Concen: 5.328 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 20425

Ion	Ratio	Lower	Upper
180	100		
182	94.4	51.0	153.1
145	33.2	18.4	55.4

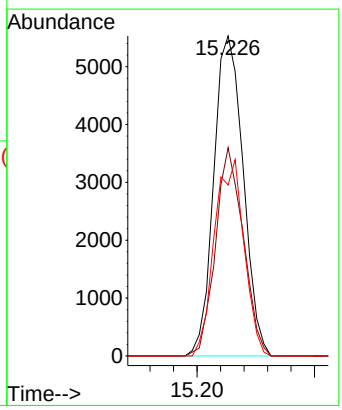


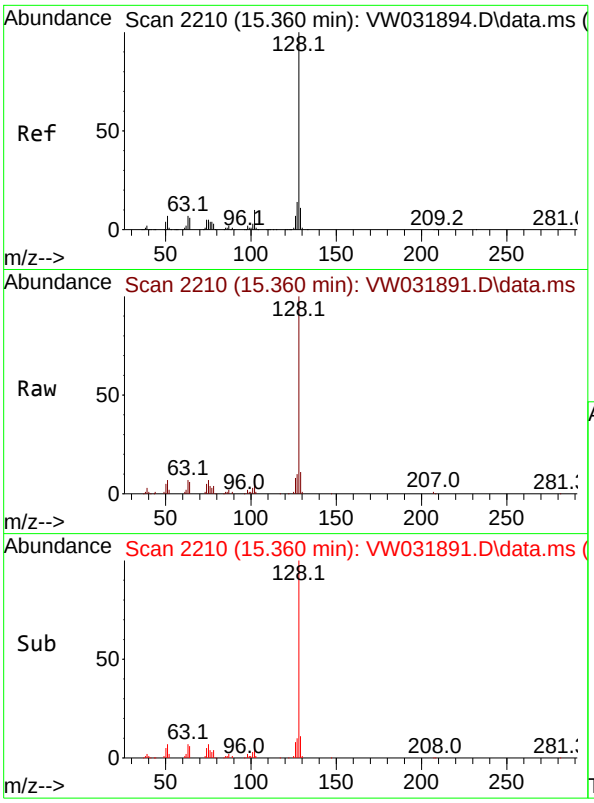


#94
Hexachlorobutadiene
Concen: 5.297 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:225 Resp: 9622

Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.7
227	61.6	30.0	90.1



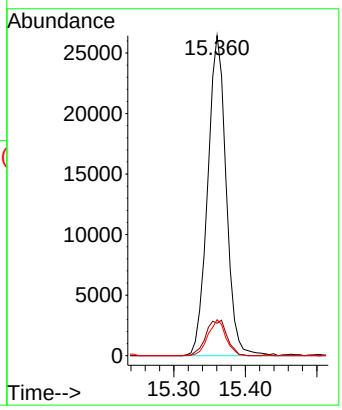


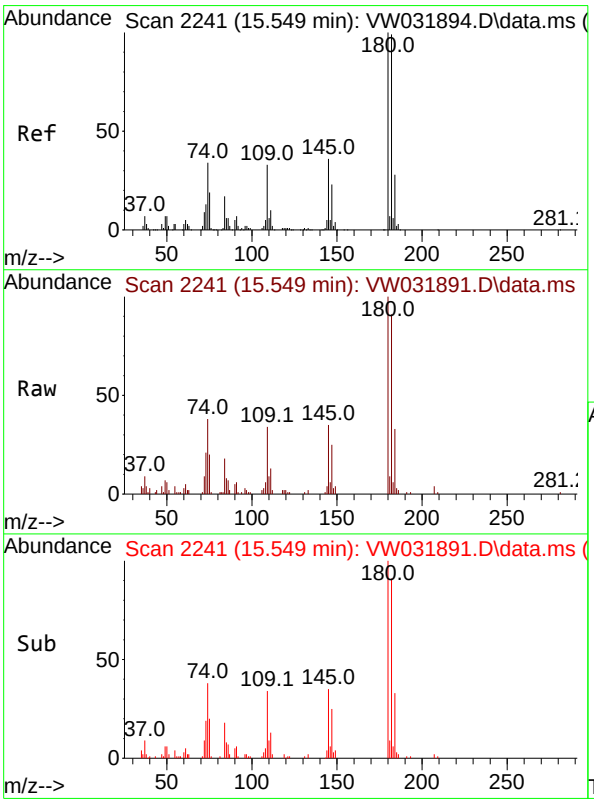
#95
Naphthalene
Concen: 5.027 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 47376

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.8	9.2	13.8

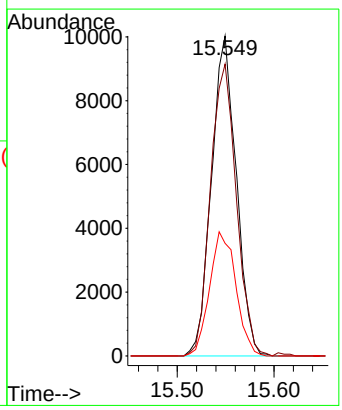




#96
1,2,3-Trichlorobenzene
Concen: 5.157 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031891.D
Acq: 22 Jul 2025 09:05

Tgt Ion:180 Resp: 17912

Ion	Ratio	Lower	Upper
180	100		
182	94.9	50.4	151.2
145	41.1	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	231127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	416059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	34413	9.843	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	19.680%#		
35) Dibromofluoromethane	7.898	113	29377	10.391	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.780%#		
50) Toluene-d8	10.325	98	108902	10.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.360%#		
62) 4-Bromofluorobenzene	12.617	95	42871	10.434	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	16819	9.791	ug/l	90
3) Chloromethane	2.253	50	21940	9.951	ug/l	99
4) Vinyl Chloride	2.405	62	28422	9.924	ug/l	95
5) Bromomethane	2.826	94	20976	9.946	ug/l	92
6) Chloroethane	2.972	64	18282	9.672	ug/l	95
7) Trichlorofluoromethane	3.308	101	25531	8.801	ug/l	93
8) Diethyl Ether	3.722	74	17727	9.148	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	27862	9.986	ug/l	100
10) Methyl Iodide	4.313	142	40718	9.760	ug/l	99
11) Tert butyl alcohol	5.222	59	9045	44.010	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	30316	9.837	ug/l	94
13) Acrolein	3.929	56	16101	48.430	ug/l	100
14) Allyl chloride	4.704	41	45698	9.525	ug/l	99
15) Acrylonitrile	5.405	53	39188	45.235	ug/l	97
16) Acetone	4.167	43	43690	52.659	ug/l	96
17) Carbon Disulfide	4.417	76	75927	9.499	ug/l	97
18) Methyl Acetate	4.710	43	19716	8.625	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	51288	9.632	ug/l	99
20) Methylene Chloride	4.954	84	43038	8.241	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	31392	9.600	ug/l	97
22) Diisopropyl ether	6.344	45	90747	9.453	ug/l	98
23) Vinyl Acetate	6.283	43	284185	45.312	ug/l	98
24) 1,1-Dichloroethane	6.246	63	58334	9.760	ug/l	98
25) 2-Butanone	7.197	43	53335	46.984	ug/l	100
26) 2,2-Dichloropropane	7.191	77	32523	9.611	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	36460	9.485	ug/l	98
28) Bromochloromethane	7.526	49	24018	9.597	ug/l	97
29) Tetrahydrofuran	7.551	42	33119	44.500	ug/l	98
30) Chloroform	7.691	83	61757	9.854	ug/l	98
31) Cyclohexane	7.971	56	54338	10.133	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	46989	9.853	ug/l	98
36) 1,1-Dichloropropene	8.093	75	44218	10.184	ug/l	99
37) Ethyl Acetate	7.270	43	23295	9.405	ug/l	99
38) Carbon Tetrachloride	8.081	117	41429	9.943	ug/l	98
39) Methylcyclohexane	9.343	83	53466	9.785	ug/l	95
40) Benzene	8.337	78	128121	9.969	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	12233	8.385	ug/l		91
42) 1,2-Dichloroethane	8.410	62	40250	9.785	ug/l		99
43) Isopropyl Acetate	8.435	43	40842	9.109	ug/l		99
44) Trichloroethene	9.099	130	30934	10.126	ug/l		94
45) 1,2-Dichloropropane	9.374	63	30529	9.863	ug/l		93
46) Dibromomethane	9.465	93	18831	9.814	ug/l		96
47) Bromodichloromethane	9.648	83	45402	9.868	ug/l		98
48) Methyl methacrylate	9.441	41	19089	8.949	ug/l		99
49) 1,4-Dioxane	9.471	88	3526	184.165	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.215	43	112498	45.845	ug/l		98
52) Toluene	10.392	92	83069	10.054	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	41264	9.349	ug/l		96
54) cis-1,3-Dichloropropene	10.081	75	48135	9.550	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	24676	9.682	ug/l		95
56) Ethyl methacrylate	10.648	69	32317	8.978	ug/l		99
57) 1,3-Dichloropropane	10.934	76	43658	9.723	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	85410	46.194	ug/l		100
59) 2-Hexanone	10.971	43	78182	45.837	ug/l		99
60) Dibromochloromethane	11.129	129	28189	9.486	ug/l		99
61) 1,2-Dibromoethane	11.239	107	24219	9.617	ug/l		99
64) Tetrachloroethene	10.861	164	24918	10.138	ug/l		96
65) Chlorobenzene	11.660	112	91460	10.024	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	27287	9.647	ug/l		98
67) Ethyl Benzene	11.733	91	157107	9.801	ug/l		100
68) m/p-Xylenes	11.843	106	119437	19.791	ug/l		97
69) o-Xylene	12.166	106	55307	9.684	ug/l		98
70) Styrene	12.178	104	93933	9.660	ug/l		99
71) Bromoform	12.349	173	13549	8.759	ug/l	#	97
73) Isopropylbenzene	12.458	105	147152	9.698	ug/l		100
74) N-amyl acetate	12.269	43	35992	8.774	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29777	9.245	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	37743	15.764	ug/l	#	100
77) Bromobenzene	12.739	156	31681	9.650	ug/l		98
78) n-propylbenzene	12.800	91	180937	9.709	ug/l		98
79) 2-Chlorotoluene	12.891	91	108108	9.716	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	122504	9.626	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	8950	8.558	ug/l		94
82) 4-Chlorotoluene	12.983	91	117523	10.068	ug/l		98
83) tert-Butylbenzene	13.202	119	104397	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	127309	9.883	ug/l		100
85) sec-Butylbenzene	13.379	105	160534	9.861	ug/l		100
86) p-Isopropyltoluene	13.495	119	131018	9.737	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	66474	9.727	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	66689	9.961	ug/l		97
89) n-Butylbenzene	13.818	91	125846	9.534	ug/l		99
90) Hexachloroethane	14.086	117	21002	9.026	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	59263	9.785	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5072	8.716	ug/l		95
93) 1,2,4-Trichlorobenzene	15.129	180	33290	9.114	ug/l		99
94) Hexachlorobutadiene	15.226	225	16064	9.281	ug/l		93
95) Naphthalene	15.360	128	78956	8.792	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	31394	9.486	ug/l		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

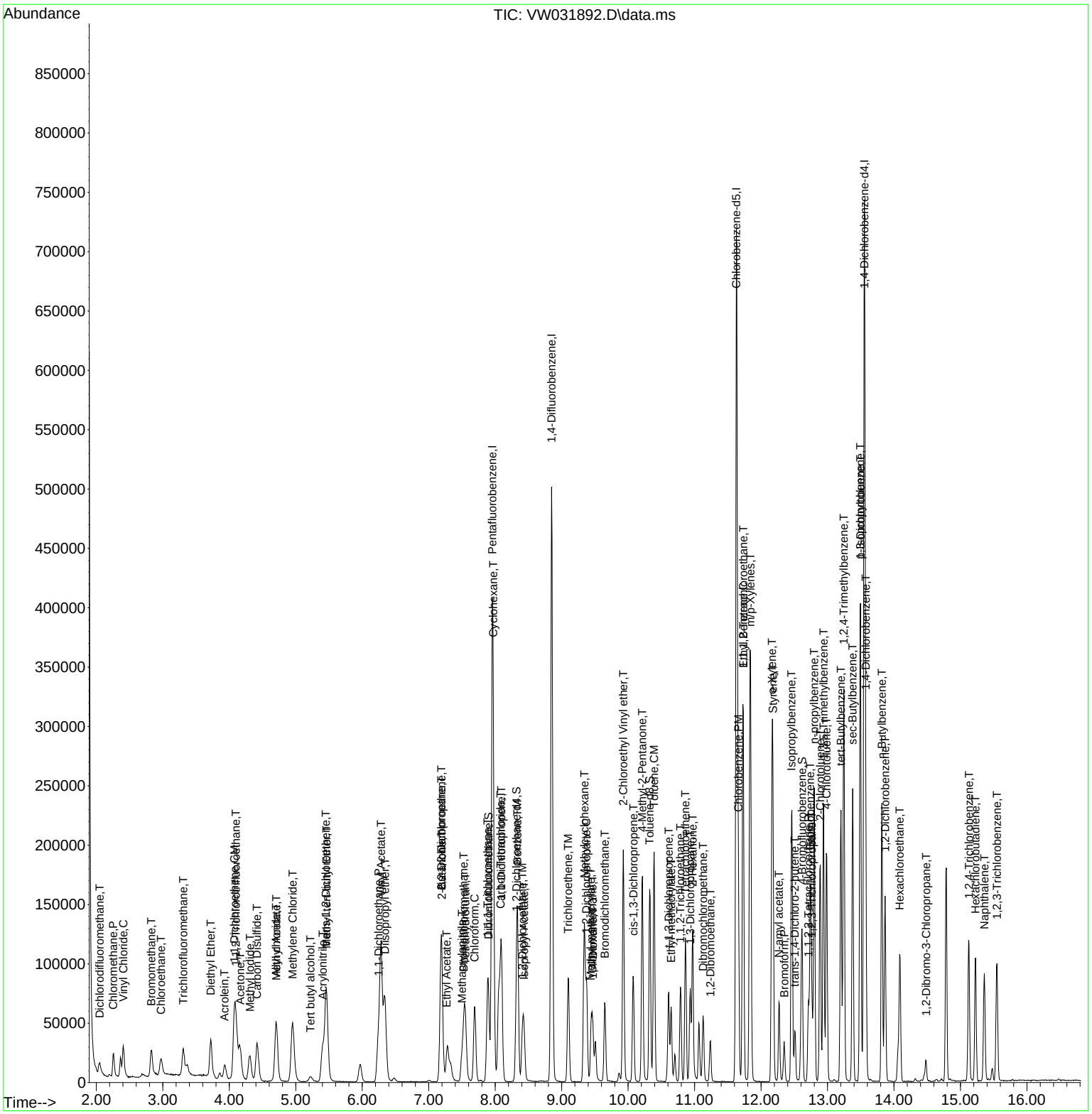
(#) = qualifier out of range (m) = manual integration (+) = signals summed

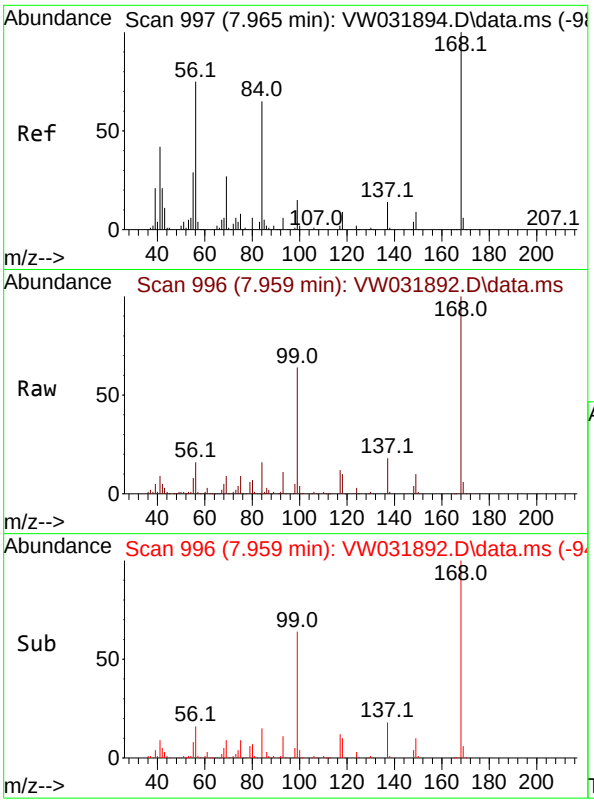
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



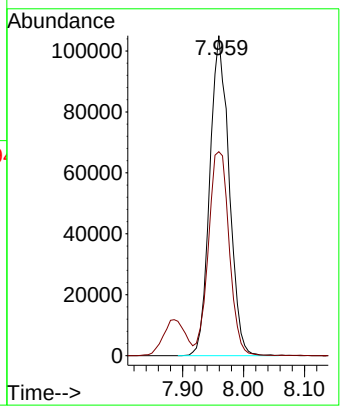


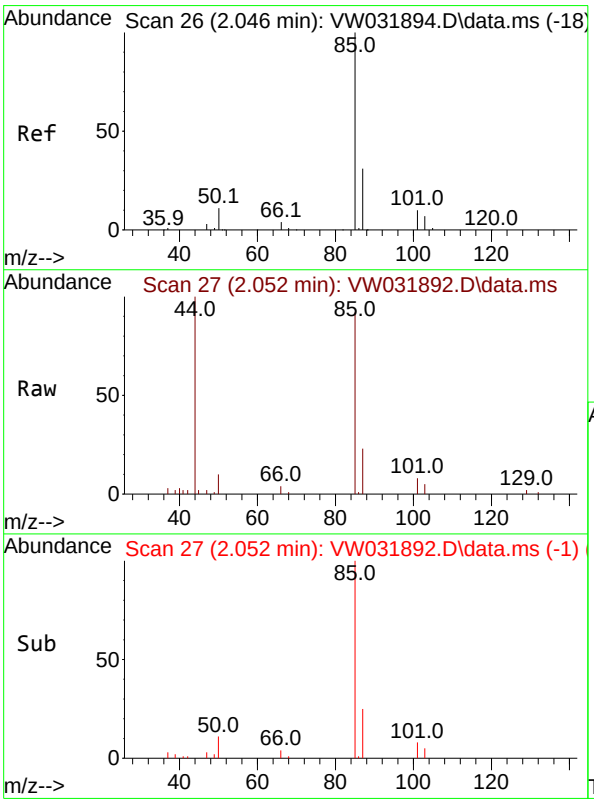
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 231127

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.2	72.2

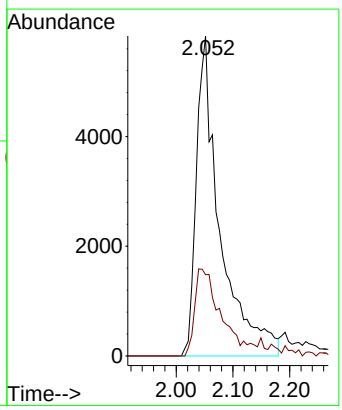


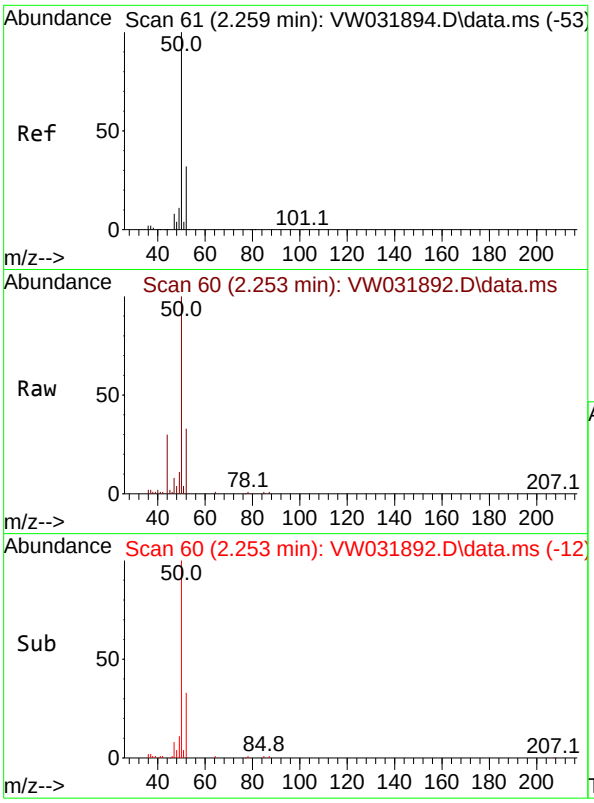


#2
Dichlorodifluoromethane
Concen: 9.791 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 85 Resp: 16819

Ion	Ratio	Lower	Upper
85	100		
87	25.4	15.5	46.5



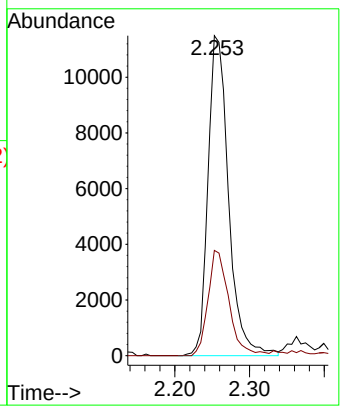


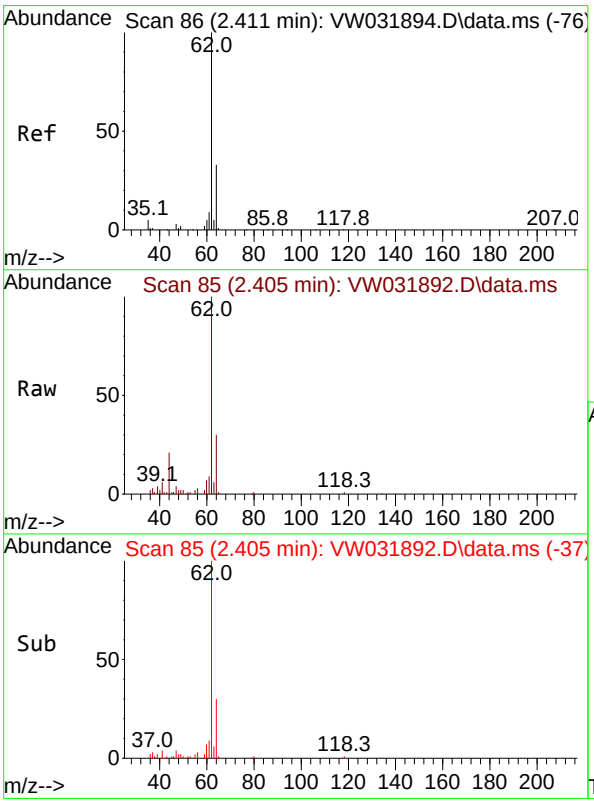
#3
Chloromethane
Concen: 9.951 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 21940

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5

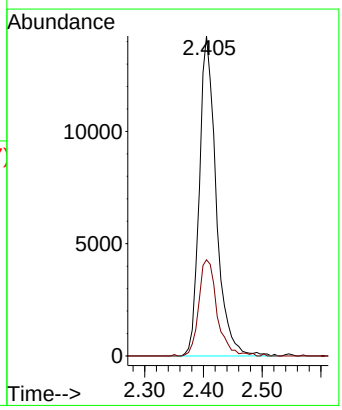


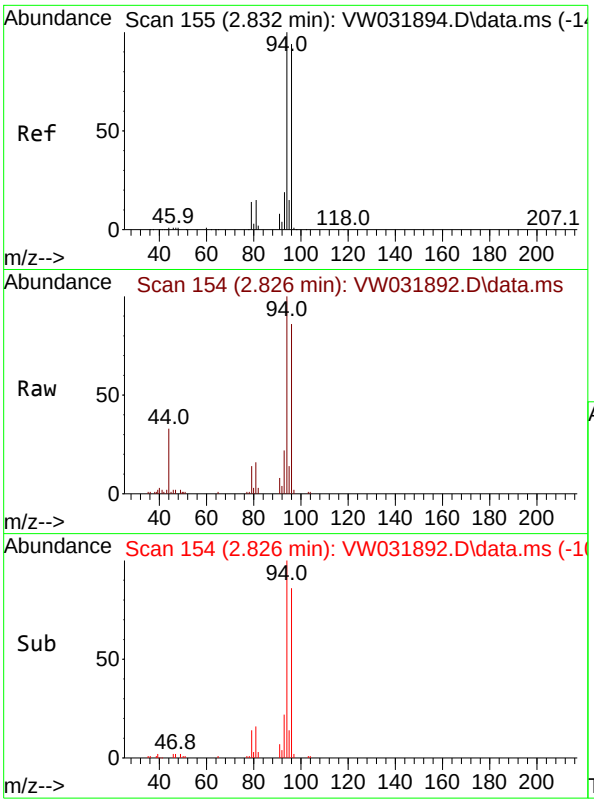


#4
Vinyl Chloride
Concen: 9.924 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 62 Resp: 28422

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.2	39.2



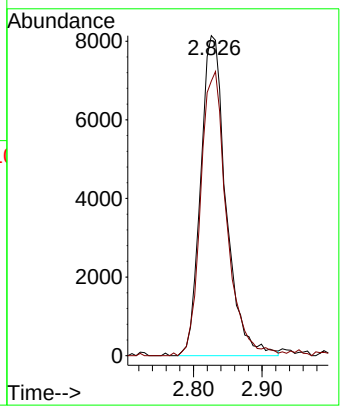


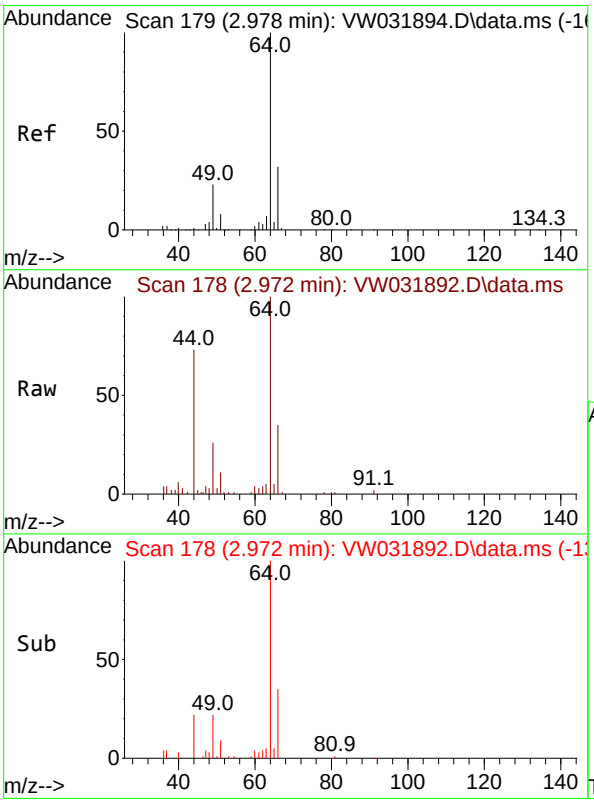
#5
Bromomethane
Concen: 9.946 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 20976

Ion	Ratio	Lower	Upper
94	100		
96	85.8	75.0	112.6

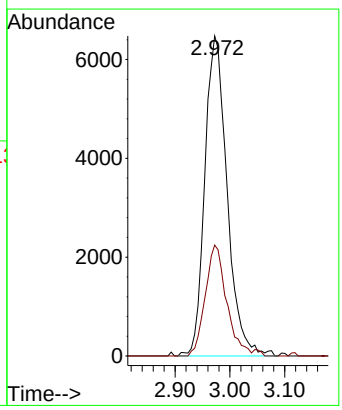


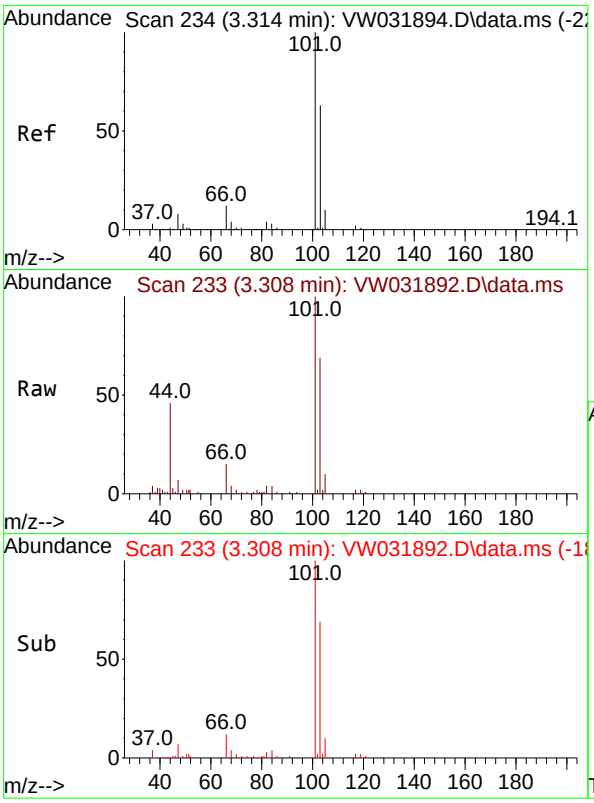


#6
Chloroethane
Concen: 9.672 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 64 Resp: 18282

Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.6	38.4



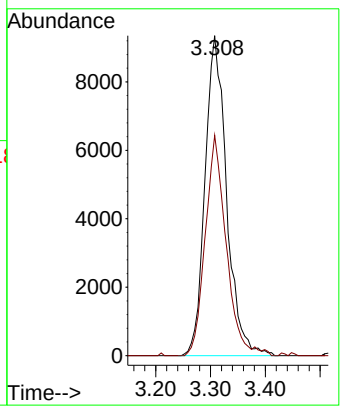


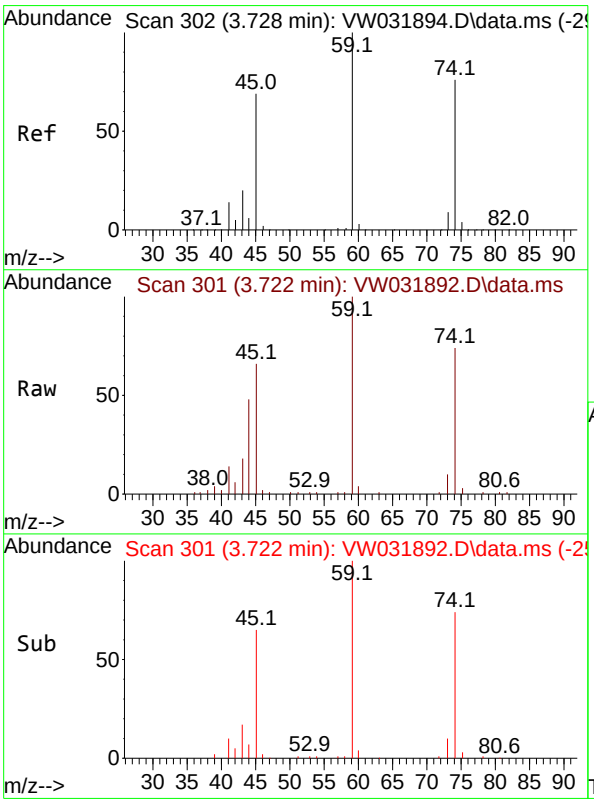
#7
Trichlorofluoromethane
Concen: 8.801 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 25531

Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.7	76.1

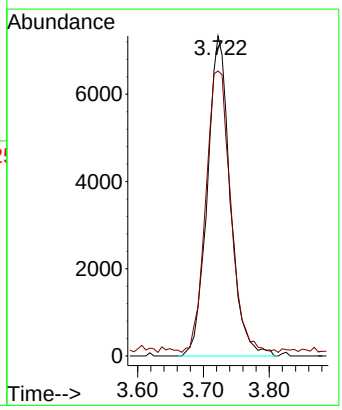


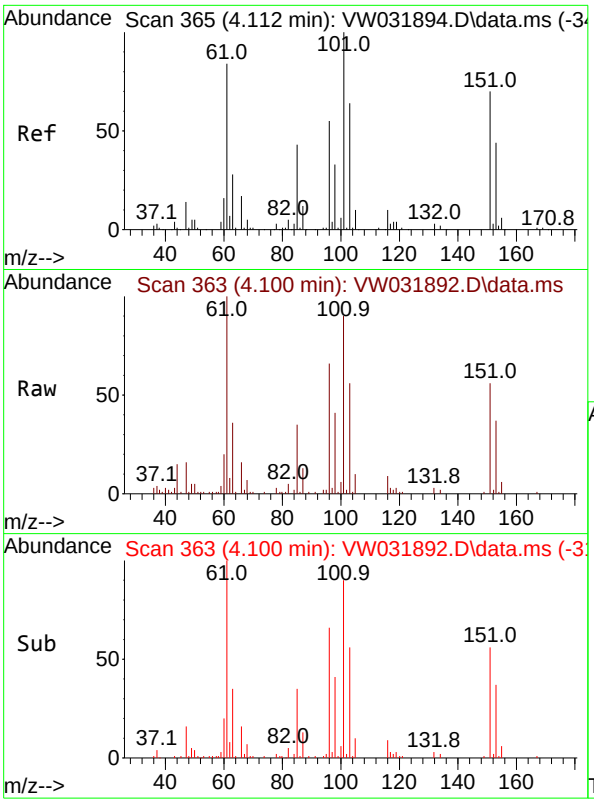


#8
Diethyl Ether
Concen: 9.148 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 74 Resp: 17727

Ion	Ratio	Lower	Upper
74	100		
45	95.5	45.5	136.5



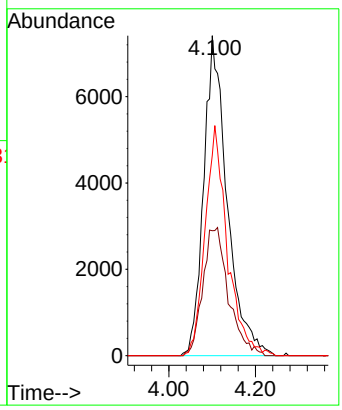


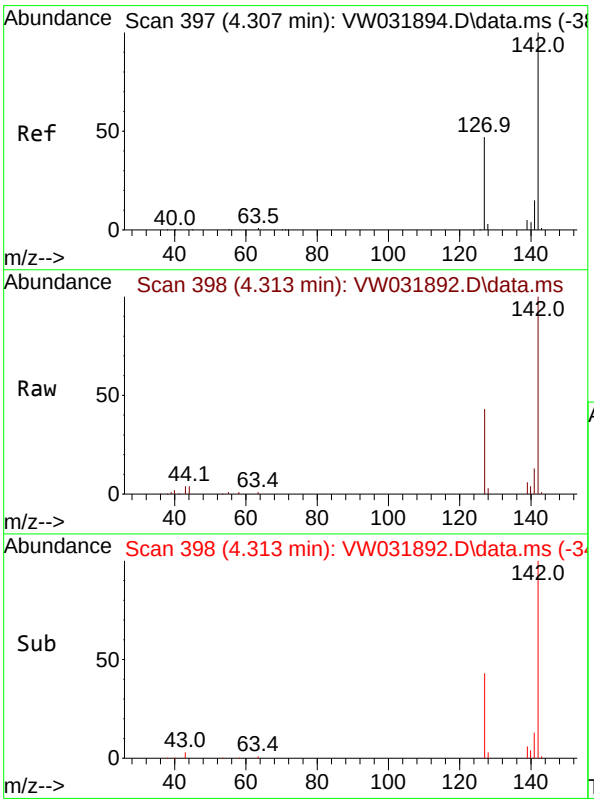
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.986 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 27862

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.5	53.3
151	68.4	54.6	81.8

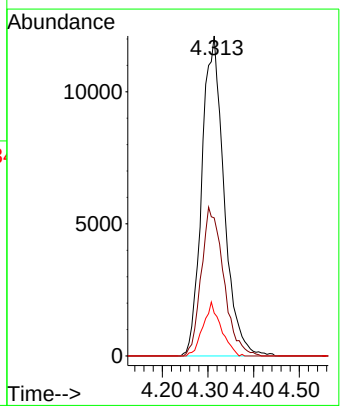


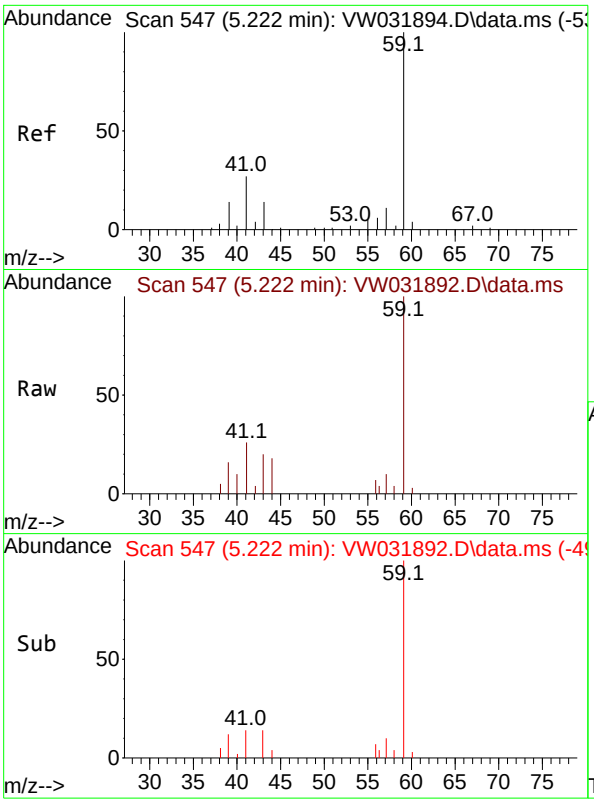


#10
Methyl Iodide
Concen: 9.760 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:142 Resp: 40718

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.4	56.2
141	13.8	11.9	17.9



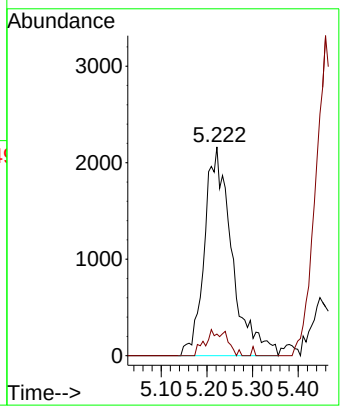


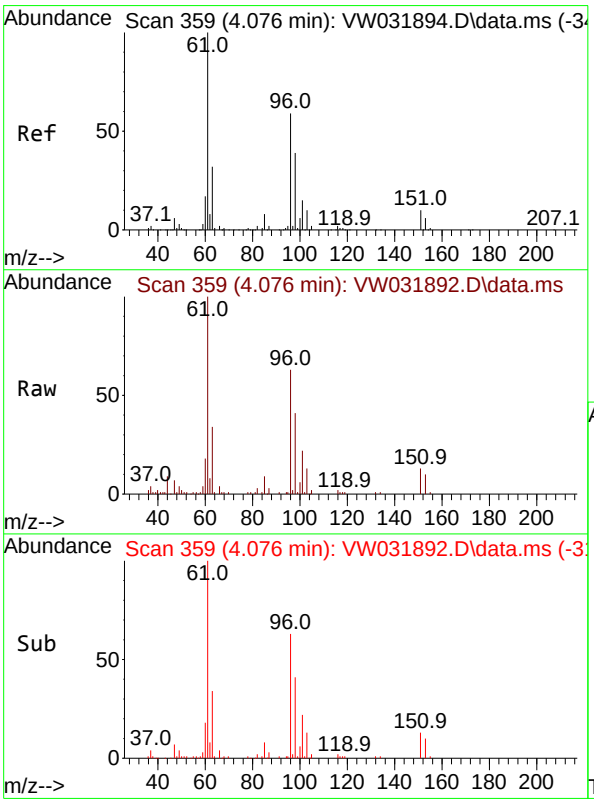
#11
Tert butyl alcohol
Concen: 44.010 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 9045

Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.6	12.8#

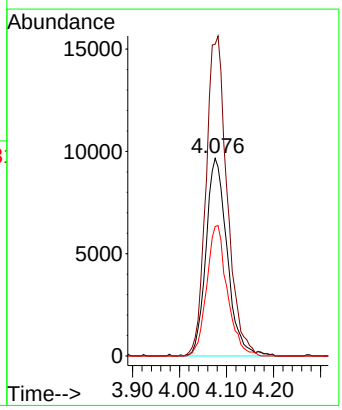


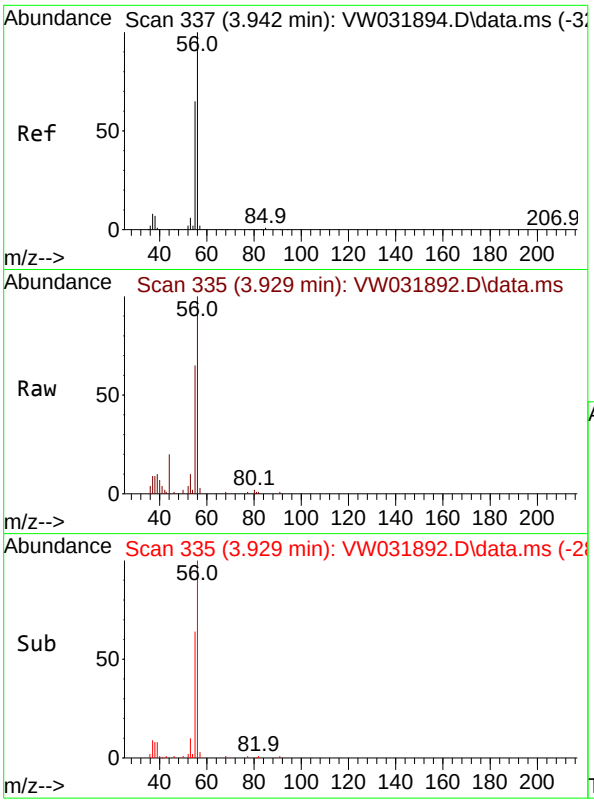


#12
1,1-Dichloroethene
Concen: 9.837 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 96 Resp: 30316

Ion	Ratio	Lower	Upper
96	100		
61	157.7	135.0	202.6
98	65.5	52.3	78.5



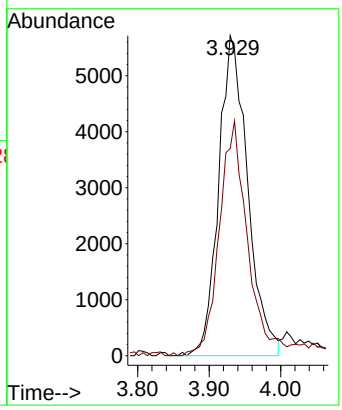


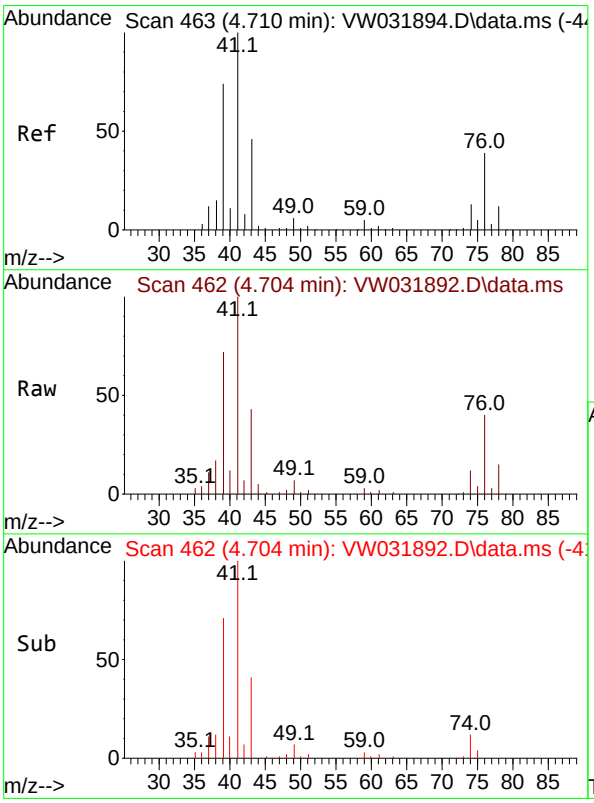
#13
Acrolein
Concen: 48.430 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 16101

Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.7	85.1

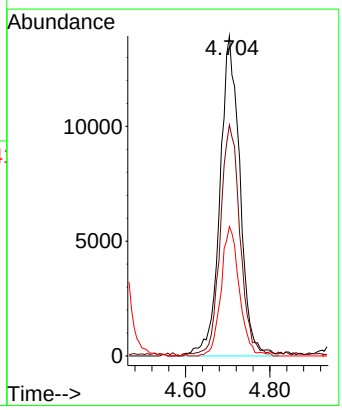


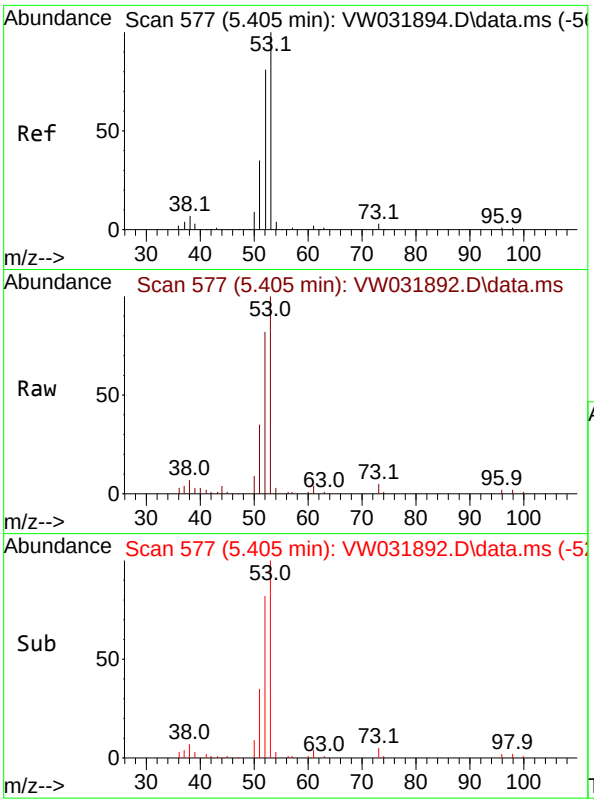


#14
Allyl chloride
Concen: 9.525 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 41 Resp: 45698

Ion	Ratio	Lower	Upper
41	100		
39	72.2	56.6	85.0
76	37.0	30.1	45.1



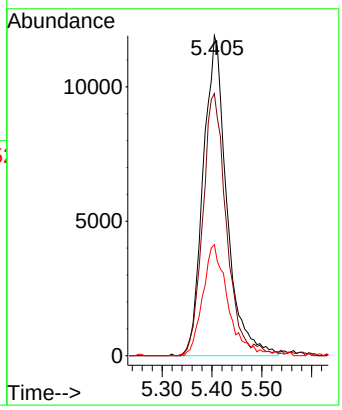


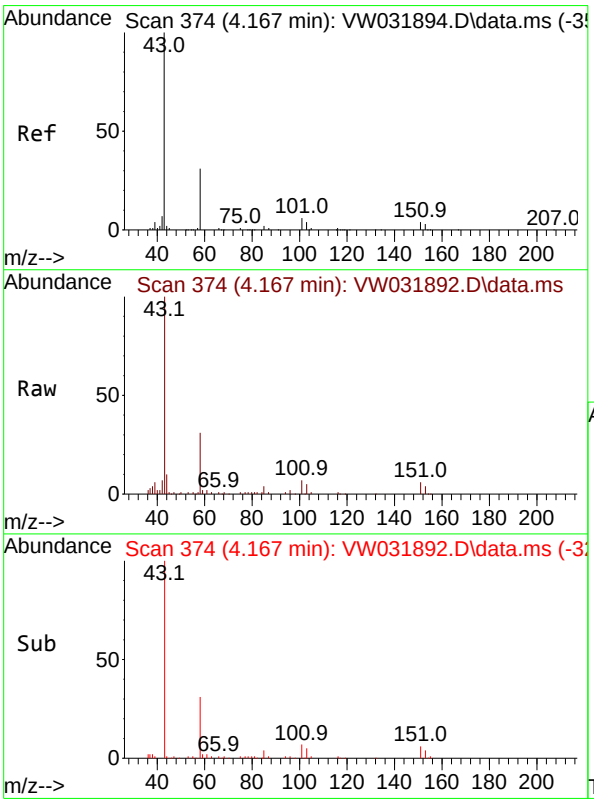
#15
Acrylonitrile
Concen: 45.235 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 39188

Ion	Ratio	Lower	Upper
53	100		
52	80.2	67.0	100.4
51	37.3	29.9	44.9

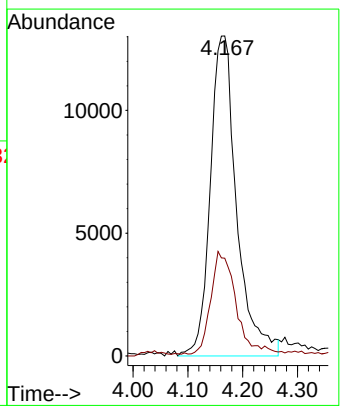


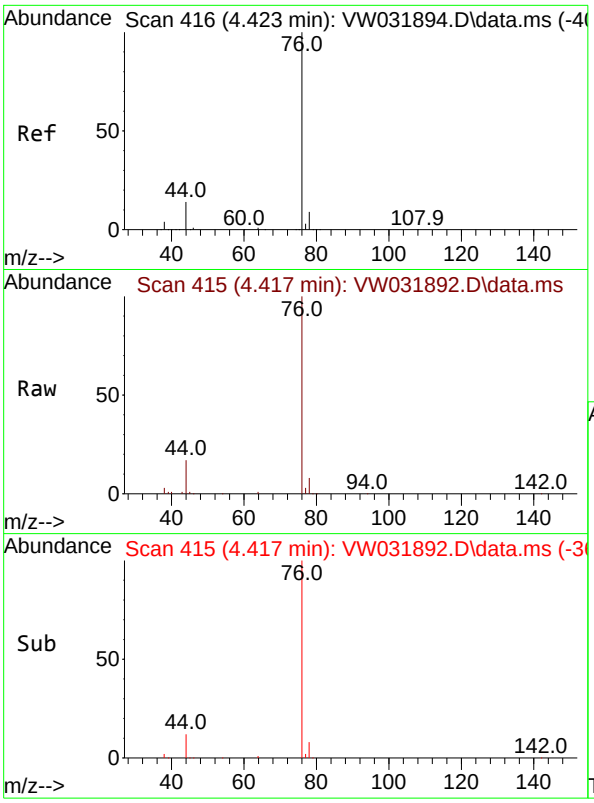


#16
Acetone
Concen: 52.659 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 43690

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.5	38.3



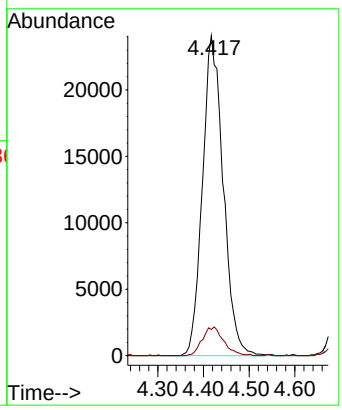


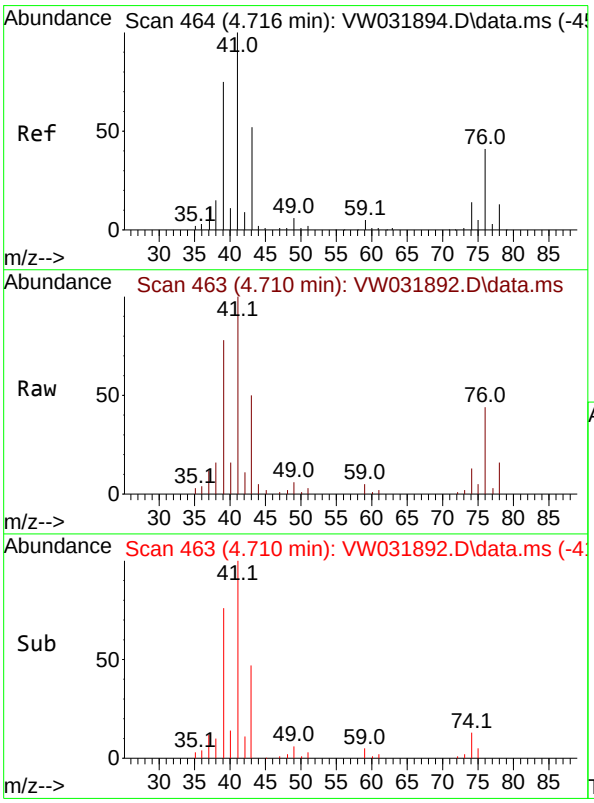
#17
Carbon Disulfide
Concen: 9.499 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 75927

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3

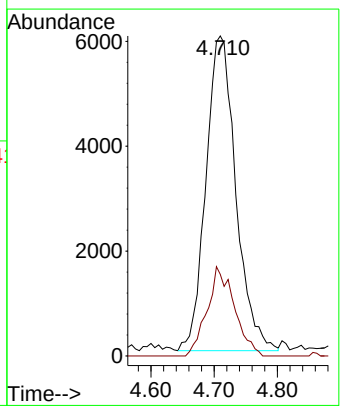


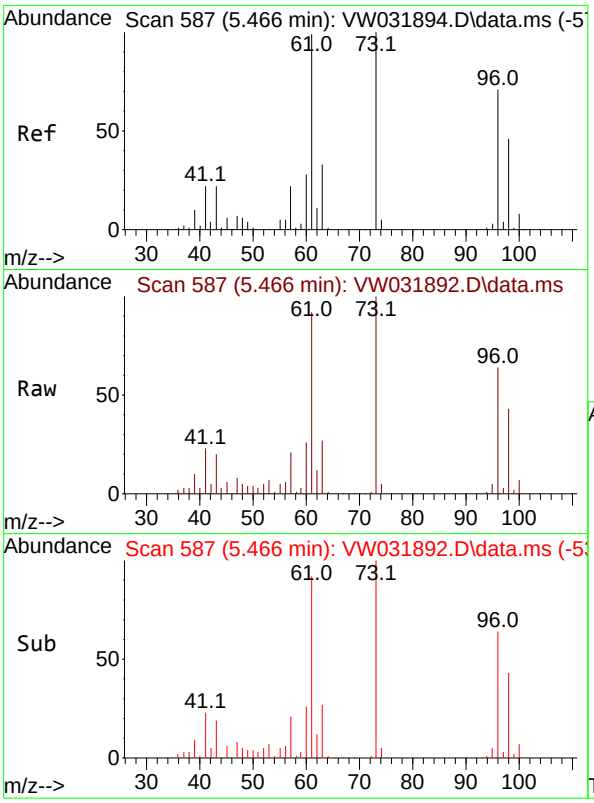


#18
Methyl Acetate
Concen: 8.625 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 19716

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	31.0



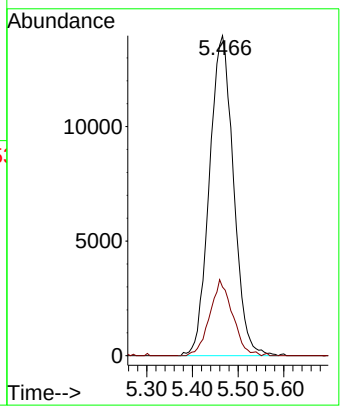


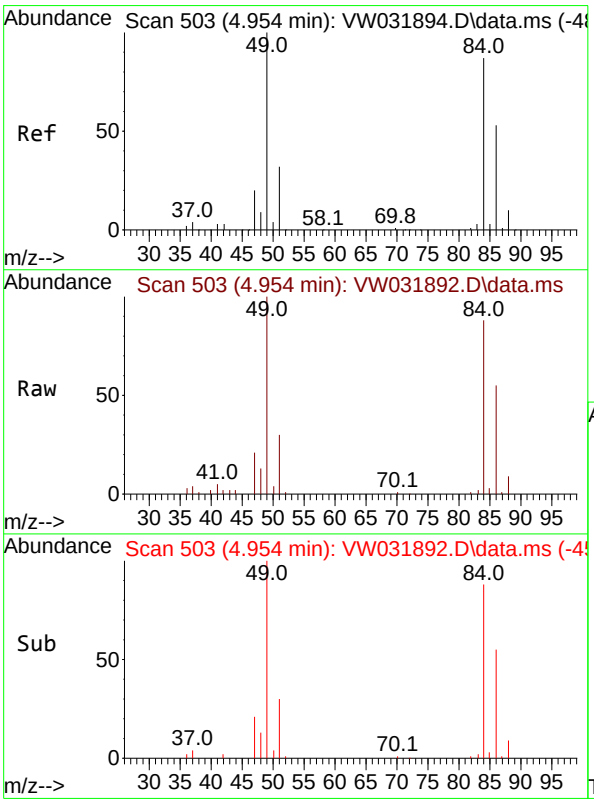
#19
Methyl tert-butyl Ether
Concen: 9.632 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 51288

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.5	26.3

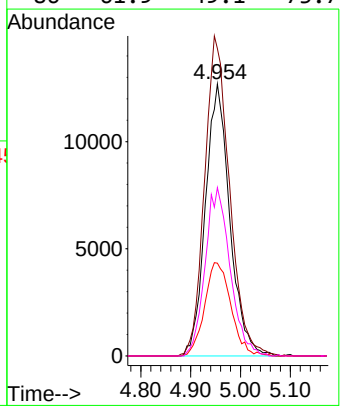


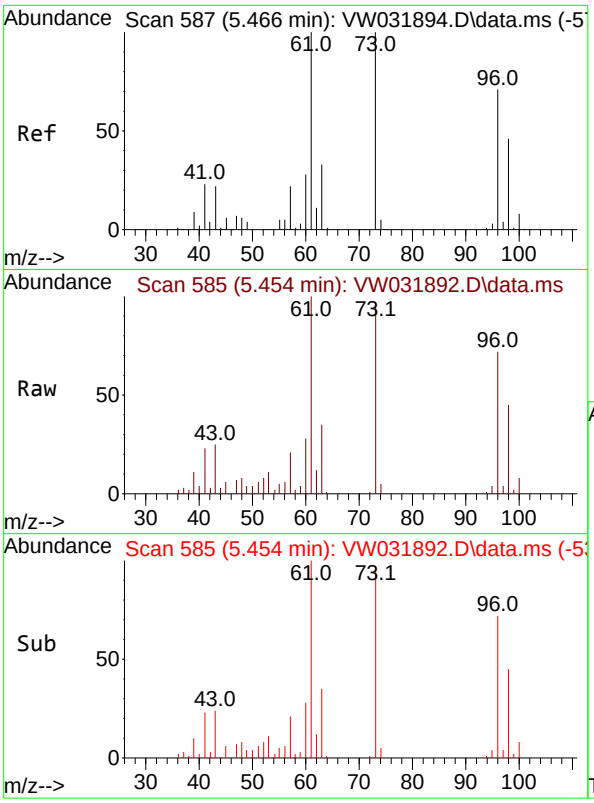


#20
Methylene Chloride
Concen: 8.241 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 84 Resp: 43038

Ion	Ratio	Lower	Upper
84	100		
49	113.0	91.9	137.9
51	34.1	29.0	43.6
86	61.9	49.1	73.7



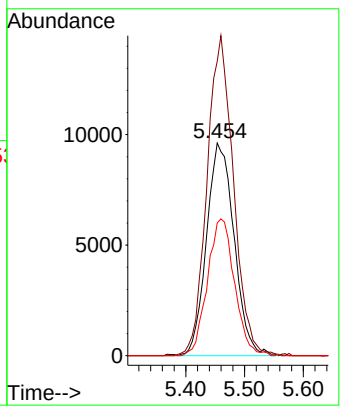


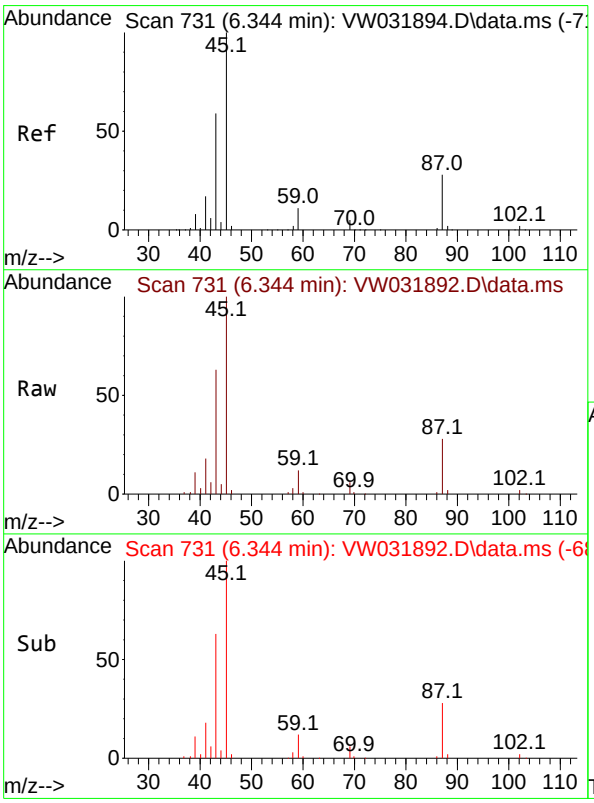
#21
trans-1,2-Dichloroethene
Concen: 9.600 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 31392

Ion	Ratio	Lower	Upper
96	100		
61	137.8	112.8	169.2
98	62.4	51.9	77.9

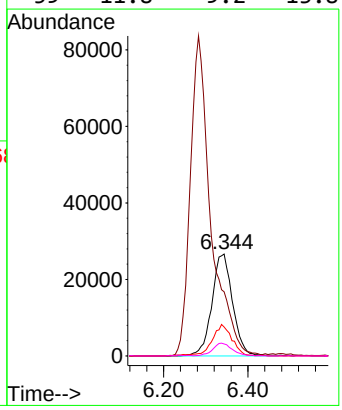


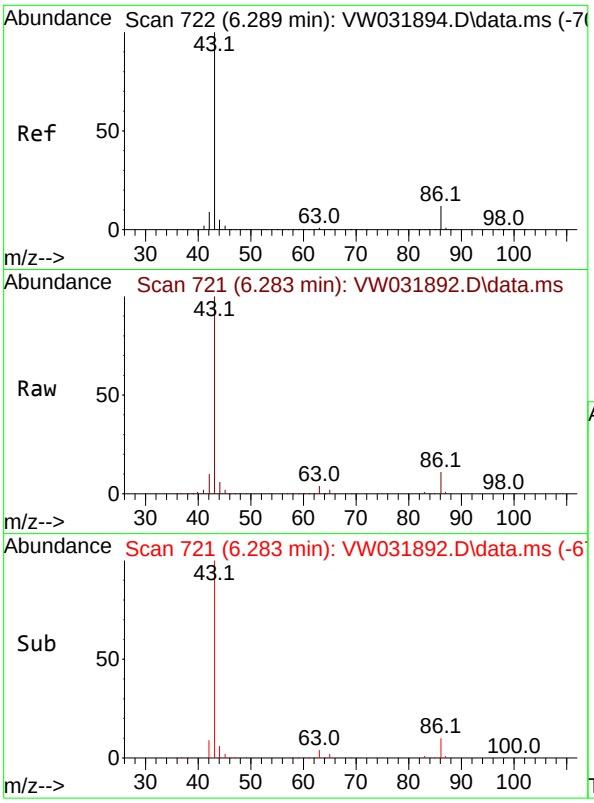


#22
Diisopropyl ether
Concen: 9.453 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 45 Resp: 90747

Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.0	70.6
87	28.4	22.8	34.2
59	11.8	9.2	13.8



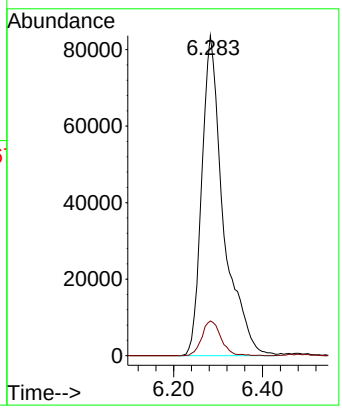


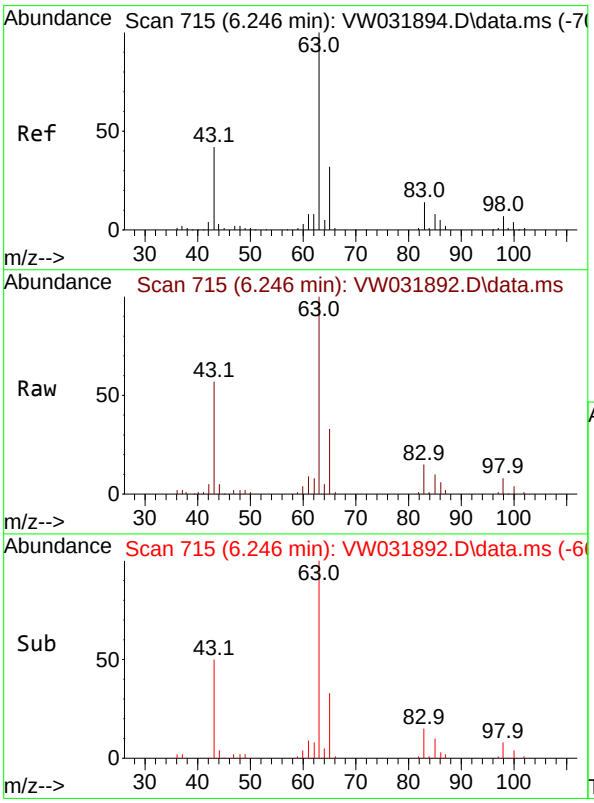
#23
Vinyl Acetate
Concen: 45.312 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 284185

Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.4	14.2

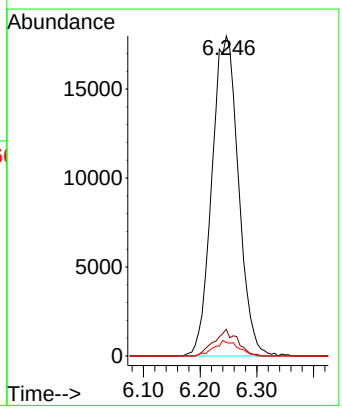


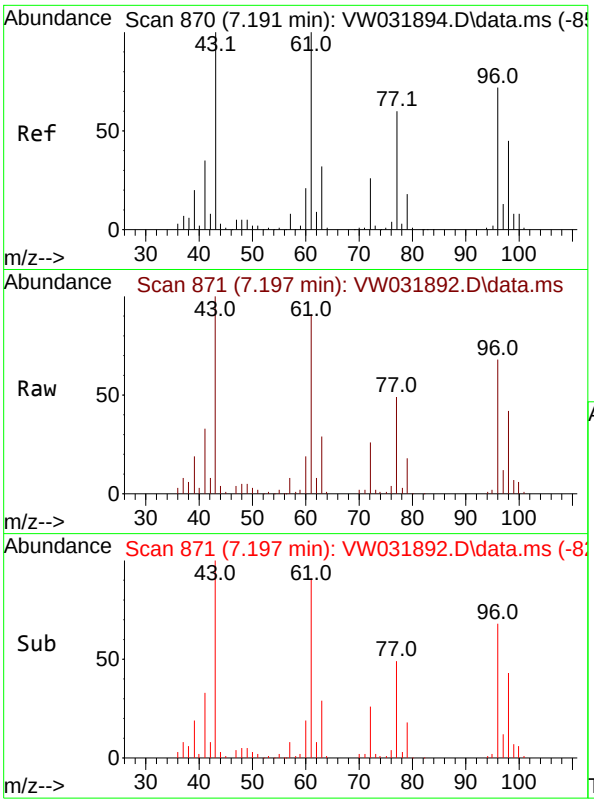


#24
1,1-Dichloroethane
Concen: 9.760 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 63 Resp: 58334

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.6	10.9
100	4.2	2.2	6.6



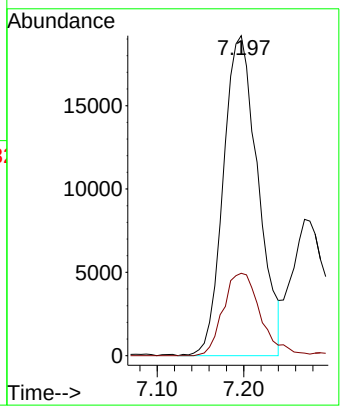


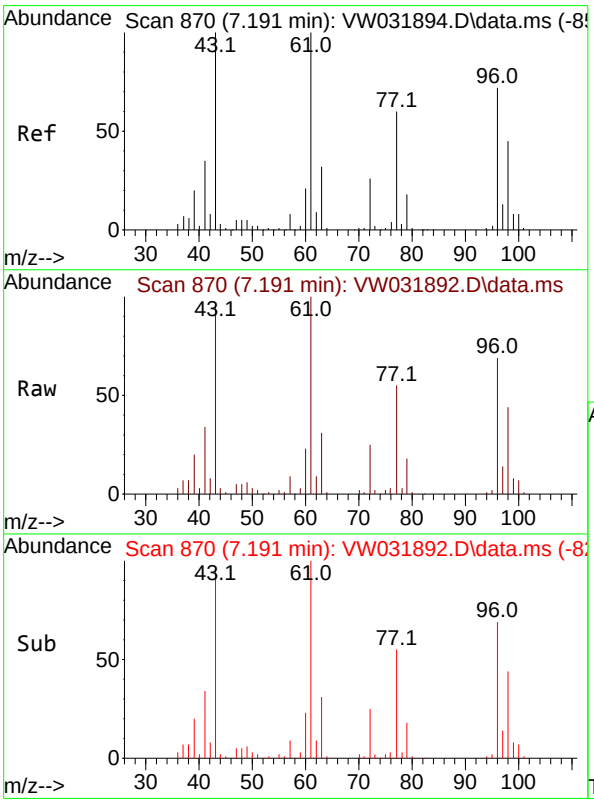
#25
2-Butanone
Concen: 46.984 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 53335

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.8	31.2

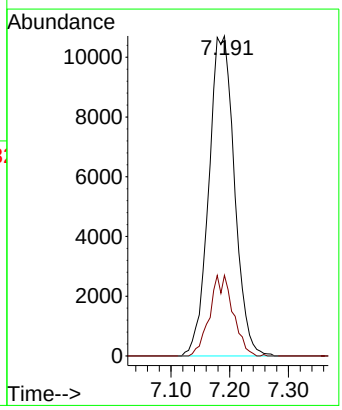


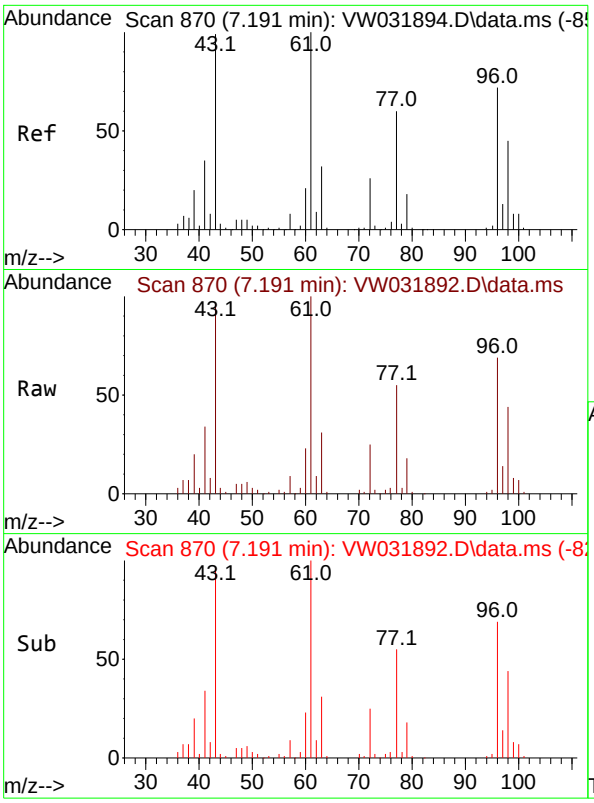


#26
2,2-Dichloropropane
Concen: 9.611 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 77 Resp: 32523

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1



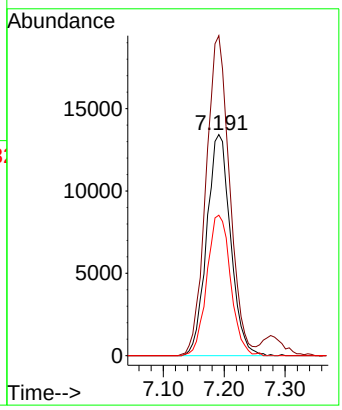


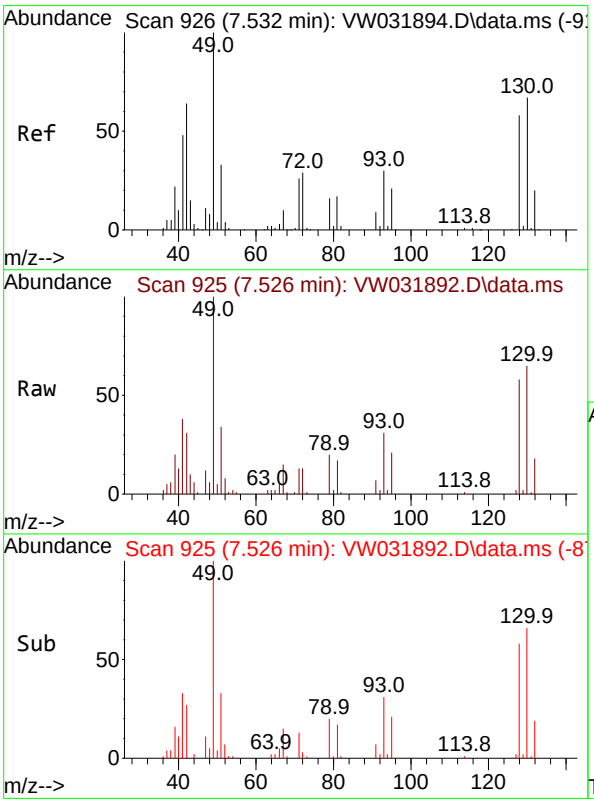
#27
cis-1,2-Dichloroethene
Concen: 9.485 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 36460

Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	280.2
98	63.2	0.0	126.8

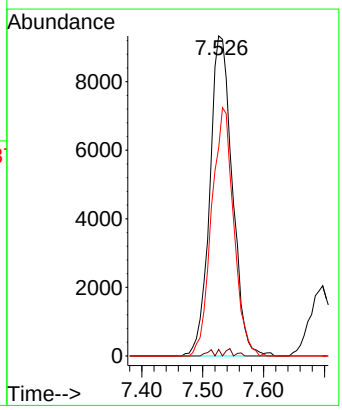


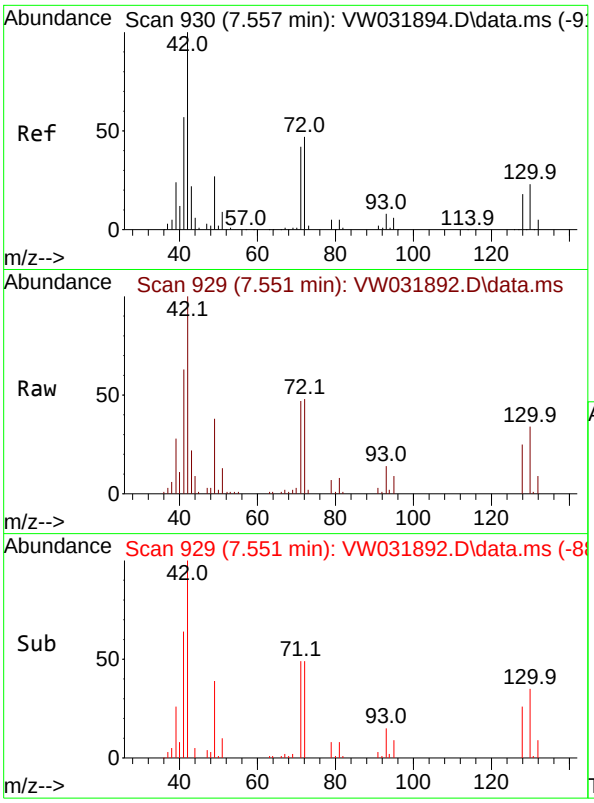


#28
Bromochloromethane
Concen: 9.597 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 49 Resp: 24018

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.4
130	75.8	59.0	88.4



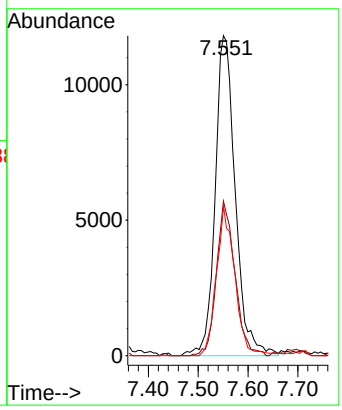


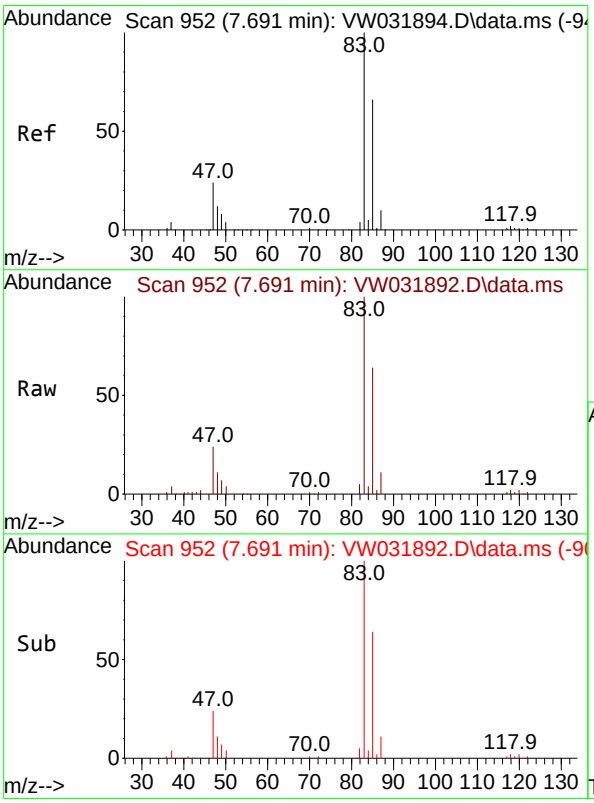
#29
Tetrahydrofuran
Concen: 44.500 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 33119

Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.0	55.6
71	43.0	34.5	51.7

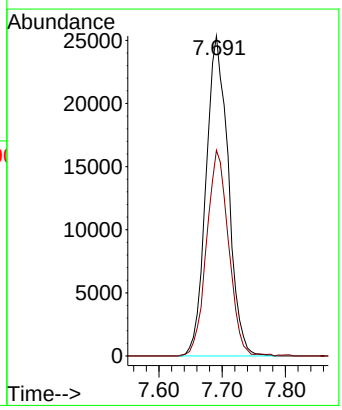


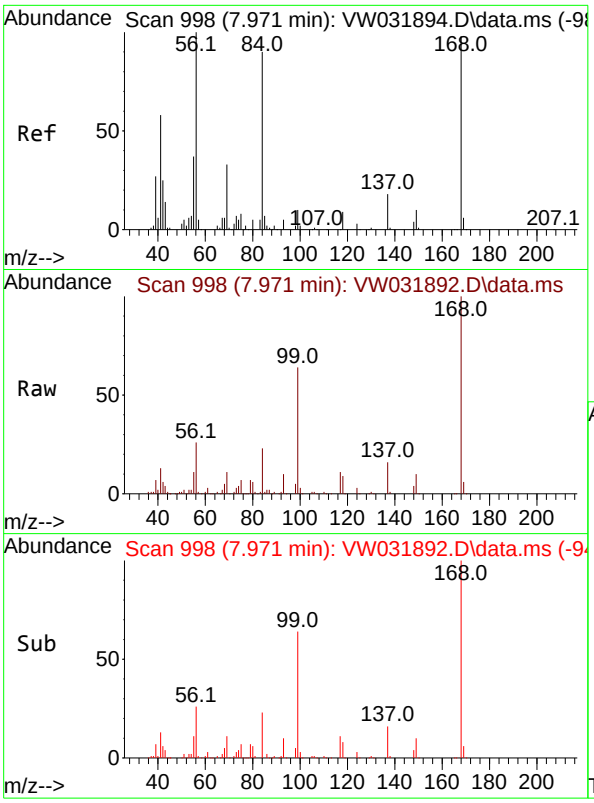


#30
Chloroform
Concen: 9.854 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 83 Resp: 61757

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8



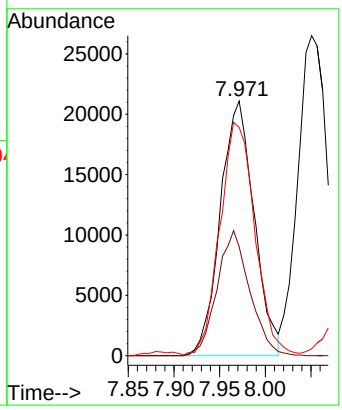


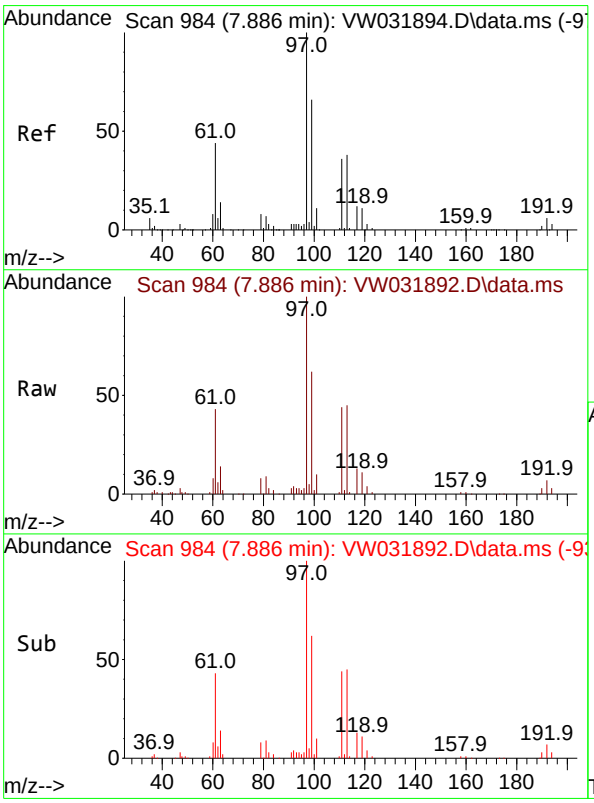
#31
Cyclohexane
Concen: 10.133 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 54338

Ion	Ratio	Lower	Upper
56	100		
69	42.8	26.7	40.1#
84	88.8	71.8	107.6

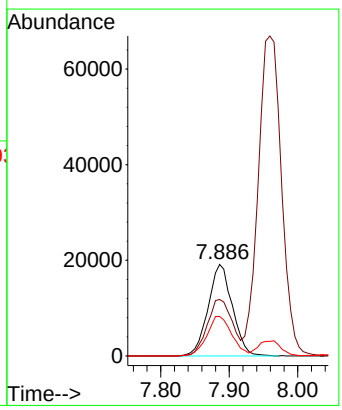


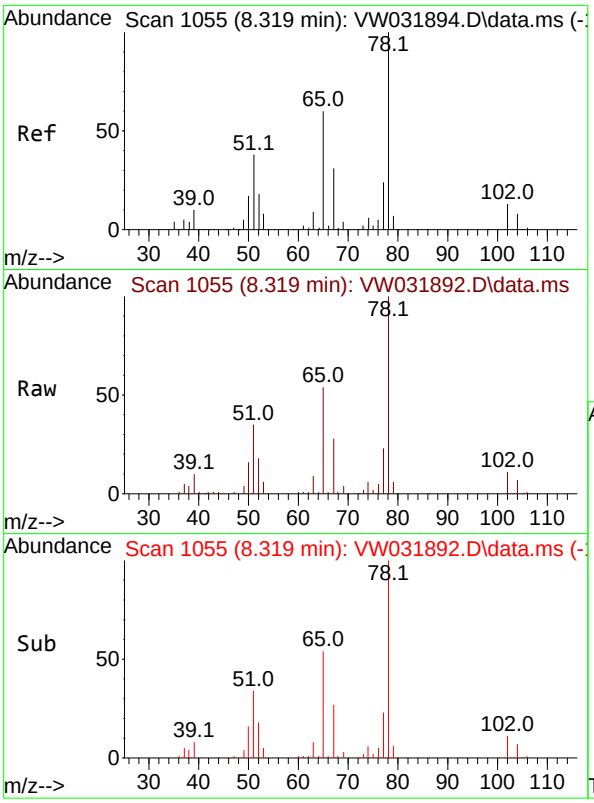


#32
1,1,1-Trichloroethane
Concen: 9.853 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 97 Resp: 46989

Ion	Ratio	Lower	Upper
97	100		
99	64.1	53.0	79.4
61	44.5	35.4	53.0



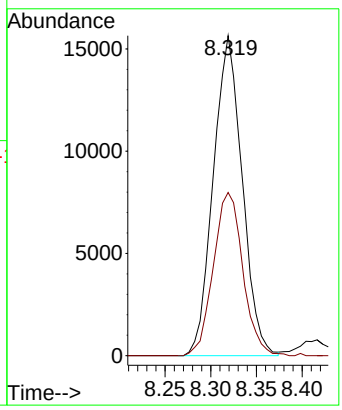


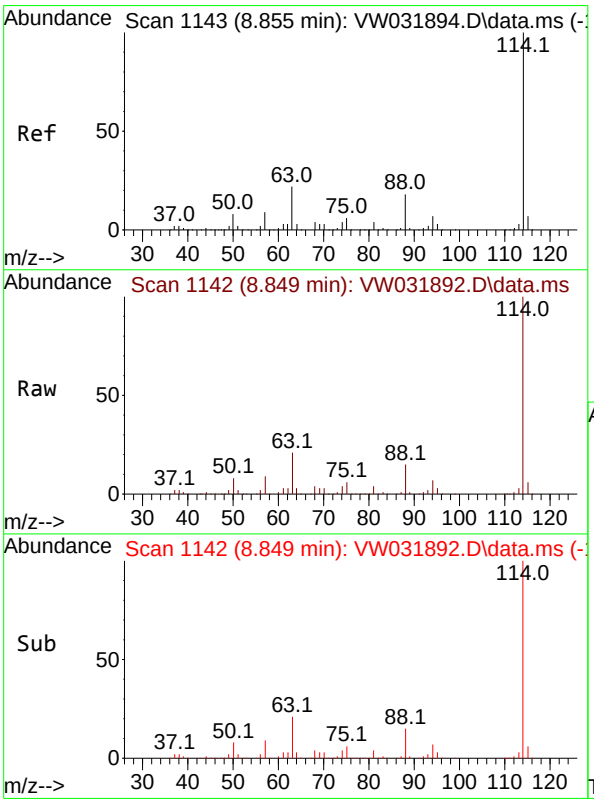
#33
1,2-Dichloroethane-d4
Concen: 9.843 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 34413

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	101.4

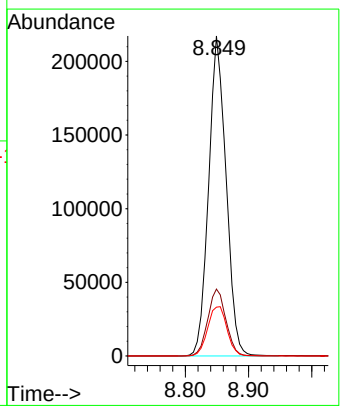


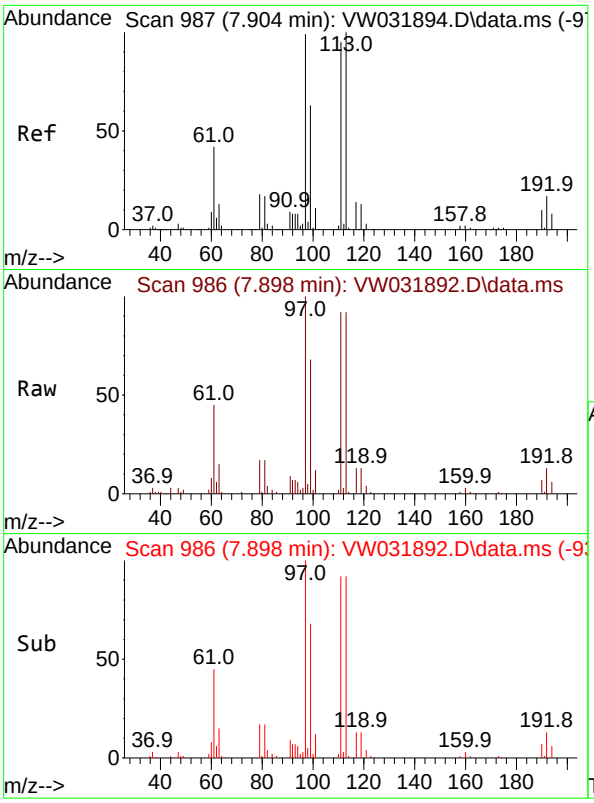


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:114 Resp: 416059

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.2
88	15.2	0.0	35.6



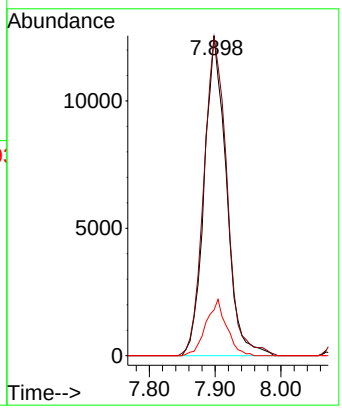


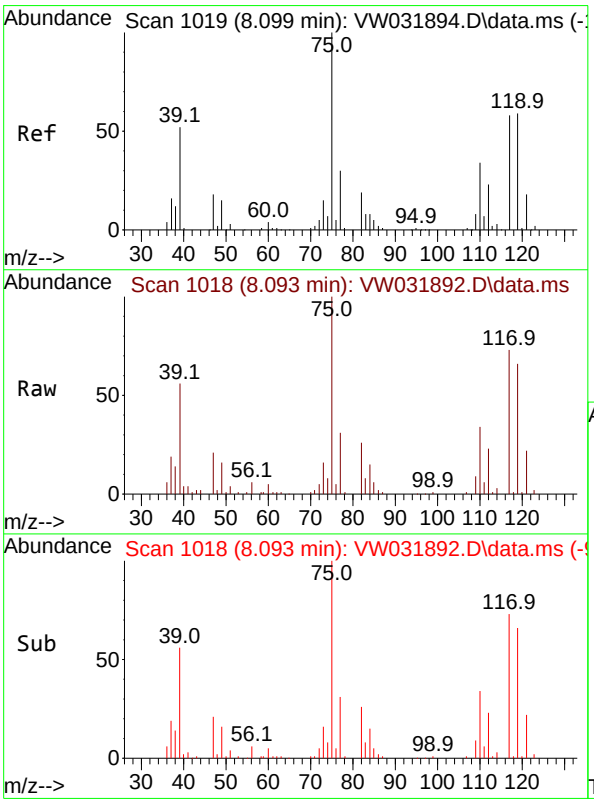
#35
Dibromofluoromethane
Concen: 10.391 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 29377

Ion	Ratio	Lower	Upper
113	100		
111	104.3	79.9	119.9
192	16.4	12.6	19.0

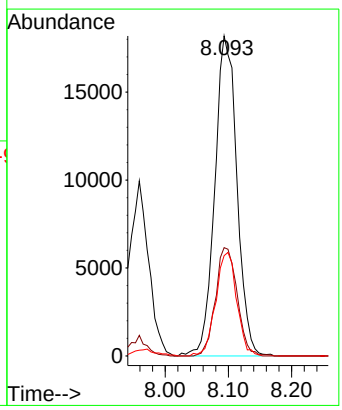


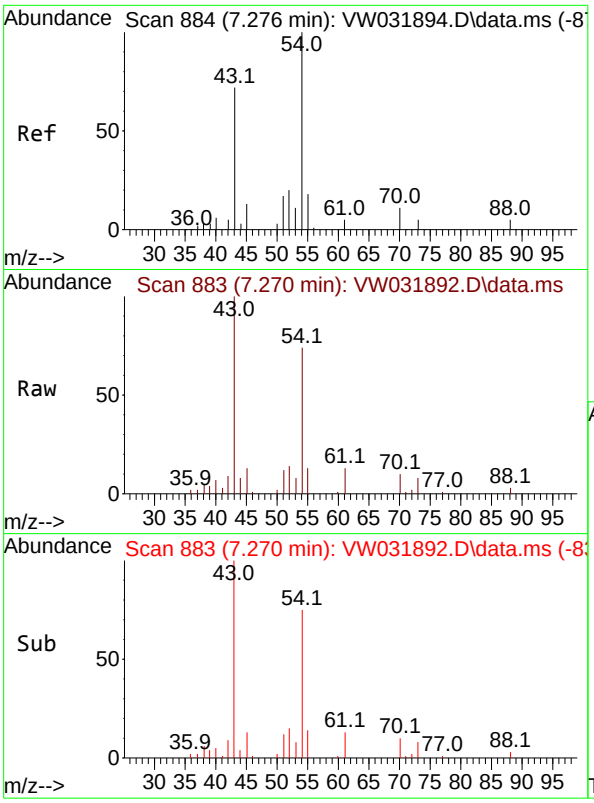


#36
1,1-Dichloropropene
Concen: 10.184 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 44218

Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.0	50.9
77	30.7	25.1	37.7



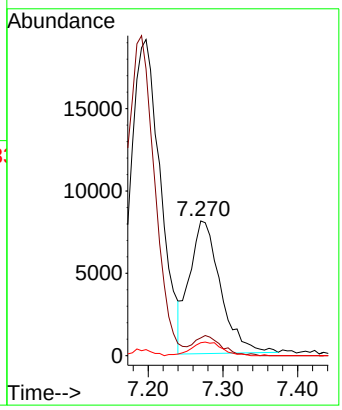


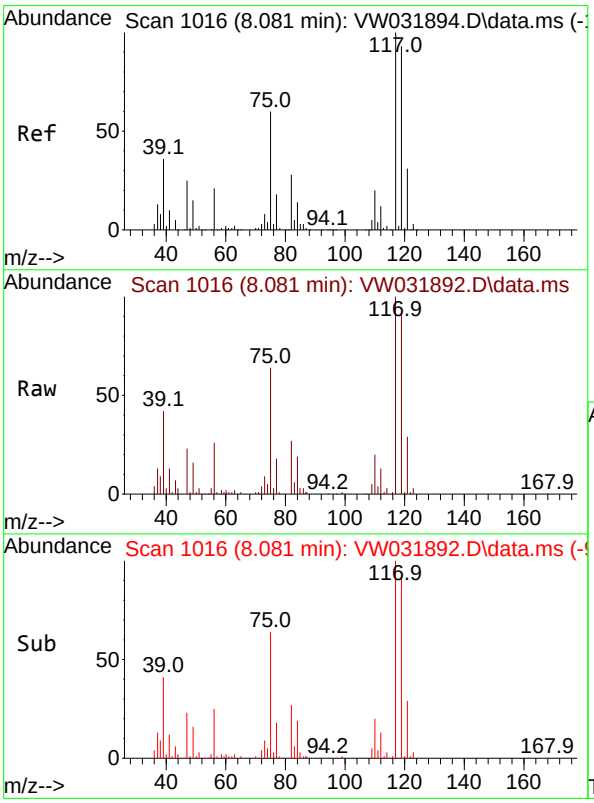
#37
Ethyl Acetate
Concen: 9.405 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 23295

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	10.2	9.0	13.4

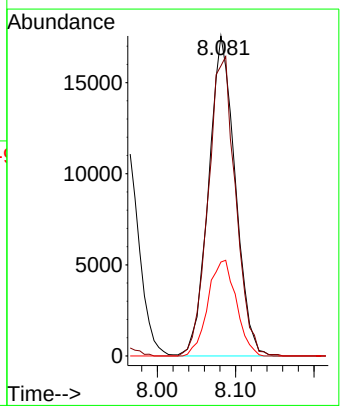


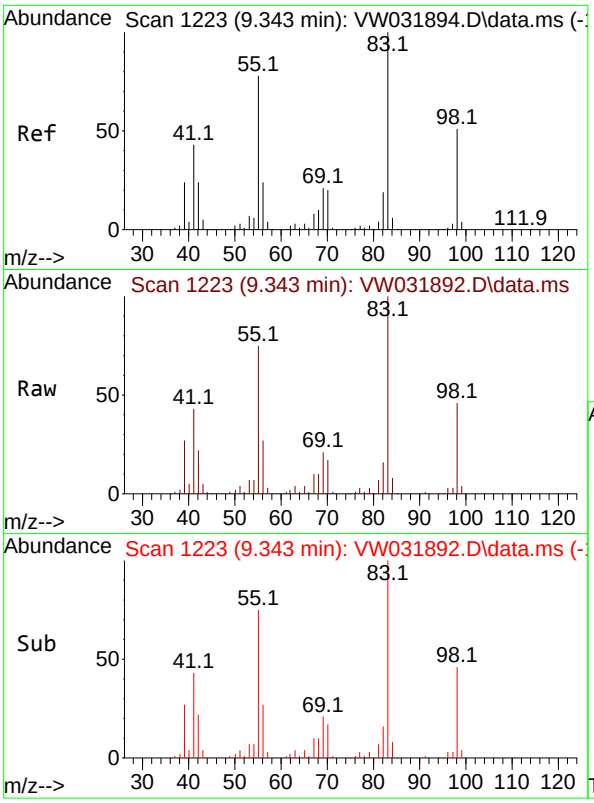


#38
Carbon Tetrachloride
Concen: 9.943 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:117 Resp: 41429

Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.3	111.5
121	29.4	24.6	37.0



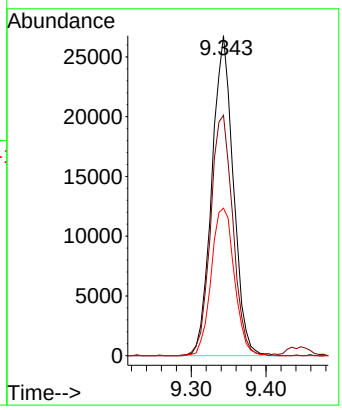


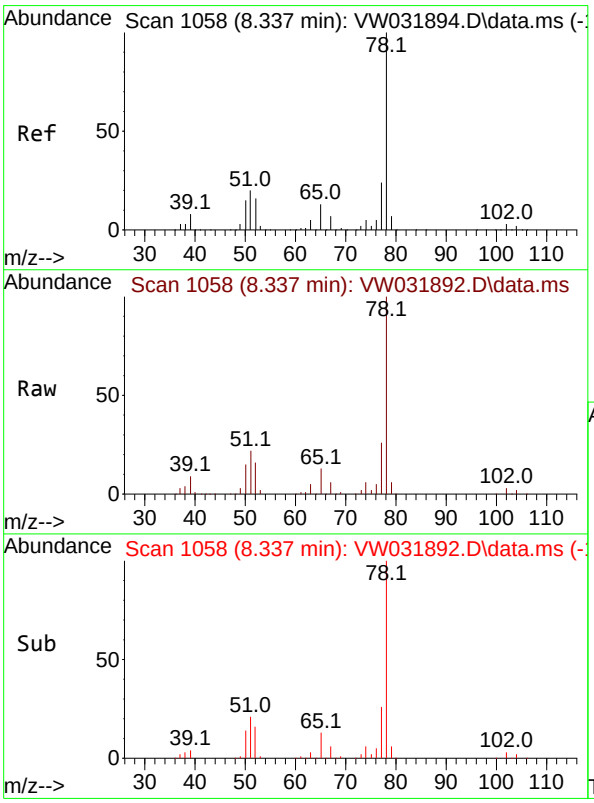
#39
Methylcyclohexane
Concen: 9.785 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 53466

Ion	Ratio	Lower	Upper
83	100		
55	75.1	62.5	93.7
98	46.1	40.6	61.0

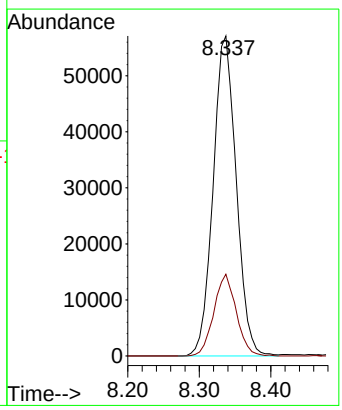


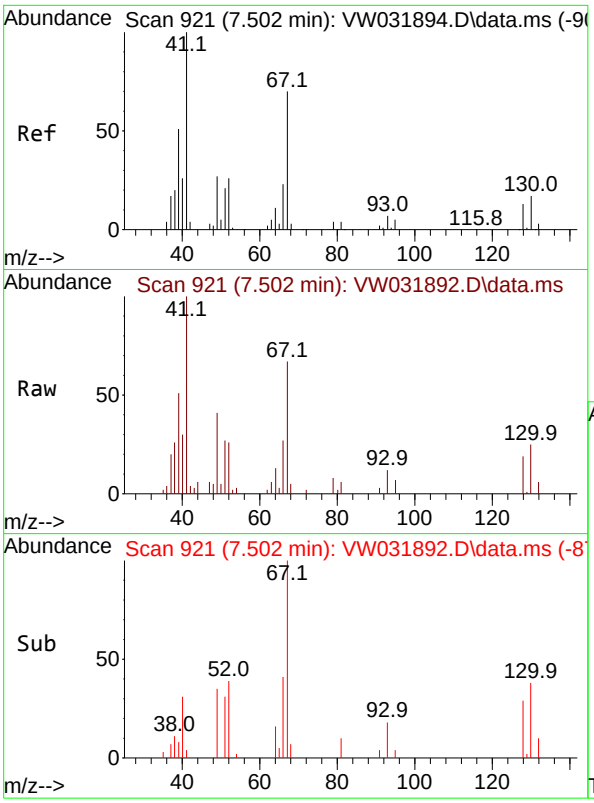


#40
Benzene
Concen: 9.969 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 78 Resp: 128121

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.3	28.9



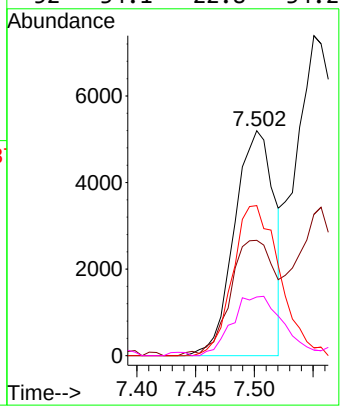


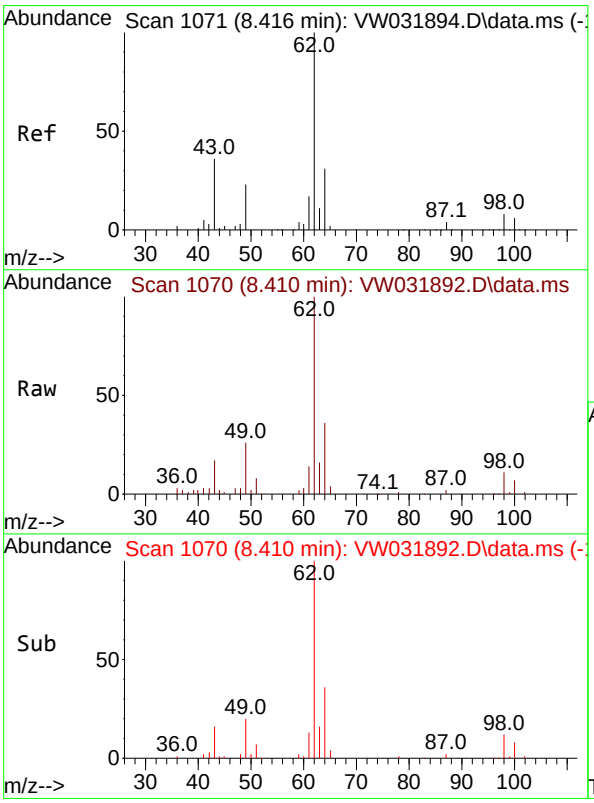
#41
Methacrylonitrile
Concen: 8.385 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 12233

Ion	Ratio	Lower	Upper
41	100		
39	56.6	41.1	61.7
67	78.5	56.2	84.4
52	34.1	22.8	34.2

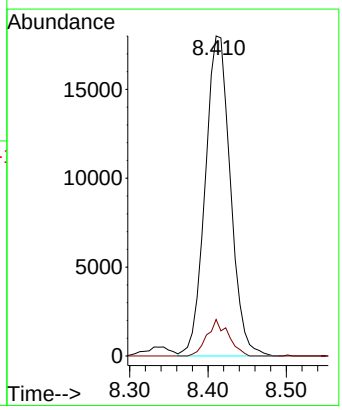


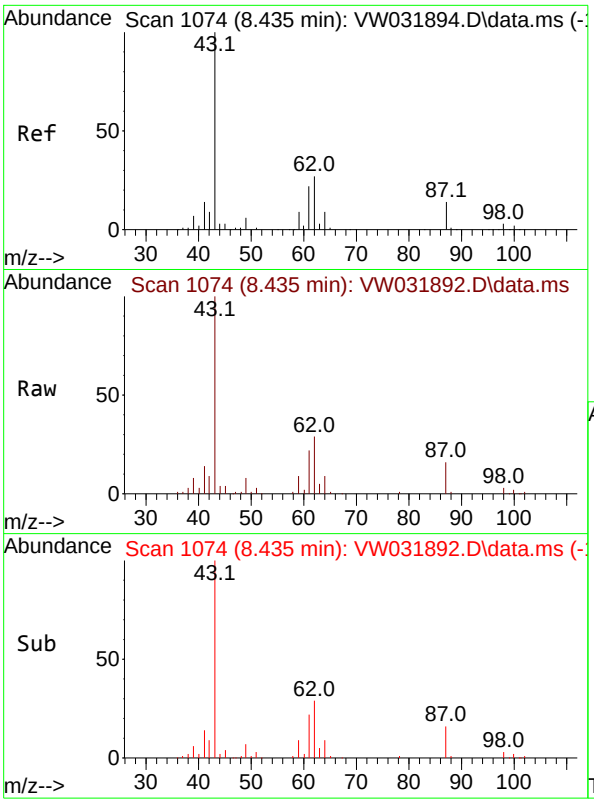


#42
1,2-Dichloroethane
Concen: 9.785 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 62 Resp: 40250

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2



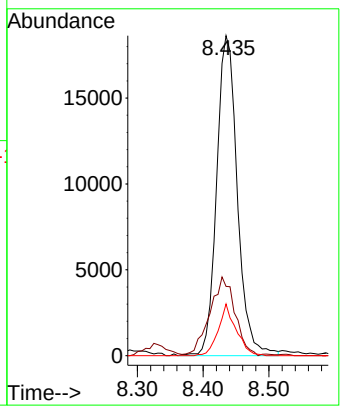


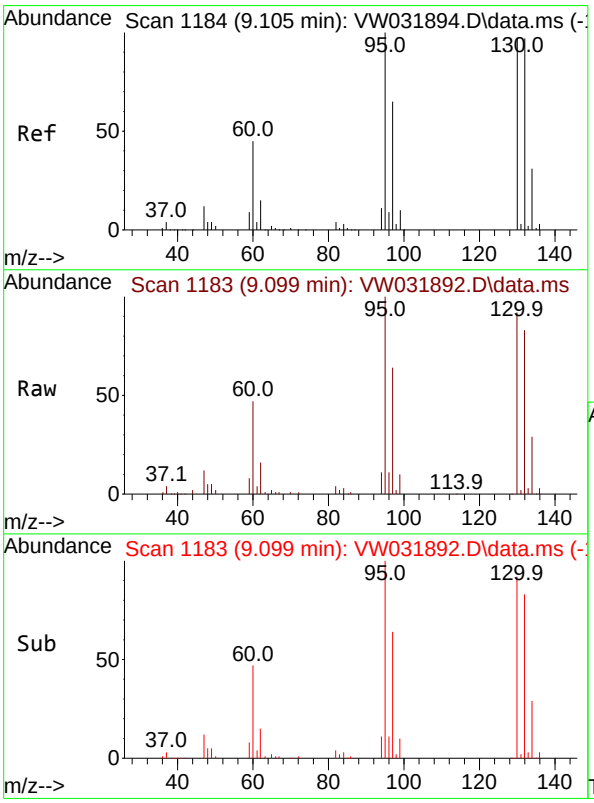
#43
Isopropyl Acetate
Concen: 9.109 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 40842

Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.0	36.0
87	13.8	11.1	16.7

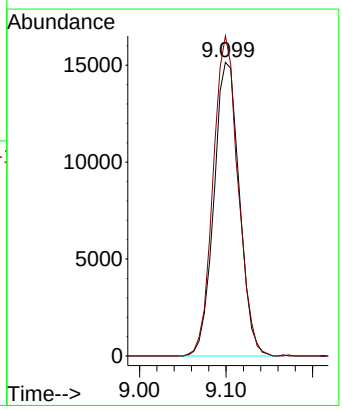


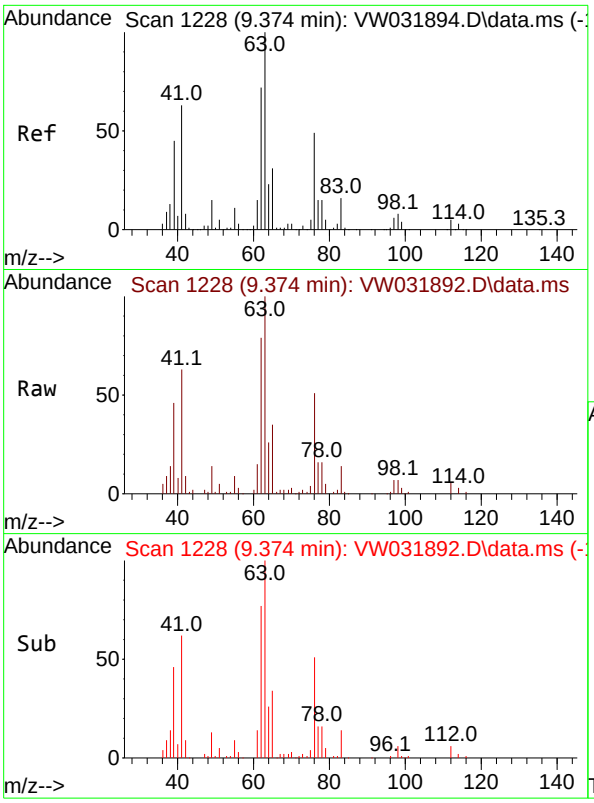


#44
Trichloroethene
Concen: 10.126 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:130 Resp: 30934

Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	206.4



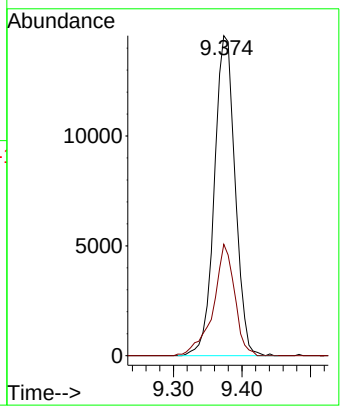


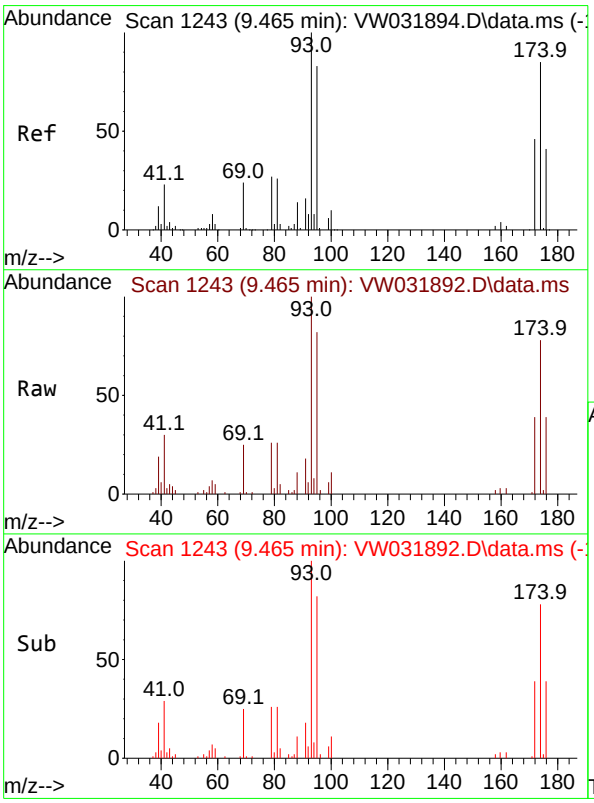
#45
1,2-Dichloropropane
Concen: 9.863 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 30529

Ion	Ratio	Lower	Upper
63	100		
65	34.8	25.0	37.4

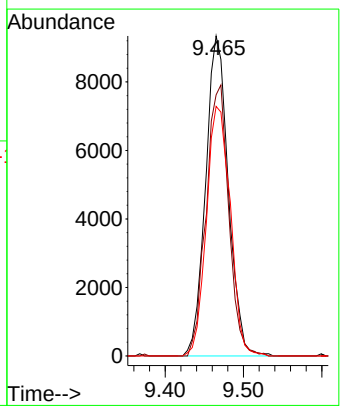


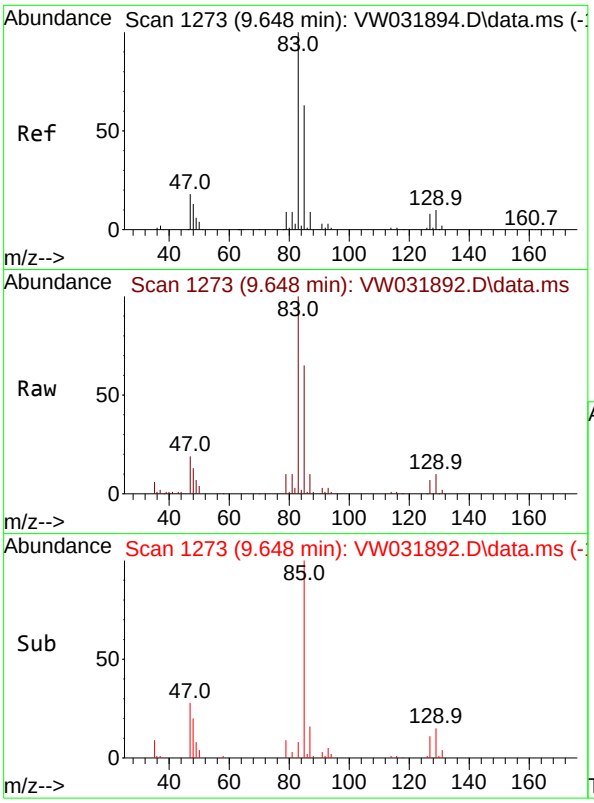


#46
Dibromomethane
Concen: 9.814 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 93 Resp: 18831

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.8	98.6
174	82.0	70.2	105.2



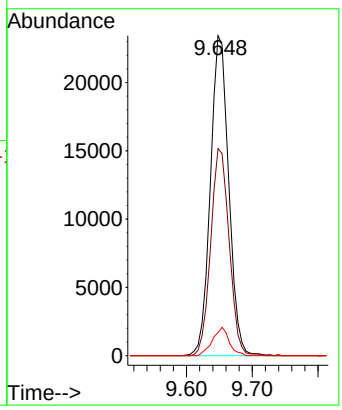


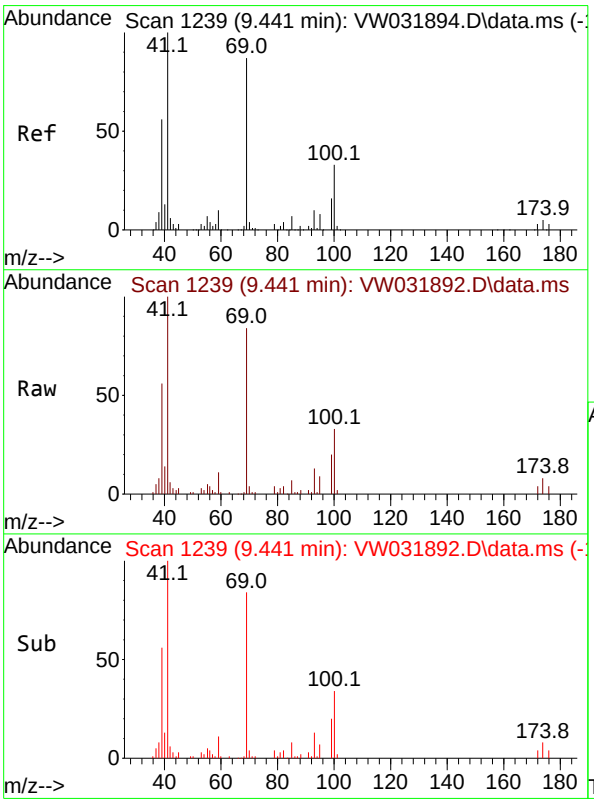
#47
Bromodichloromethane
Concen: 9.868 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 45402

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0
127	7.2	6.5	9.7

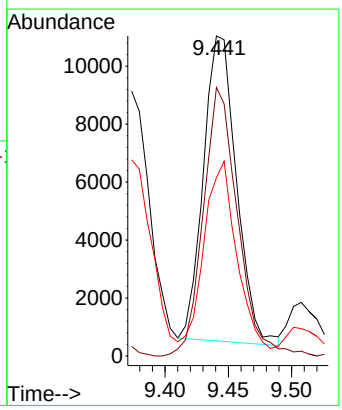


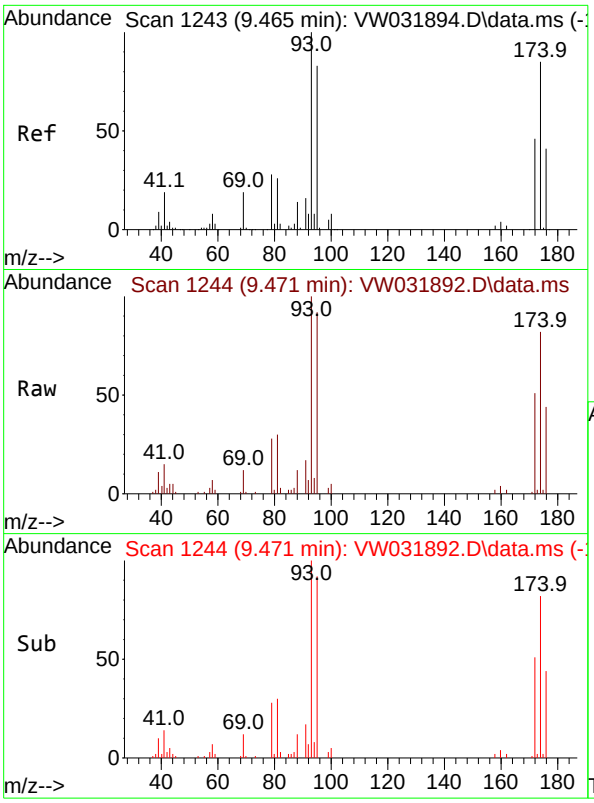


#48
Methyl methacrylate
Concen: 8.949 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 41 Resp: 19089

Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.6	110.4
39	59.4	45.5	68.3



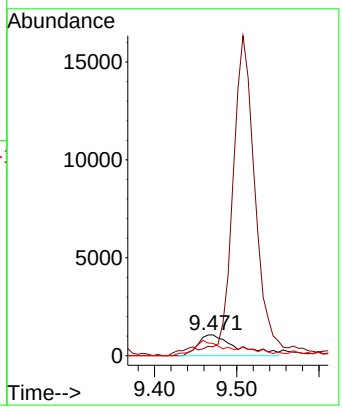


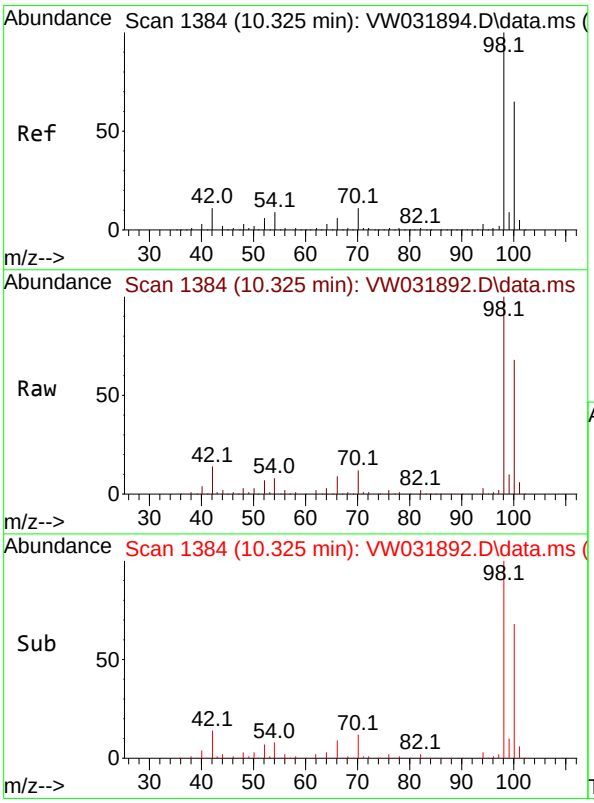
#49
1,4-Dioxane
Concen: 184.165 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3526

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	54.5	58.2	87.2#

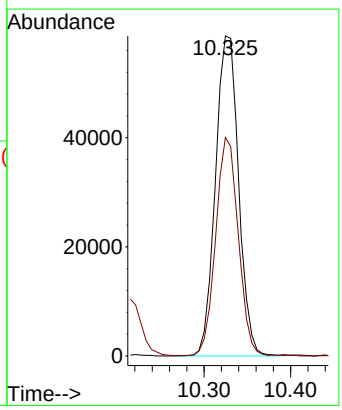


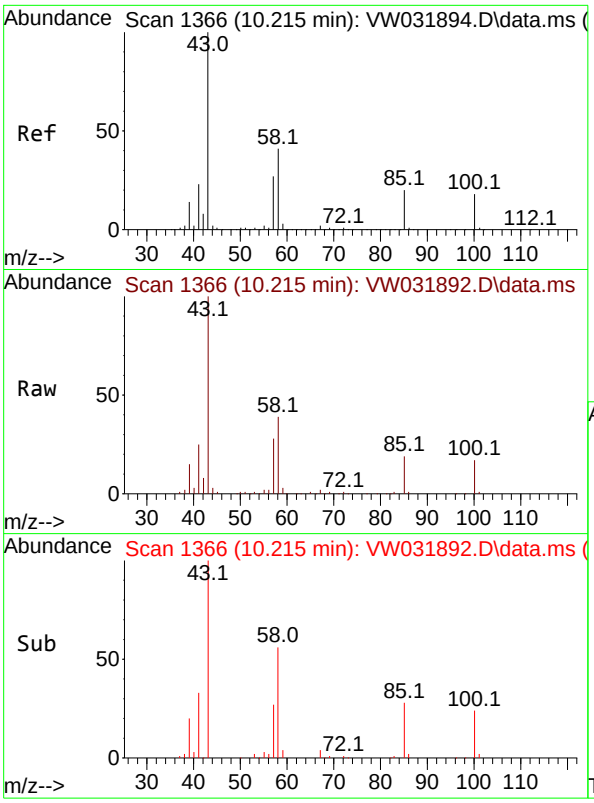


#50
Toluene-d8
Concen: 10.178 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 98 Resp: 108902

Ion	Ratio	Lower	Upper
98	100		
100	66.9	51.7	77.5



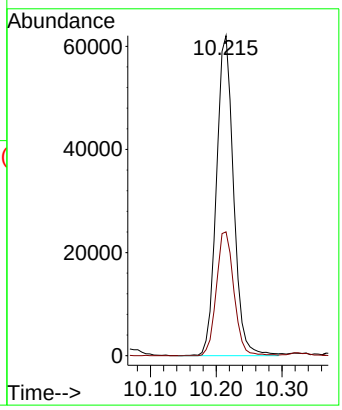


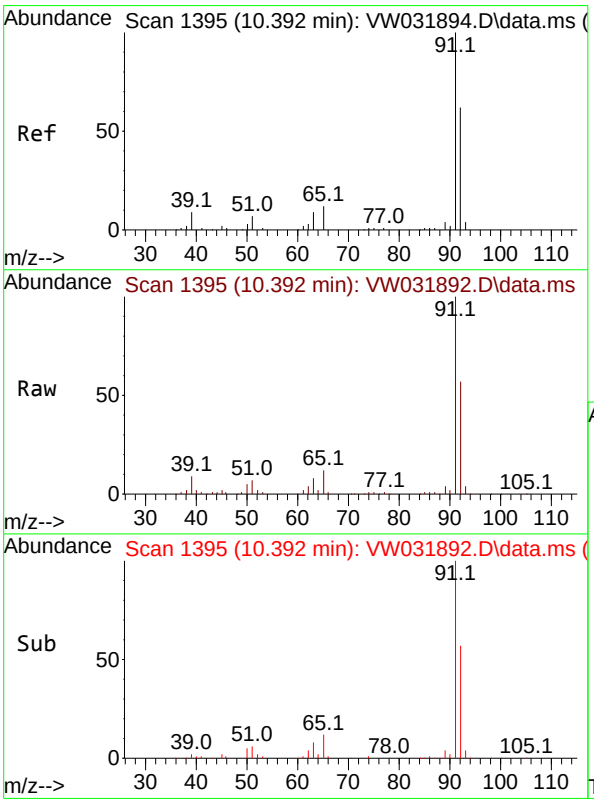
#51
4-Methyl-2-Pentanone
Concen: 45.845 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 112498

Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.8	49.2

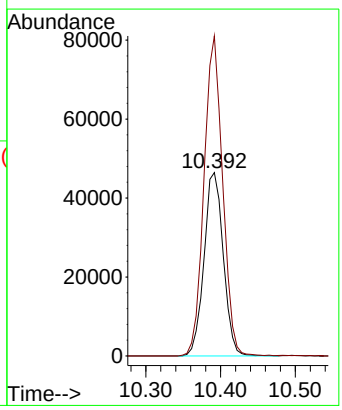


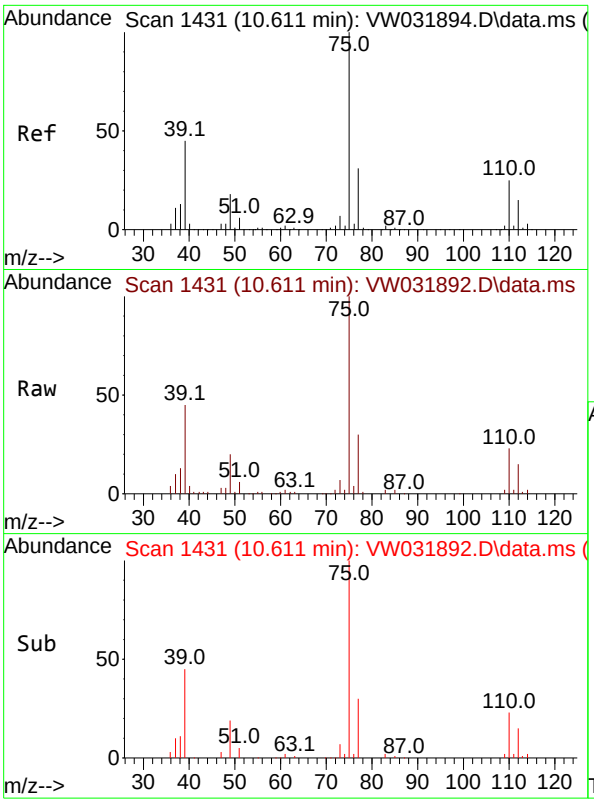


#52
Toluene
Concen: 10.054 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 92 Resp: 83069

Ion	Ratio	Lower	Upper
92	100		
91	168.9	133.7	200.5



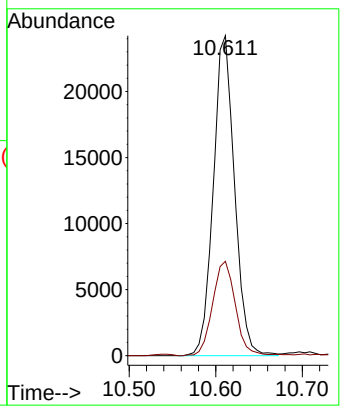


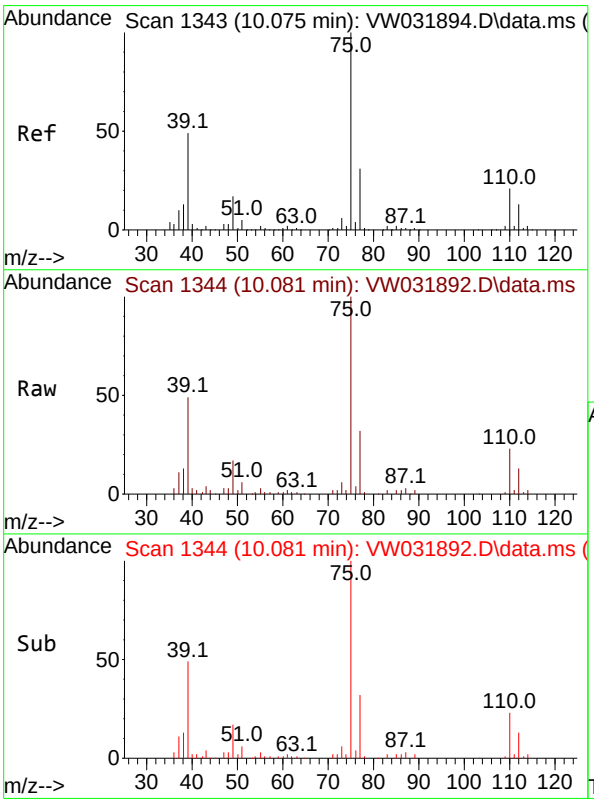
#53
t-1,3-Dichloropropene
Concen: 9.349 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 41264

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.2	37.8

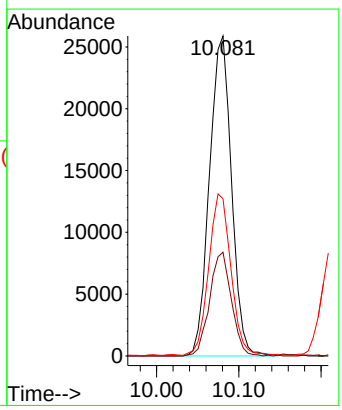


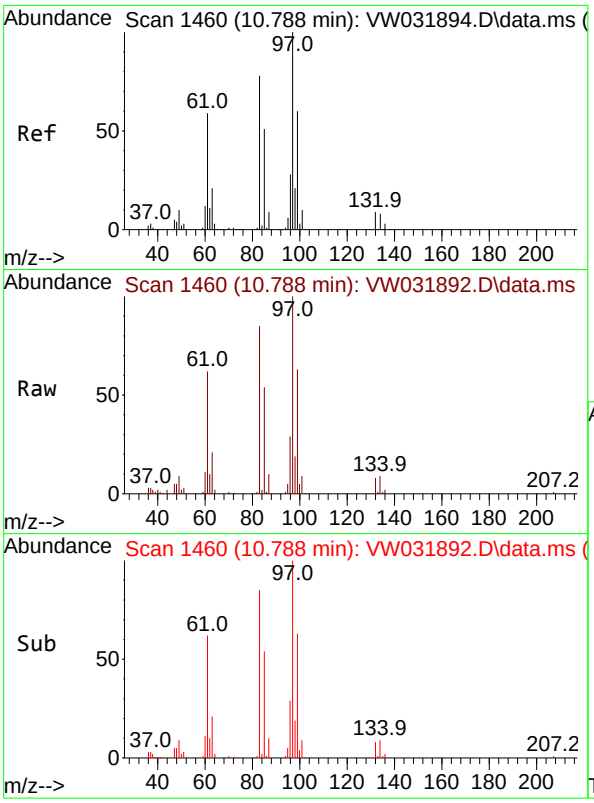


#54
cis-1,3-Dichloropropene
Concen: 9.550 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 48135

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7
39	48.8	39.3	58.9



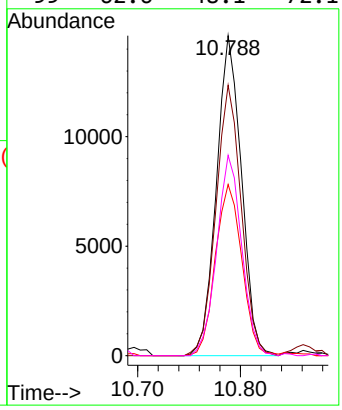


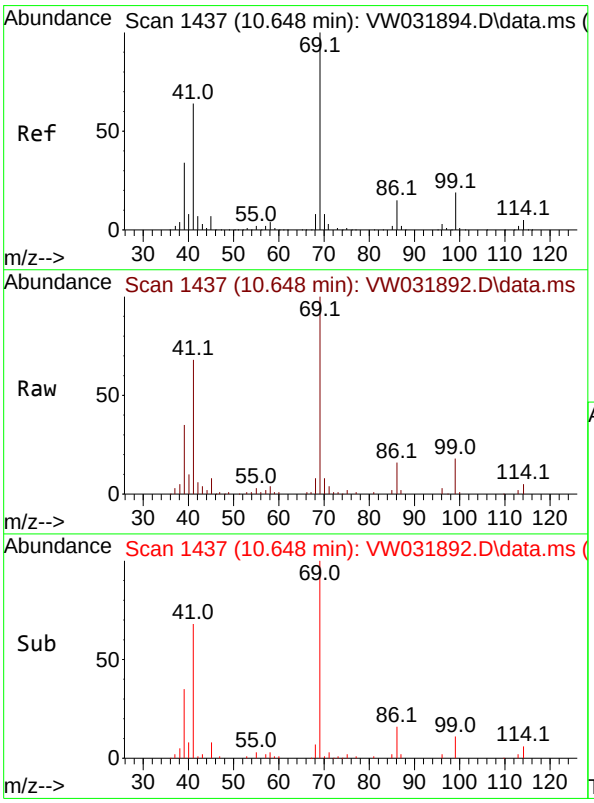
#55
1,1,2-Trichloroethane
Concen: 9.682 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 24676

Ion	Ratio	Lower	Upper
97	100		
83	84.5	62.4	93.6
85	53.5	41.0	61.6
99	62.6	48.1	72.1

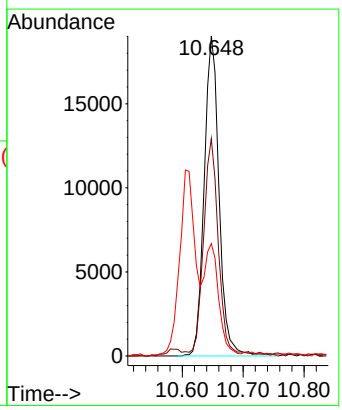


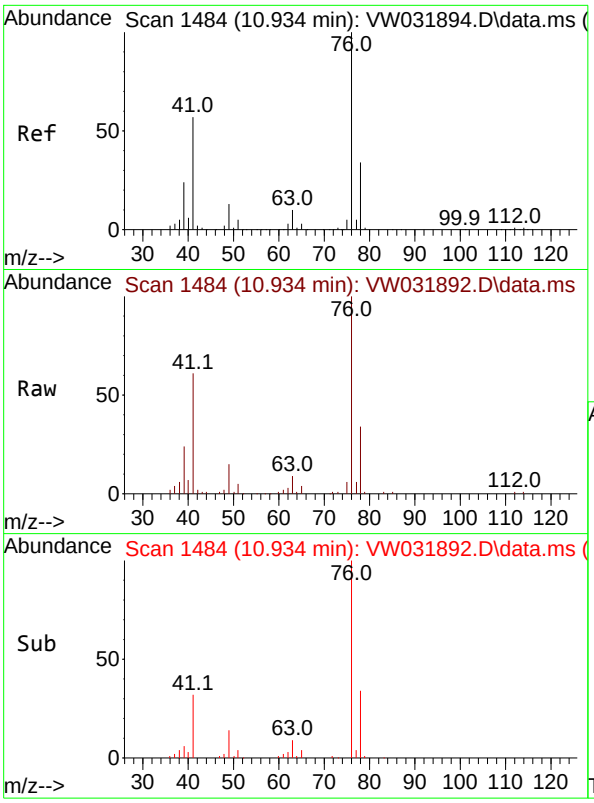


#56
Ethyl methacrylate
Concen: 8.978 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 69 Resp: 32317

Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.0	78.0
39	33.1	26.6	40.0



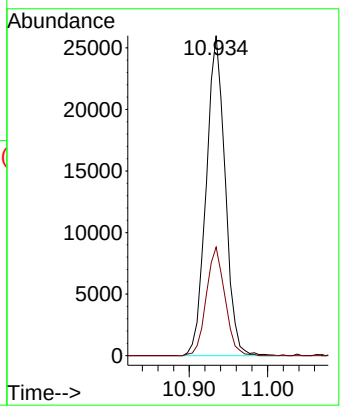


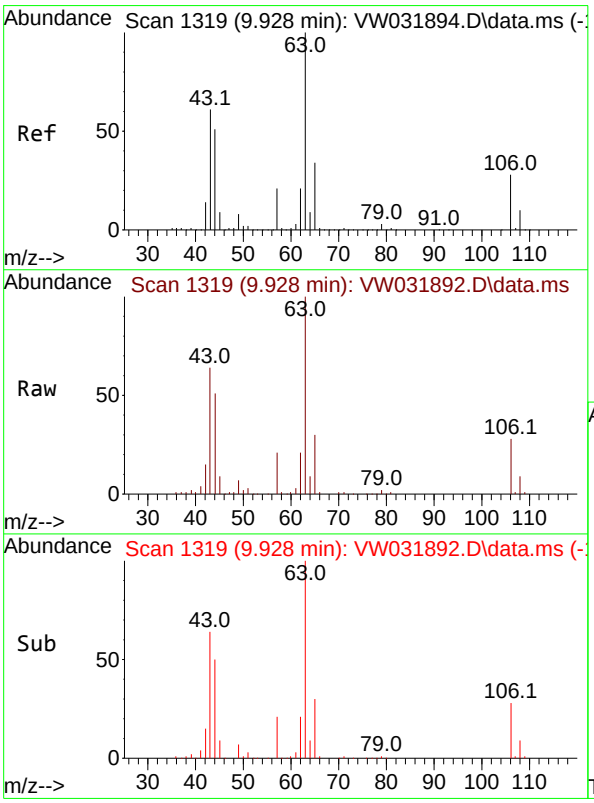
#57
1,3-Dichloropropane
Concen: 9.723 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 43658

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9

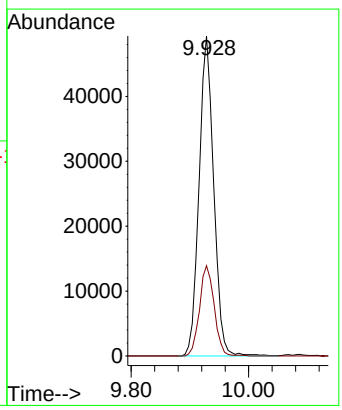


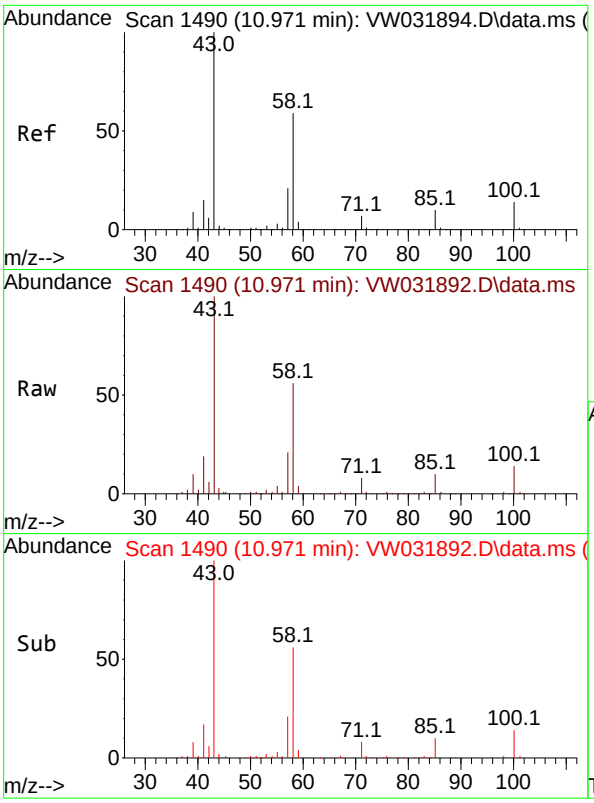


#58
2-Chloroethyl Vinyl ether
Concen: 46.194 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 63 Resp: 85410

Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1



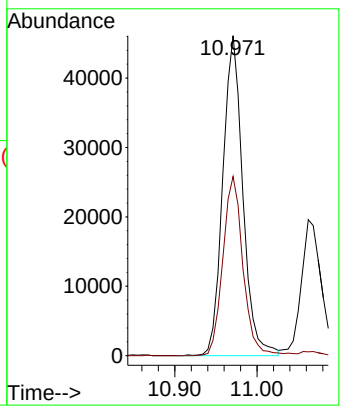


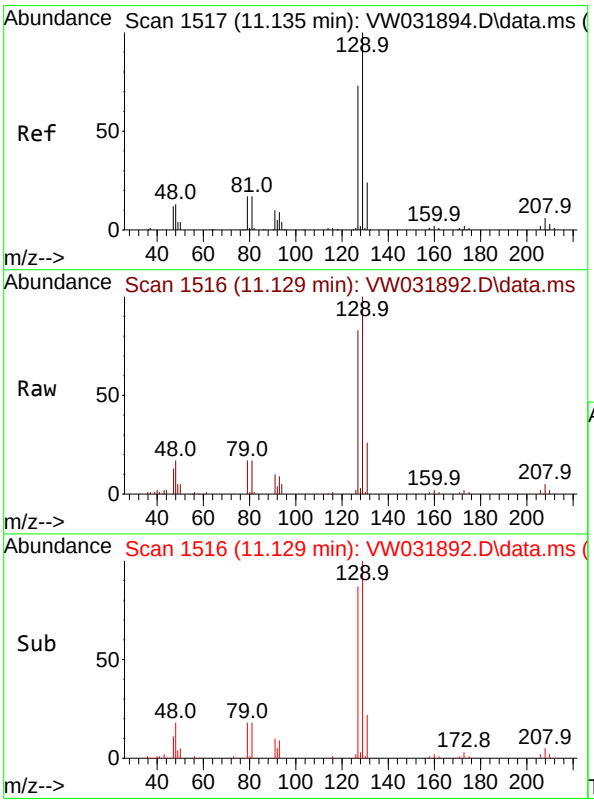
#59
2-Hexanone
Concen: 45.837 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 78182

Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.5	85.6

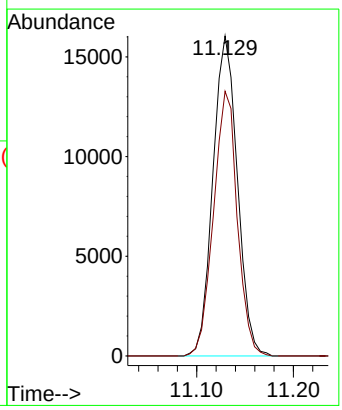


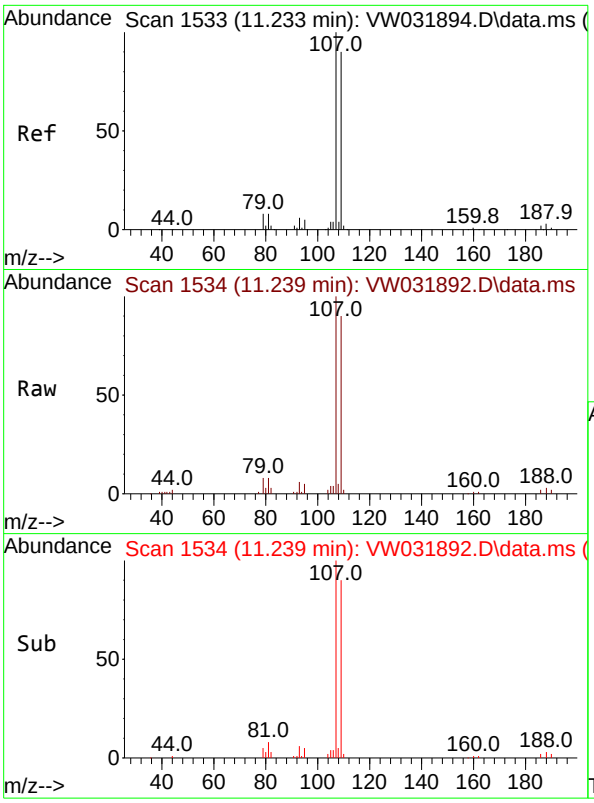


#60
Dibromochloromethane
Concen: 9.486 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:129 Resp: 28189

Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.6	118.8



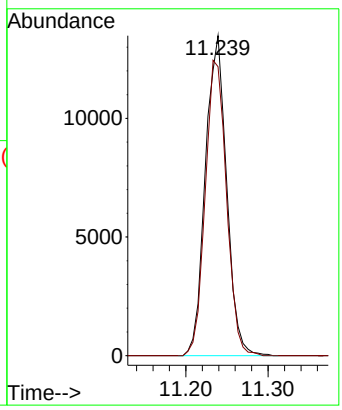


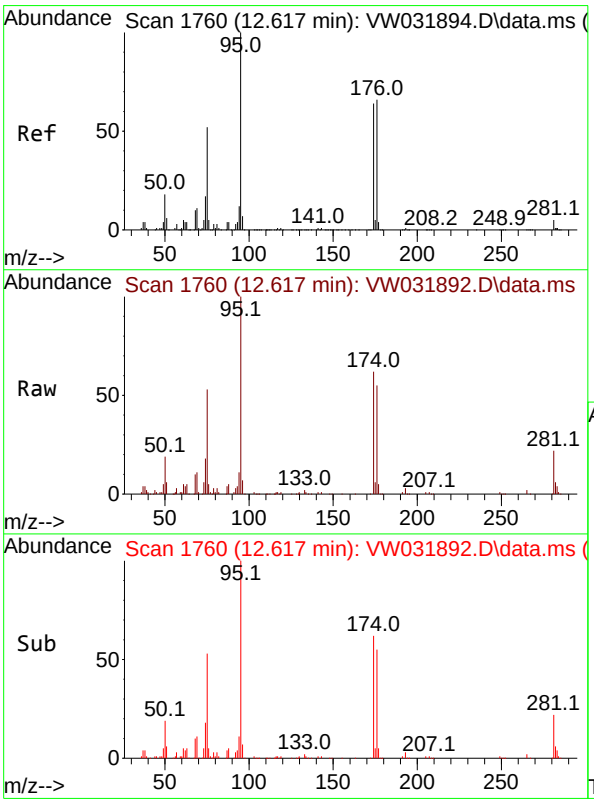
#61
1,2-Dibromoethane
Concen: 9.617 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 24219

Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.2	111.4

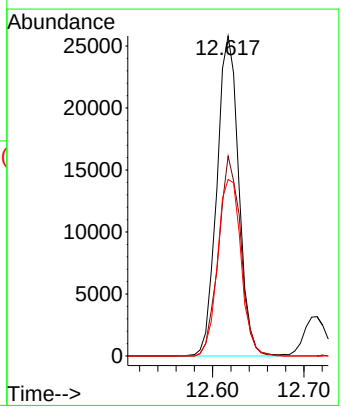


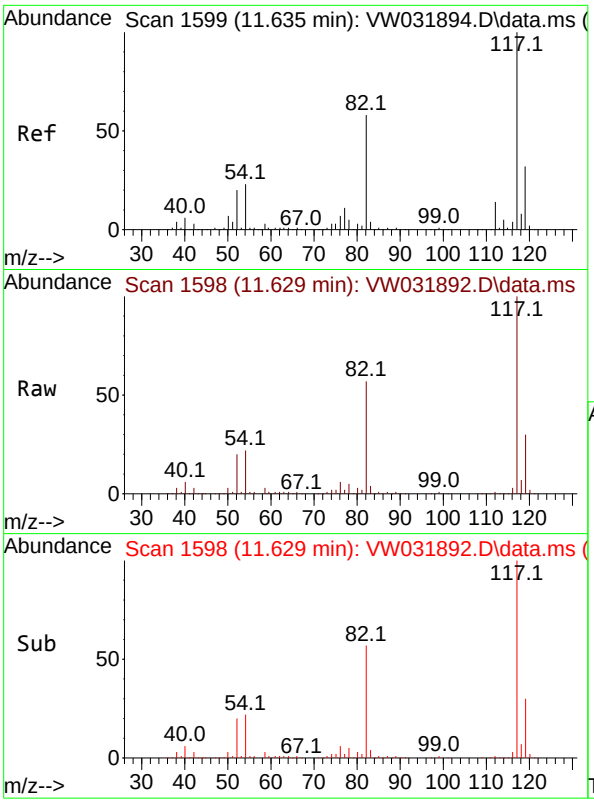


#62
4-Bromofluorobenzene
Concen: 10.434 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 95 Resp: 42871

Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	129.8
176	59.4	0.0	130.4



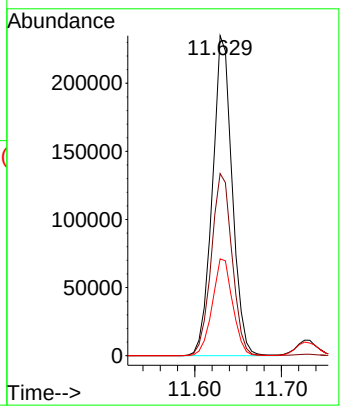


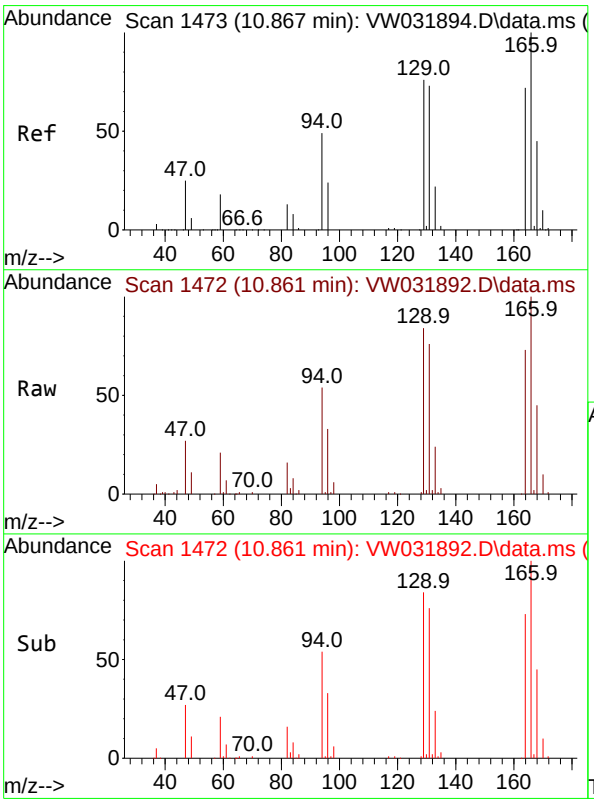
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 372788

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	30.2	25.8	38.6

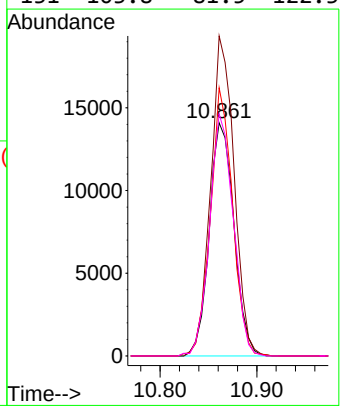


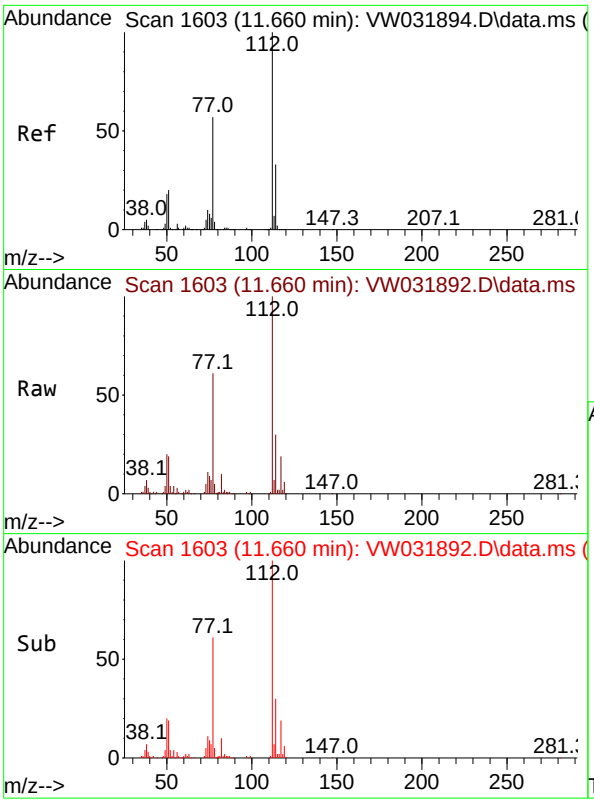


#64
Tetrachloroethene
Concen: 10.138 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:164 Resp: 24918

Ion	Ratio	Lower	Upper
164	100		
166	137.3	111.5	167.3
129	115.0	85.1	127.7
131	103.8	81.5	122.3



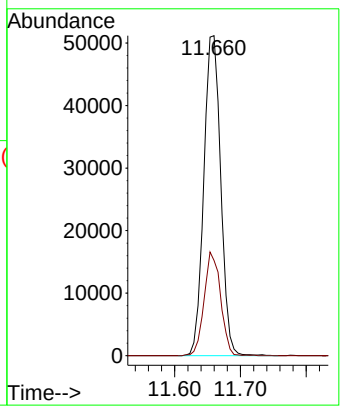


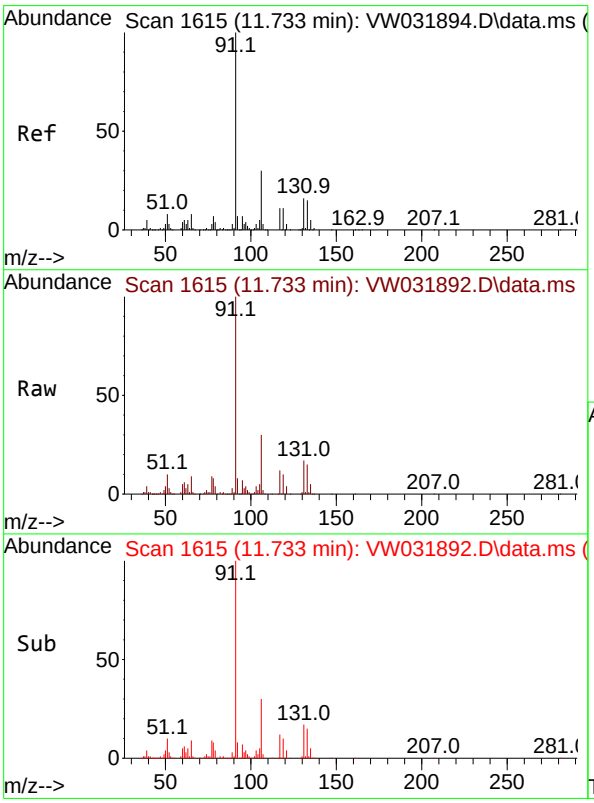
#65
Chlorobenzene
Concen: 10.024 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 91460

Ion	Ratio	Lower	Upper
112	100		
114	29.8	26.2	39.2

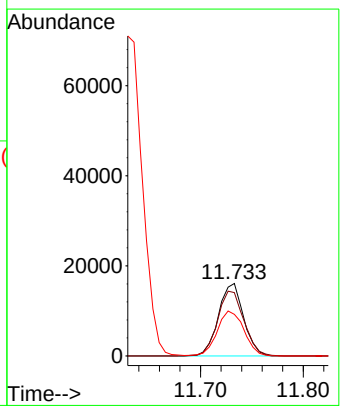


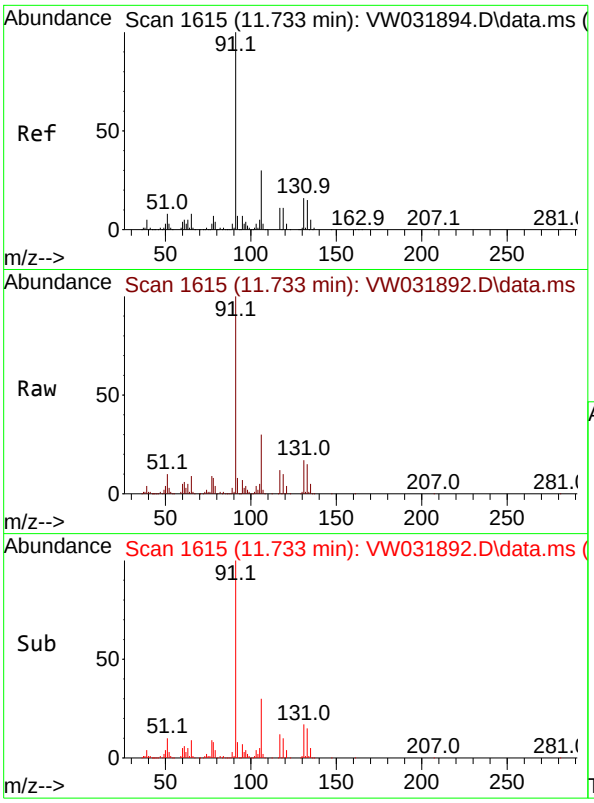


#66
1,1,1,2-Tetrachloroethane
Concen: 9.647 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:131 Resp: 27287

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.1	144.4
119	66.2	33.7	101.1



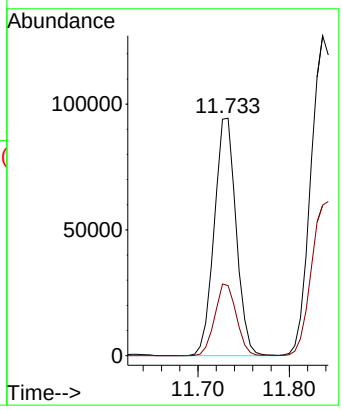


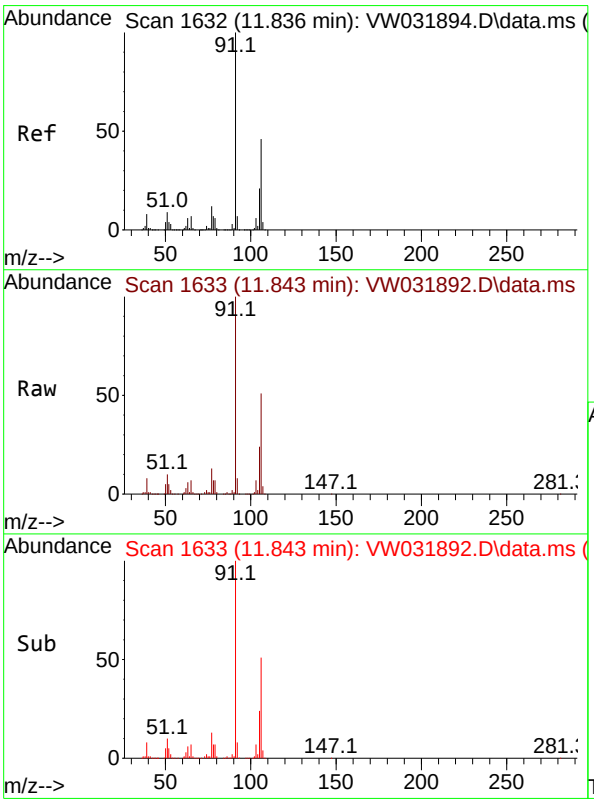
#67
Ethyl Benzene
Concen: 9.801 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 157107

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

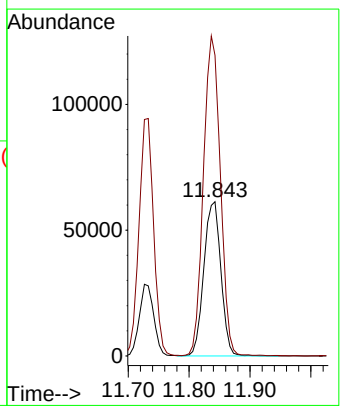


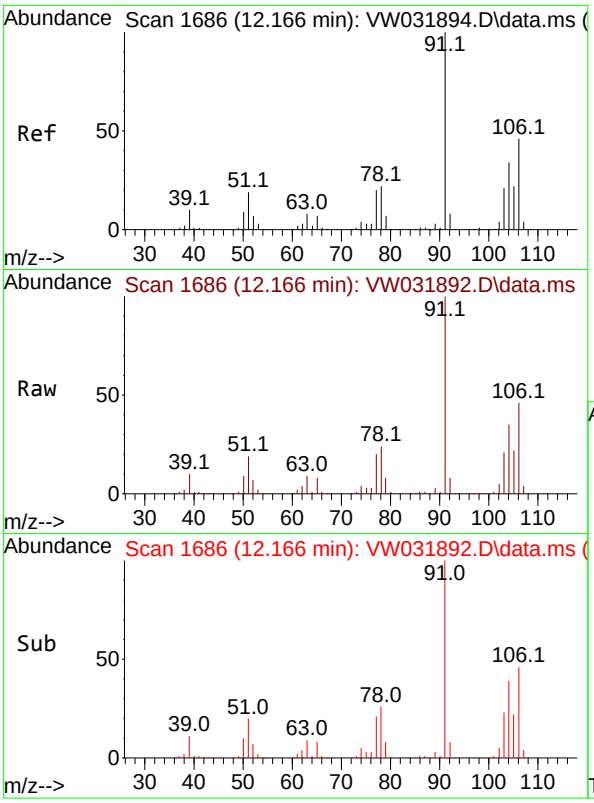


#68
m/p-Xylenes
Concen: 19.791 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:106 Resp: 119437

Ion	Ratio	Lower	Upper
106	100		
91	205.3	167.7	251.5



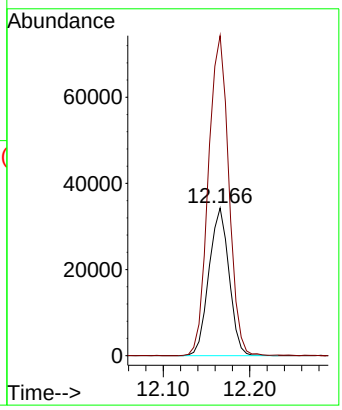


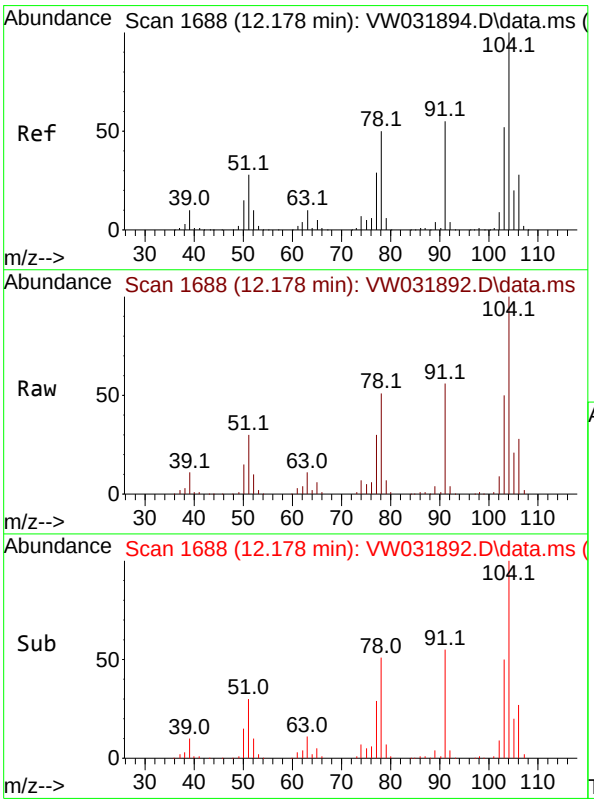
#69
o-Xylene
Concen: 9.684 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 55307

Ion	Ratio	Lower	Upper
106	100		
91	220.2	108.2	324.6

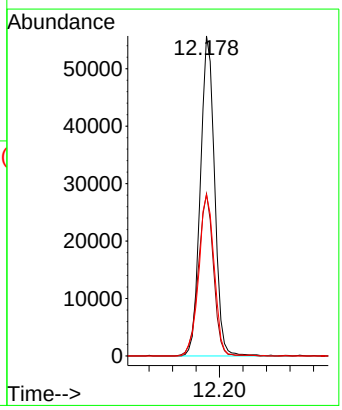


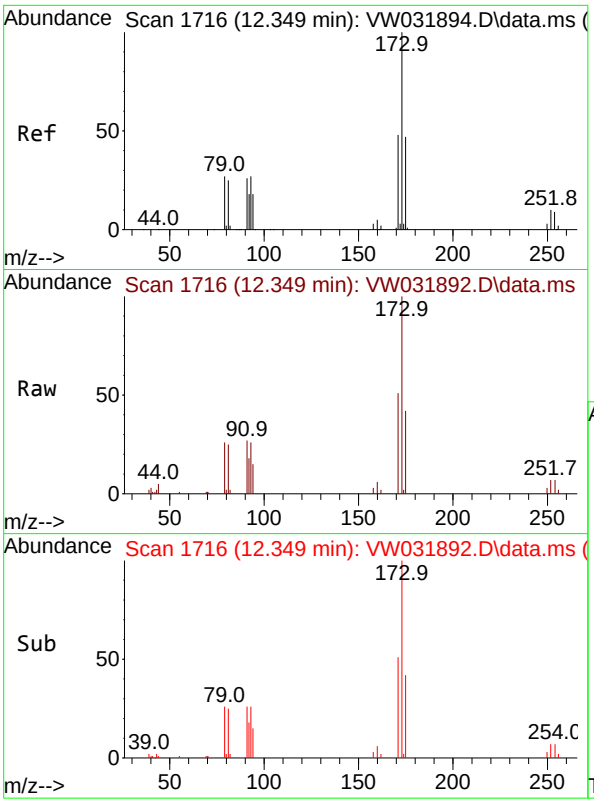


#70
Styrene
Concen: 9.660 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:104 Resp: 93933

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.5	42.8	64.2



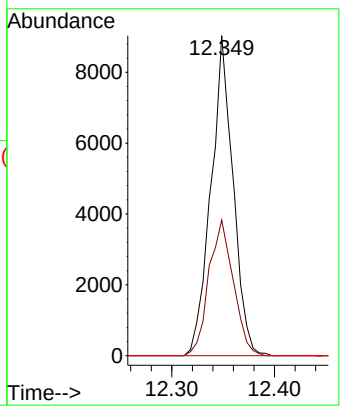


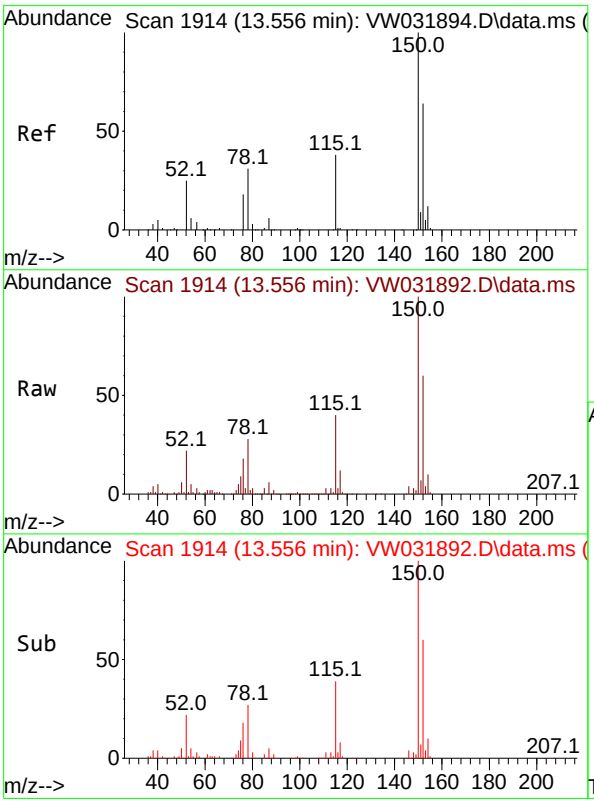
#71
Bromoform
Concen: 8.759 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 13549

Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.5	73.5
254	0.0	0.2	0.2#

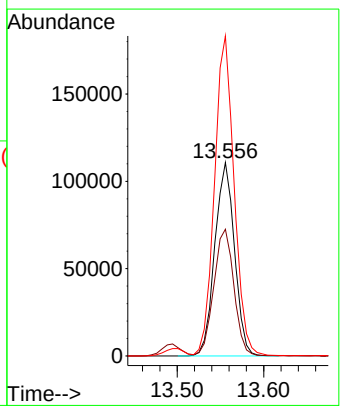


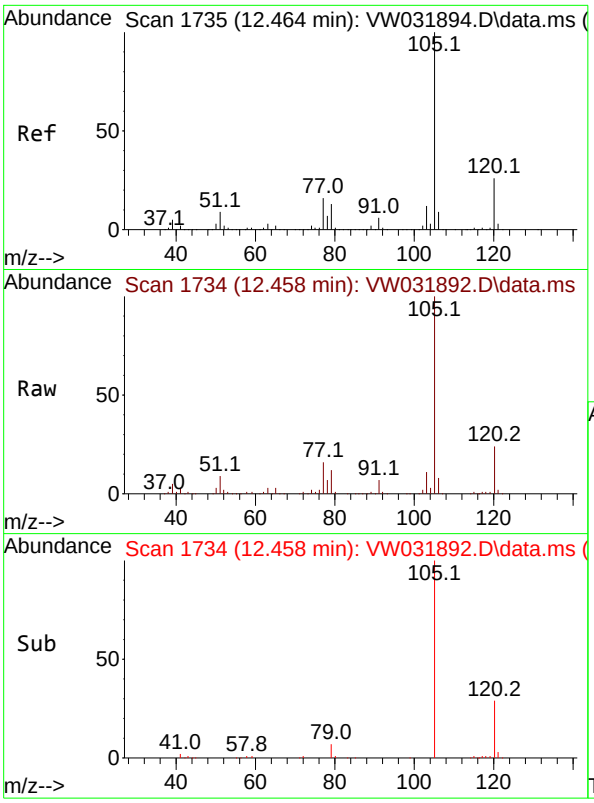


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:152 Resp: 174884

Ion	Ratio	Lower	Upper
152	100		
115	66.8	33.4	100.1
150	165.0	0.0	352.2



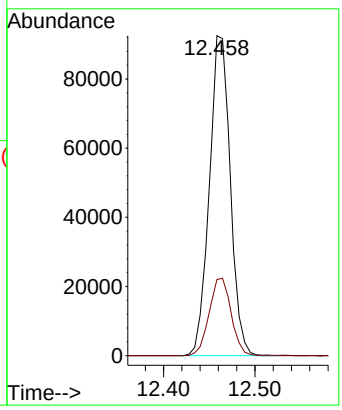


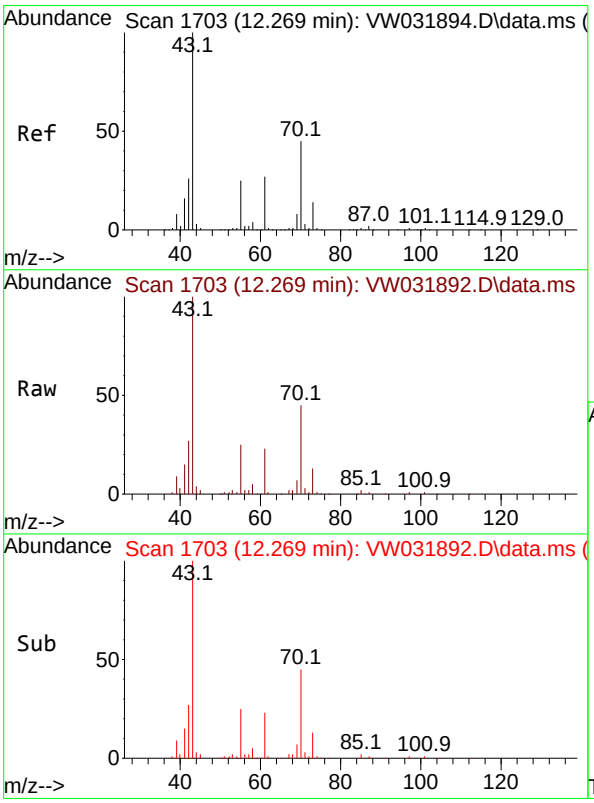
#73
Isopropylbenzene
Concen: 9.698 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 147152

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8

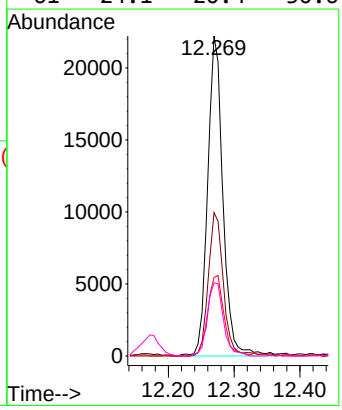


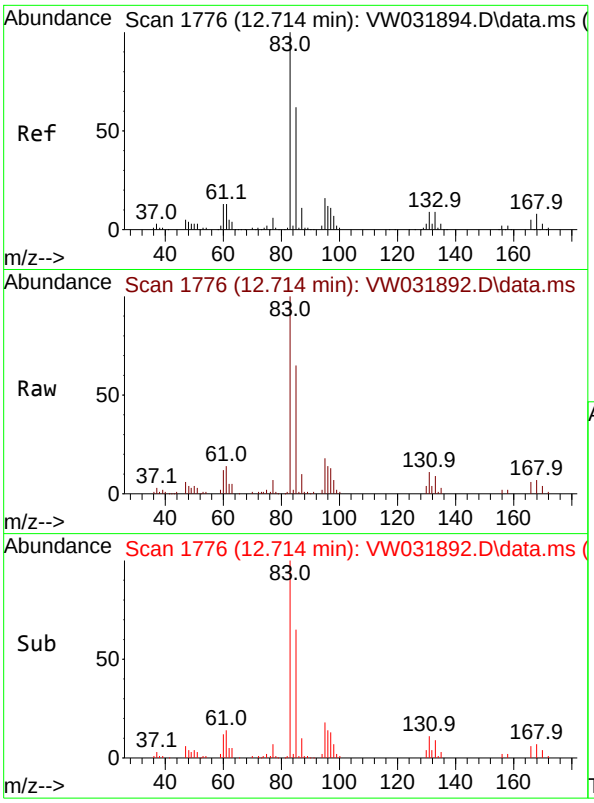


#74
N-amyl acetate
Concen: 8.774 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 43 Resp: 35992

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.6	55.0
55	26.5	20.7	31.1
61	24.1	20.4	30.6



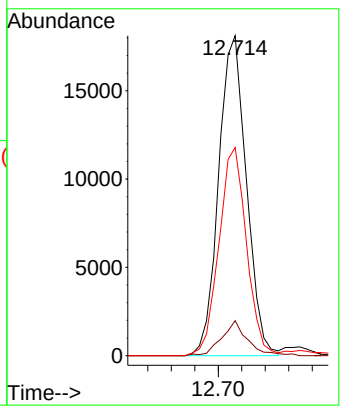


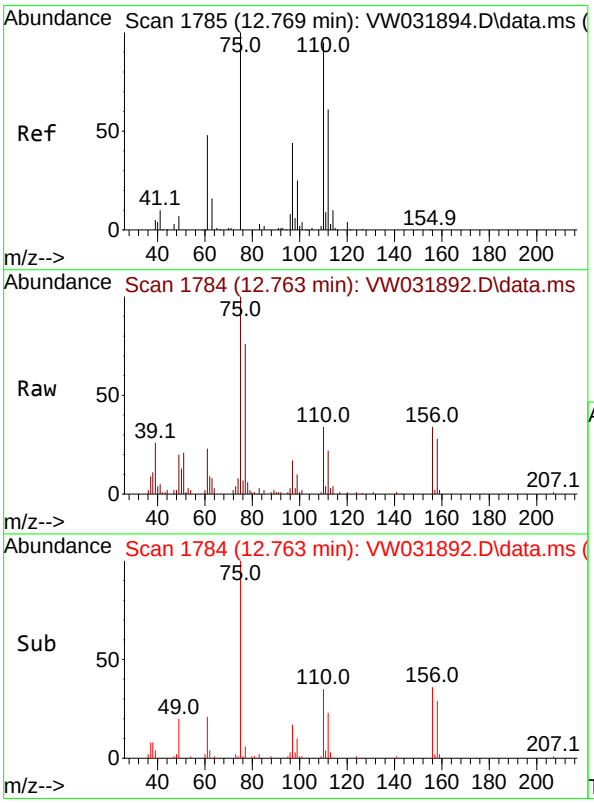
#75
1,1,2,2-Tetrachloroethane
Concen: 9.245 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 29777

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.4	31.8	95.3

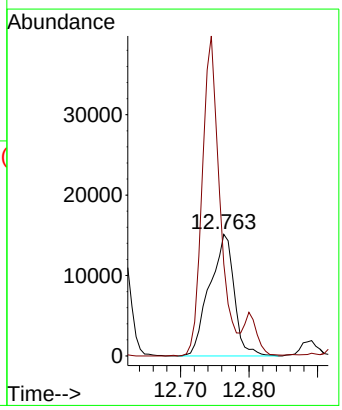


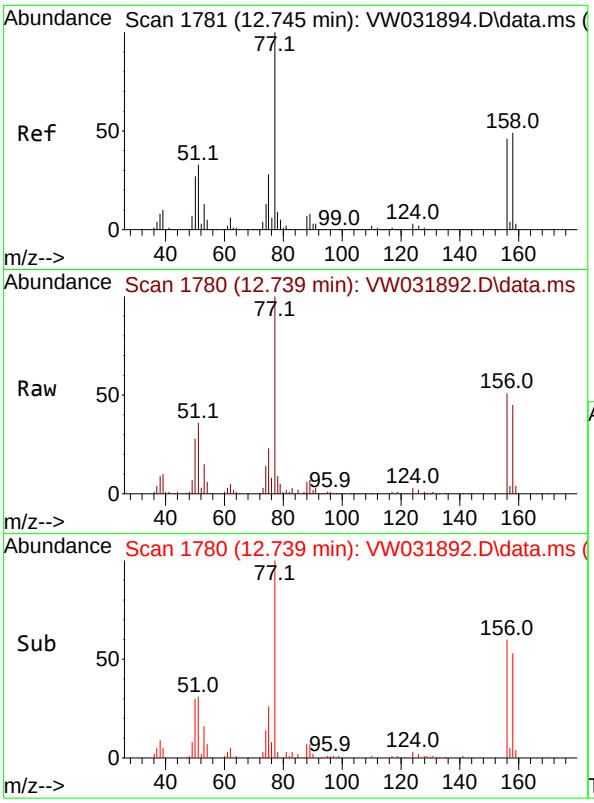


#76
1,2,3-Trichloropropane
Concen: 15.764 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 37743

Ion	Ratio	Lower	Upper
75	100		
77	190.1	0.0	0.0#



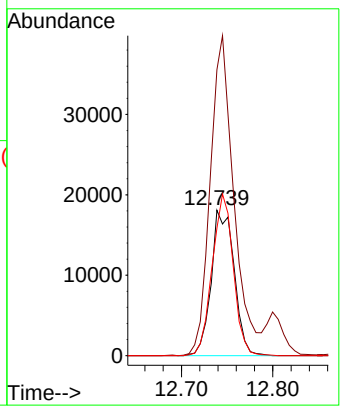


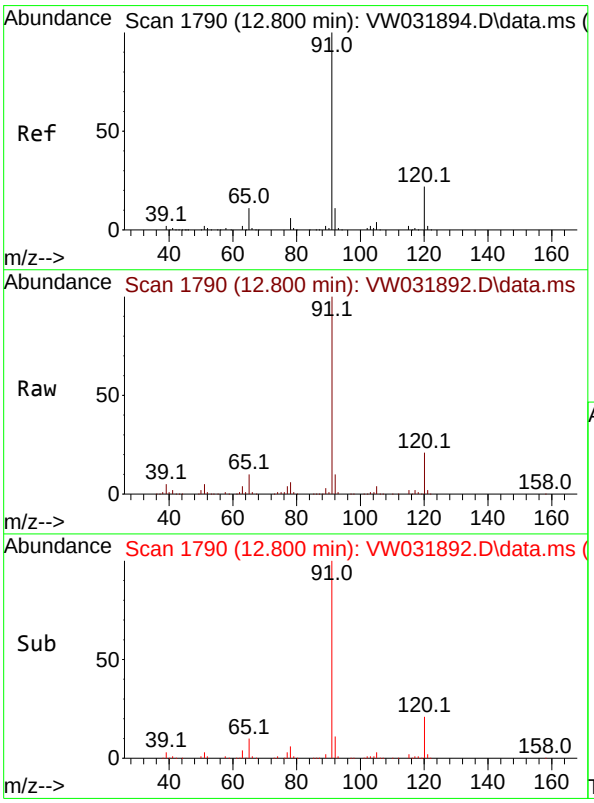
#77
Bromobenzene
Concen: 9.650 ug/l
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 31681

Ion	Ratio	Lower	Upper
156	100		
77	226.5	115.3	345.8
158	101.8	50.1	150.3

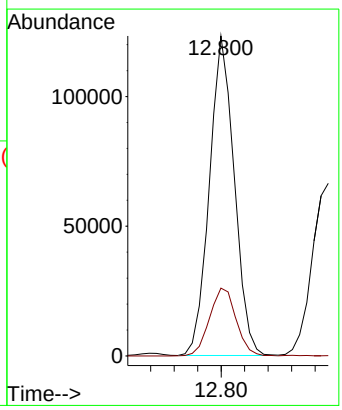


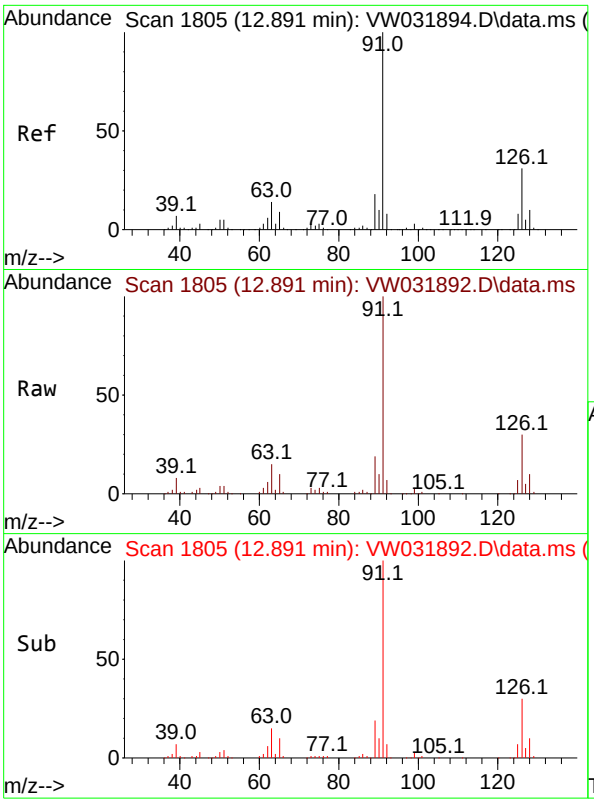


#78
n-propylbenzene
Concen: 9.709 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 180937

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.6



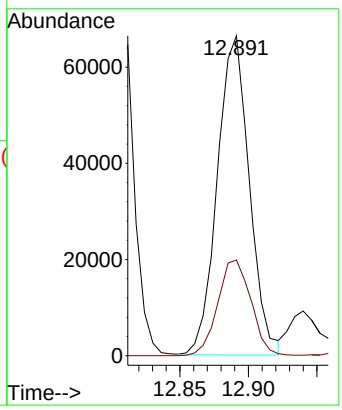


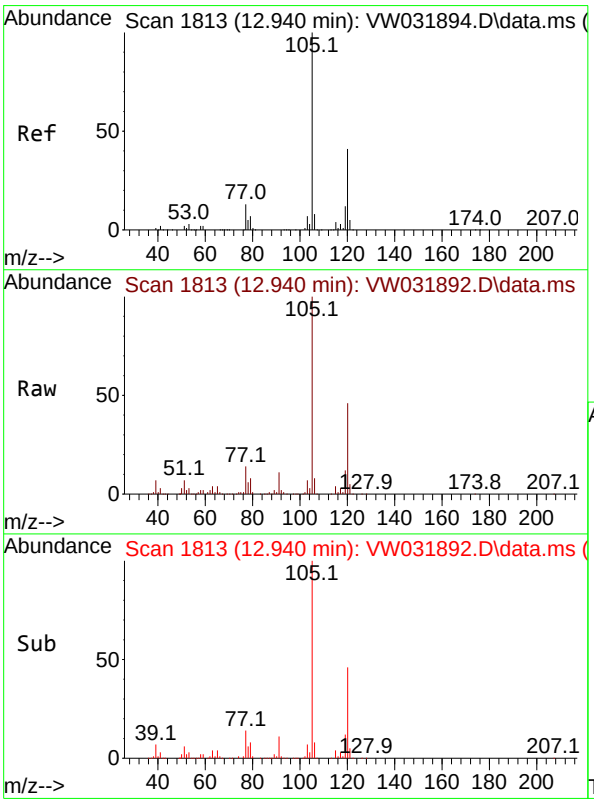
#79
2-Chlorotoluene
Concen: 9.716 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 108108

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8

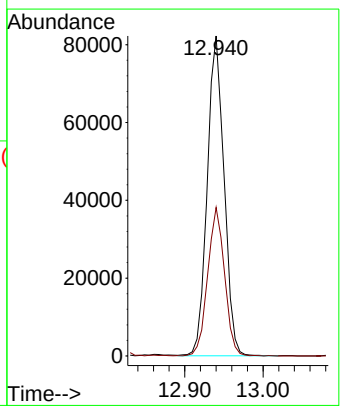


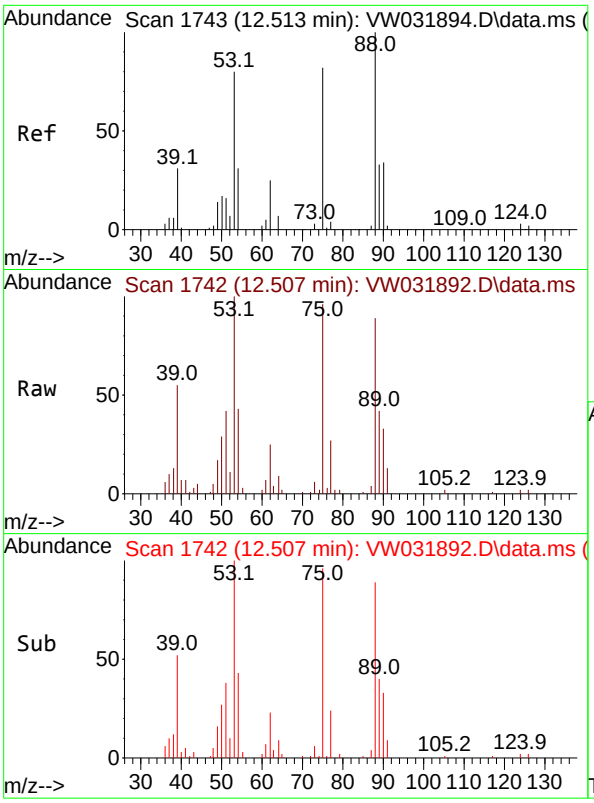


#80
1,3,5-Trimethylbenzene
Concen: 9.626 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 122504

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5



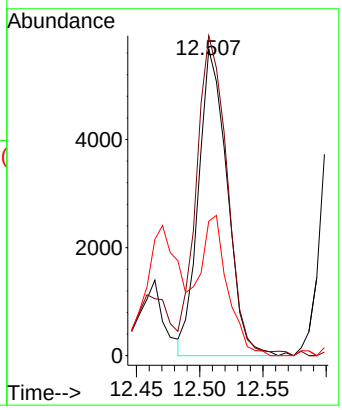


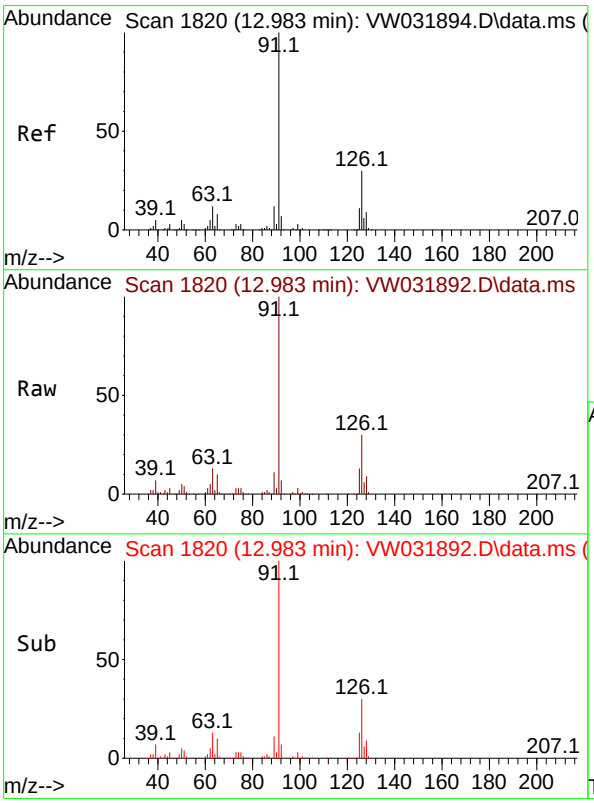
#81
trans-1,4-Dichloro-2-butene
Concen: 8.558 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 8950

Ion	Ratio	Lower	Upper
75	100		
53	112.4	83.7	125.5
89	46.0	39.0	58.6

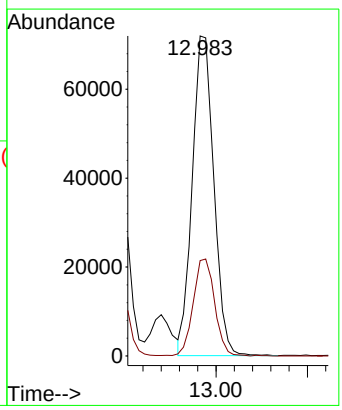


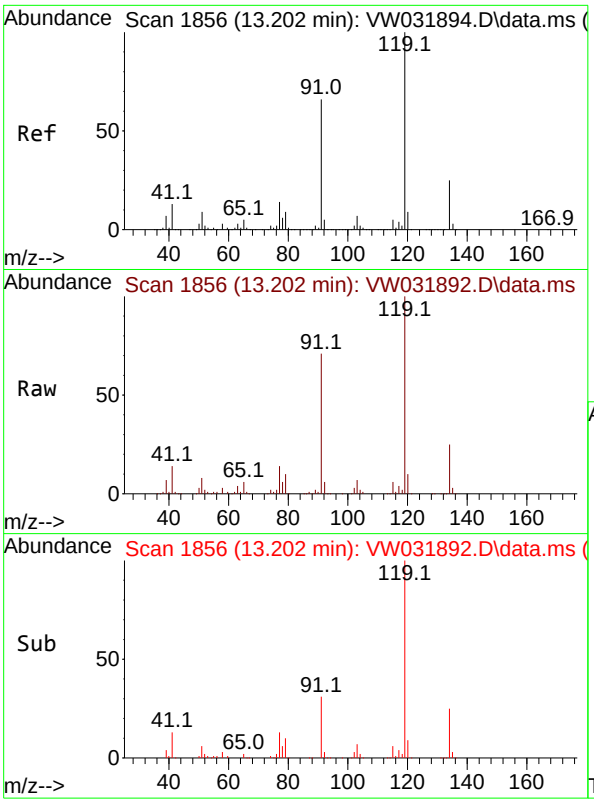


#82
4-Chlorotoluene
Concen: 10.068 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 91 Resp: 117523

Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.8	47.3



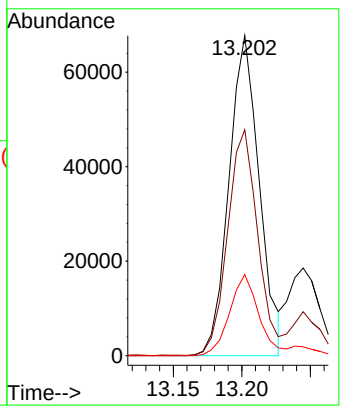


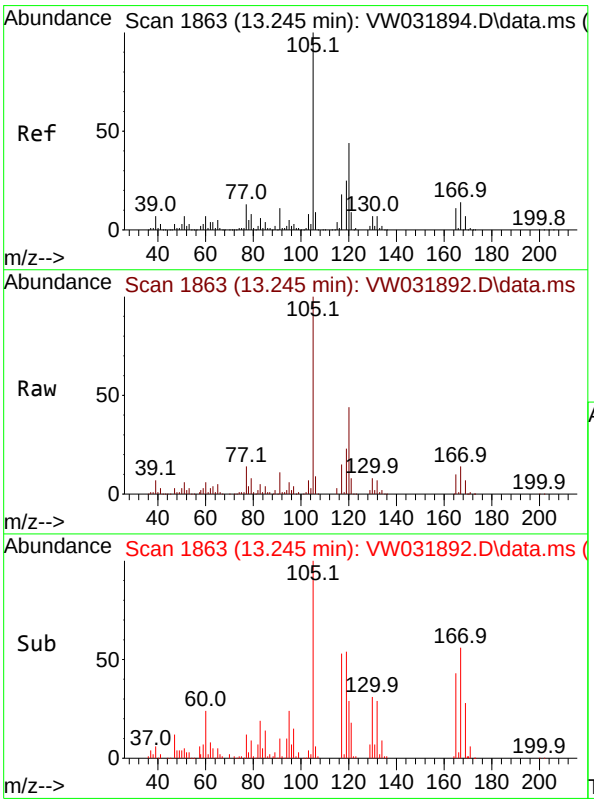
#83
tert-Butylbenzene
Concen: 9.630 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 104397

Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.5	106.5
134	24.5	12.4	37.0

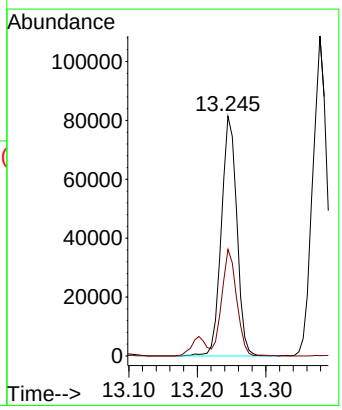


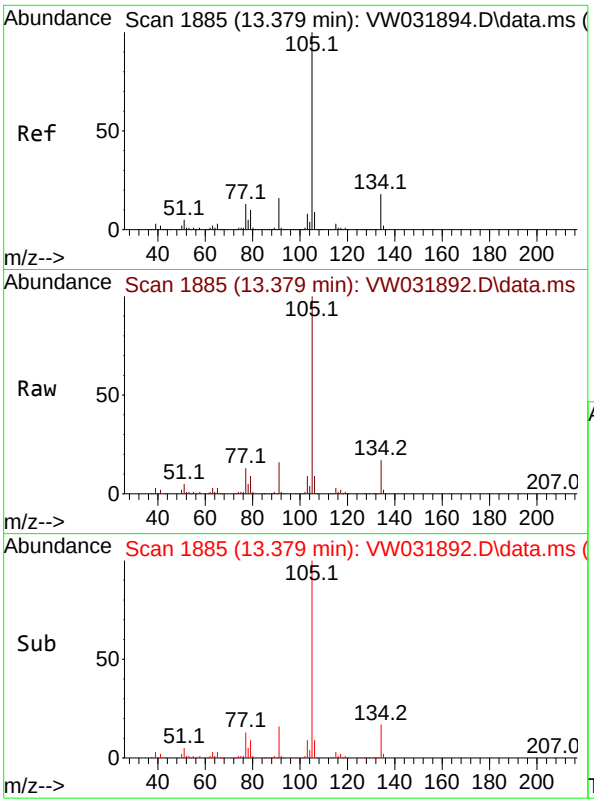


#84
1,2,4-Trimethylbenzene
Concen: 9.883 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:105 Resp: 127309

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.3	63.9



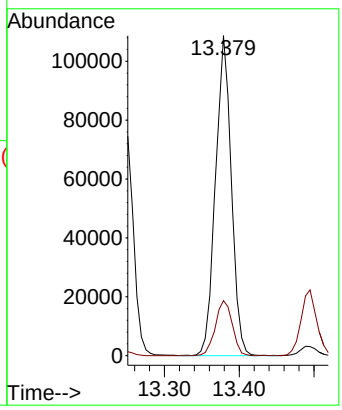


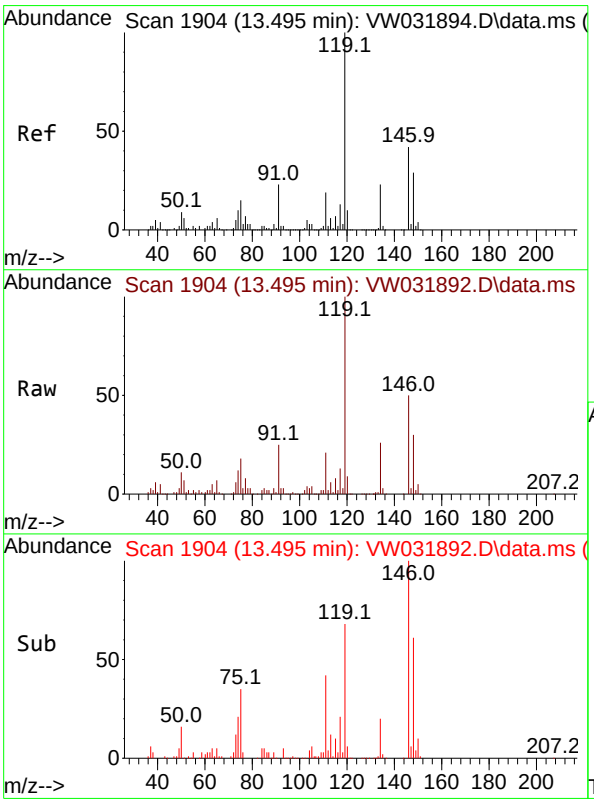
#85
sec-Butylbenzene
Concen: 9.861 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 160534

Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6

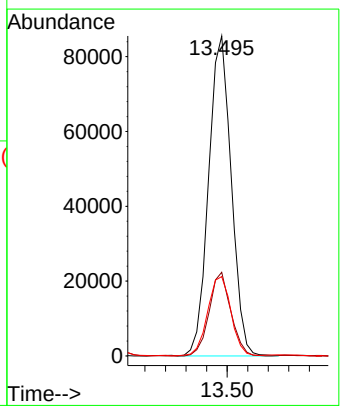


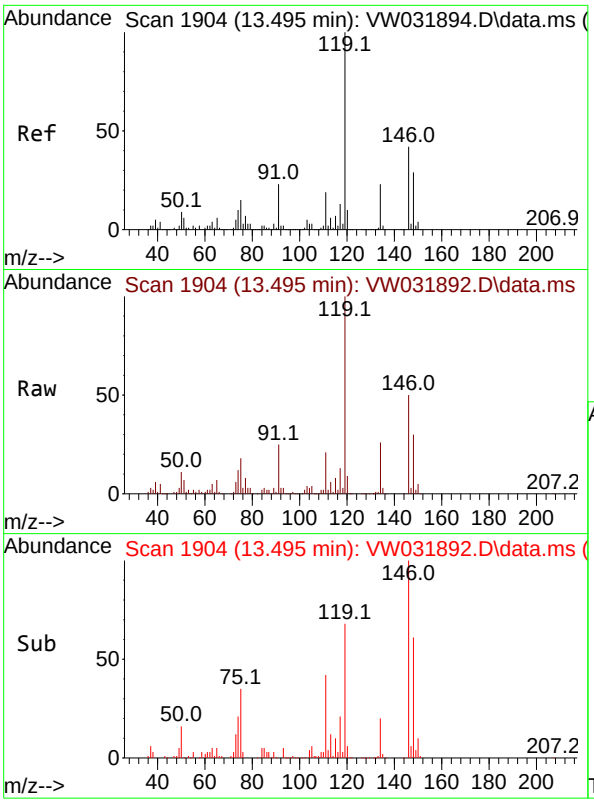


#86
p-Isopropyltoluene
Concen: 9.737 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:119 Resp: 131018

Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	25.3	12.7	38.1



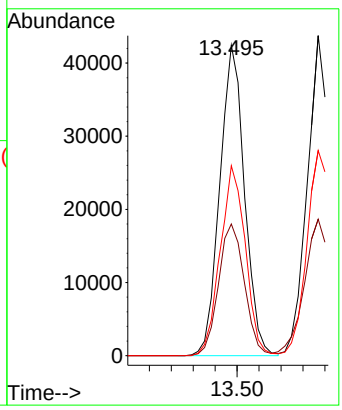


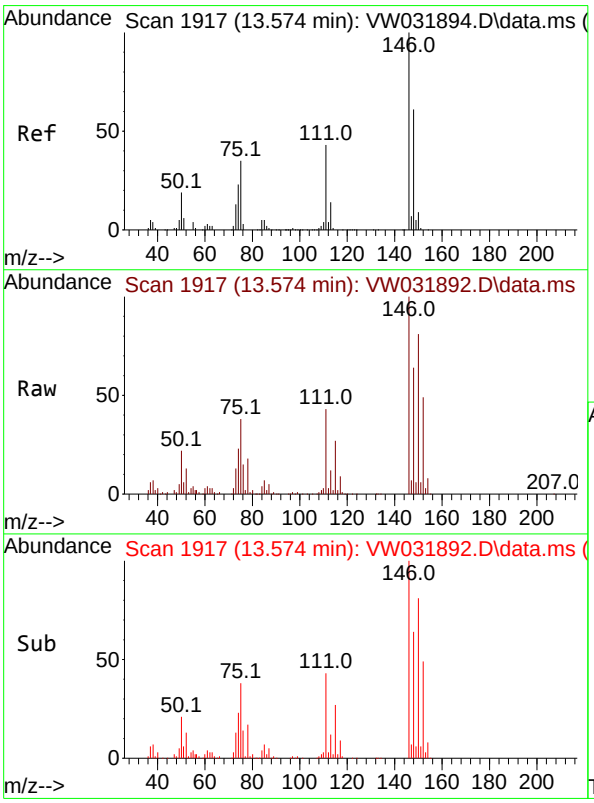
#87
1,3-Dichlorobenzene
Concen: 9.727 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 66474

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.7
148	62.3	31.9	95.5

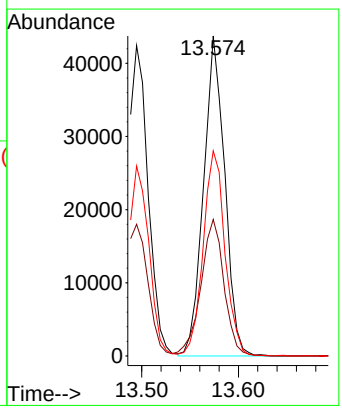


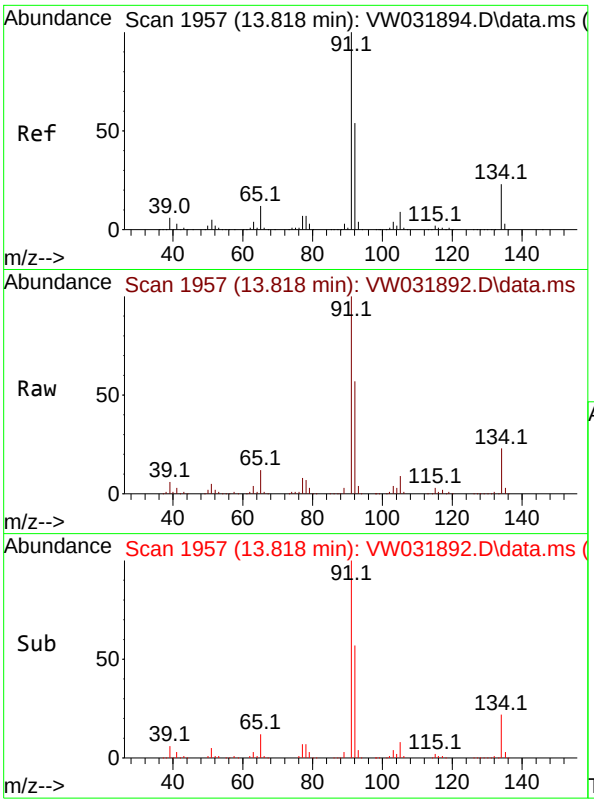


#88
1,4-Dichlorobenzene
Concen: 9.961 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:146 Resp: 66689

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.1	66.3
148	66.1	31.8	95.3



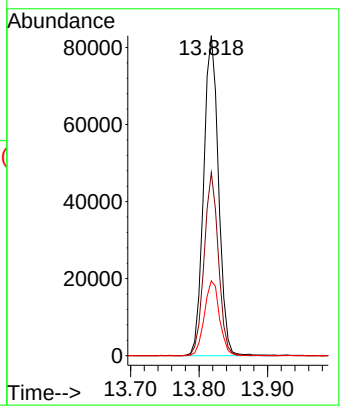


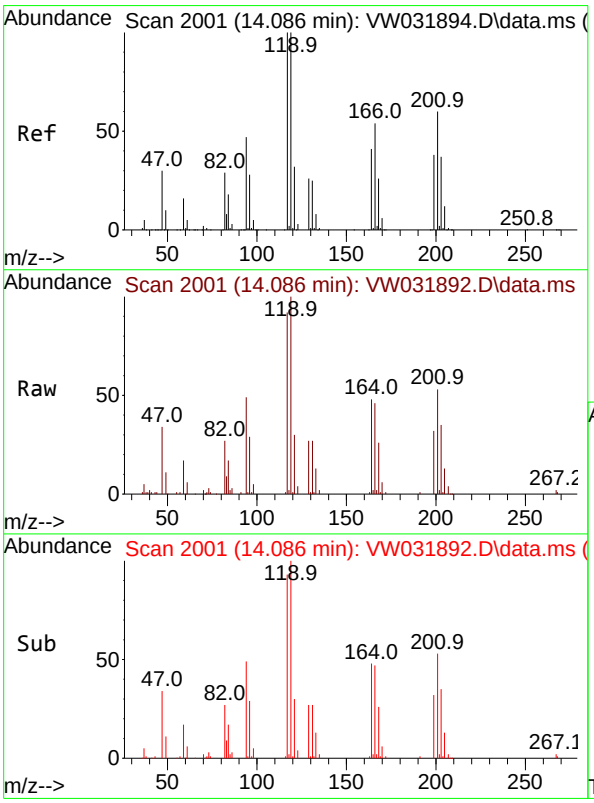
#89
n-Butylbenzene
Concen: 9.534 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 125846

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	23.7	11.6	34.7

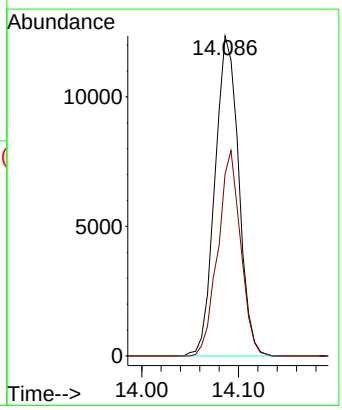


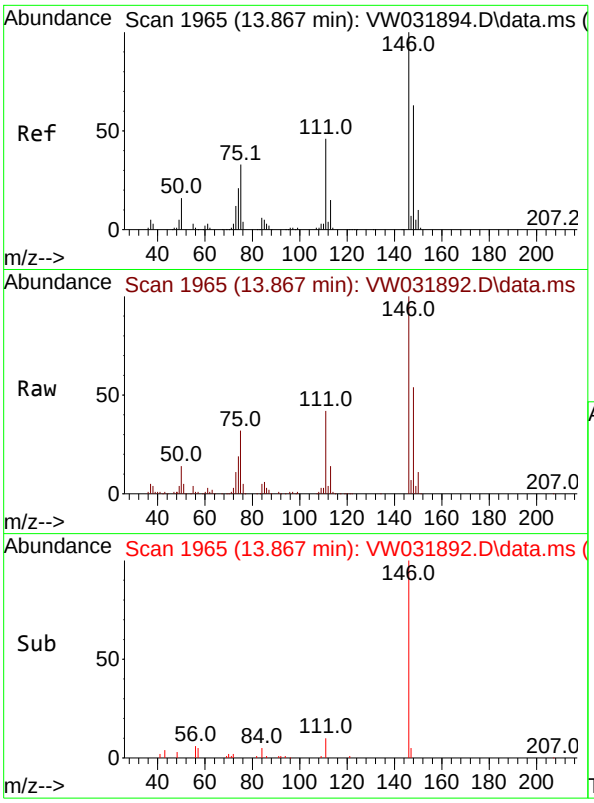


#90
Hexachloroethane
Concen: 9.026 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:117 Resp: 21002

Ion	Ratio	Lower	Upper
117	100		
201	61.7	28.4	85.2



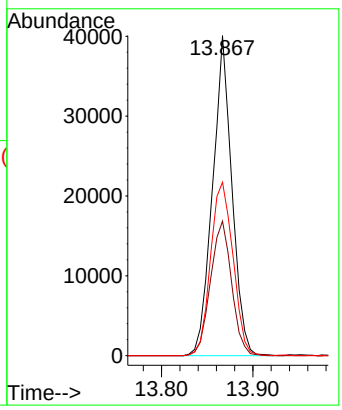


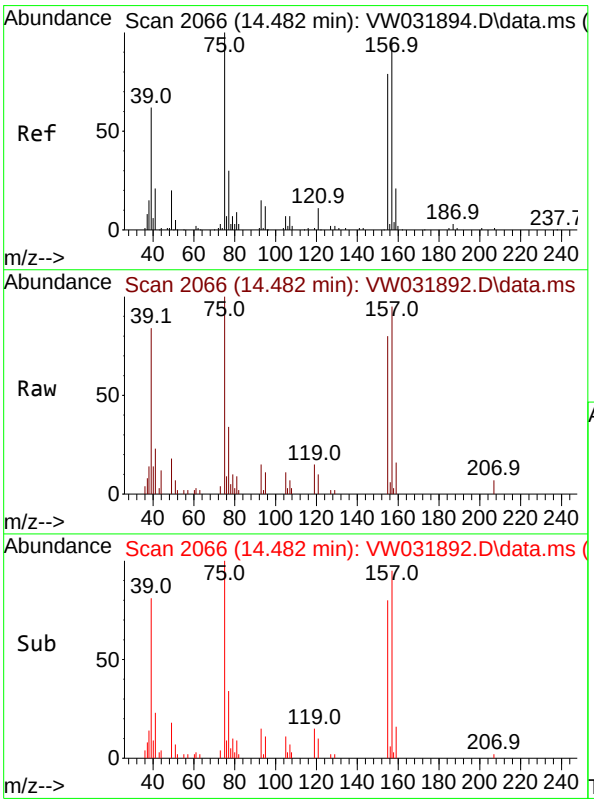
#91
1,2-Dichlorobenzene
Concen: 9.785 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 59263

Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.6	71.0
148	62.5	32.4	97.2

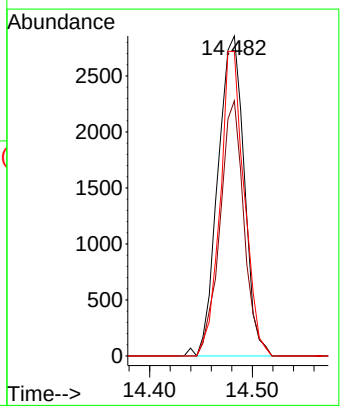


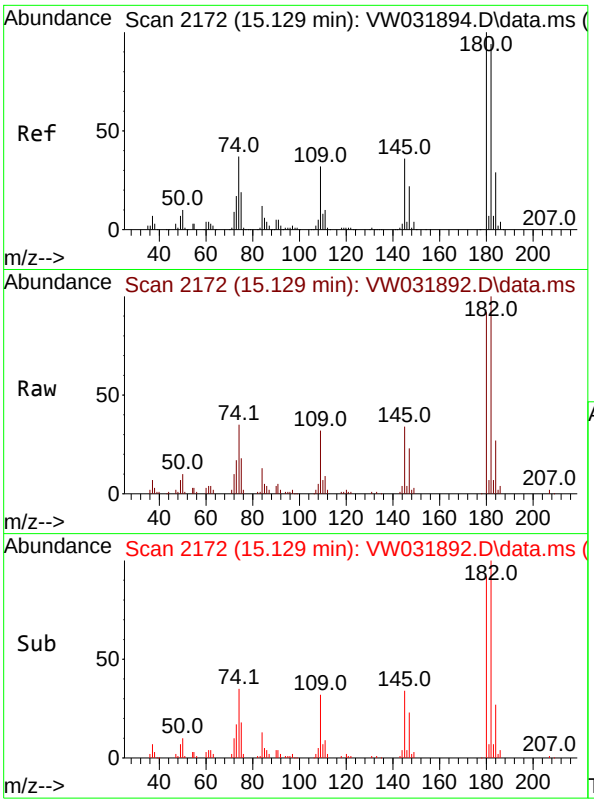


#92
1,2-Dibromo-3-Chloropropane
Concen: 8.716 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion: 75 Resp: 5072

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	87.2	47.4	142.2



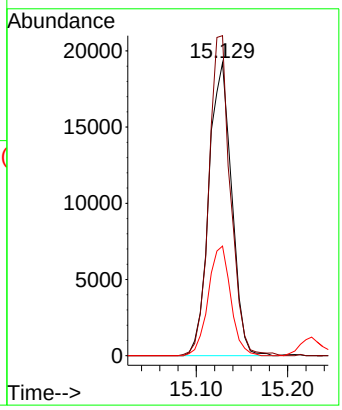


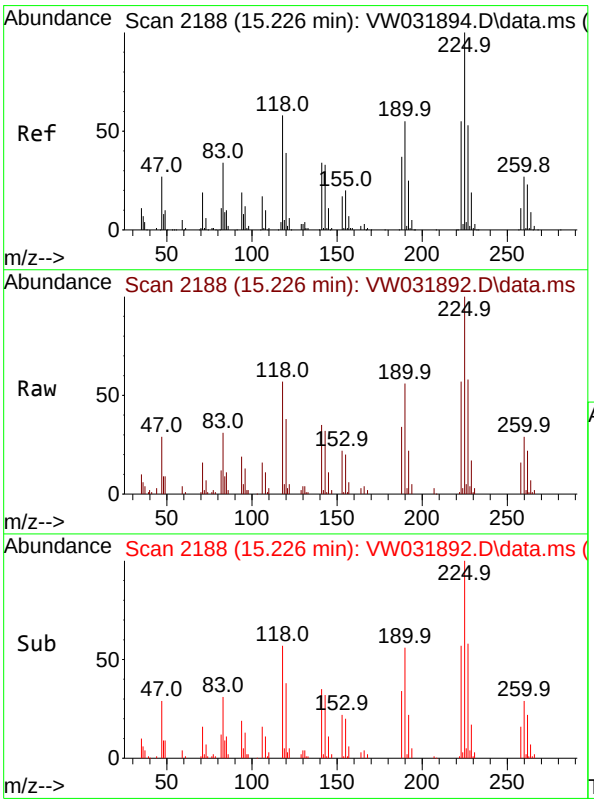
#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 33290

Ion	Ratio	Lower	Upper
180	100		
182	103.4	51.0	153.1
145	36.8	18.4	55.4

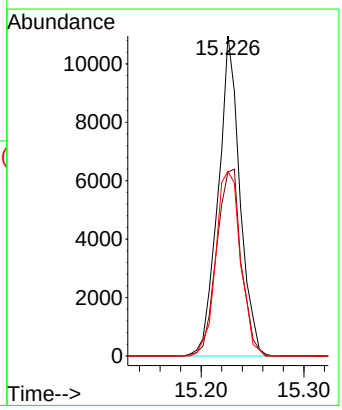


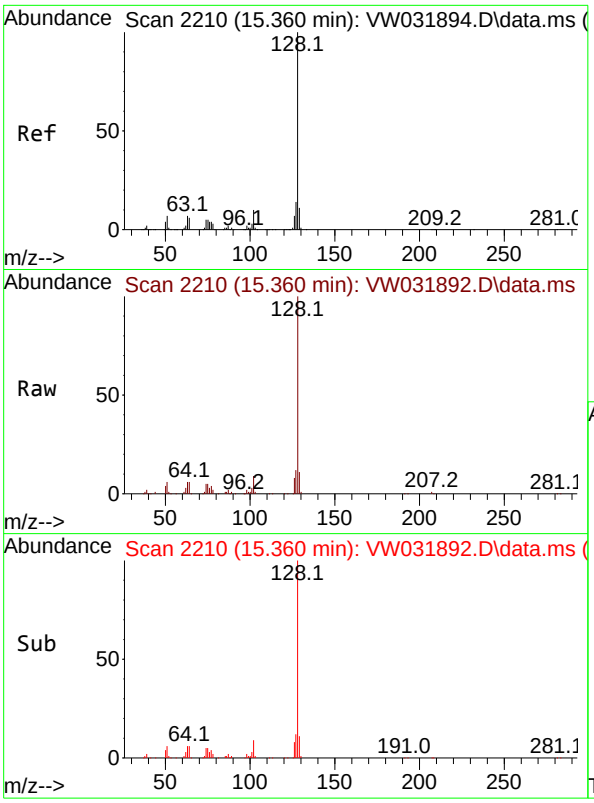


#94
Hexachlorobutadiene
Concen: 9.281 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:225 Resp: 16064

Ion	Ratio	Lower	Upper
225	100		
223	66.2	30.9	92.7
227	65.6	30.0	90.1



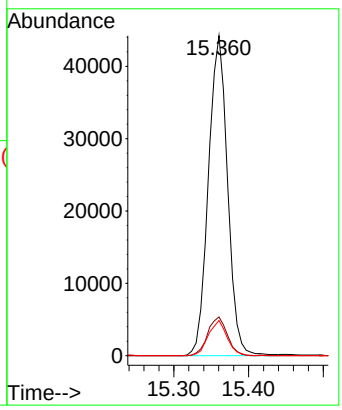


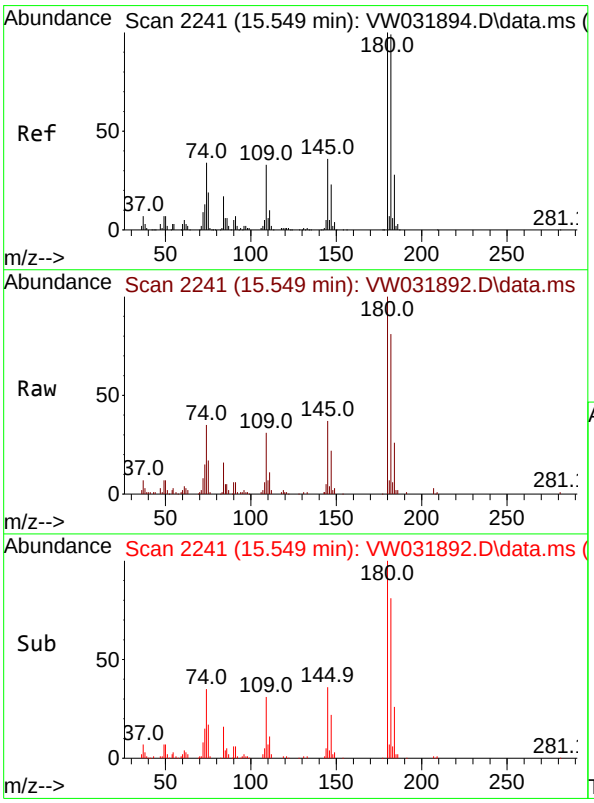
#95
Naphthalene
Concen: 8.792 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 78956

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.7	16.1
129	10.8	9.2	13.8

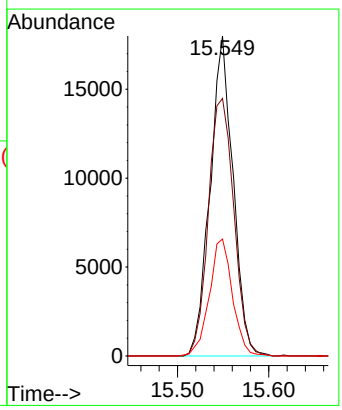




#96
1,2,3-Trichlorobenzene
Concen: 9.486 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031892.D
Acq: 22 Jul 2025 09:37

Tgt Ion:180 Resp: 31394

Ion	Ratio	Lower	Upper
180	100		
182	89.3	50.4	151.2
145	36.9	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	229449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	369653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71753	20.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.340%#		
35) Dibromofluoromethane	7.892	113	57971	20.372	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.740%#		
50) Toluene-d8	10.325	98	222244	20.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.617	95	86515	20.921	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	32547	19.086	ug/l	91
3) Chloromethane	2.253	50	42396	19.370	ug/l	99
4) Vinyl Chloride	2.405	62	56162	19.752	ug/l	95
5) Bromomethane	2.826	94	40732	19.454	ug/l	94
6) Chloroethane	2.972	64	36178	19.279	ug/l	98
7) Trichlorofluoromethane	3.302	101	52674	18.291	ug/l	97
8) Diethyl Ether	3.716	74	39501	20.534	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	53456	19.298	ug/l	98
10) Methyl Iodide	4.301	142	82715	19.972	ug/l	99
11) Tert butyl alcohol	5.222	59	21622	105.975	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59622	19.488	ug/l	97
13) Acrolein	3.930	56	34117	115.420	ug/l	99
14) Allyl chloride	4.704	41	94691	19.882	ug/l	99
15) Acrylonitrile	5.399	53	89035	103.525	ug/l	99
16) Acetone	4.161	43	85144	103.374	ug/l	96
17) Carbon Disulfide	4.417	76	156802	19.761	ug/l	100
18) Methyl Acetate	4.710	43	48524	21.384	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	110536	20.910	ug/l	94
20) Methylene Chloride	4.948	84	83480	20.998	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	63984	19.711	ug/l	97
22) Diisopropyl ether	6.332	45	193706	20.325	ug/l	94
23) Vinyl Acetate	6.283	43	629578	101.117	ug/l	98
24) 1,1-Dichloroethane	6.246	63	116889	19.699	ug/l	98
25) 2-Butanone	7.191	43	121949	108.213	ug/l	98
26) 2,2-Dichloropropane	7.185	77	63903	19.023	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	75384	19.753	ug/l	98
28) Bromochloromethane	7.526	49	50074	20.156	ug/l #	15
29) Tetrahydrofuran	7.551	42	78147	105.769	ug/l	99
30) Chloroform	7.691	83	125023	20.096	ug/l	97
31) Cyclohexane	7.965	56	98980	18.594	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	92496	19.538	ug/l	98
36) 1,1-Dichloropropene	8.093	75	87130	19.938	ug/l	100
37) Ethyl Acetate	7.277	43	50830	20.390	ug/l	100
38) Carbon Tetrachloride	8.081	117	84031	20.036	ug/l	99
39) Methylcyclohexane	9.337	83	106658	19.394	ug/l	97
40) Benzene	8.331	78	262100	20.261	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	29705	20.230	ug/l		92
42) 1,2-Dichloroethane	8.410	62	86447	20.880	ug/l		99
43) Isopropyl Acetate	8.435	43	93094	20.628	ug/l		99
44) Trichloroethene	9.099	130	59670	19.406	ug/l		91
45) 1,2-Dichloropropane	9.374	63	63028	20.231	ug/l		99
46) Dibromomethane	9.465	93	40434	20.937	ug/l		98
47) Bromodichloromethane	9.648	83	93907	20.278	ug/l		98
48) Methyl methacrylate	9.441	41	45551	21.215	ug/l		99
49) 1,4-Dioxane	9.465	88	7579	393.293	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.209	43	265574	107.527	ug/l		100
52) Toluene	10.392	92	168089	20.213	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	89603	20.170	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	100637	19.838	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	52531	20.477	ug/l		91
56) Ethyl methacrylate	10.648	69	74127	20.460	ug/l		99
57) 1,3-Dichloropropane	10.934	76	94430	20.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	191363	102.829	ug/l		100
59) 2-Hexanone	10.971	43	184643	107.552	ug/l		98
60) Dibromochloromethane	11.129	129	60033	20.071	ug/l		99
61) 1,2-Dibromoethane	11.233	107	53321	21.035	ug/l		96
64) Tetrachloroethene	10.867	164	49304	20.230	ug/l		93
65) Chlorobenzene	11.654	112	185932	20.552	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	58246	20.767	ug/l		97
67) Ethyl Benzene	11.727	91	320050	20.134	ug/l		100
68) m/p-Xylenes	11.837	106	245015	40.945	ug/l		97
69) o-Xylene	12.166	106	114484	20.216	ug/l		97
70) Styrene	12.178	104	198720	20.610	ug/l		99
71) Bromoform	12.349	173	30762	20.055	ug/l	#	97
73) Isopropylbenzene	12.459	105	294447	19.474	ug/l		100
74) N-amyl acetate	12.270	43	82784	20.253	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	67200	20.939	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	84092	35.248	ug/l	#	100
77) Bromobenzene	12.745	156	68424	20.916	ug/l		91
78) n-propylbenzene	12.800	91	367105	19.769	ug/l		100
79) 2-Chlorotoluene	12.891	91	221355	19.964	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	252317	19.898	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	20950	20.104	ug/l		96
82) 4-Chlorotoluene	12.983	91	230806	19.843	ug/l		100
83) tert-Butylbenzene	13.202	119	211034	19.537	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	254520	19.830	ug/l		98
85) sec-Butylbenzene	13.379	105	320882	19.782	ug/l		100
86) p-Isopropyltoluene	13.495	119	262000	19.541	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	140624	20.650	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	138374	20.743	ug/l		97
89) n-Butylbenzene	13.818	91	255308	19.411	ug/l		99
90) Hexachloroethane	14.086	117	45174	19.485	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	123056	20.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11802	20.355	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	72217	19.842	ug/l		93
94) Hexachlorobutadiene	15.226	225	33880	19.644	ug/l		98
95) Naphthalene	15.360	128	176597	19.736	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	63227	19.173	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

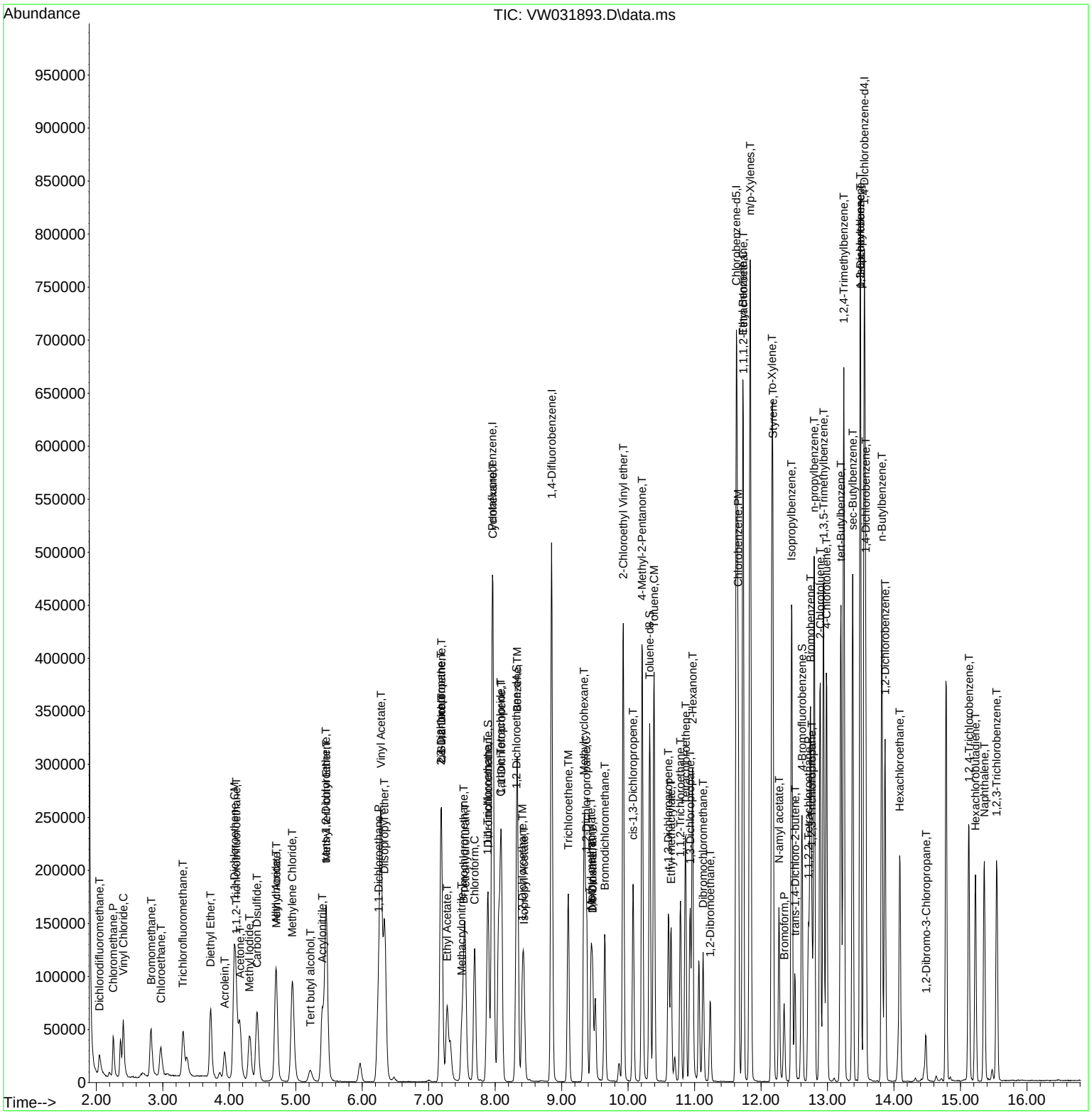
(#) = qualifier out of range (m) = manual integration (+) = signals summed

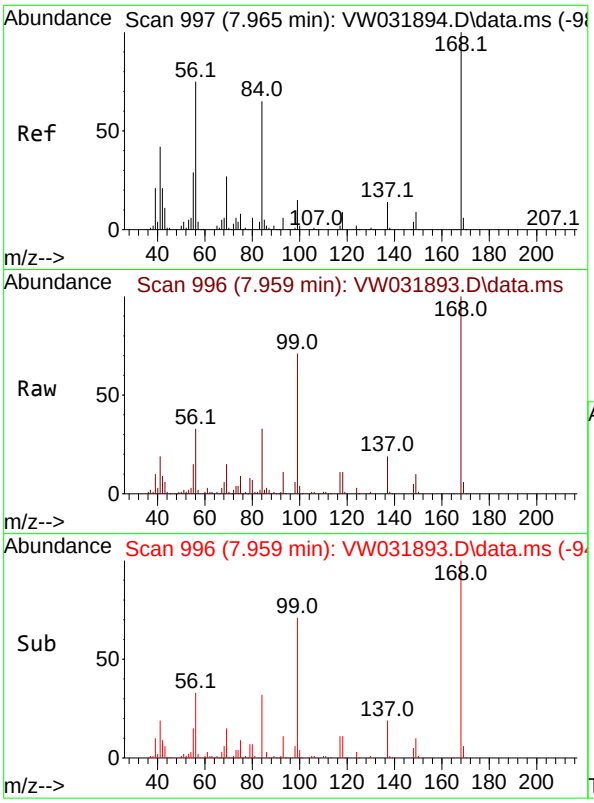
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



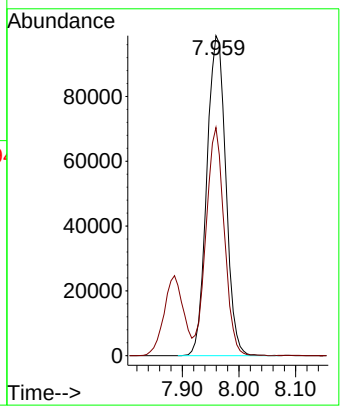


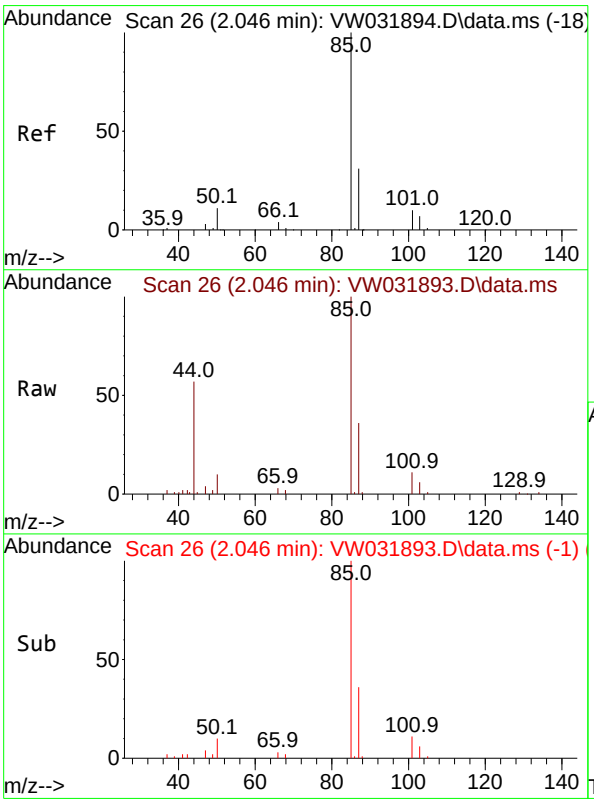
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 229449

Ion	Ratio	Lower	Upper
168	100		
99	71.2	48.2	72.2

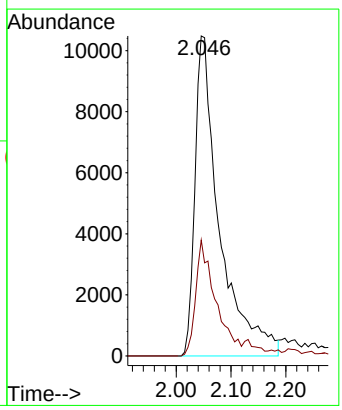


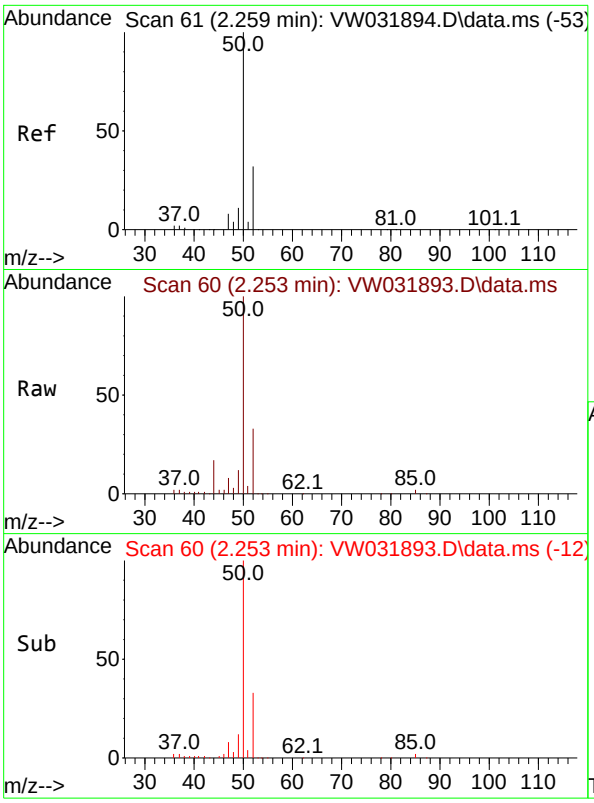


#2
Dichlorodifluoromethane
Concen: 19.086 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 85 Resp: 32547

Ion	Ratio	Lower	Upper
85	100		
87	36.2	15.5	46.5



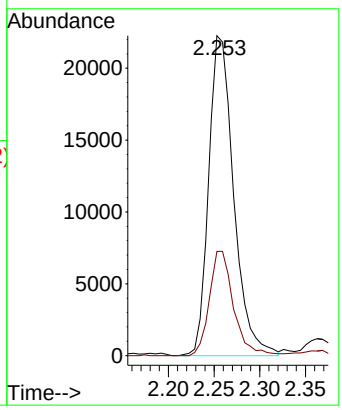


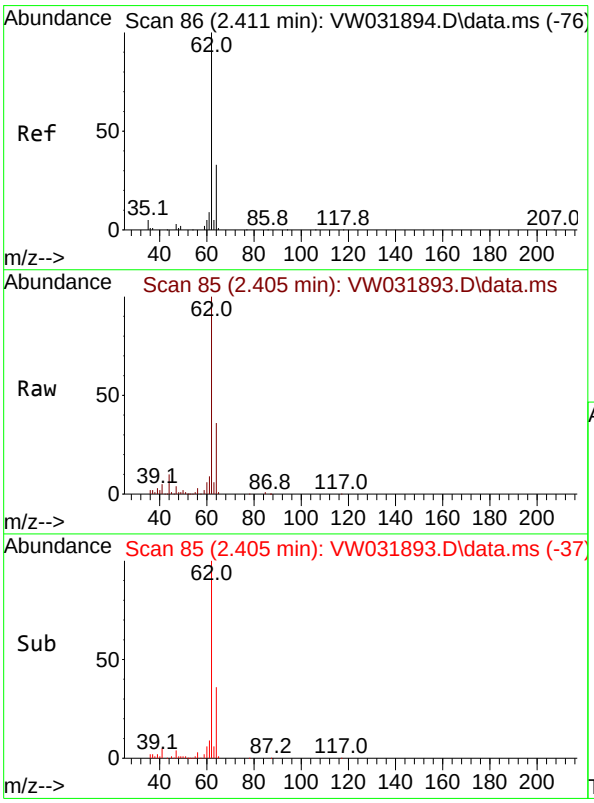
#3
Chloromethane
Concen: 19.370 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 42396

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5

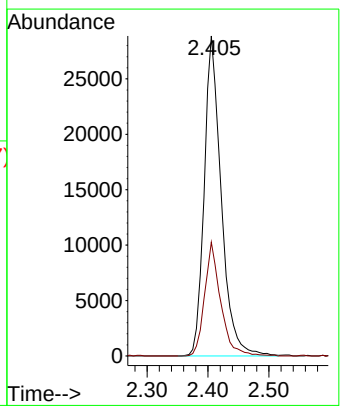


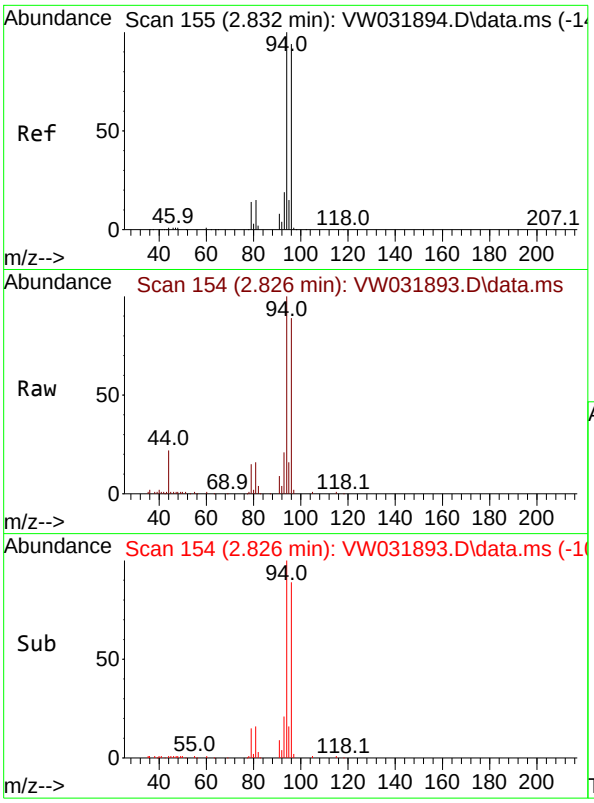


#4
Vinyl Chloride
Concen: 19.752 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 56162

Ion	Ratio	Lower	Upper
62	100		
64	35.5	26.2	39.2



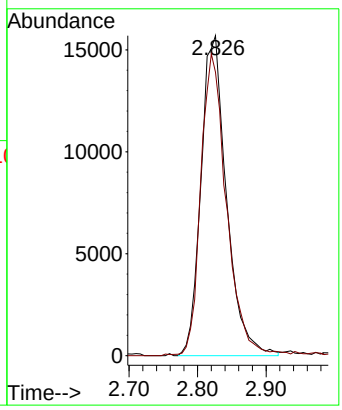


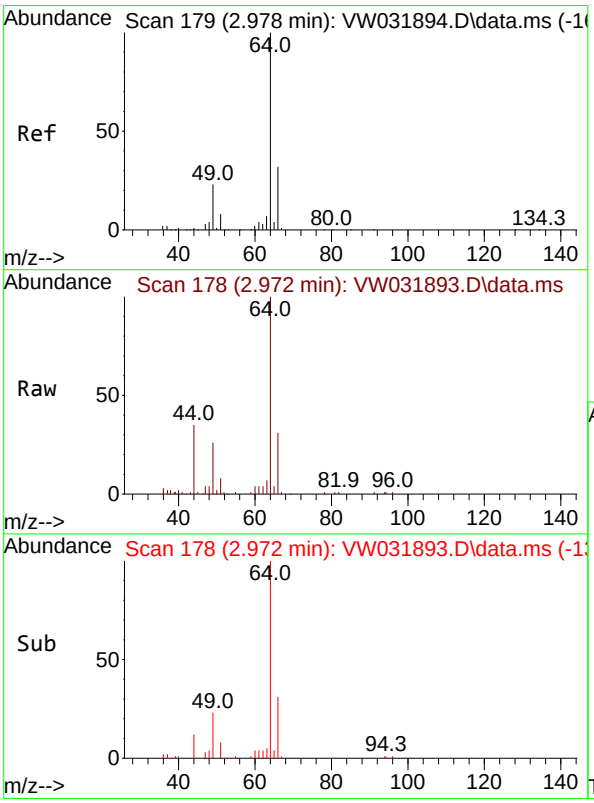
#5
Bromomethane
Concen: 19.454 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 40732

Ion	Ratio	Lower	Upper
94	100		
96	88.1	75.0	112.6

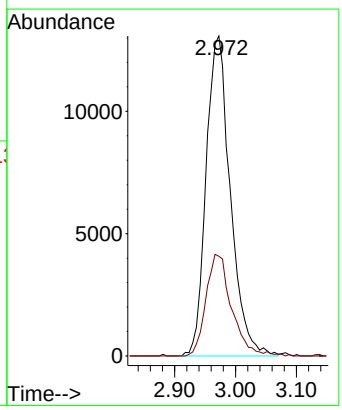


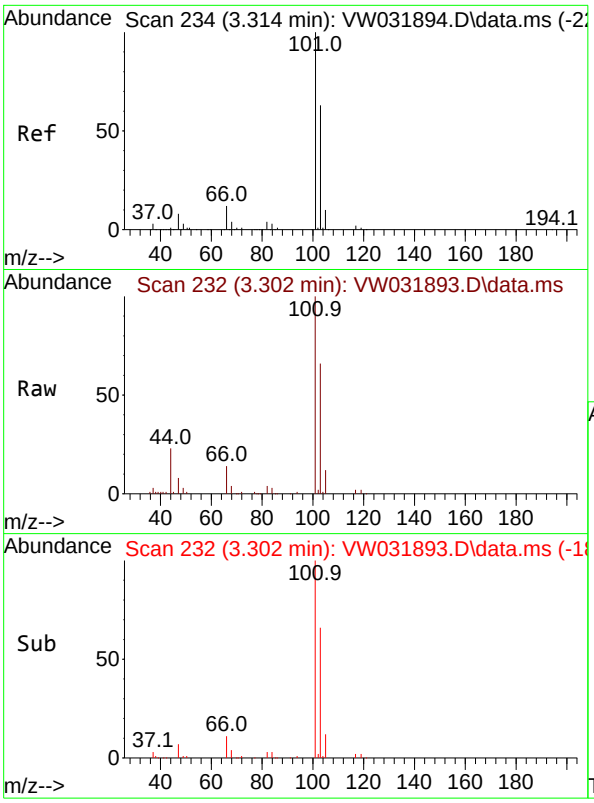


#6
Chloroethane
Concen: 19.279 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 64 Resp: 36178

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.6	38.4



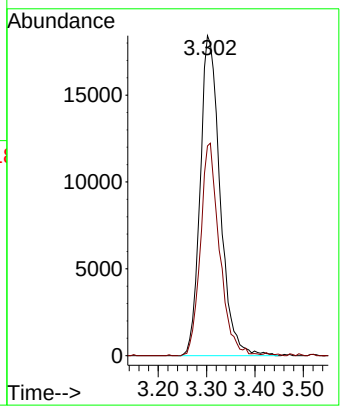


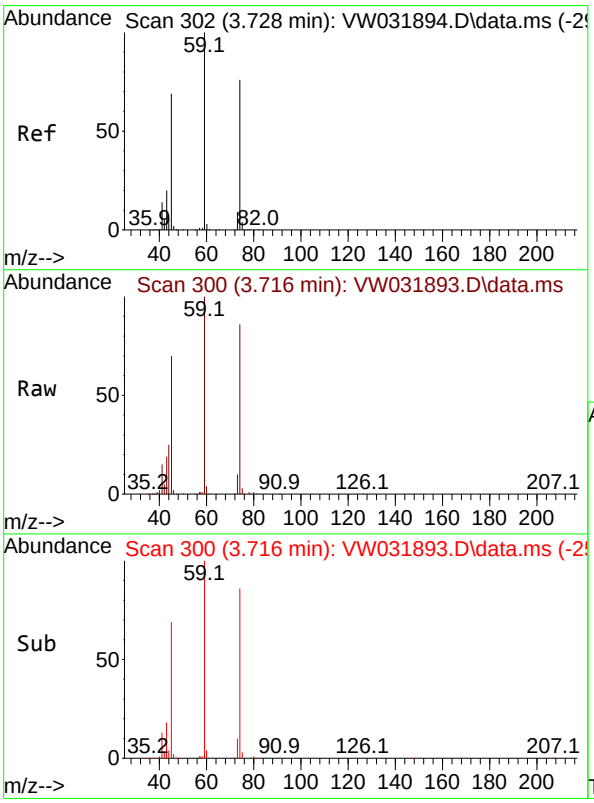
#7
Trichlorofluoromethane
Concen: 18.291 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 52674

Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

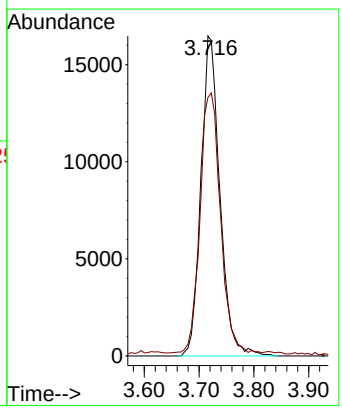


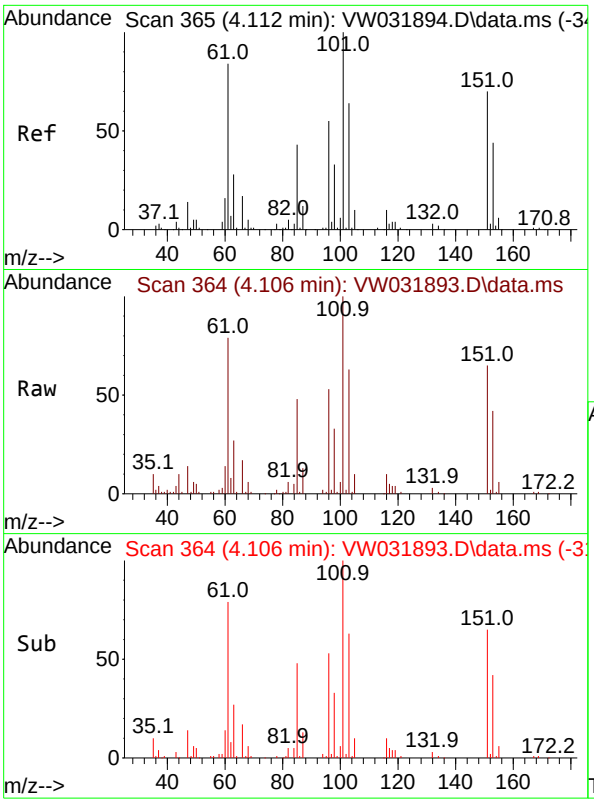


#8
Diethyl Ether
Concen: 20.534 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 74 Resp: 39501

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.5	136.5



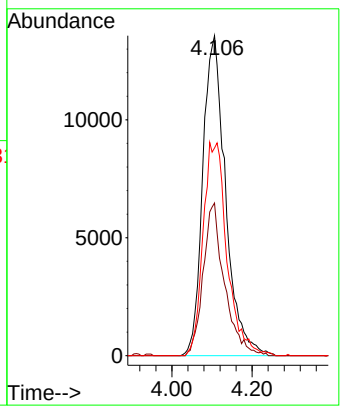


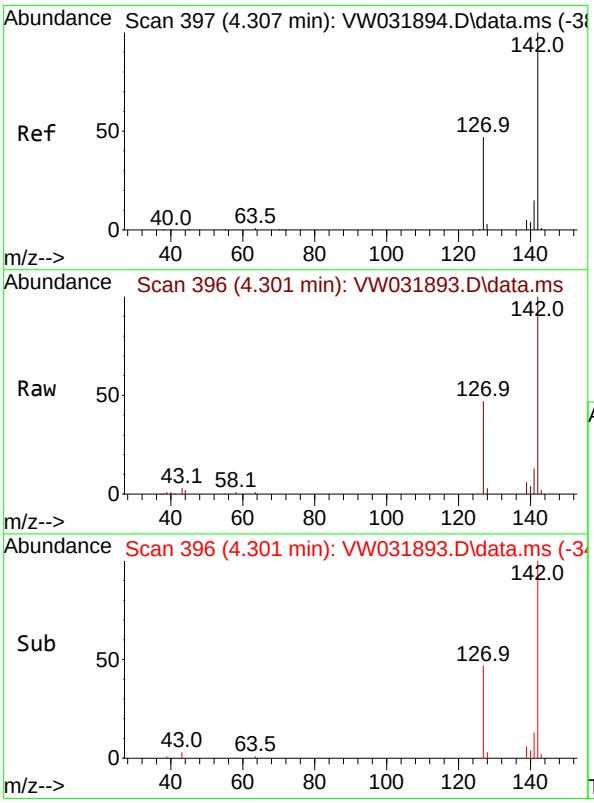
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.298 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 53456

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	70.2	54.6	81.8

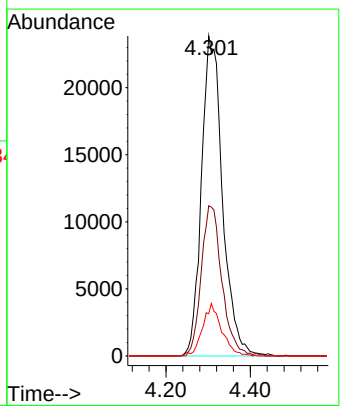


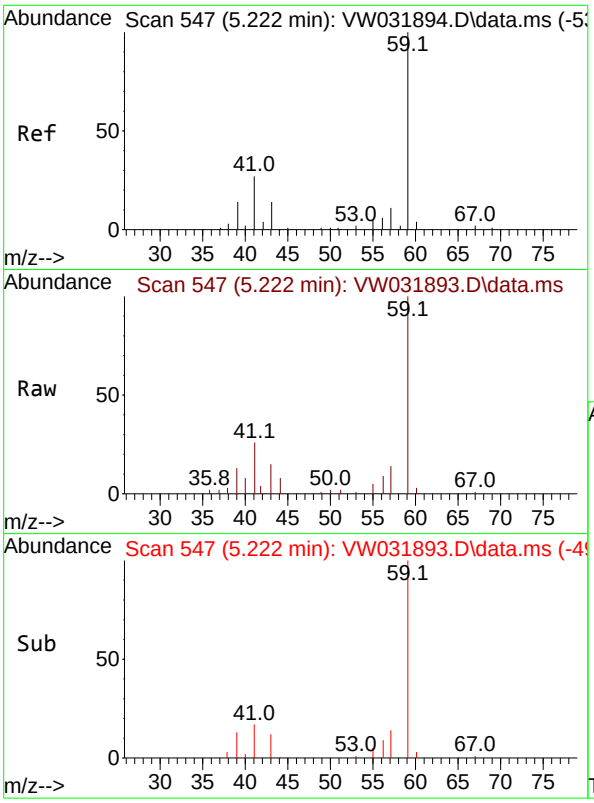


#10
Methyl Iodide
Concen: 19.972 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:142 Resp: 82715

Ion	Ratio	Lower	Upper
142	100		
127	46.2	37.4	56.2
141	14.8	11.9	17.9



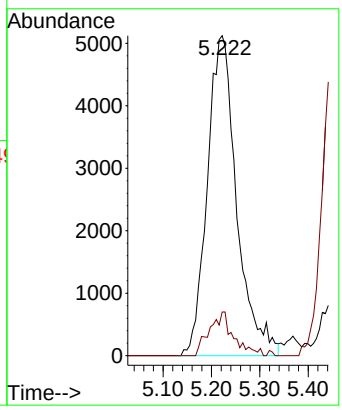


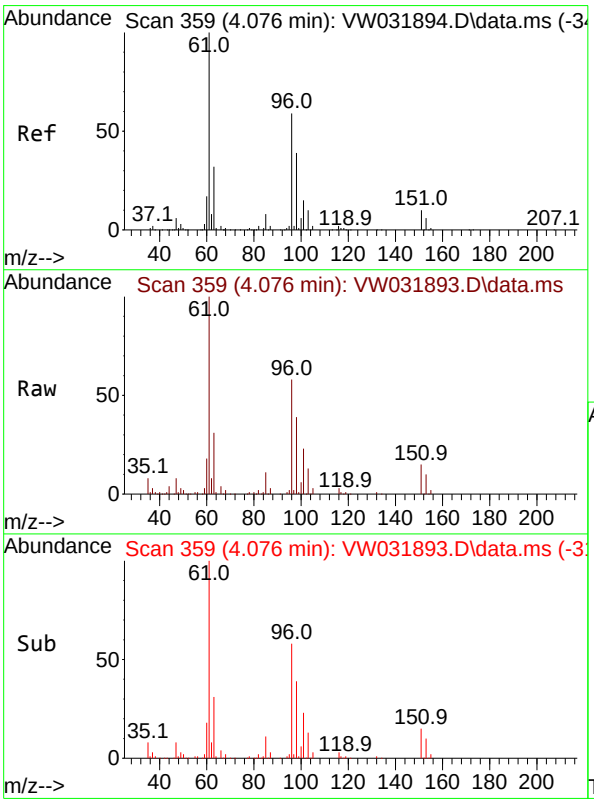
#11
Tert butyl alcohol
Concen: 105.975 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 21622

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

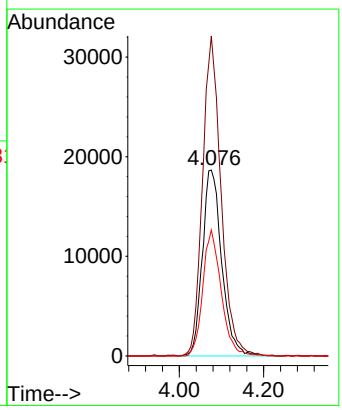


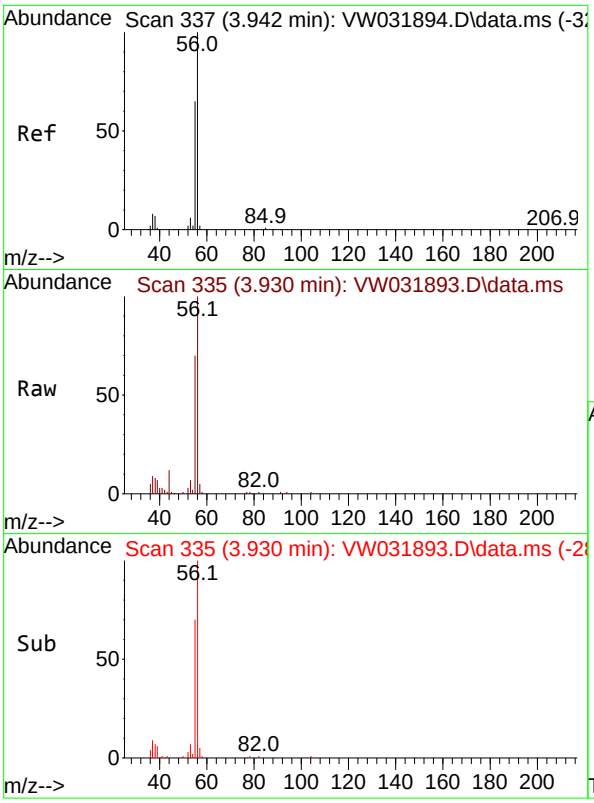


#12
1,1-Dichloroethene
Concen: 19.488 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 96 Resp: 59622

Ion	Ratio	Lower	Upper
96	100		
61	172.2	135.0	202.6
98	67.7	52.3	78.5



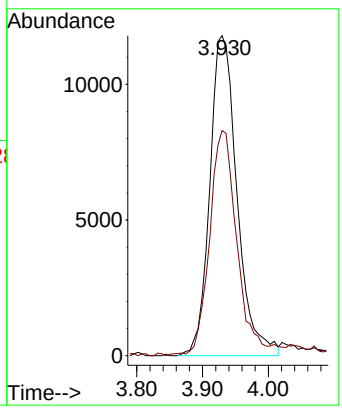


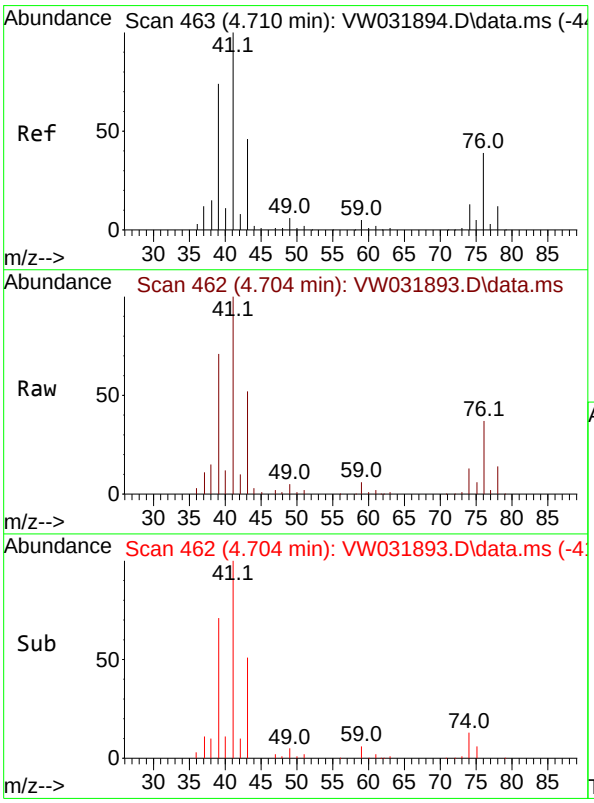
#13
Acrolein
Concen: 115.420 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 34117

Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.7	85.1

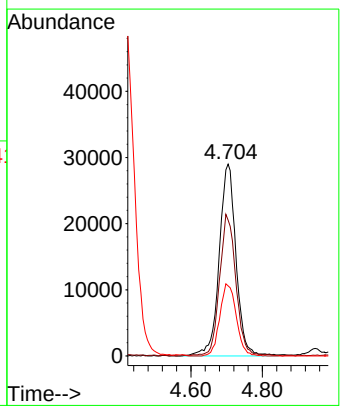


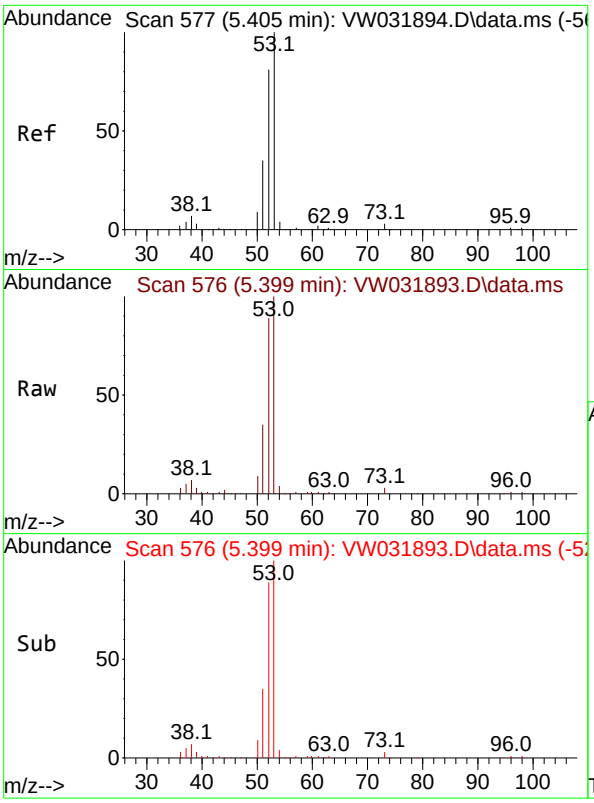


#14
Allyl chloride
Concen: 19.882 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 94691

Ion	Ratio	Lower	Upper
41	100		
39	71.5	56.6	85.0
76	36.8	30.1	45.1



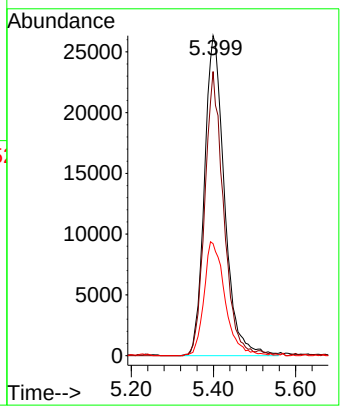


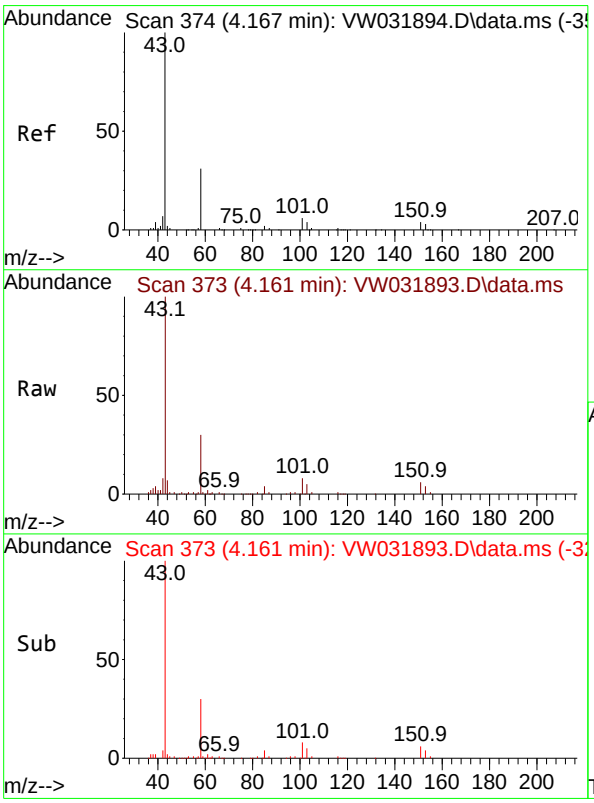
#15
Acrylonitrile
Concen: 103.525 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 89035

Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.0	100.4
51	37.5	29.9	44.9

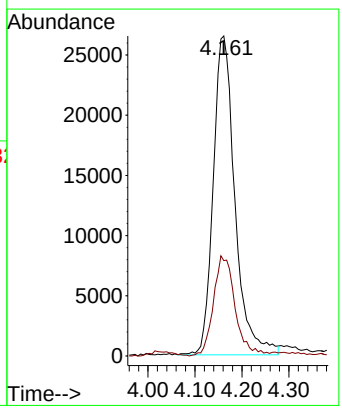


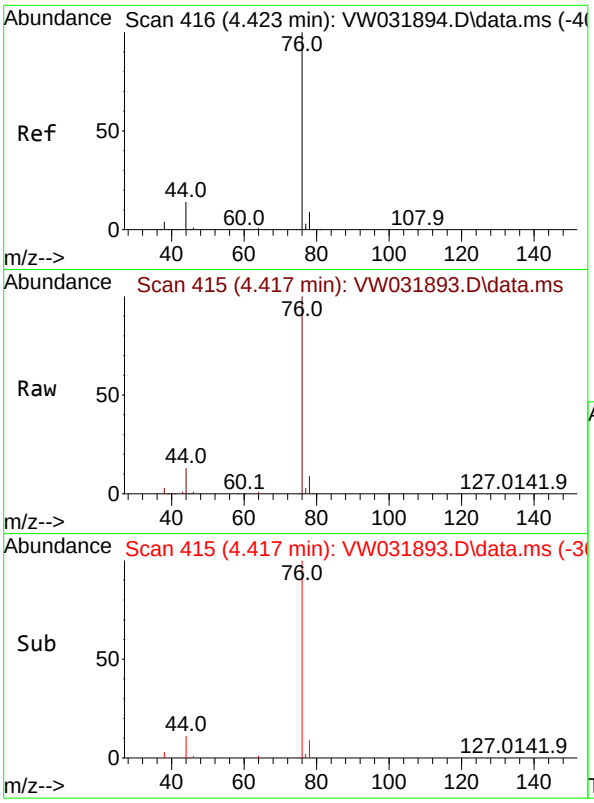


#16
Acetone
Concen: 103.374 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 85144

Ion	Ratio	Lower	Upper
43	100		
58	29.4	25.5	38.3



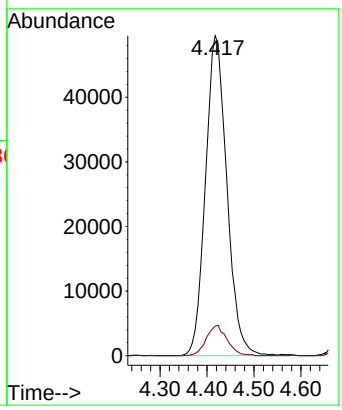


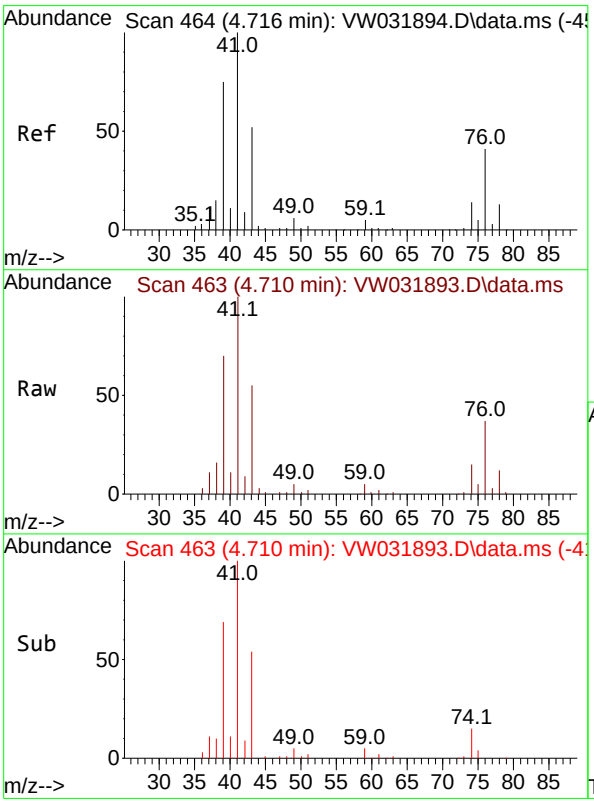
#17
Carbon Disulfide
Concen: 19.761 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 156802

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

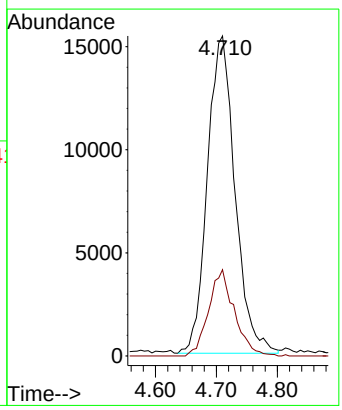


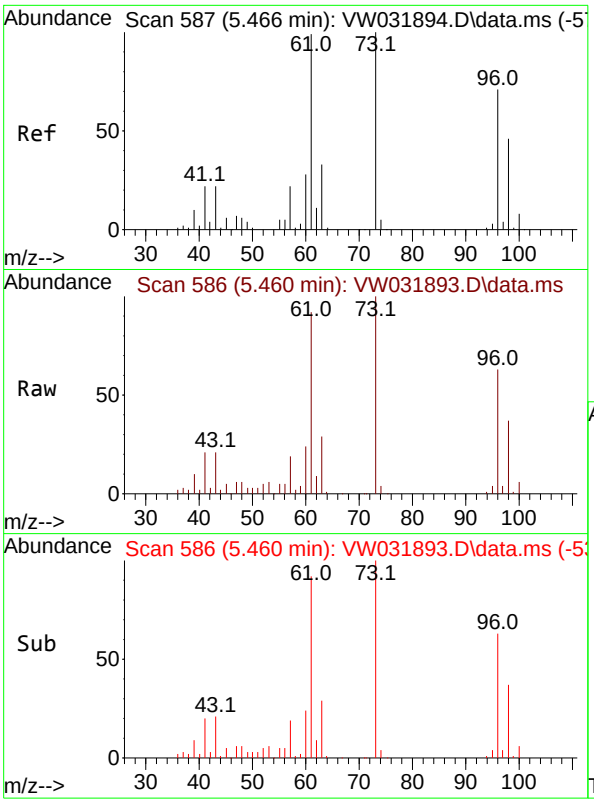


#18
Methyl Acetate
Concen: 21.384 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 48524

Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.6	31.0



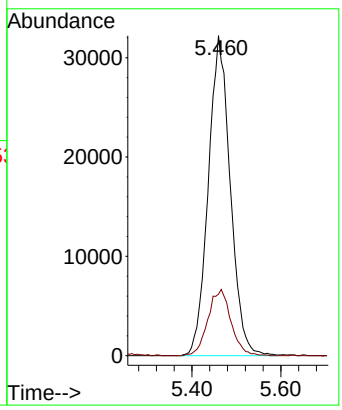


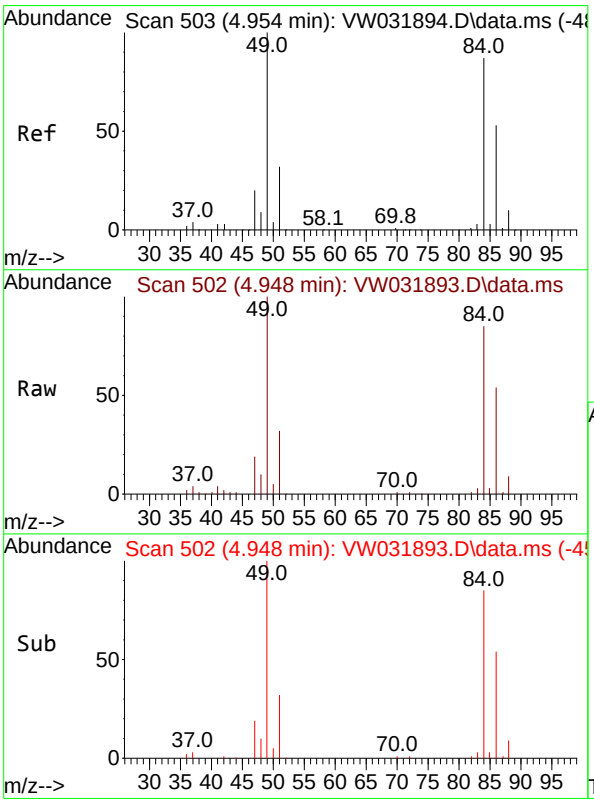
#19
Methyl tert-butyl Ether
Concen: 20.910 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 110536

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.5	26.3

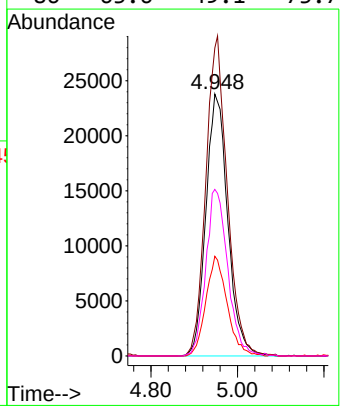


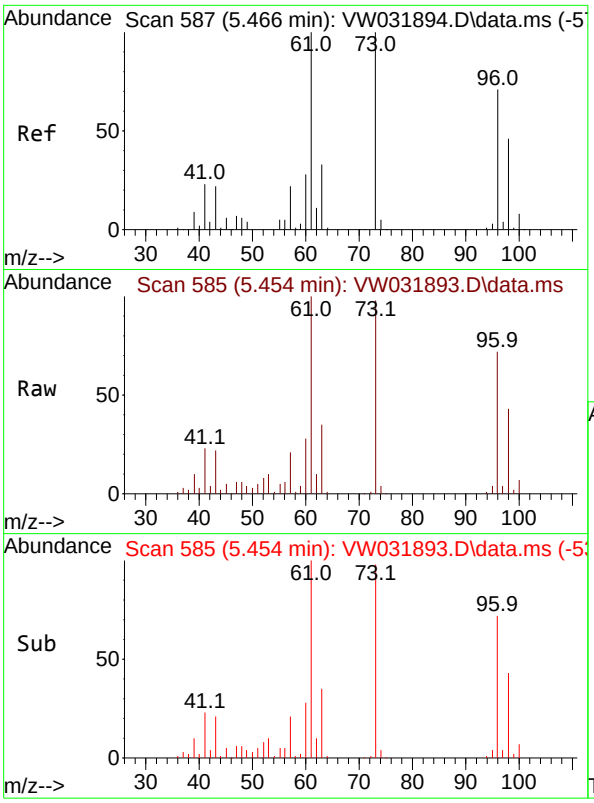


#20
Methylene Chloride
Concen: 20.998 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 84 Resp: 83480

Ion	Ratio	Lower	Upper
84	100		
49	117.6	91.9	137.9
51	38.1	29.0	43.6
86	63.6	49.1	73.7



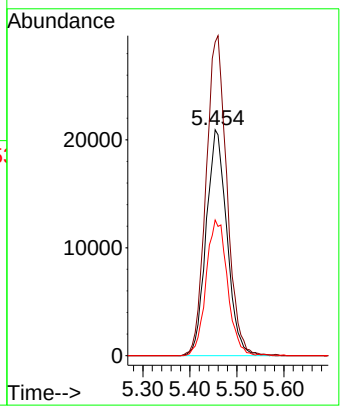


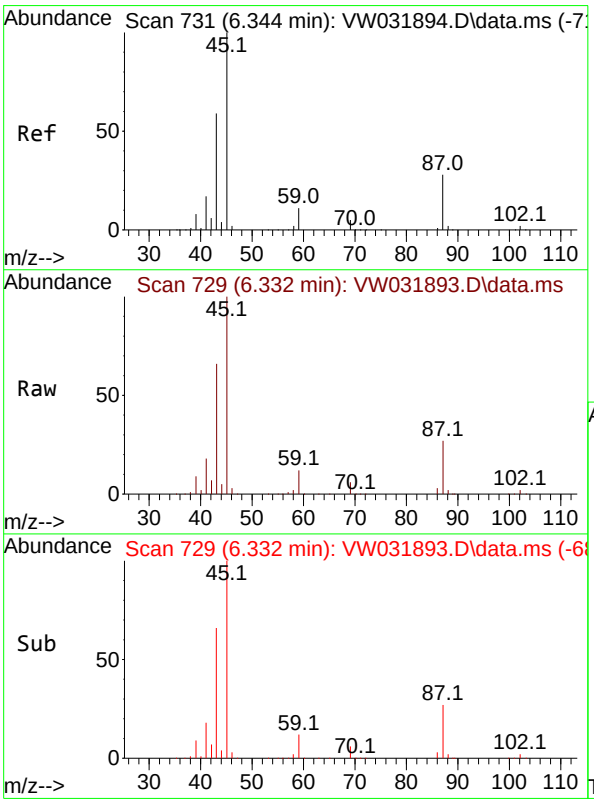
#21
trans-1,2-Dichloroethene
Concen: 19.711 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 63984

Ion	Ratio	Lower	Upper
96	100		
61	138.8	112.8	169.2
98	60.1	51.9	77.9

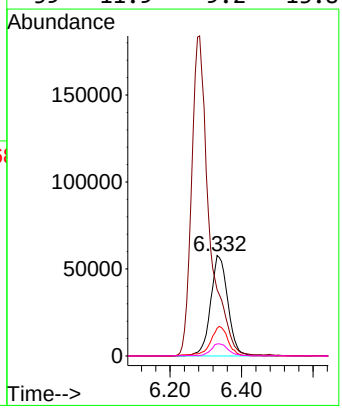


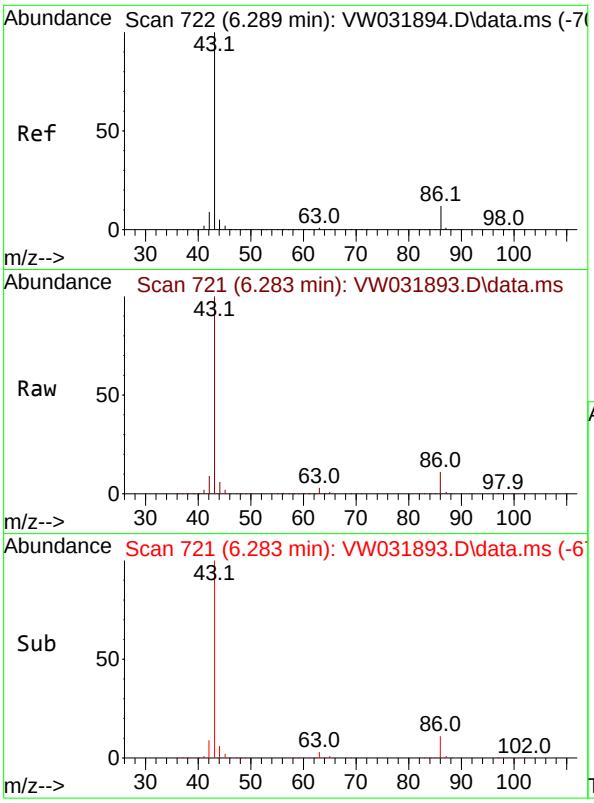


#22
Diisopropyl ether
Concen: 20.325 ug/l
RT: 6.332 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 45 Resp: 193706

Ion	Ratio	Lower	Upper
45	100		
43	65.1	47.0	70.6
87	27.5	22.8	34.2
59	11.9	9.2	13.8



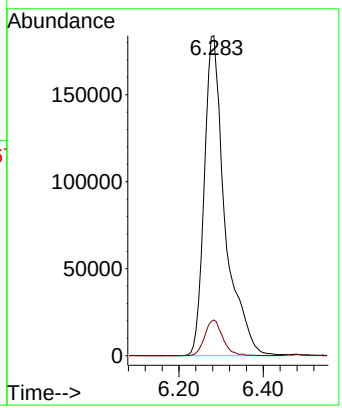


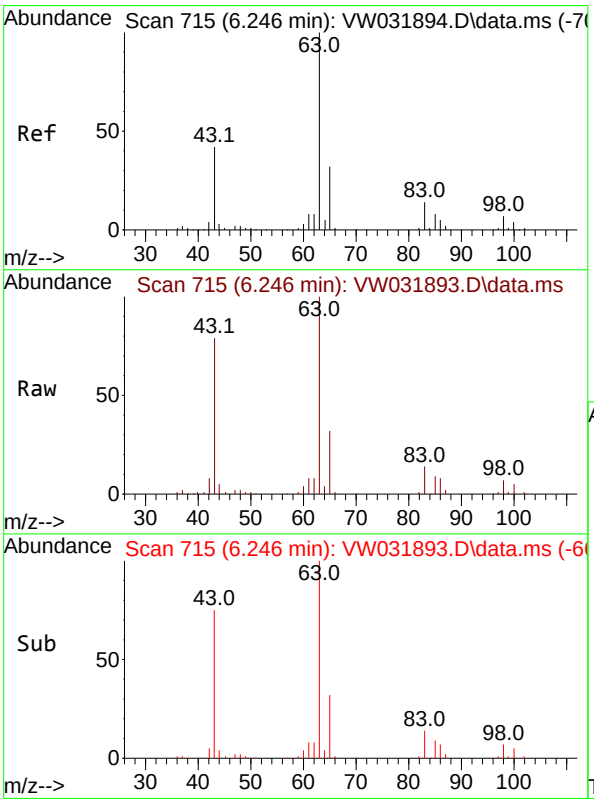
#23
Vinyl Acetate
Concen: 101.117 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 629578

Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.4	14.2

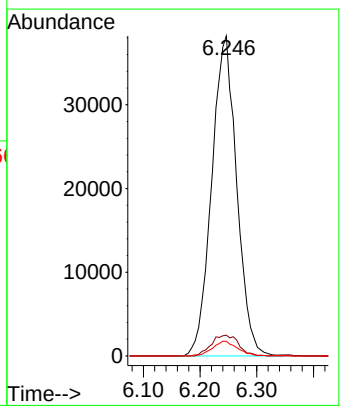


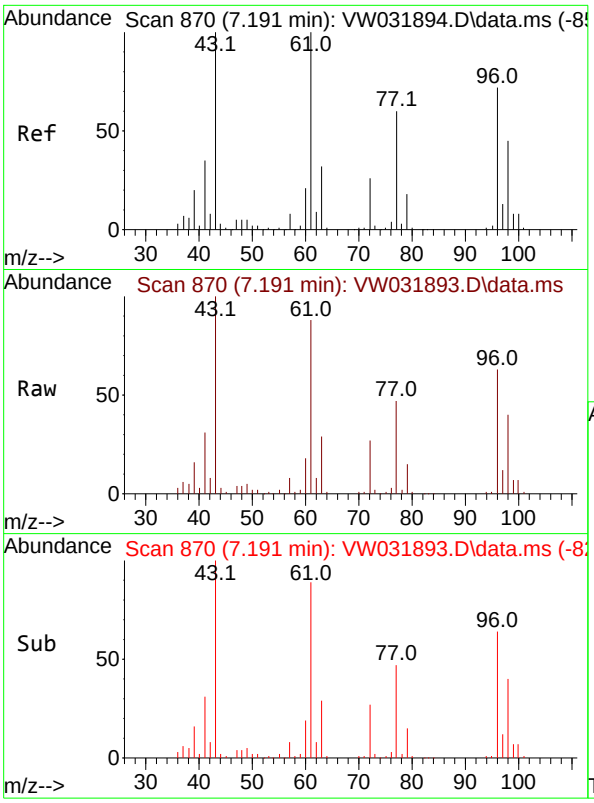


#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 63 Resp: 116889

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.9
100	4.6	2.2	6.6



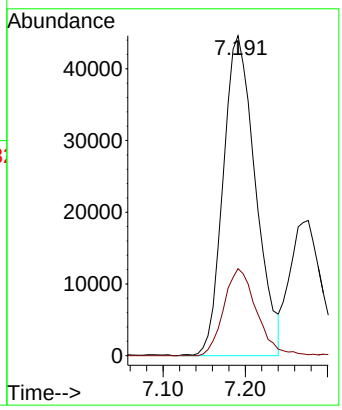


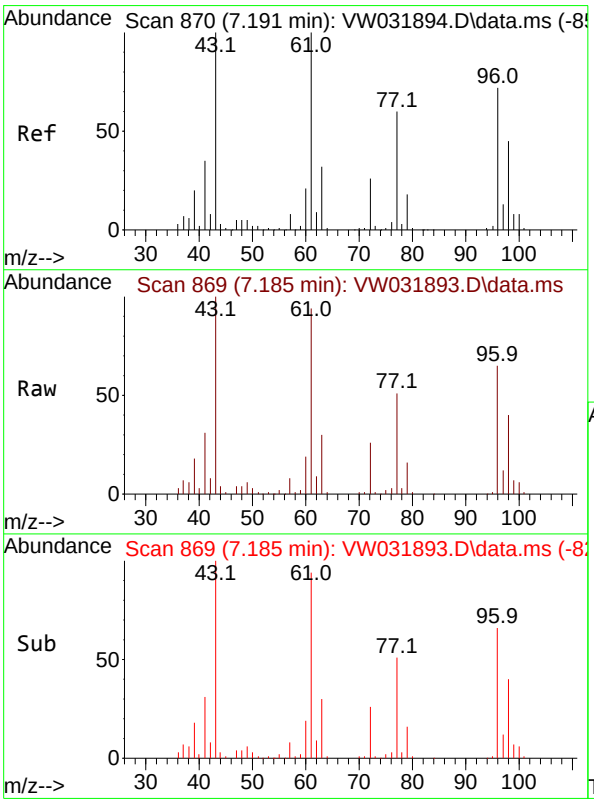
#25
2-Butanone
Concen: 108.213 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 121949

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.8	31.2

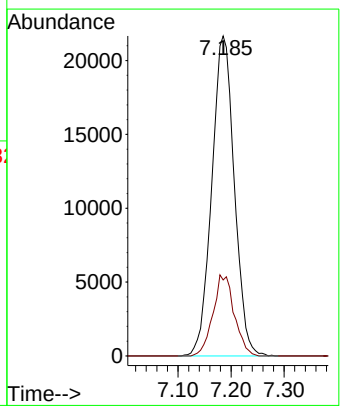


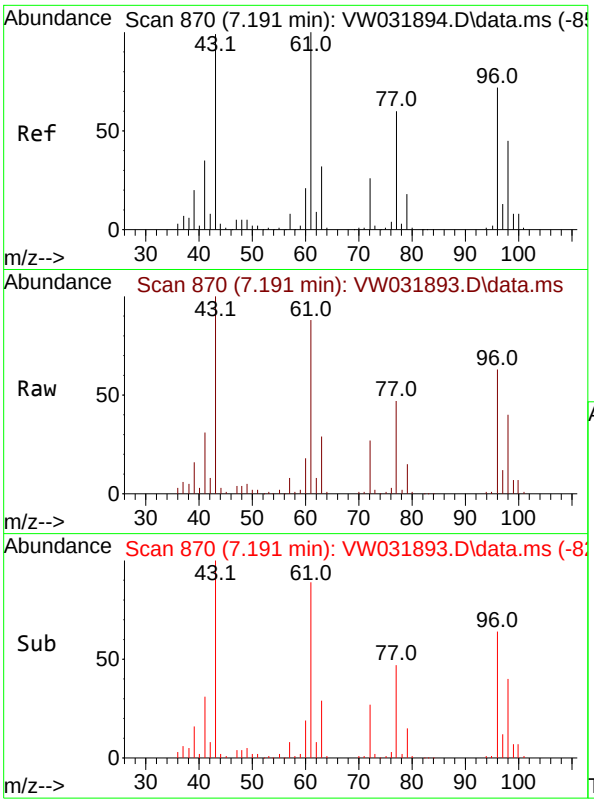


#26
2,2-Dichloropropane
Concen: 19.023 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 77 Resp: 63903

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.4	34.1



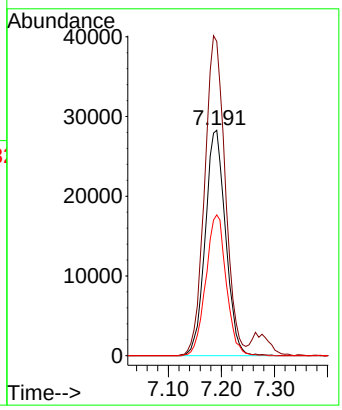


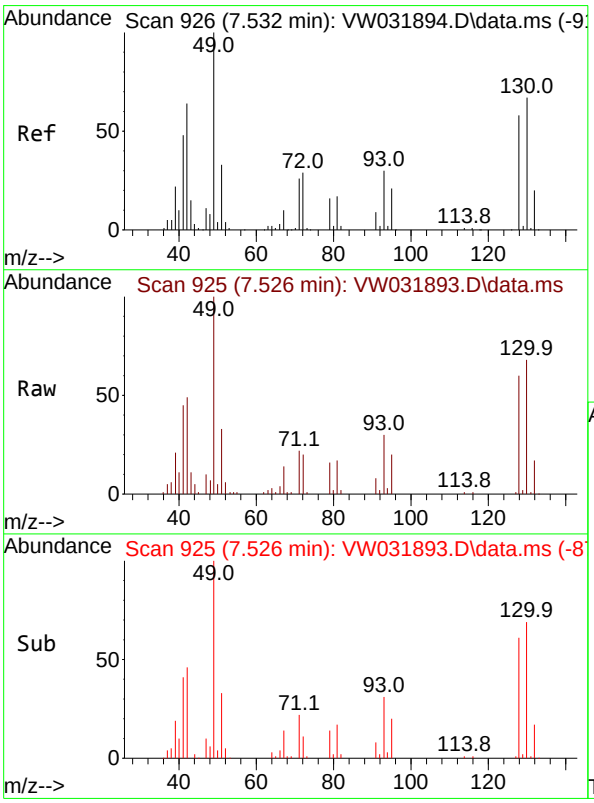
#27
cis-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 75384

Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	280.2
98	62.8	0.0	126.8

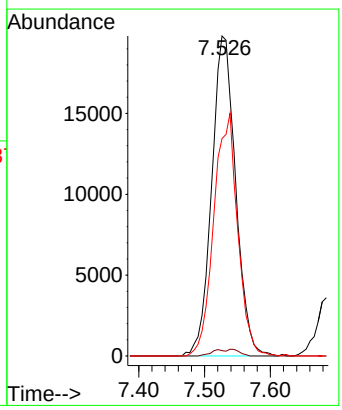


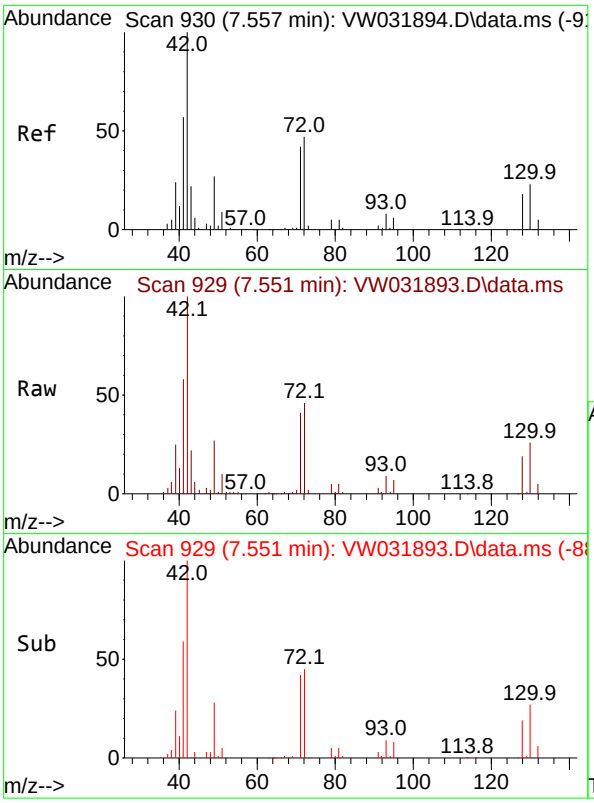


#28
Bromochloromethane
Concen: 20.156 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 49 Resp: 50074

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	0.0	59.0	88.4#



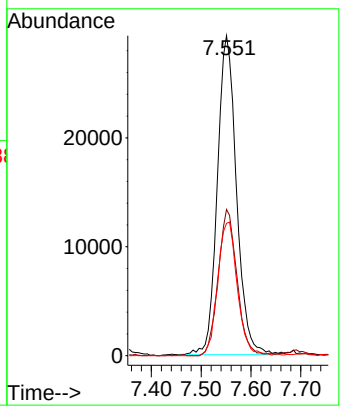


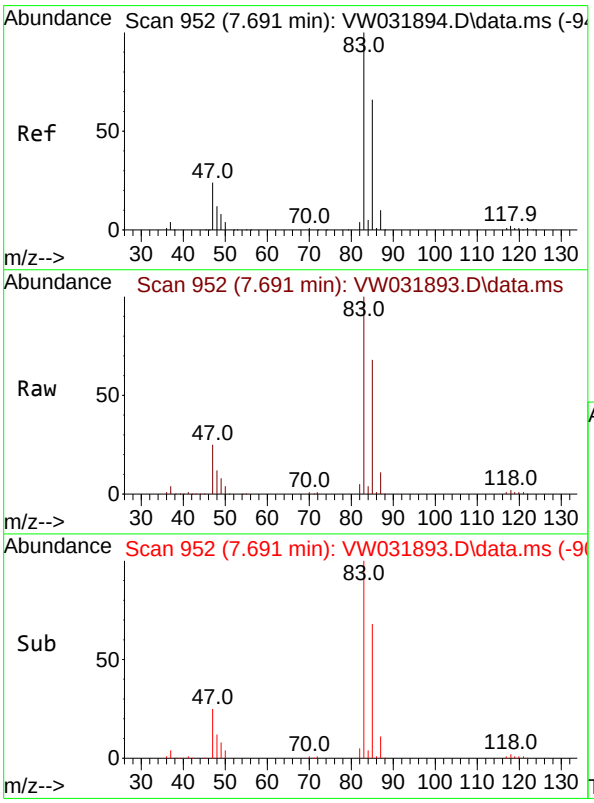
#29
Tetrahydrofuran
Concen: 105.769 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 78147

Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.0	55.6
71	42.9	34.5	51.7

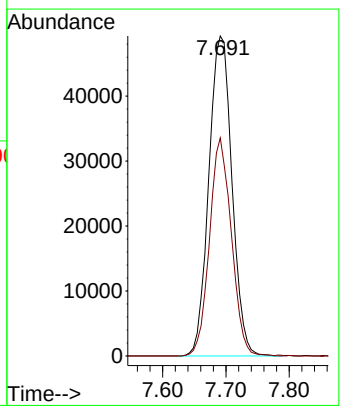


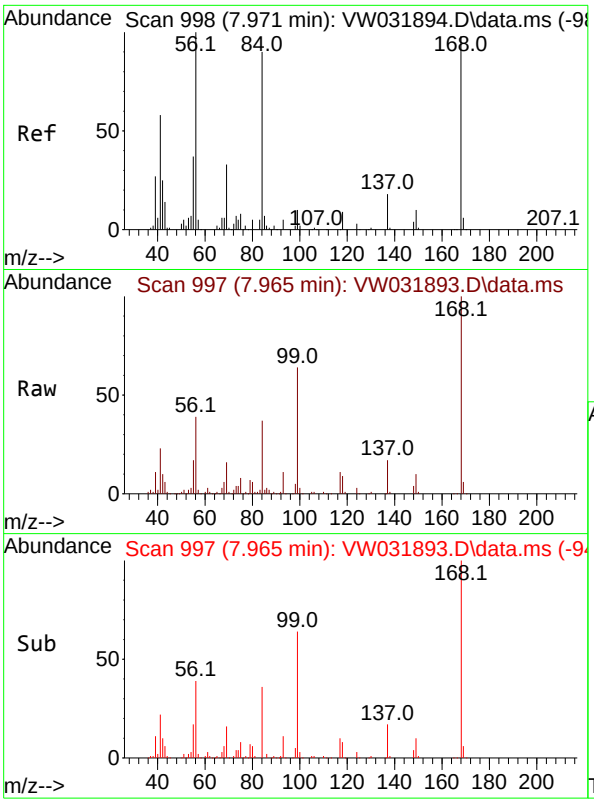


#30
Chloroform
Concen: 20.096 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 83 Resp: 125023

Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.6	78.8



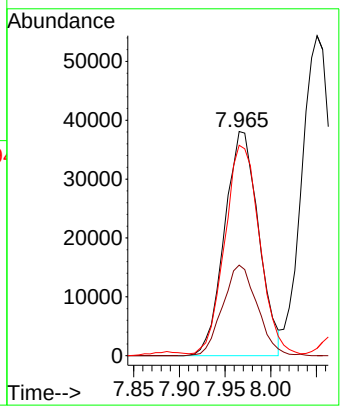


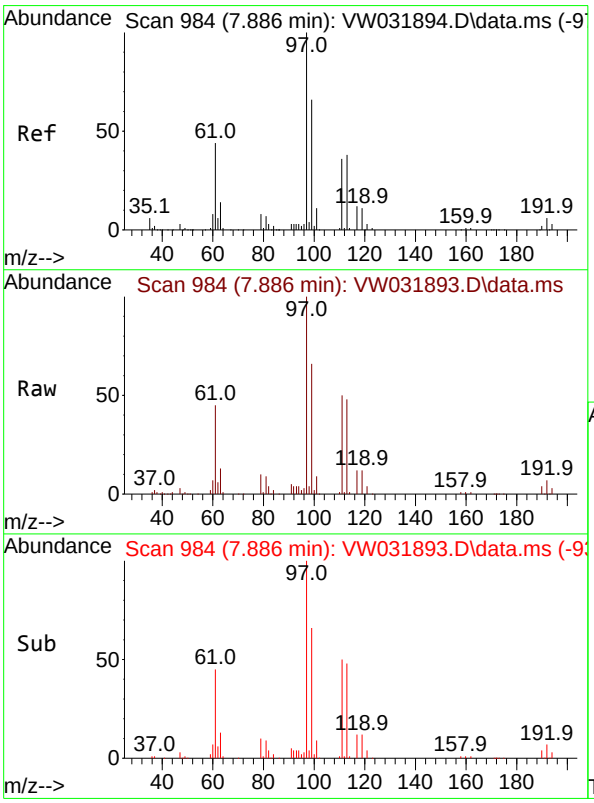
#31
Cyclohexane
Concen: 18.594 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 98980

Ion	Ratio	Lower	Upper
56	100		
69	40.4	26.7	40.1#
84	92.6	71.8	107.6

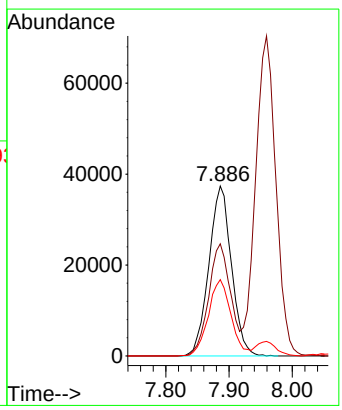


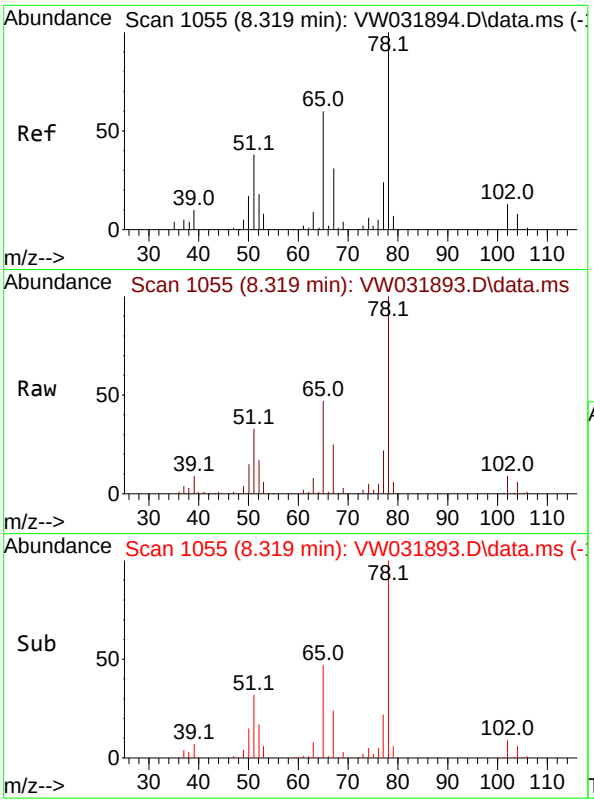


#32
1,1,1-Trichloroethane
Concen: 19.538 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 97 Resp: 92496

Ion	Ratio	Lower	Upper
97	100		
99	63.9	53.0	79.4
61	45.4	35.4	53.0



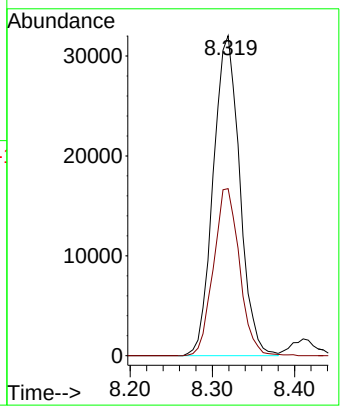


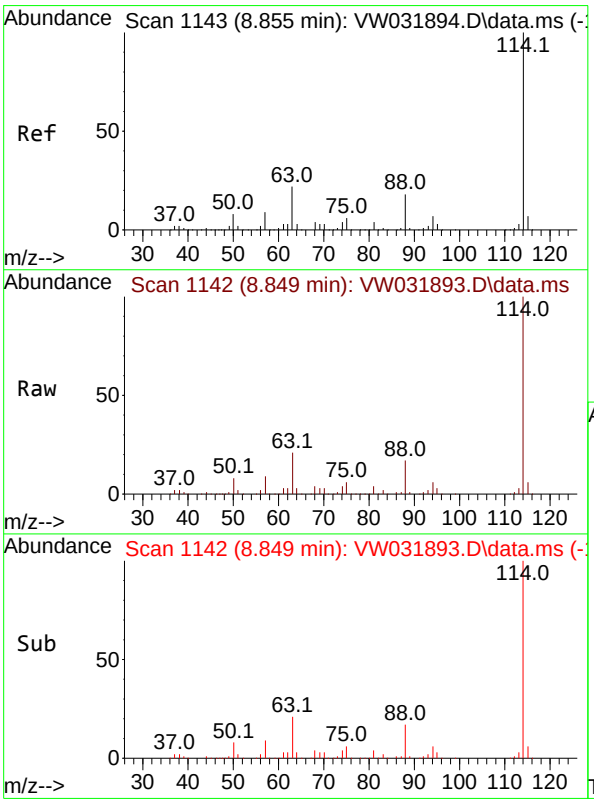
#33
1,2-Dichloroethane-d4
Concen: 20.672 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 71753

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

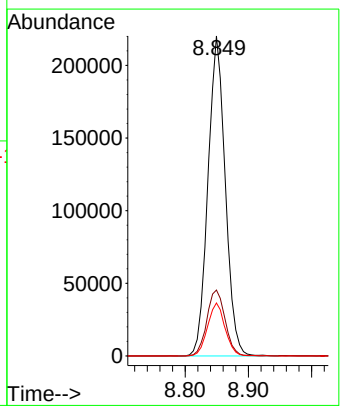


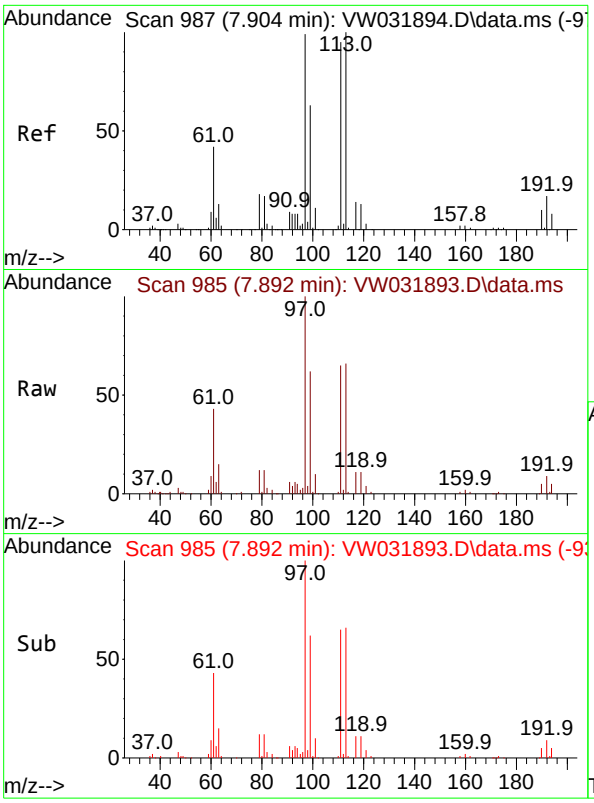


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:114 Resp: 418770

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.2
88	16.6	0.0	35.6



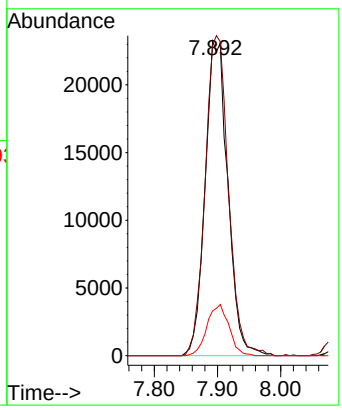


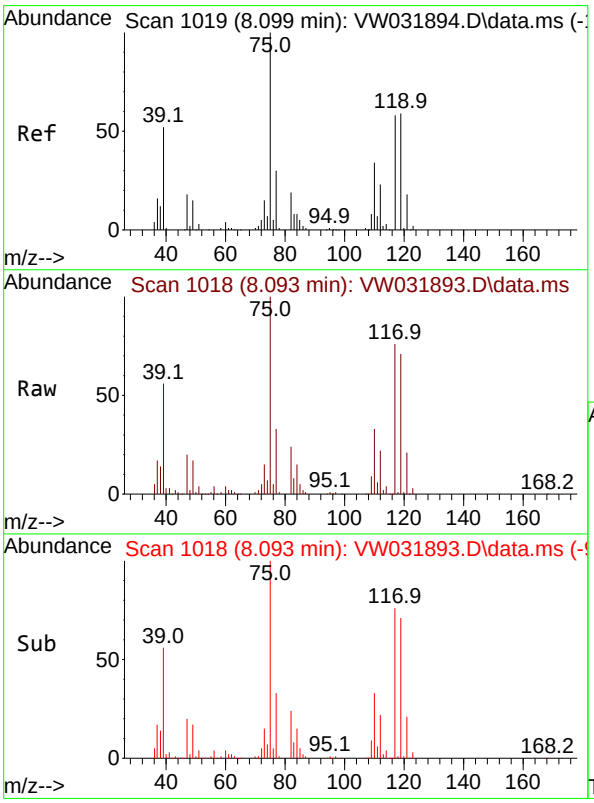
#35
Dibromofluoromethane
Concen: 20.372 ug/l
RT: 7.892 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 57971

Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.9	119.9
192	15.7	12.6	19.0

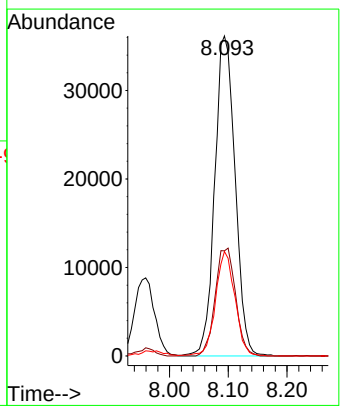


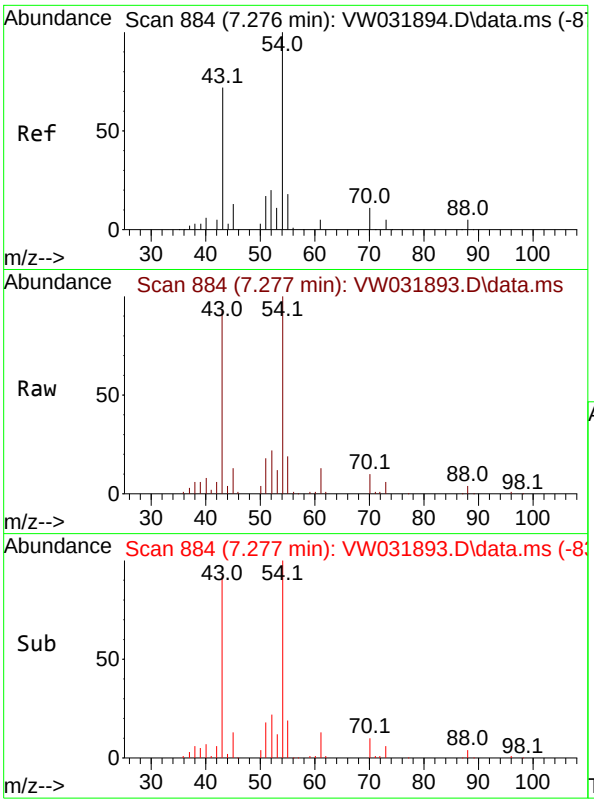


#36
1,1-Dichloropropene
Concen: 19.938 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 87130

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.2	25.1	37.7



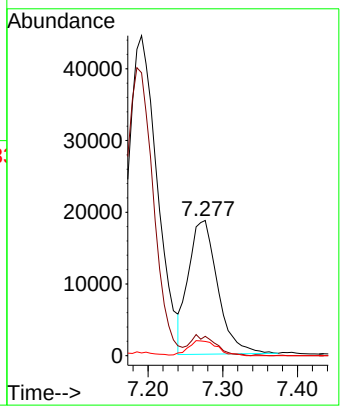


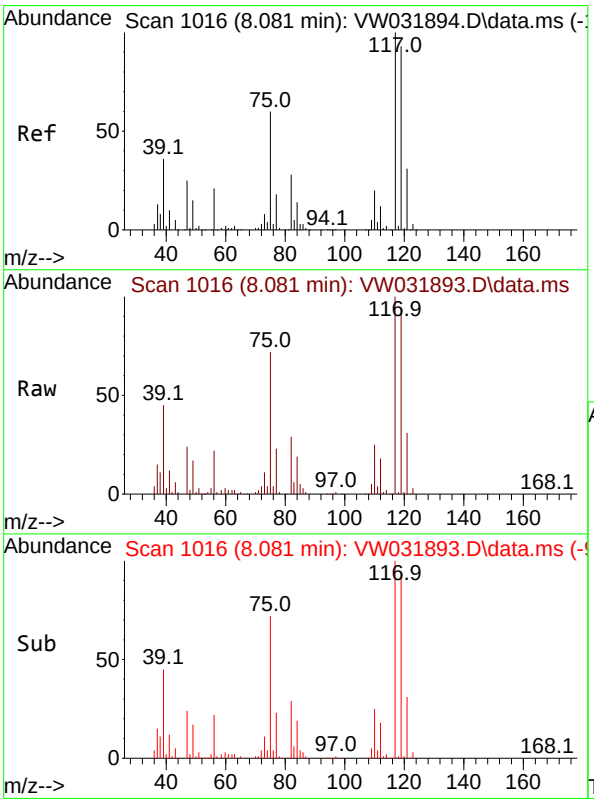
#37
Ethyl Acetate
Concen: 20.390 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 50830

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	11.1	9.0	13.4

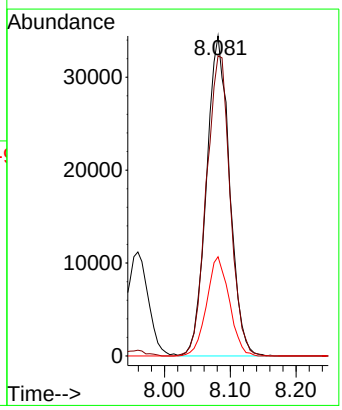


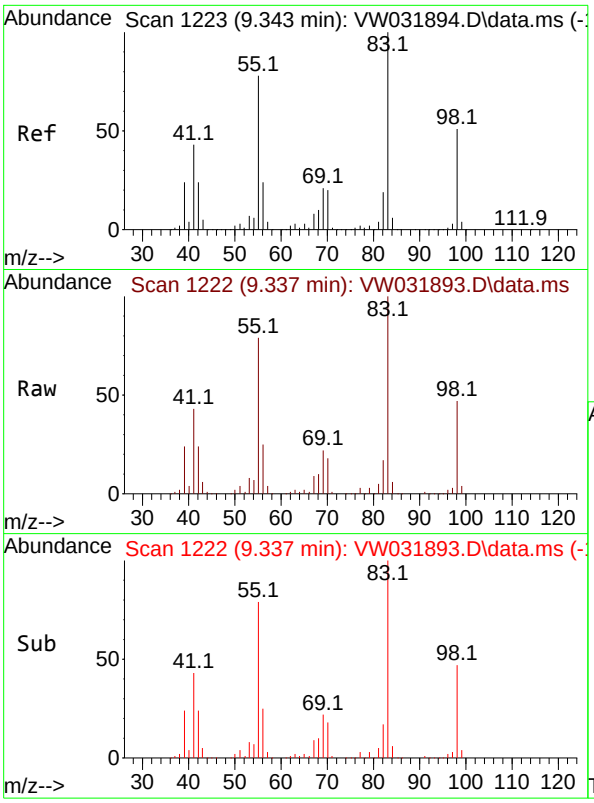


#38
Carbon Tetrachloride
Concen: 20.036 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:117 Resp: 84031

Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.3	111.5
121	31.0	24.6	37.0



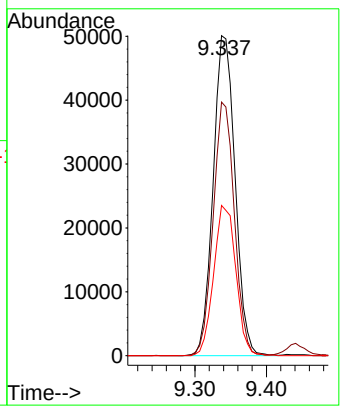


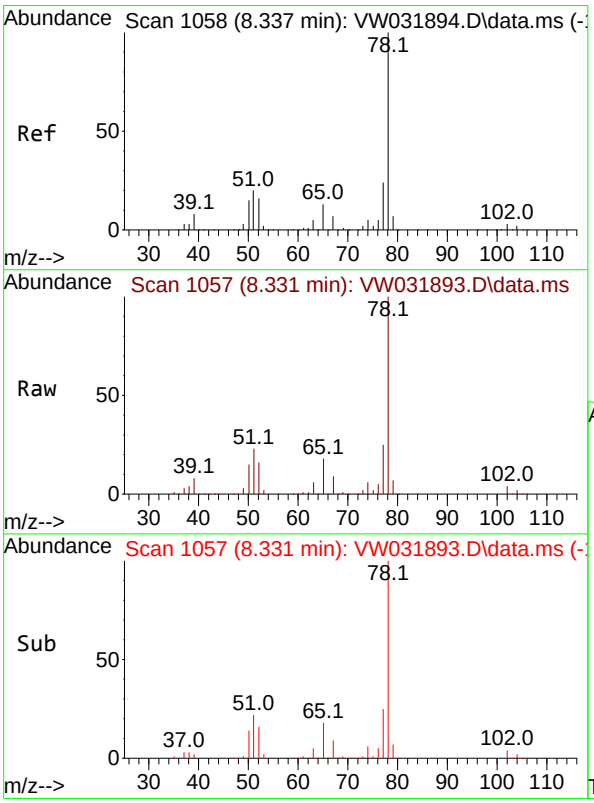
#39
Methylcyclohexane
Concen: 19.394 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 106658

Ion	Ratio	Lower	Upper
83	100		
55	79.3	62.5	93.7
98	46.9	40.6	61.0

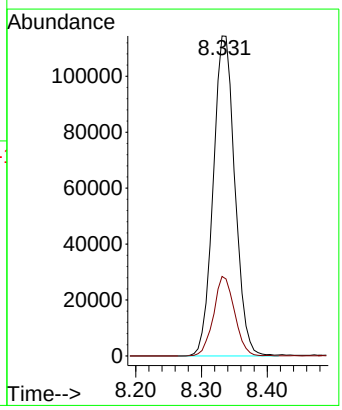


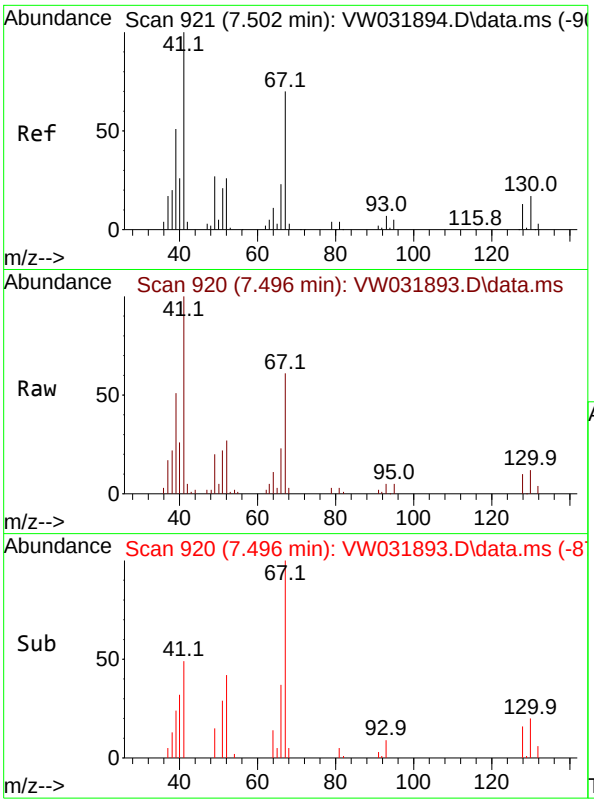


#40
Benzene
Concen: 20.261 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 78 Resp: 262100

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9



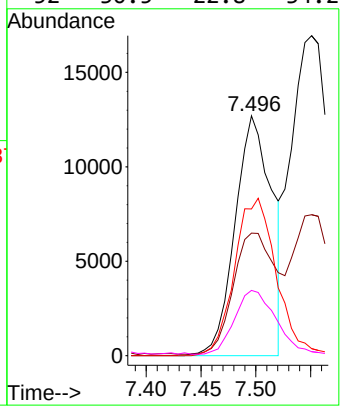


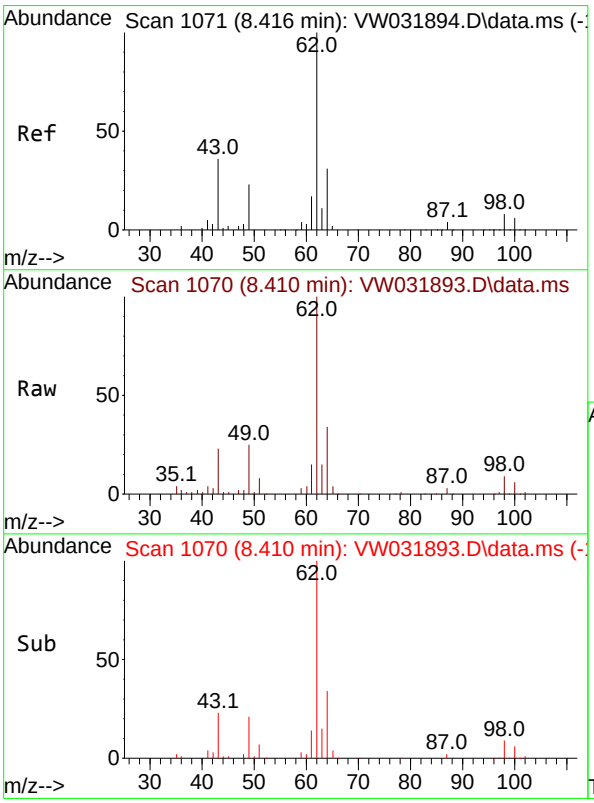
#41
Methacrylonitrile
Concen: 20.230 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 29705

Ion	Ratio	Lower	Upper
41	100		
39	60.1	41.1	61.7
67	75.3	56.2	84.4
52	30.5	22.8	34.2

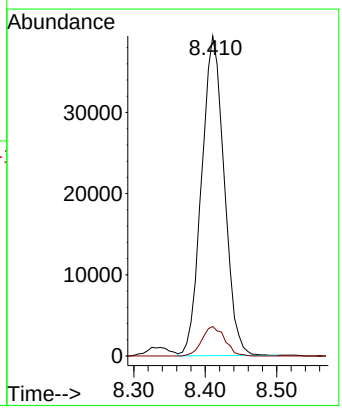


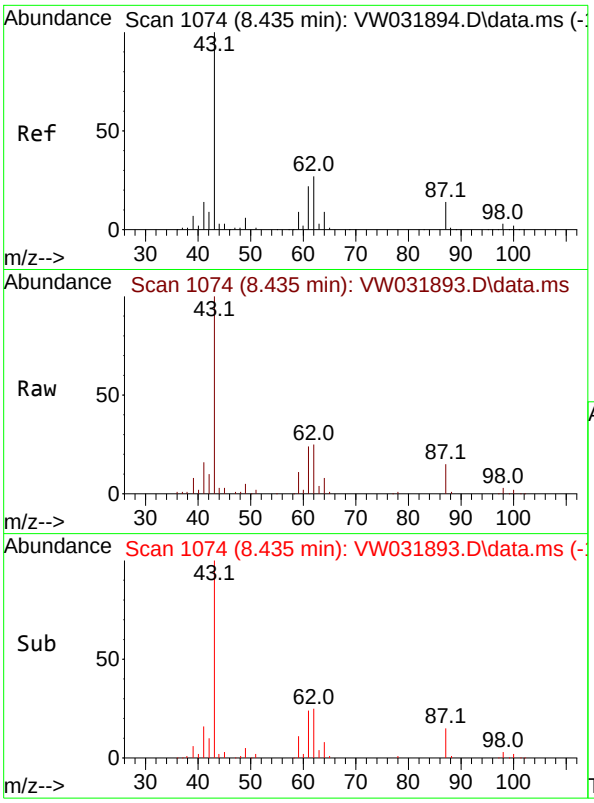


#42
1,2-Dichloroethane
Concen: 20.880 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 62 Resp: 86447

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



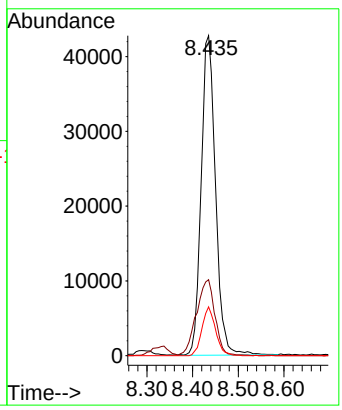


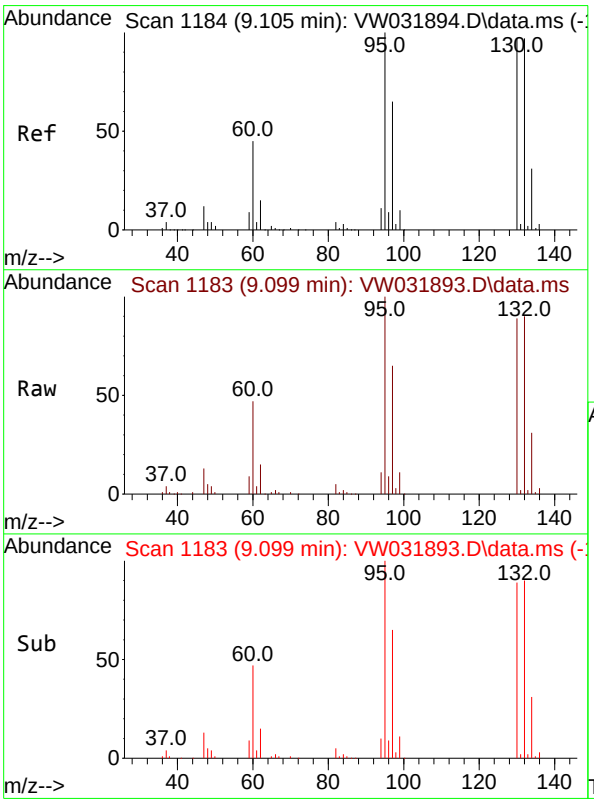
#43
Isopropyl Acetate
Concen: 20.628 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 93094

Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	14.5	11.1	16.7

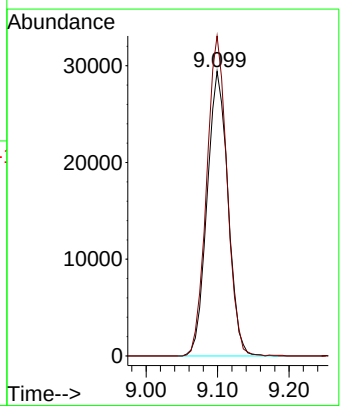


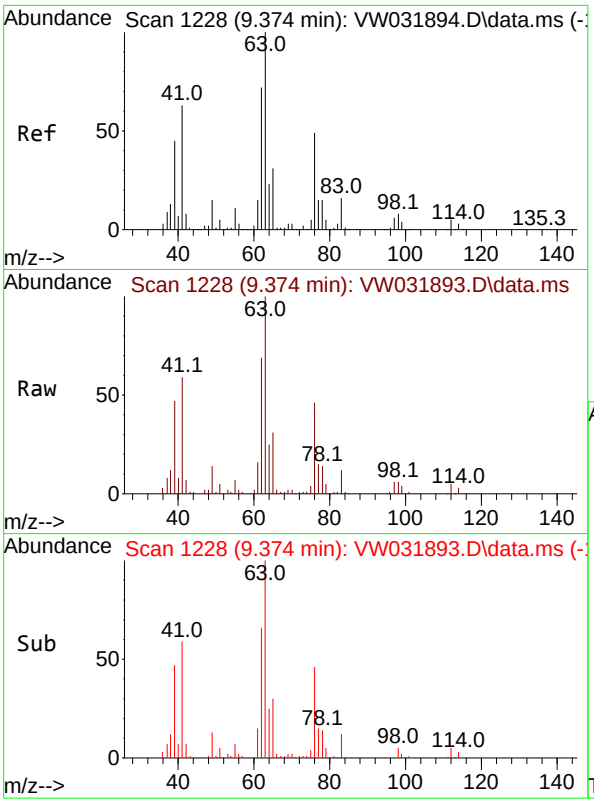


#44
Trichloroethene
Concen: 19.406 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:130 Resp: 59670

Ion	Ratio	Lower	Upper
130	100		
95	112.4	0.0	206.4



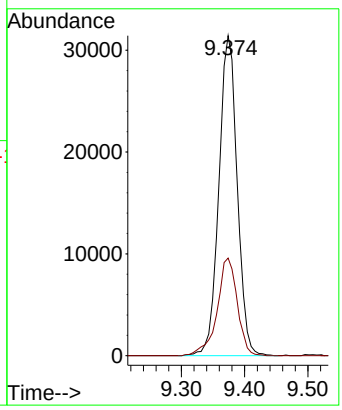


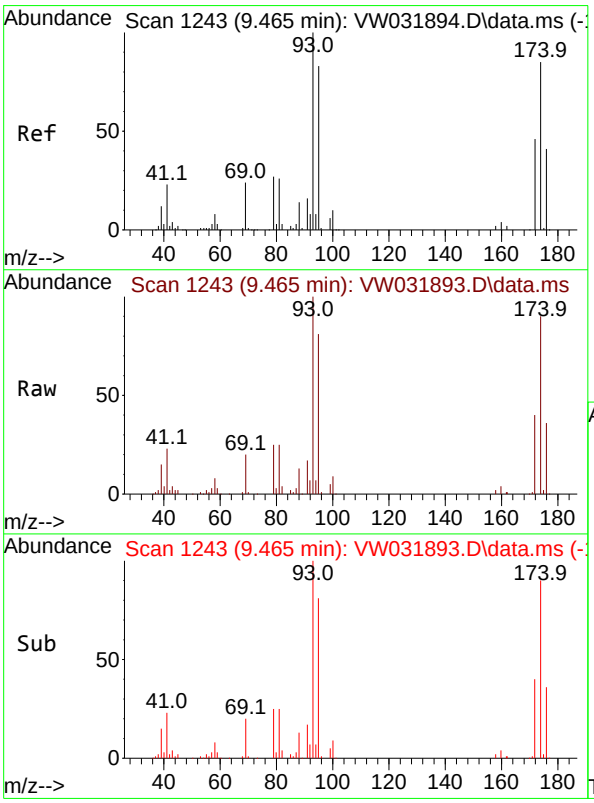
#45
1,2-Dichloropropane
Concen: 20.231 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 63028

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.0	37.4

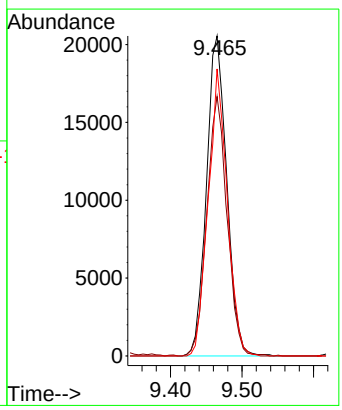


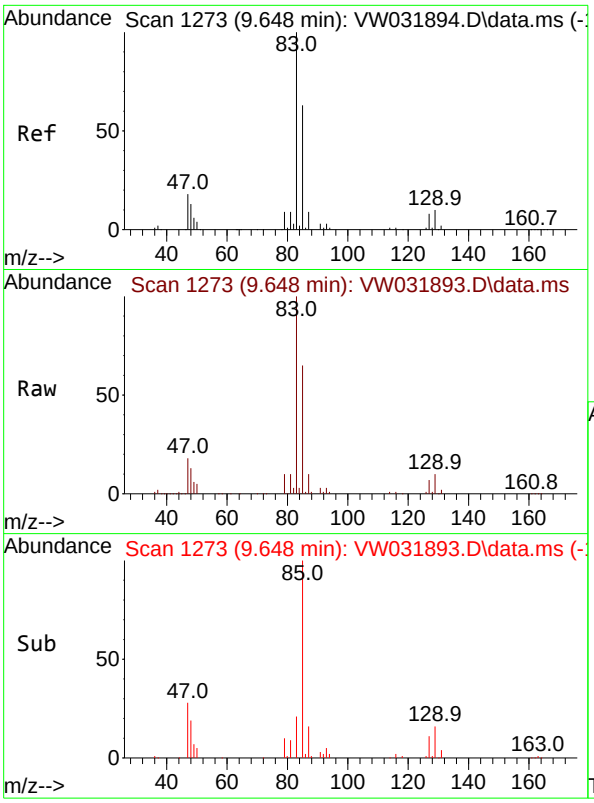


#46
Dibromomethane
Concen: 20.937 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 93 Resp: 40434

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.8	98.6
174	84.4	70.2	105.2



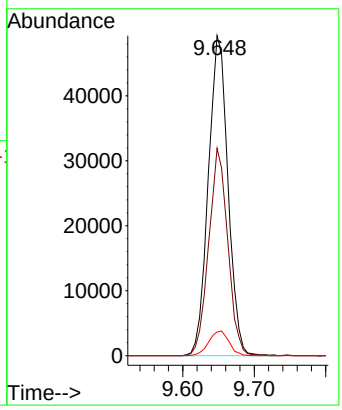


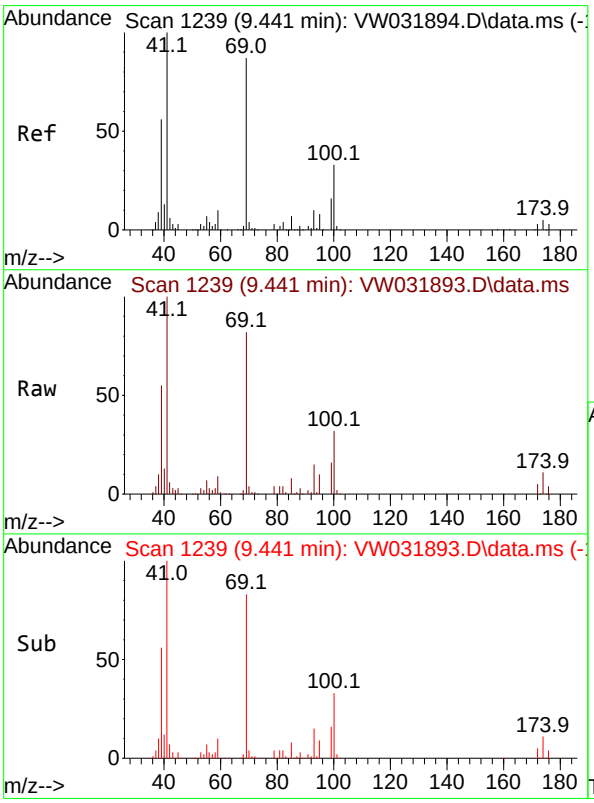
#47
Bromodichloromethane
Concen: 20.278 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 93907

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0
127	7.4	6.5	9.7

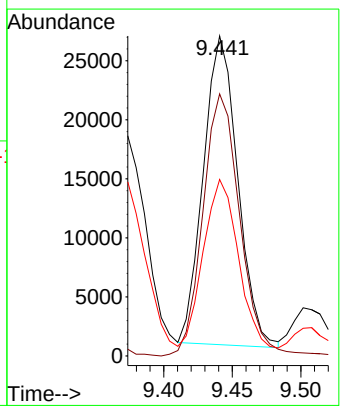


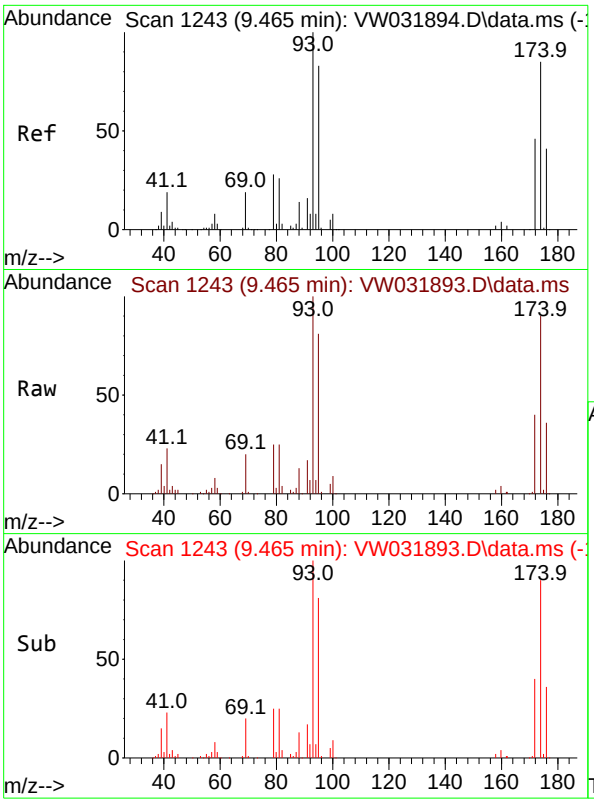


#48
Methyl methacrylate
Concen: 21.215 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 41 Resp: 45551

Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.6	110.4
39	55.8	45.5	68.3



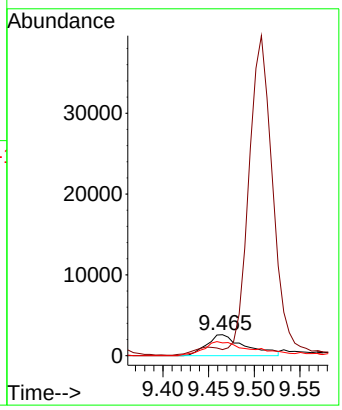


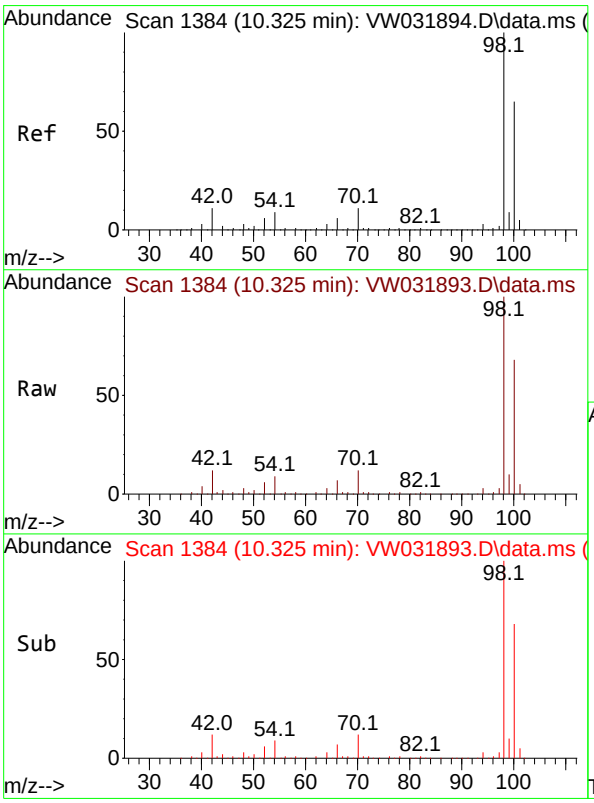
#49
1,4-Dioxane
Concen: 393.293 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 7579

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	82.9	58.2	87.2

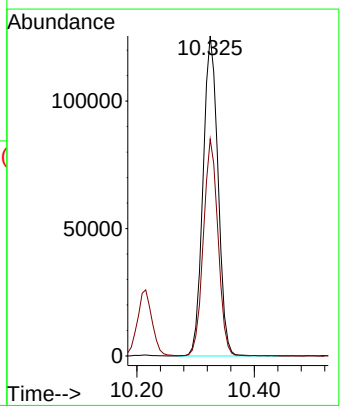


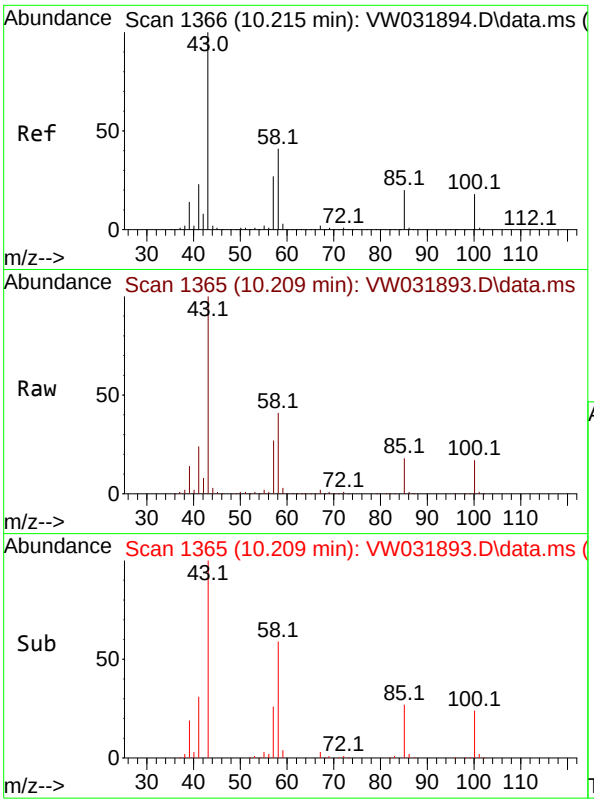


#50
Toluene-d8
Concen: 20.636 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 98 Resp: 222244

Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.7	77.5



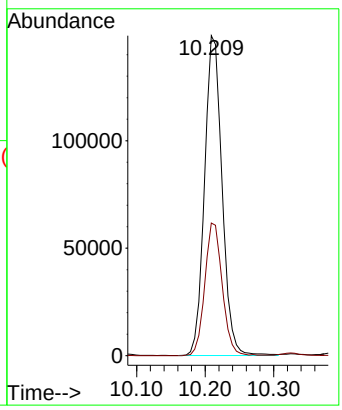


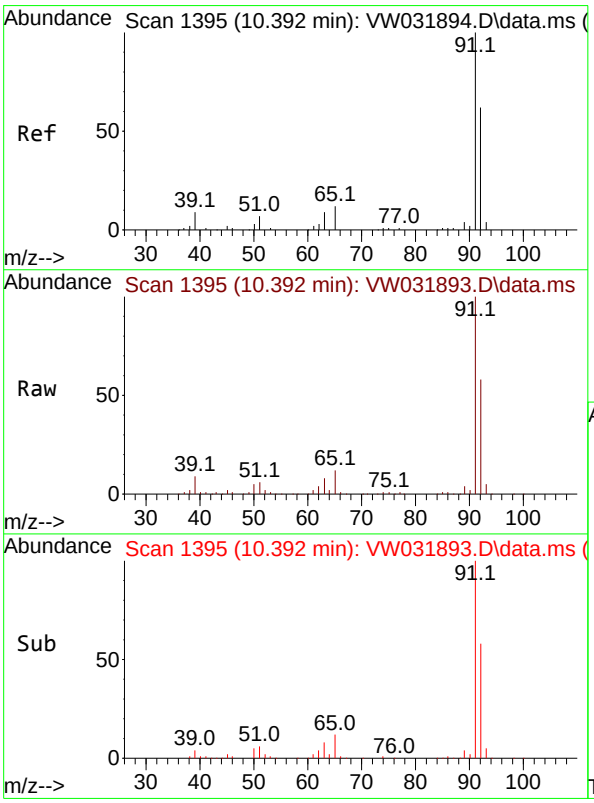
#51
4-Methyl-2-Pentanone
Concen: 107.527 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 265574

Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.8	49.2

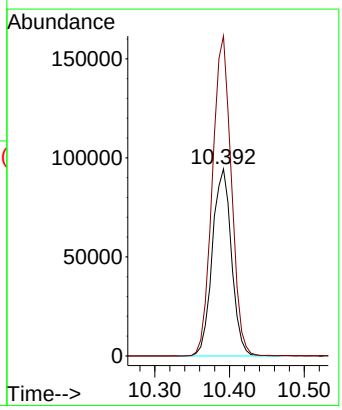


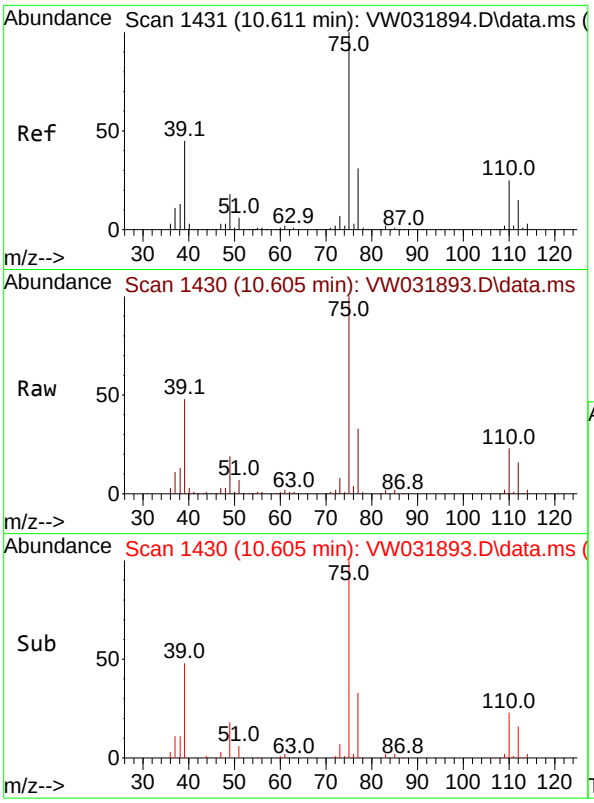


#52
Toluene
Concen: 20.213 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 92 Resp: 168089

Ion	Ratio	Lower	Upper
92	100		
91	169.8	133.7	200.5



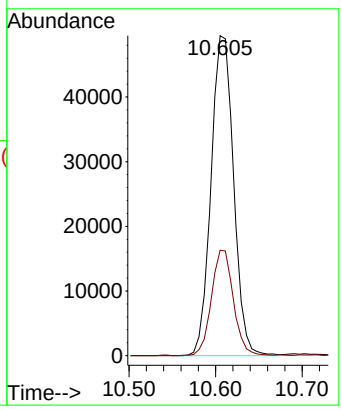


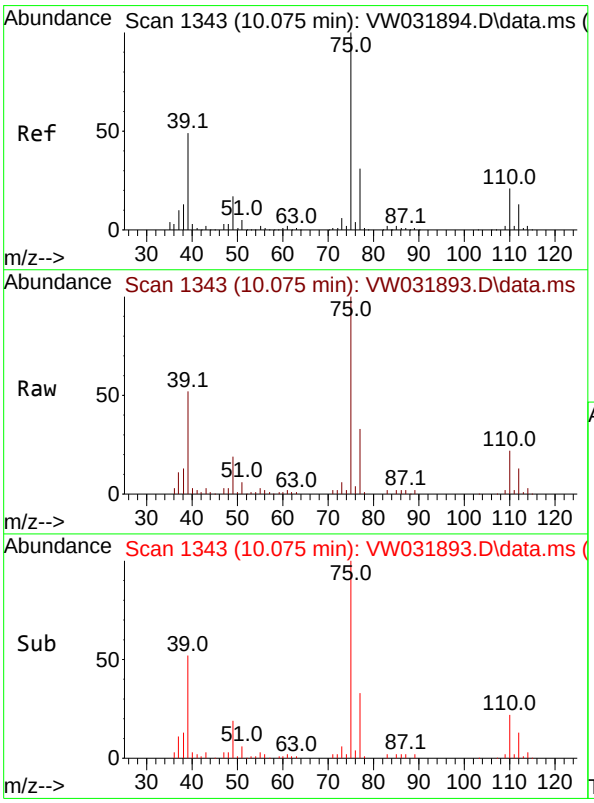
#53
t-1,3-Dichloropropene
Concen: 20.170 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 89603

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.2	37.8

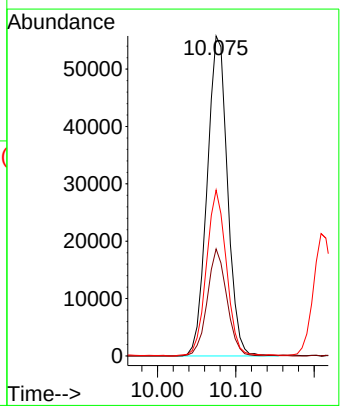


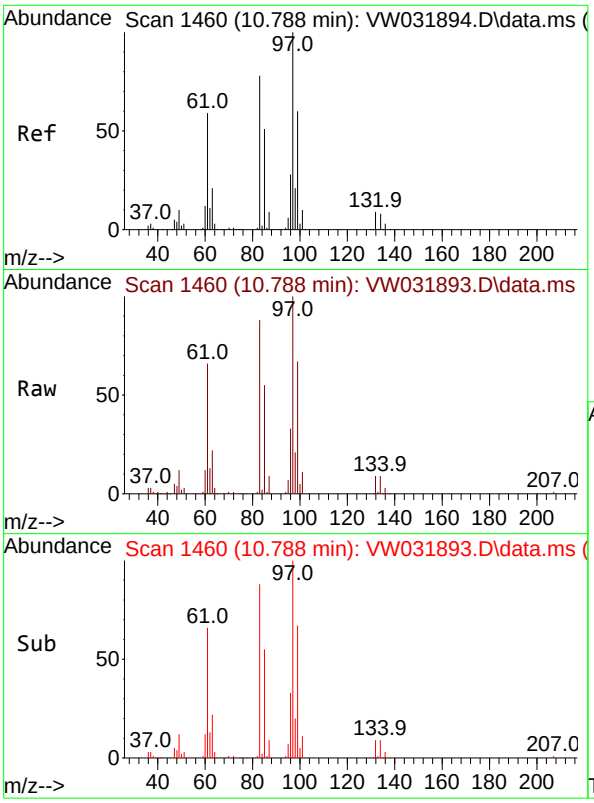


#54
cis-1,3-Dichloropropene
Concen: 19.838 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 100637

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.5	36.7
39	51.7	39.3	58.9



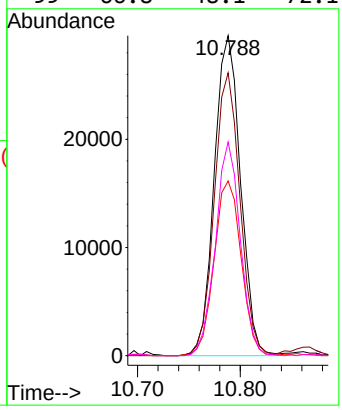


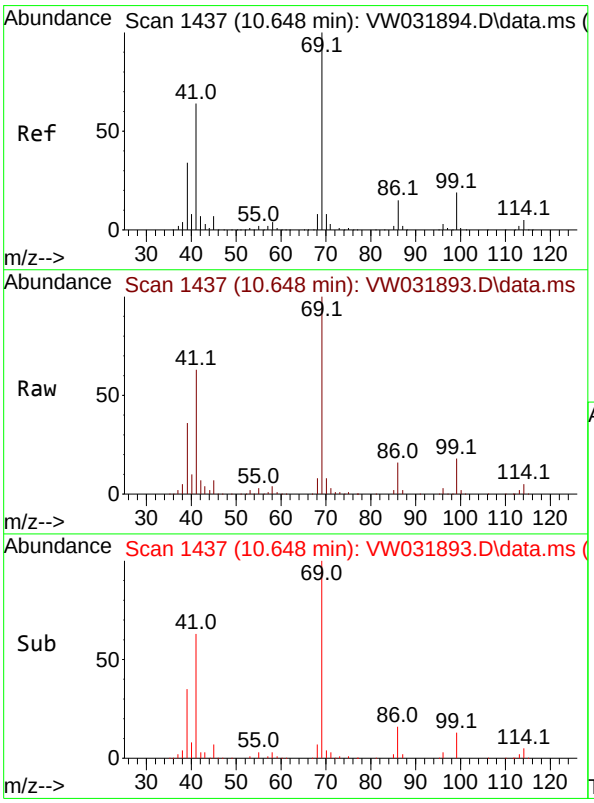
#55
1,1,2-Trichloroethane
Concen: 20.477 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 52531

Ion	Ratio	Lower	Upper
97	100		
83	88.4	62.4	93.6
85	54.6	41.0	61.6
99	66.8	48.1	72.1

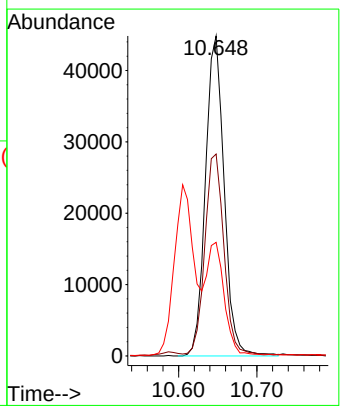


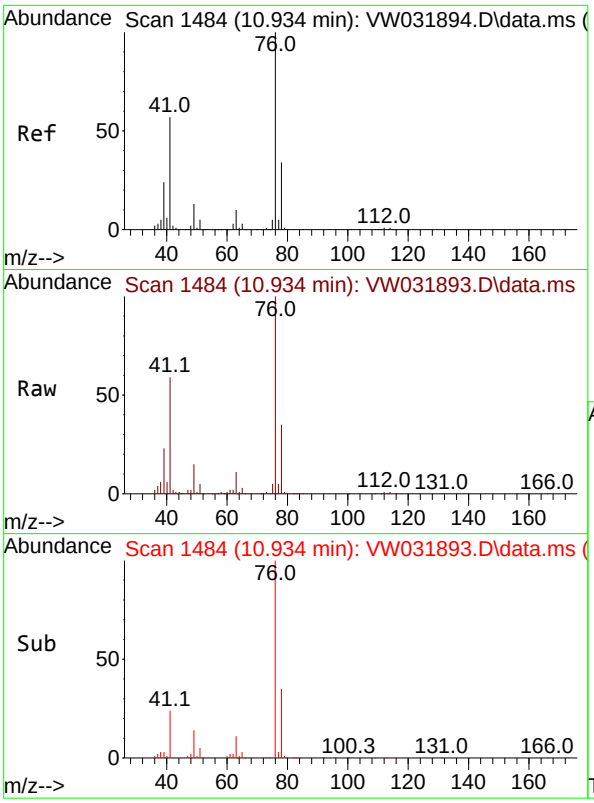


#56
Ethyl methacrylate
Concen: 20.460 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 69 Resp: 74127

Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.0	78.0
39	32.8	26.6	40.0



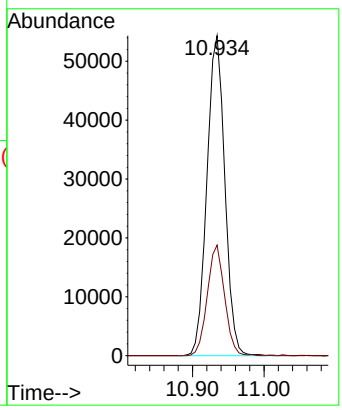


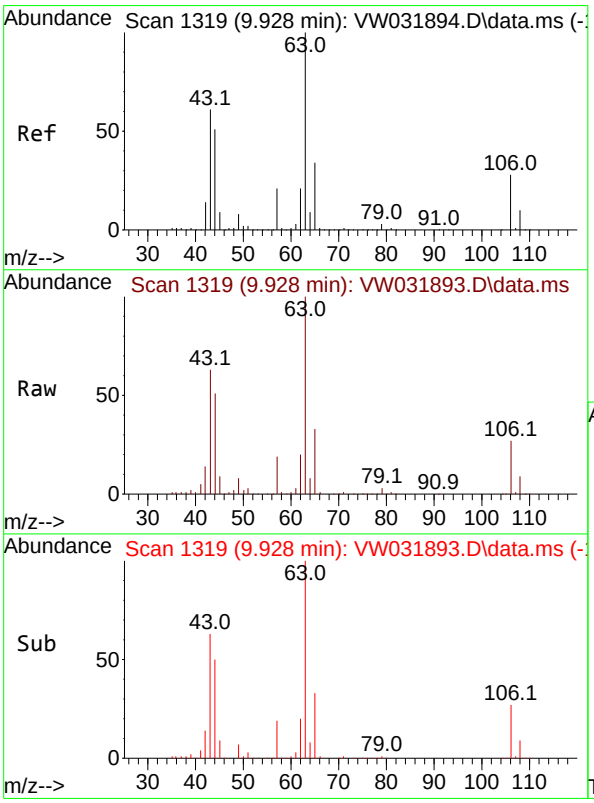
#57
1,3-Dichloropropane
Concen: 20.894 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 94430

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

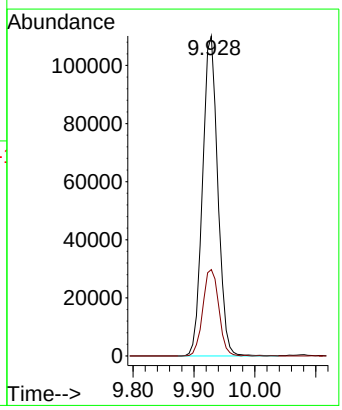


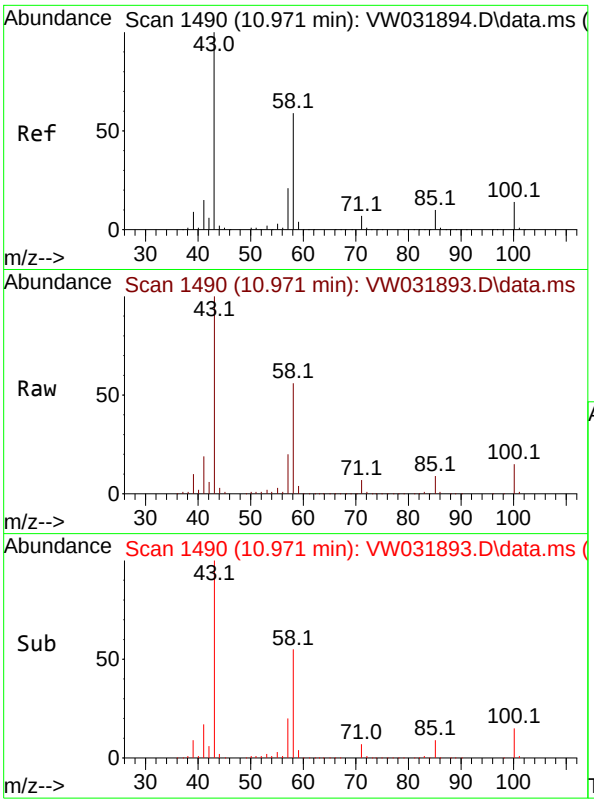


#58
2-Chloroethyl Vinyl ether
Concen: 102.829 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 63 Resp: 191363

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1



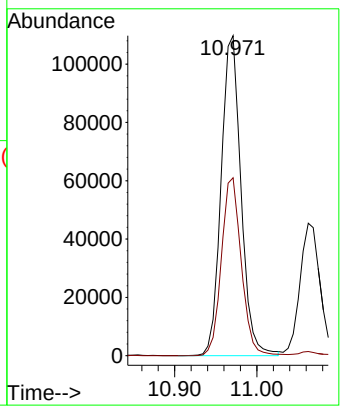


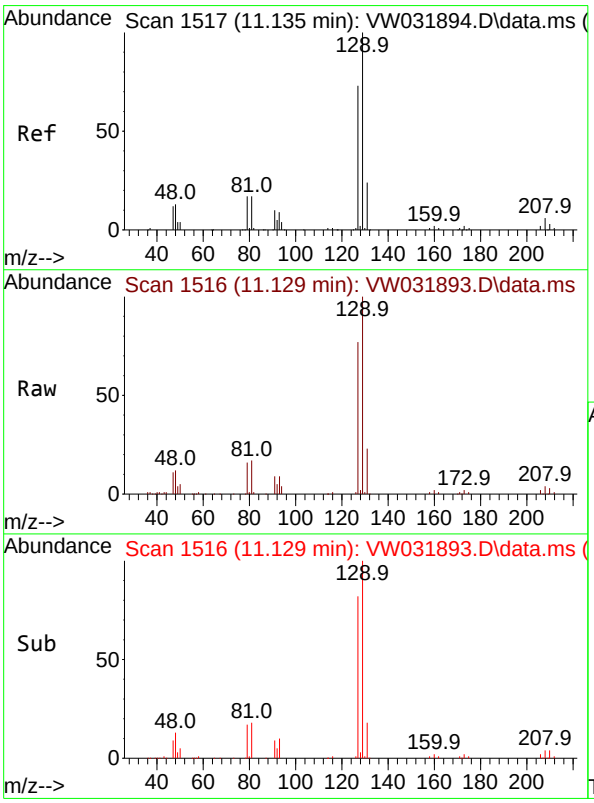
#59
2-Hexanone
Concen: 107.552 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 184643

Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.5	85.6

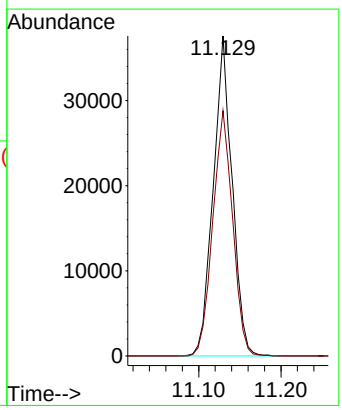


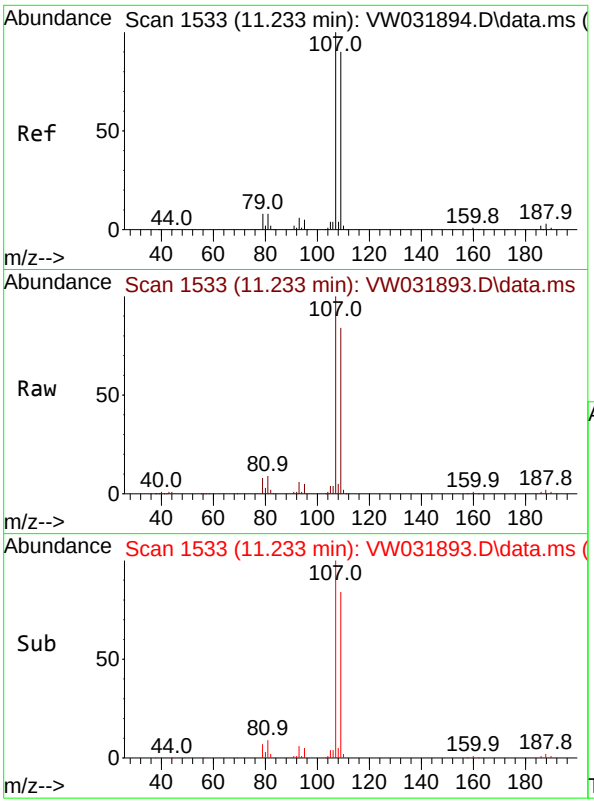


#60
Dibromochloromethane
Concen: 20.071 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:129 Resp: 60033

Ion	Ratio	Lower	Upper
129	100		
127	80.5	39.6	118.8



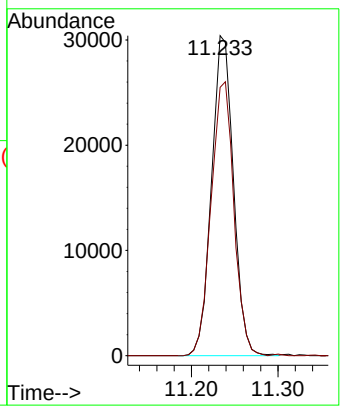


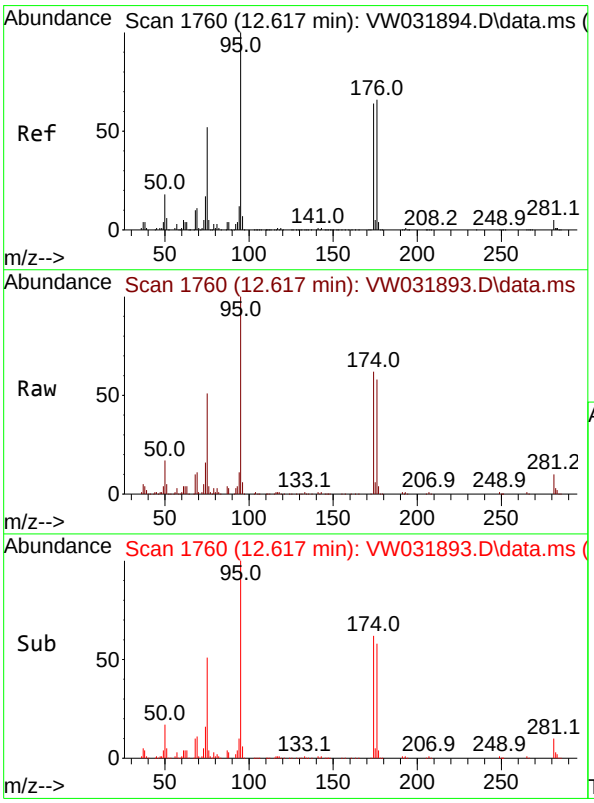
#61
1,2-Dibromoethane
Concen: 21.035 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 53321

Ion	Ratio	Lower	Upper
107	100		
109	89.2	74.2	111.4

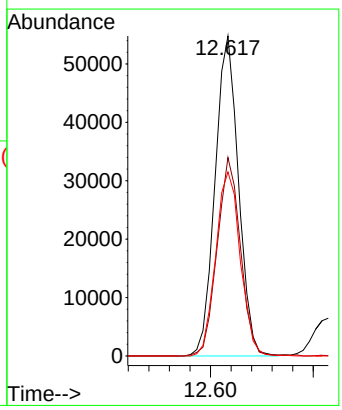


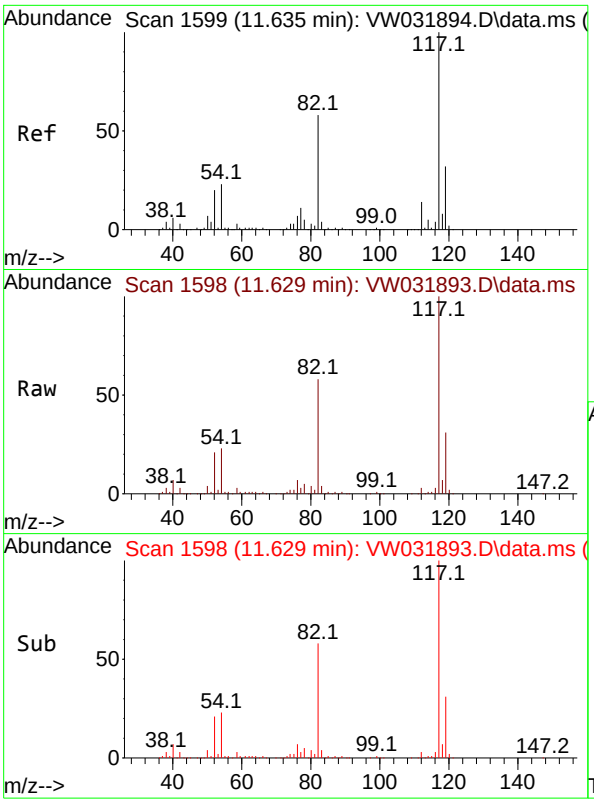


#62
4-Bromofluorobenzene
Concen: 20.921 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 95 Resp: 86515

Ion	Ratio	Lower	Upper
95	100		
174	61.5	0.0	129.8
176	60.4	0.0	130.4



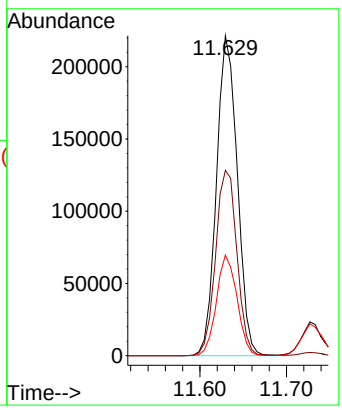


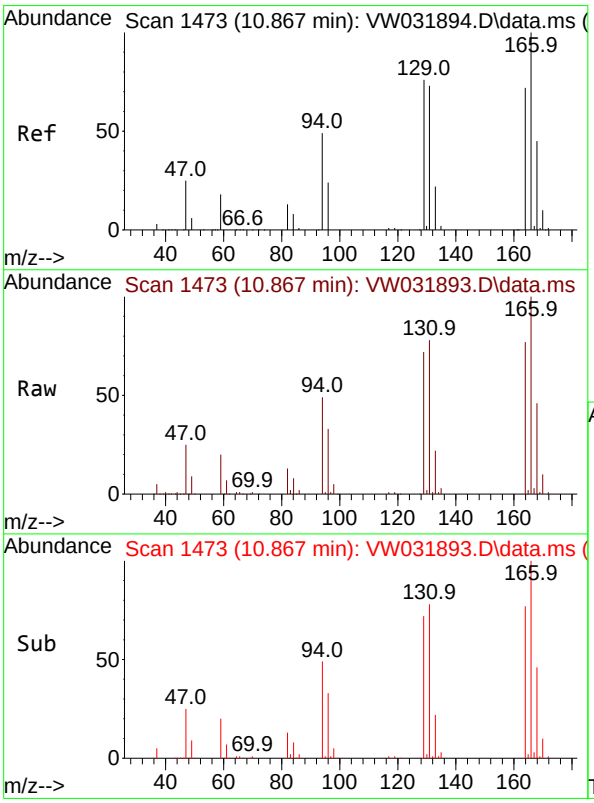
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 369653

Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.5	69.7
119	31.5	25.8	38.6

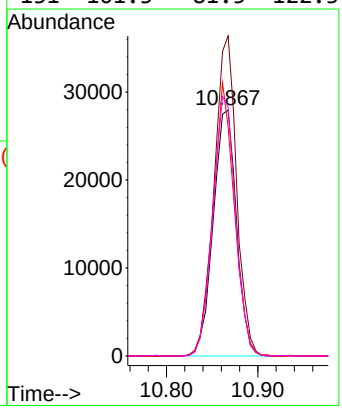


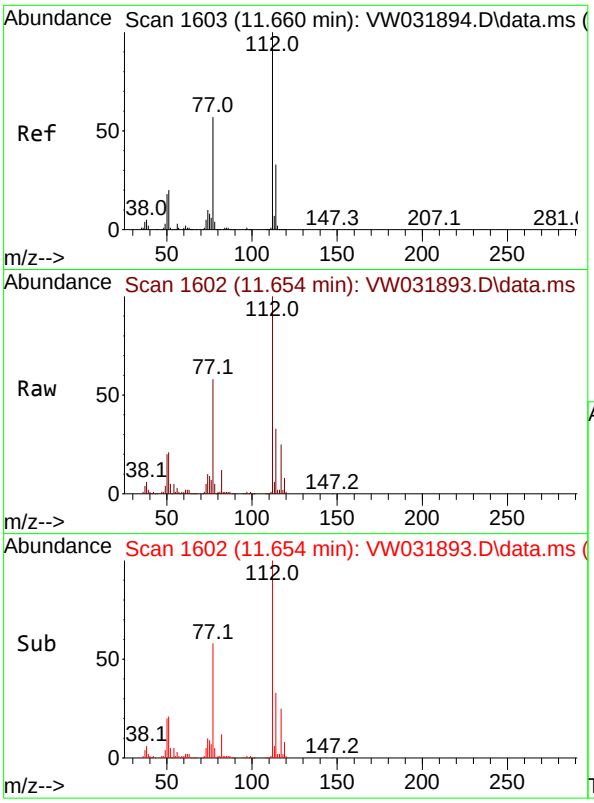


#64
Tetrachloroethene
Concen: 20.230 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:164 Resp: 49304

Ion	Ratio	Lower	Upper
164	100		
166	130.1	111.5	167.3
129	93.2	85.1	127.7
131	101.3	81.5	122.3



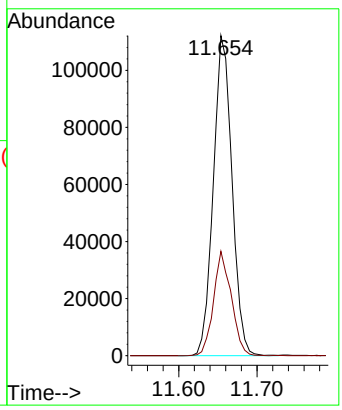


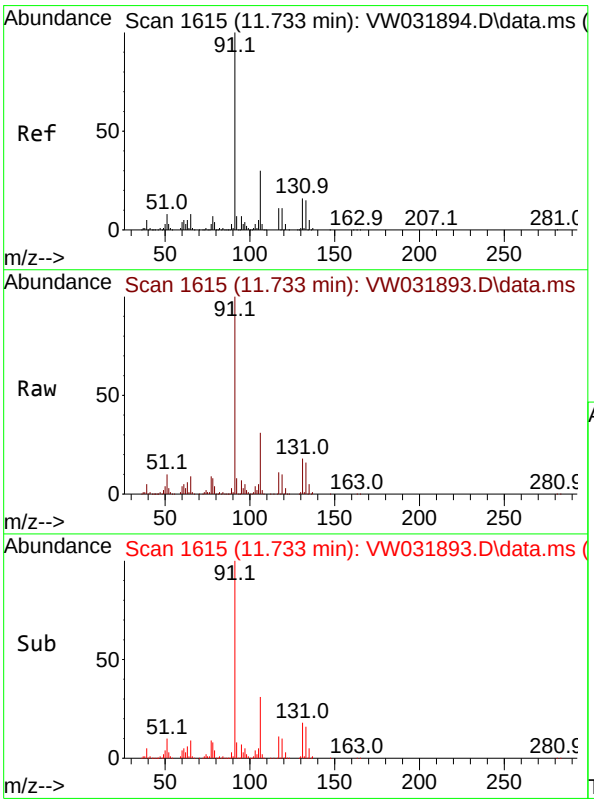
#65
Chlorobenzene
Concen: 20.552 ug/l
RT: 11.654 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 185932

Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.2

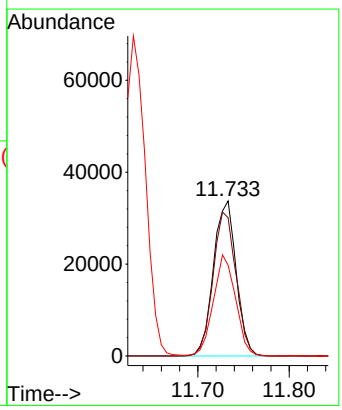


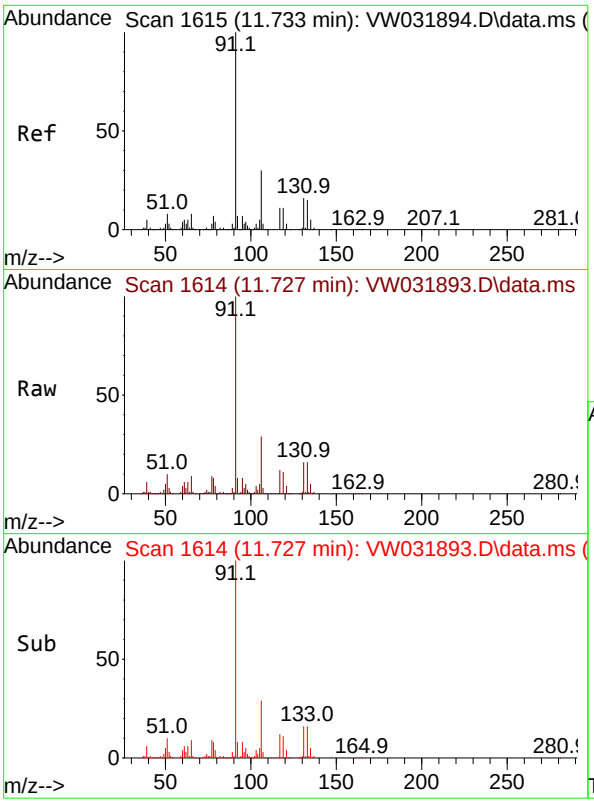


#66
1,1,1,2-Tetrachloroethane
Concen: 20.767 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:131 Resp: 58246

Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.4
119	63.8	33.7	101.1



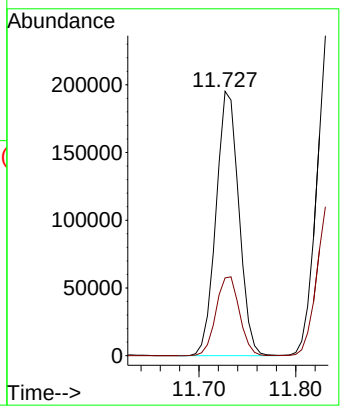


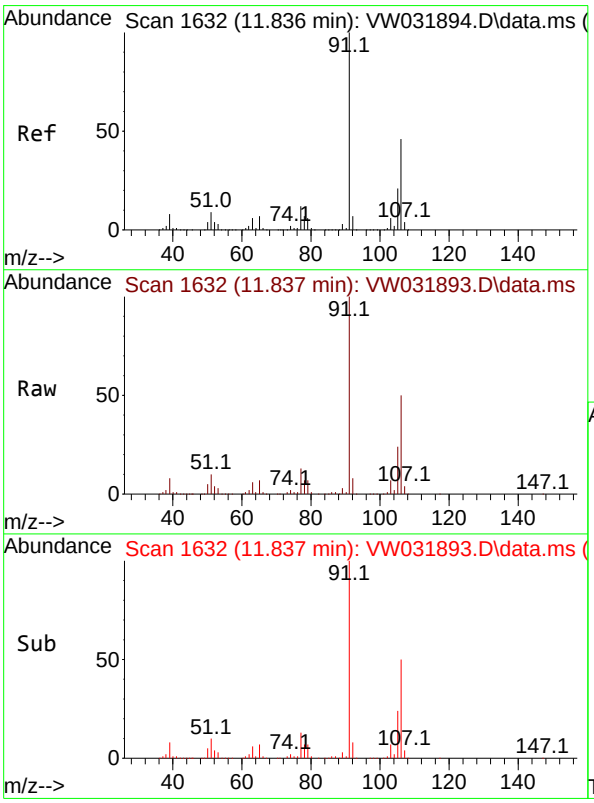
#67
Ethyl Benzene
Concen: 20.134 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 320050

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

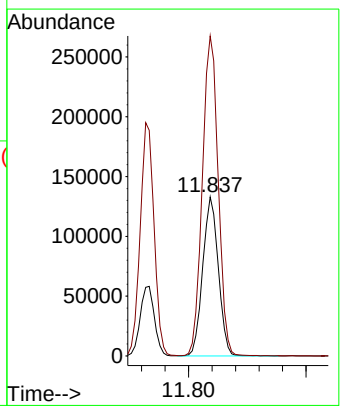


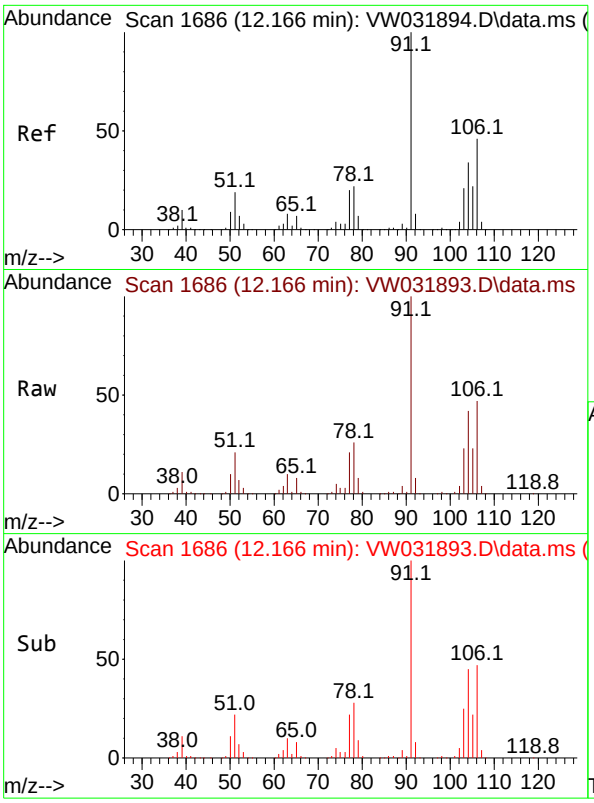


#68
m/p-Xylenes
Concen: 40.945 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:106 Resp: 245015

Ion	Ratio	Lower	Upper
106	100		
91	204.8	167.7	251.5



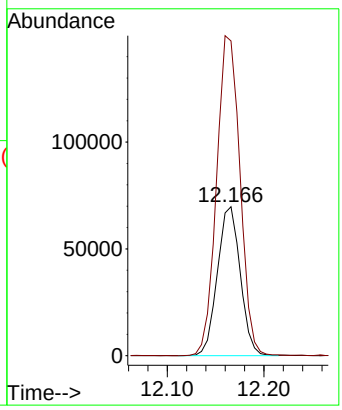


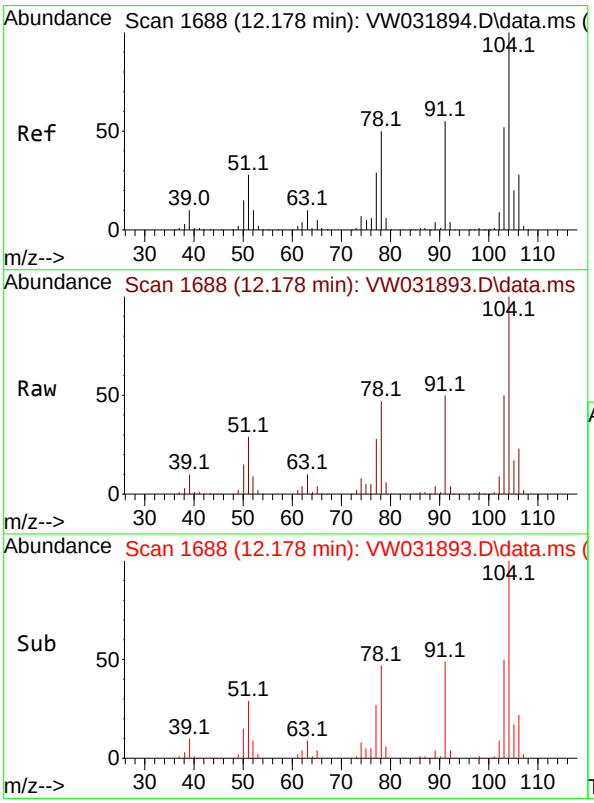
#69
o-Xylene
Concen: 20.216 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 114484

Ion	Ratio	Lower	Upper
106	100		
91	220.6	108.2	324.6

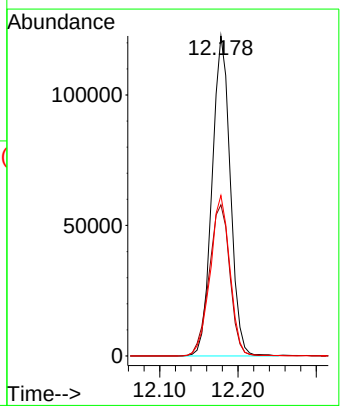


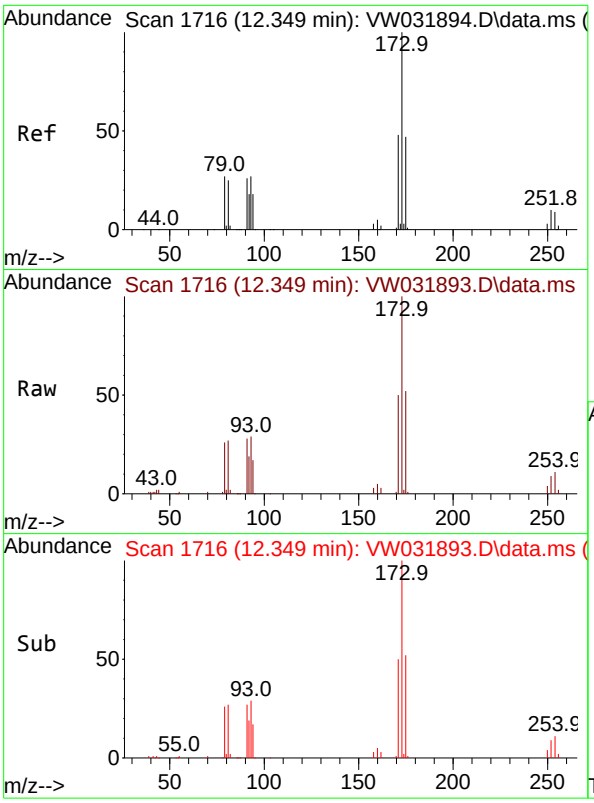


#70
Styrene
Concen: 20.610 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:104 Resp: 198720

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	53.9	42.8	64.2



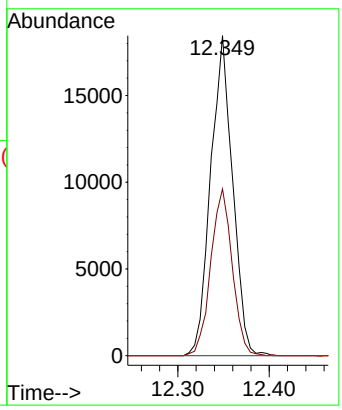


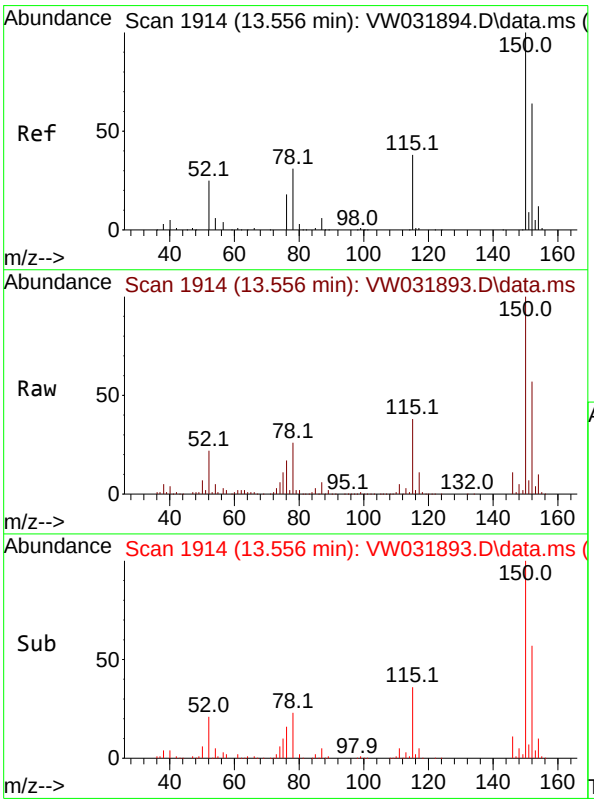
#71
Bromoform
Concen: 20.055 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 30762

Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.5	73.5
254	0.0	0.2	0.2#

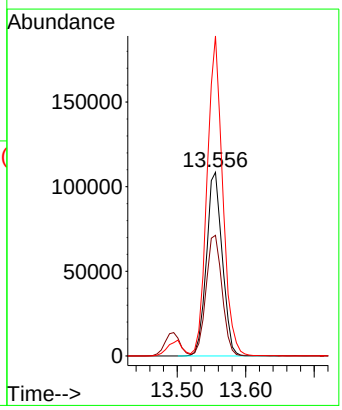


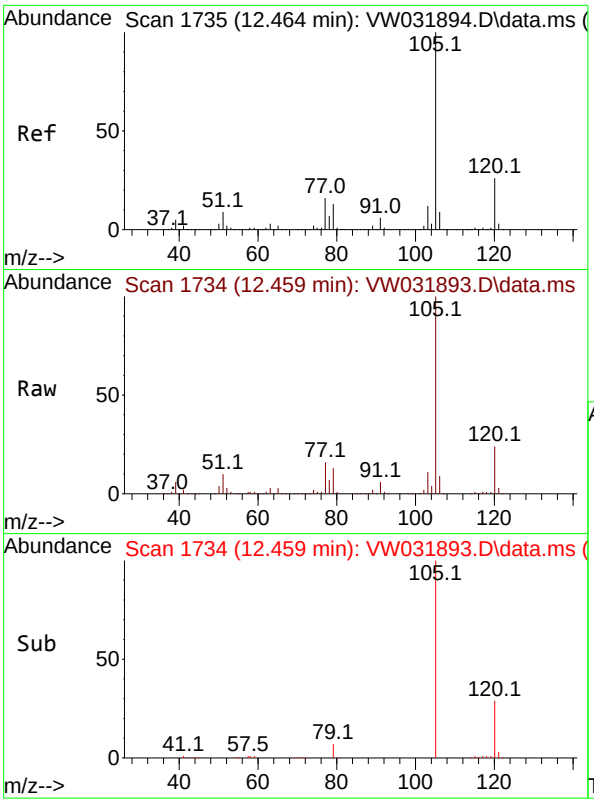


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:152 Resp: 174259

Ion	Ratio	Lower	Upper
152	100		
115	66.4	33.4	100.1
150	171.2	0.0	352.2



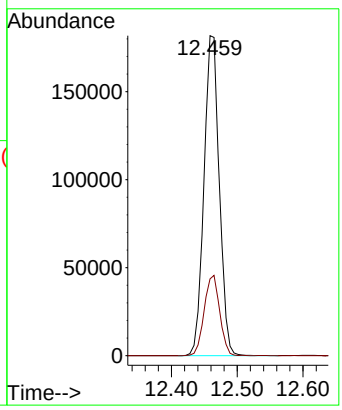


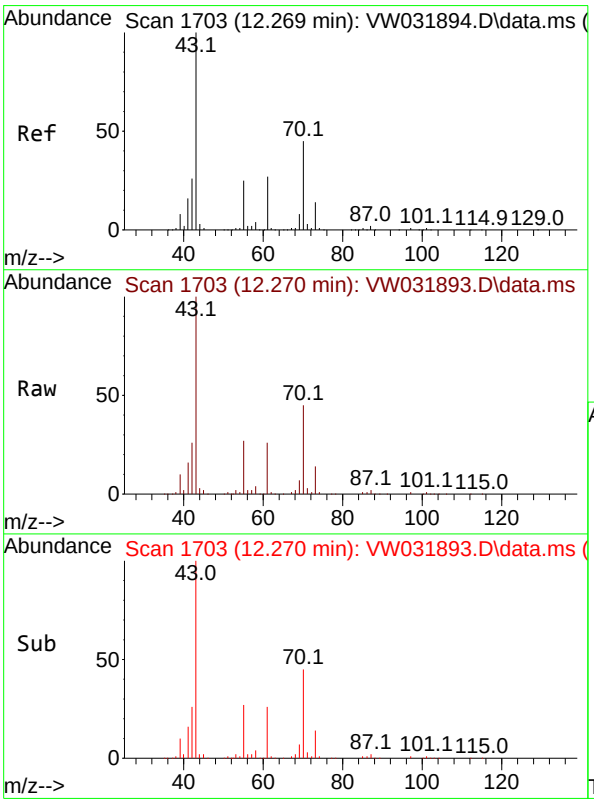
#73
Isopropylbenzene
Concen: 19.474 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 294447

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

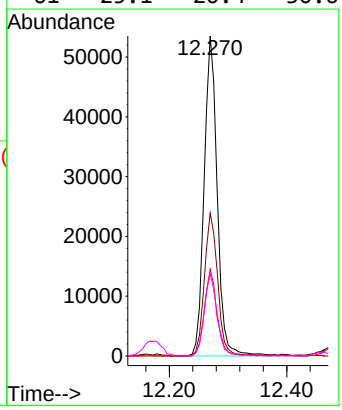


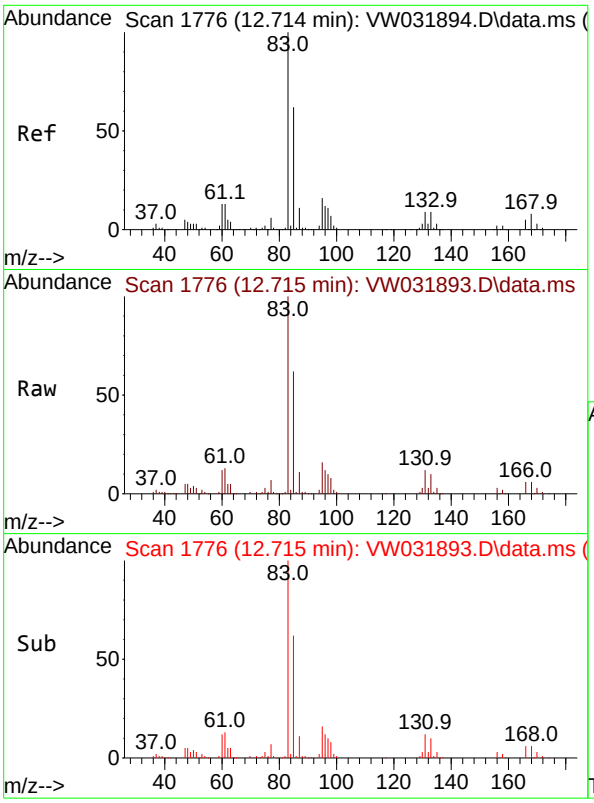


#74
N-amyl acetate
Concen: 20.253 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 43 Resp: 82784

Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.6	55.0
55	26.5	20.7	31.1
61	25.1	20.4	30.6



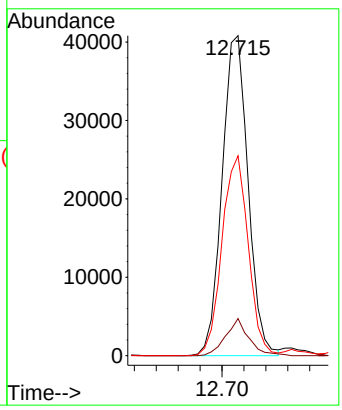


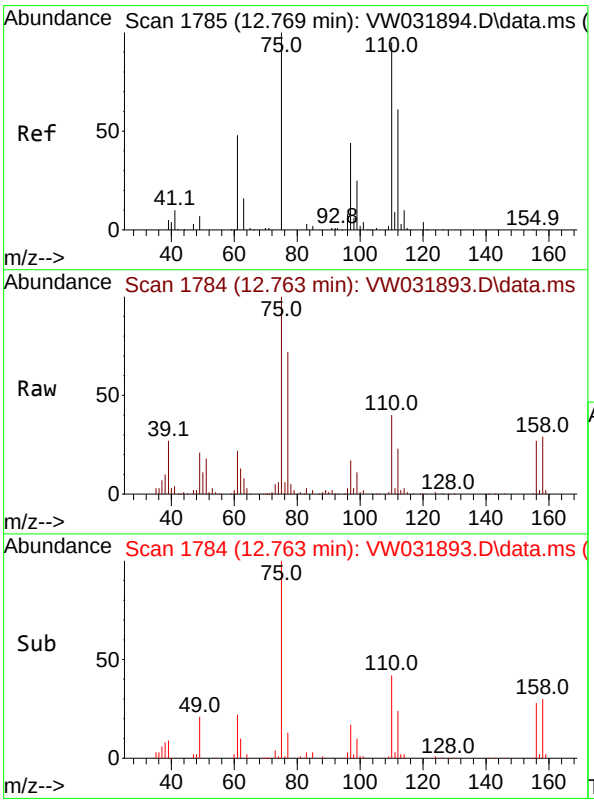
#75
1,1,2,2-Tetrachloroethane
Concen: 20.939 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 67200

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	63.2	31.8	95.3

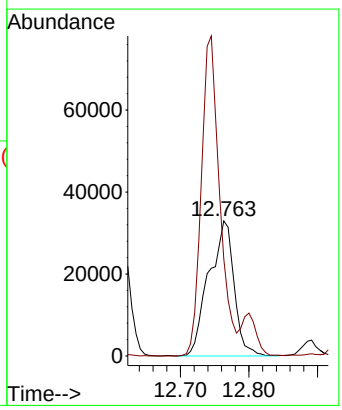


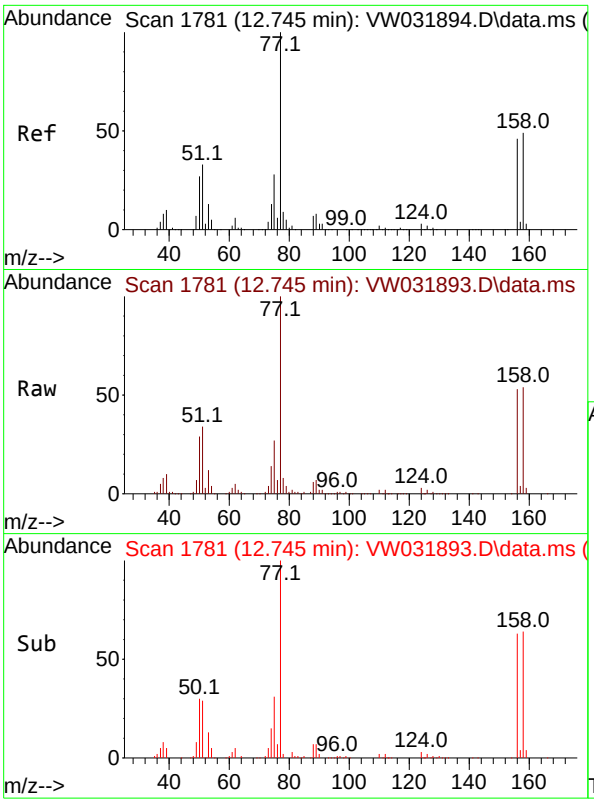


#76
1,2,3-Trichloropropane
Concen: 35.248 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 84092

Ion	Ratio	Lower	Upper
75	100		
77	173.1	0.0	0.0#



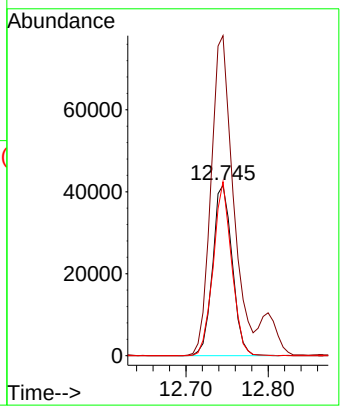


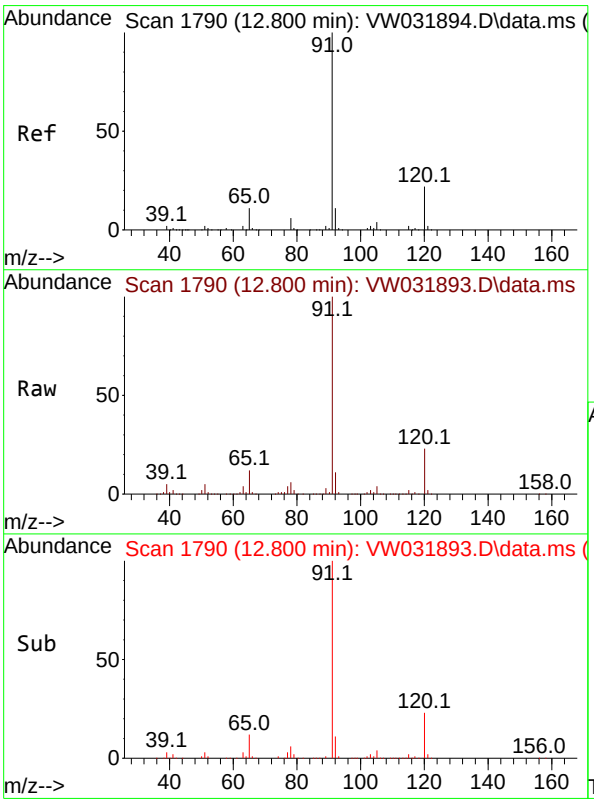
#77
Bromobenzene
Concen: 20.916 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 68424

Ion	Ratio	Lower	Upper
156	100		
77	212.7	115.3	345.8
158	96.4	50.1	150.3

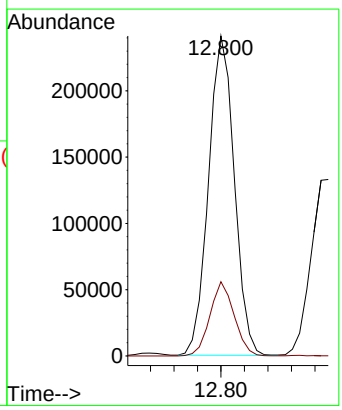


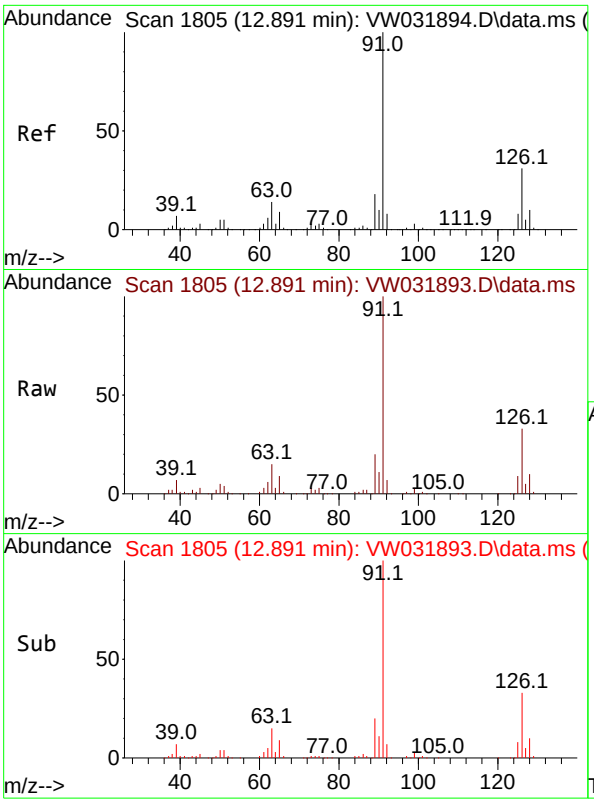


#78
n-propylbenzene
Concen: 19.769 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 367105

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.6



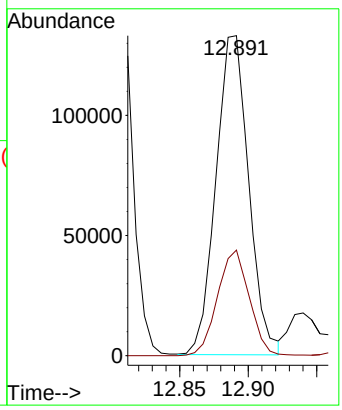


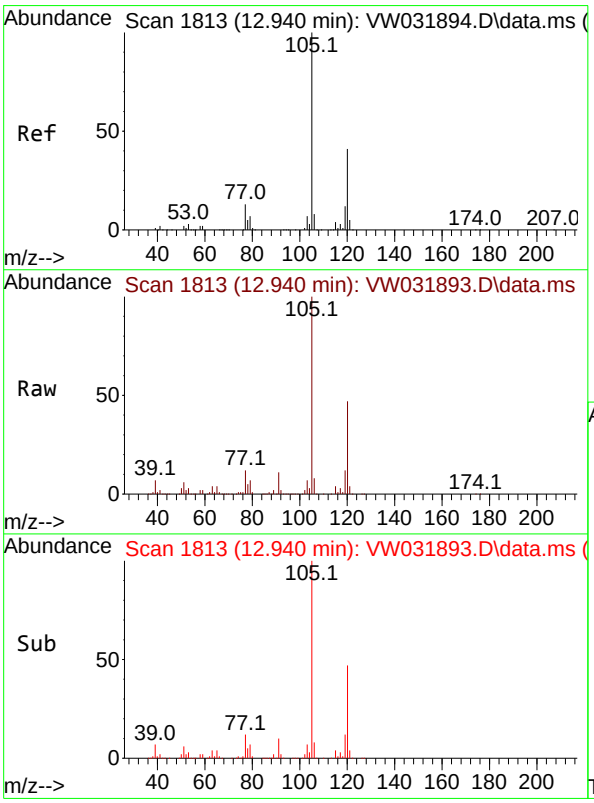
#79
2-Chlorotoluene
Concen: 19.964 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 221355

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.6	46.8

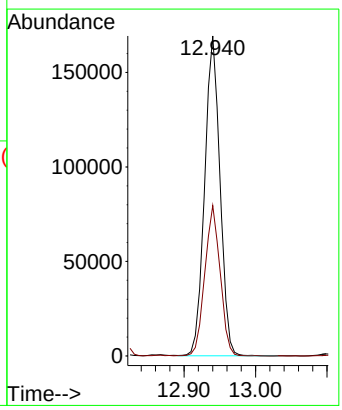


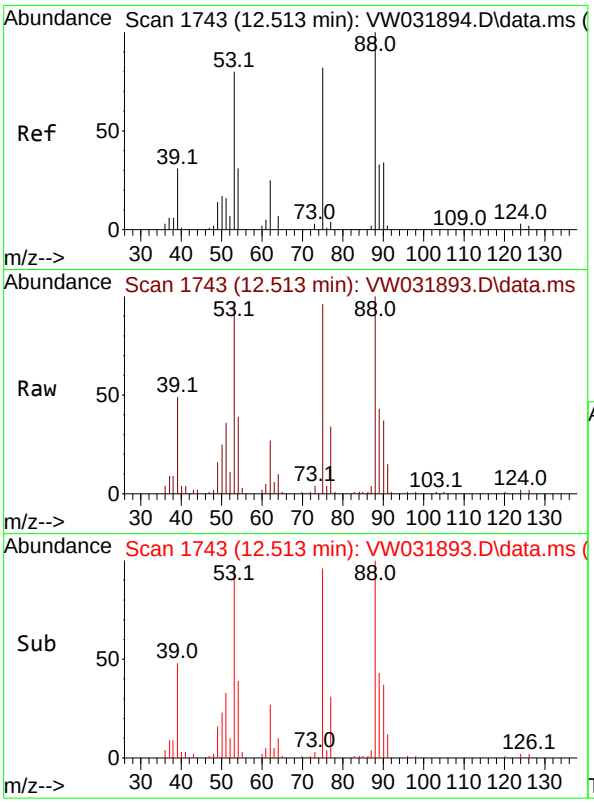


#80
1,3,5-Trimethylbenzene
Concen: 19.898 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 252317

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.5



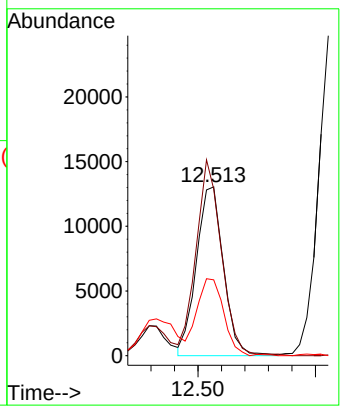


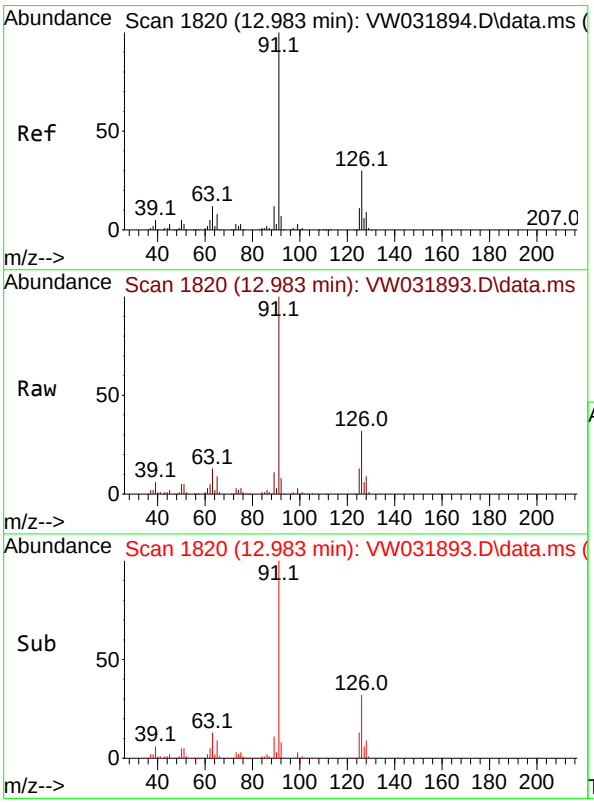
#81
trans-1,4-Dichloro-2-butene
Concen: 20.104 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 20950

Ion	Ratio	Lower	Upper
75	100		
53	108.4	83.7	125.5
89	45.1	39.0	58.6

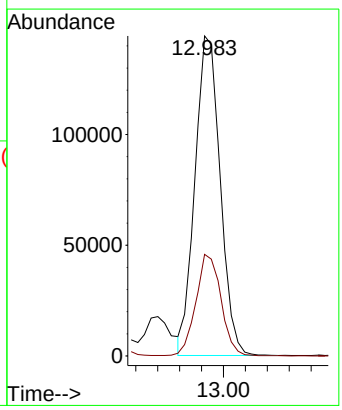


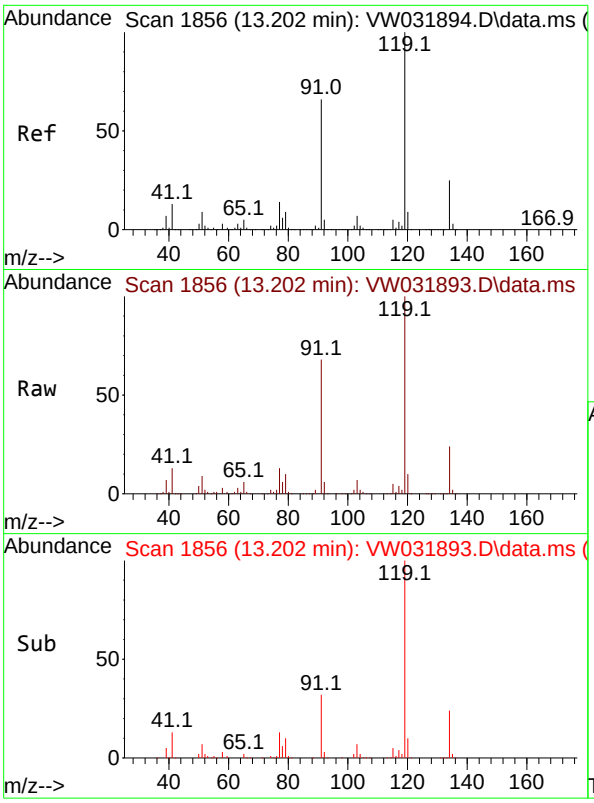


#82
4-Chlorotoluene
Concen: 19.843 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 91 Resp: 230806

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3



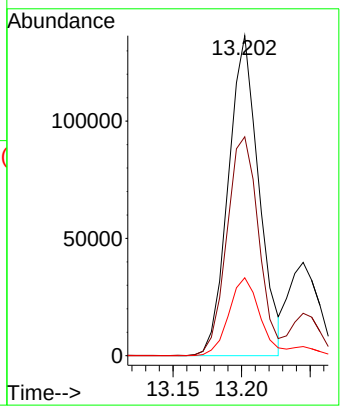


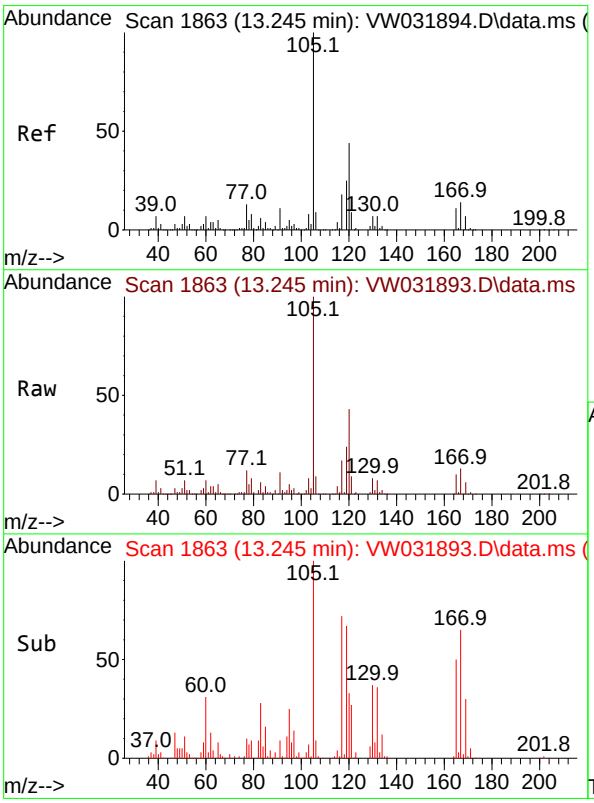
#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 211034

Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.5	106.5
134	24.9	12.4	37.0

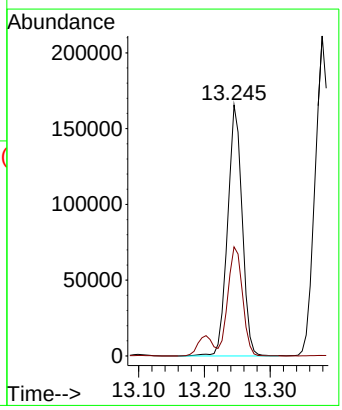


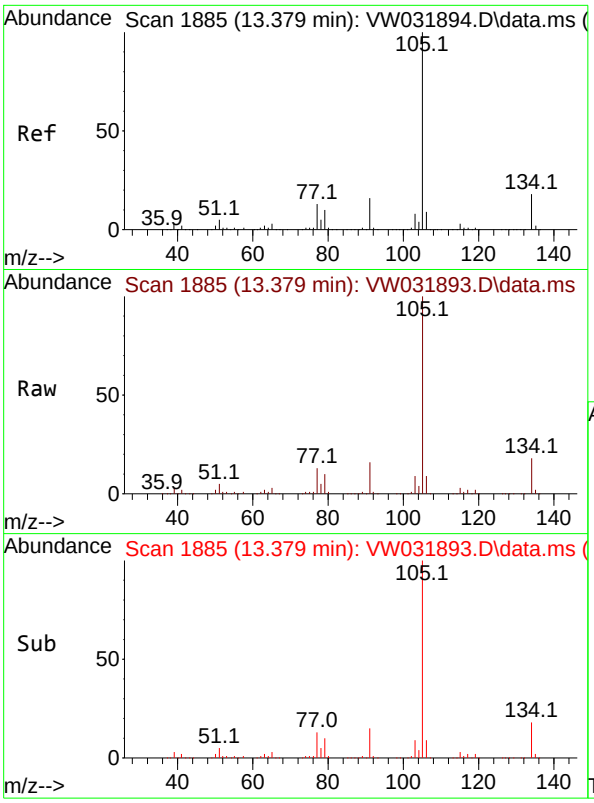


#84
1,2,4-Trimethylbenzene
Concen: 19.830 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:105 Resp: 254520

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.3	63.9



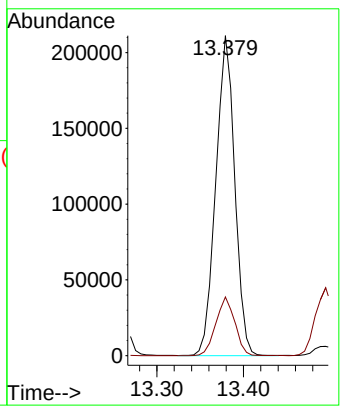


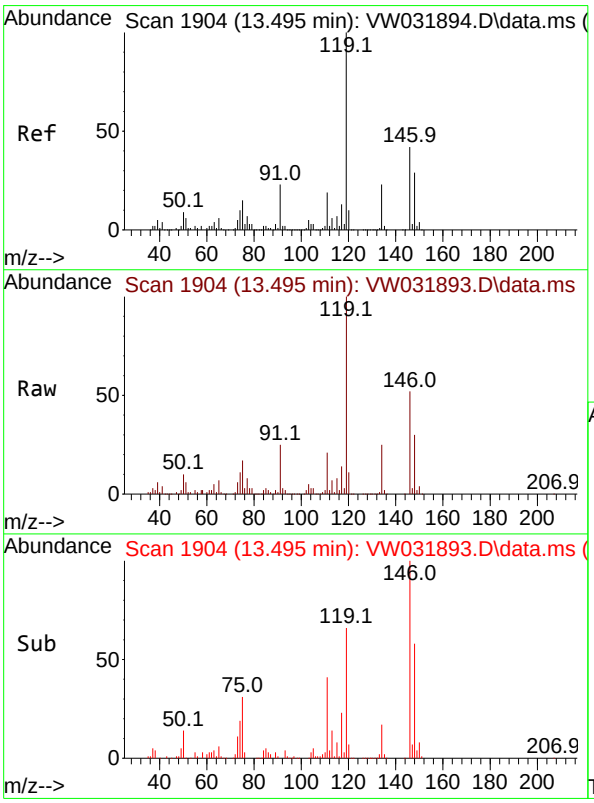
#85
sec-Butylbenzene
Concen: 19.782 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 320882

Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.2	27.6

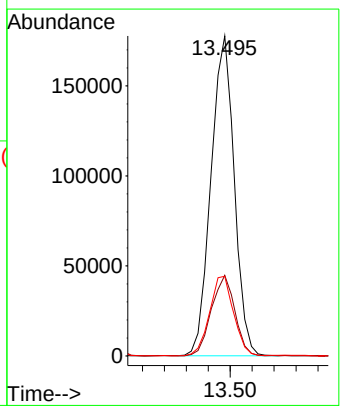


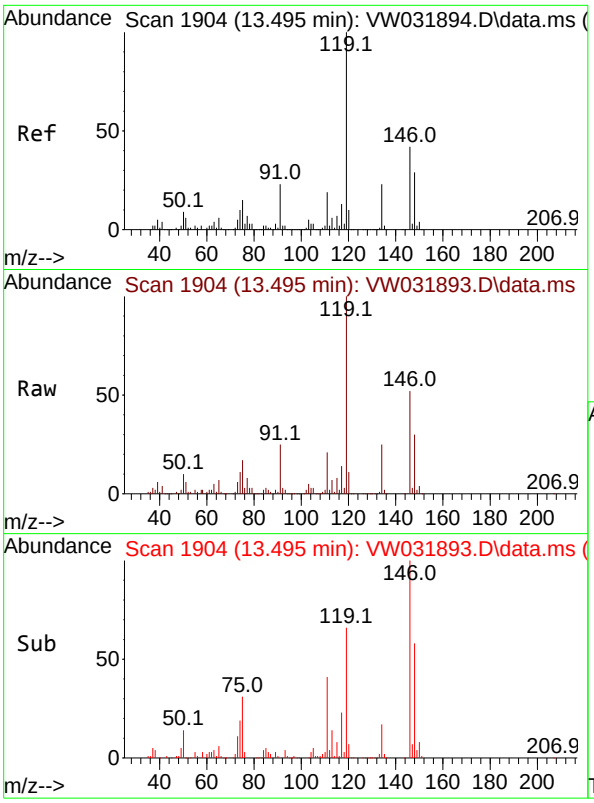


#86
p-Isopropyltoluene
Concen: 19.541 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:119 Resp: 262000

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	25.7	12.7	38.1



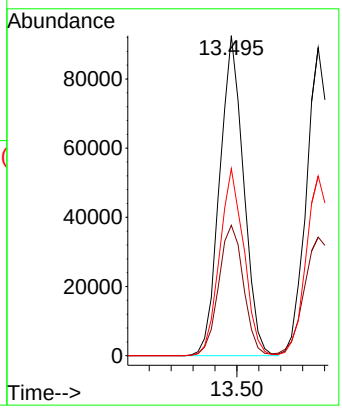


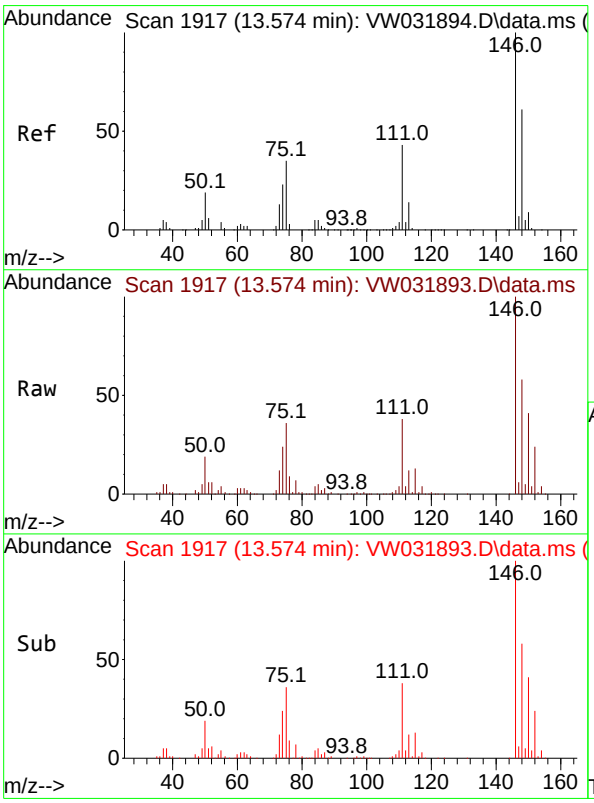
#87
1,3-Dichlorobenzene
Concen: 20.650 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 140624

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.7
148	59.1	31.9	95.5

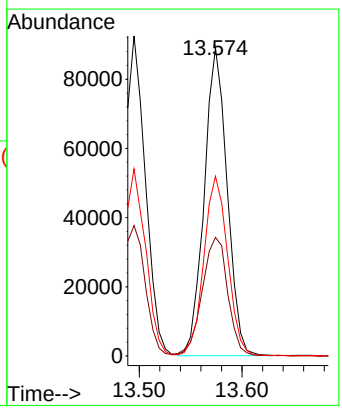


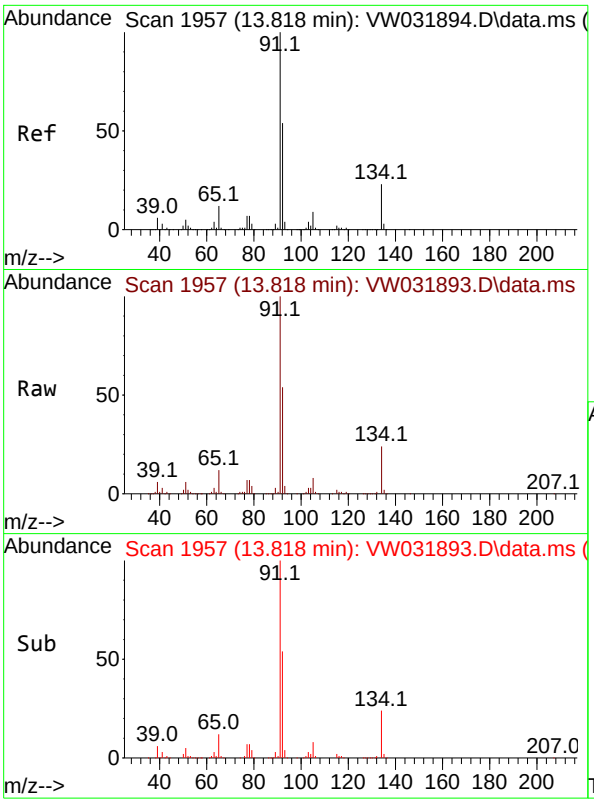


#88
1,4-Dichlorobenzene
Concen: 20.743 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:146 Resp: 138374

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	60.7	31.8	95.3



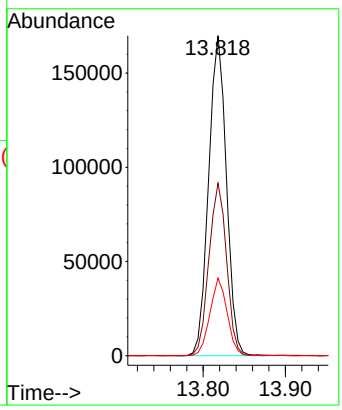


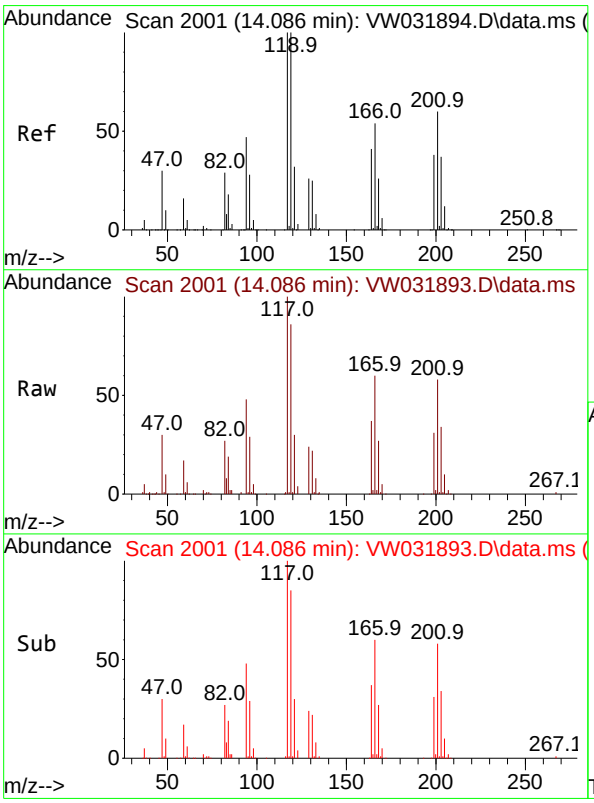
#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 255308

Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.5
134	23.4	11.6	34.7

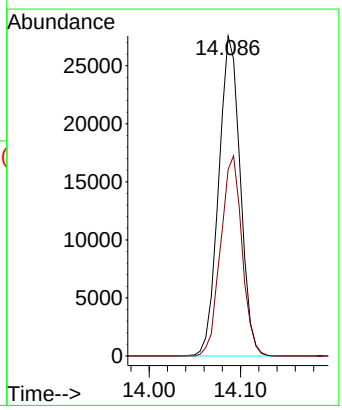


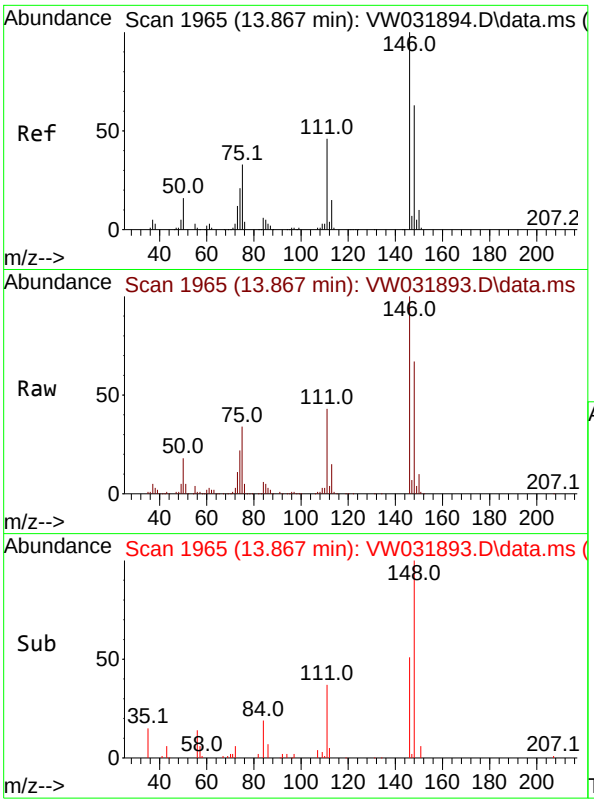


#90
Hexachloroethane
Concen: 19.485 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:117 Resp: 45174

Ion	Ratio	Lower	Upper
117	100		
201	62.3	28.4	85.2



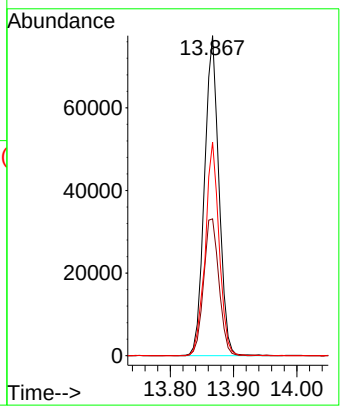


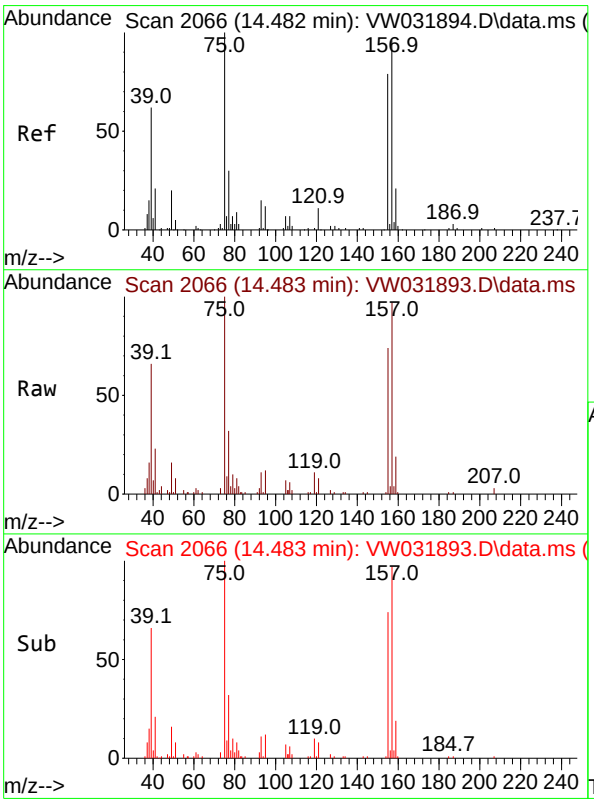
#91
1,2-Dichlorobenzene
Concen: 20.390 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 123056

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.6	71.0
148	64.2	32.4	97.2

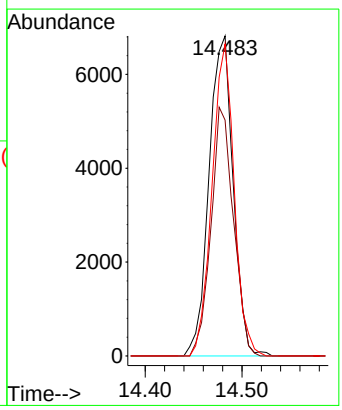


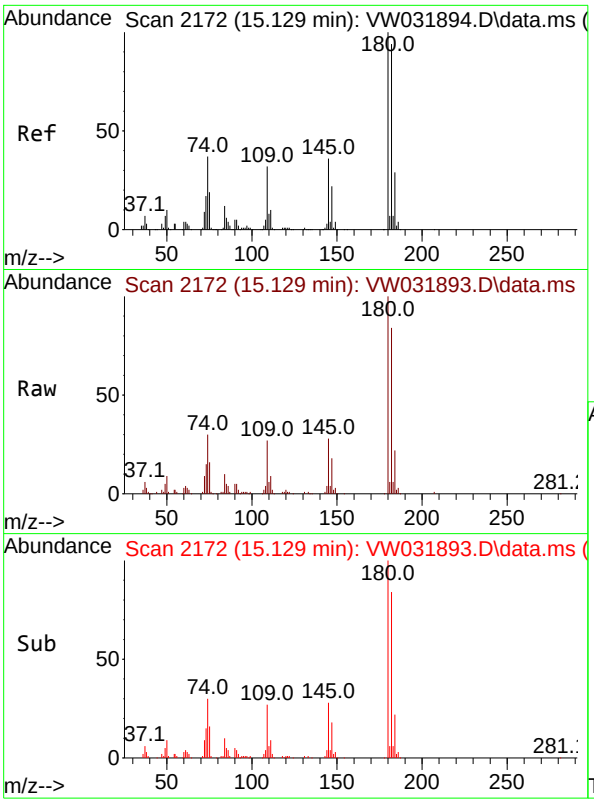


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.355 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion: 75 Resp: 11802

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	89.3	47.4	142.2



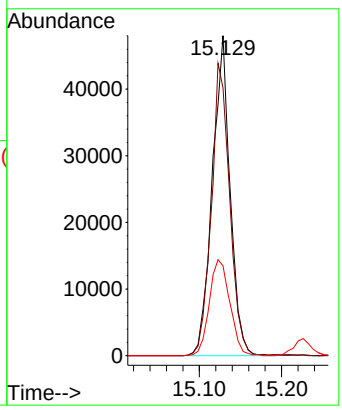


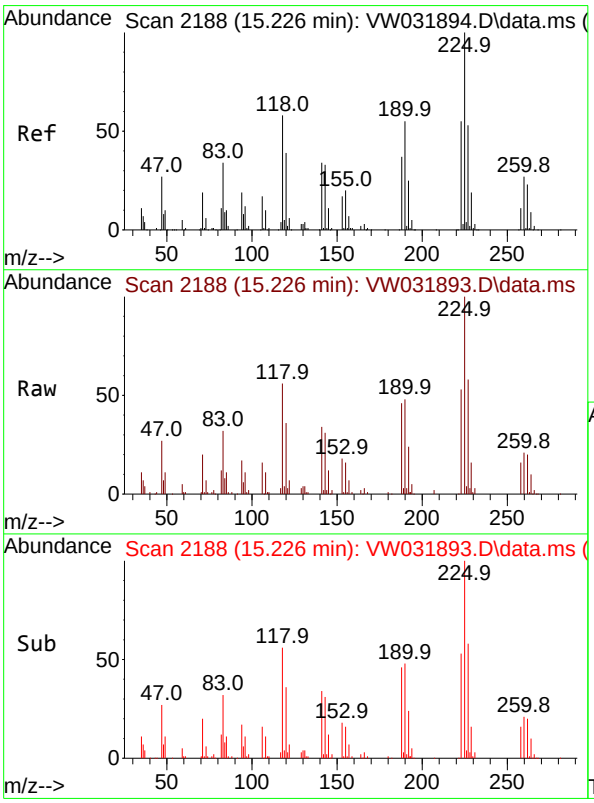
#93
1,2,4-Trichlorobenzene
Concen: 19.842 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 72217

Ion	Ratio	Lower	Upper
180	100		
182	94.3	51.0	153.1
145	34.6	18.4	55.4

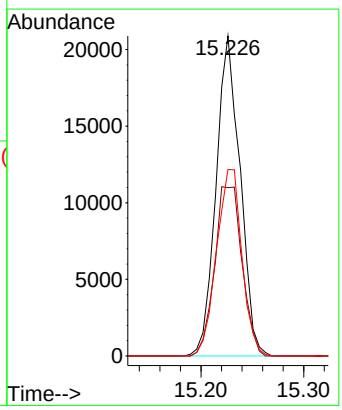


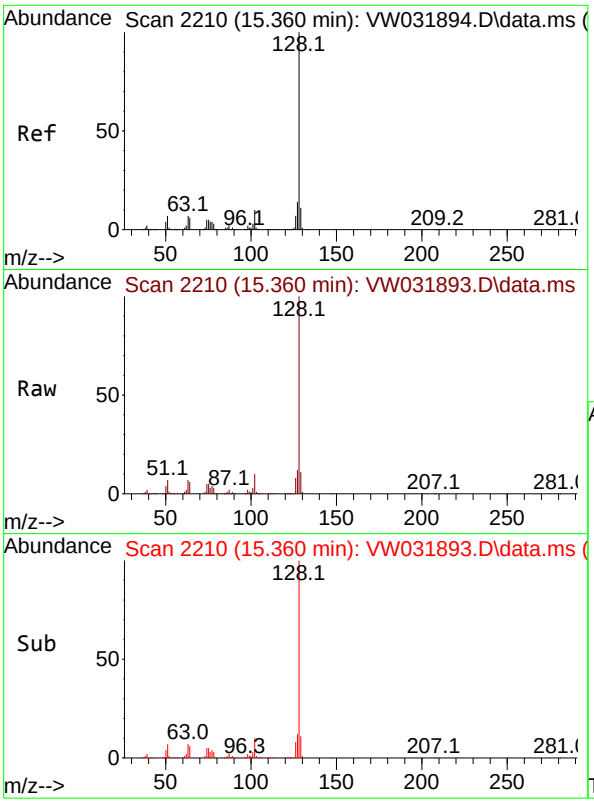


#94
Hexachlorobutadiene
Concen: 19.644 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:225 Resp: 33880

Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.7
227	61.7	30.0	90.1



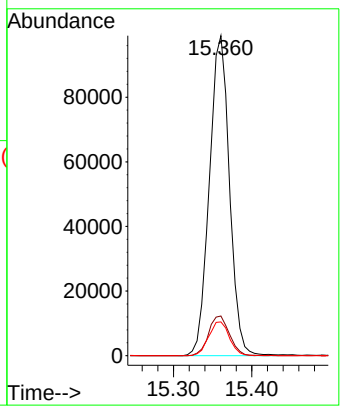


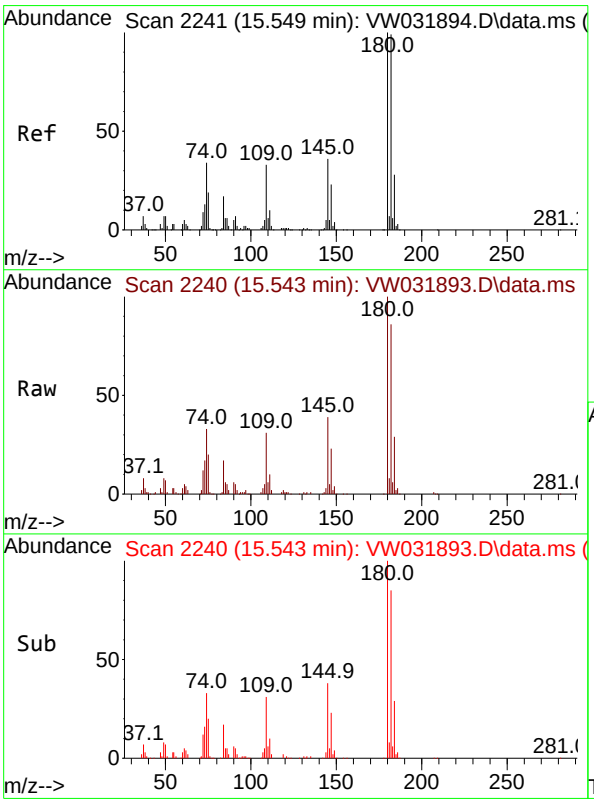
#95
Naphthalene
Concen: 19.736 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 176597

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.8	9.2	13.8

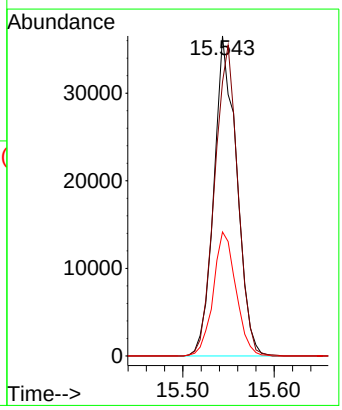




#96
1,2,3-Trichlorobenzene
Concen: 19.173 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031893.D
Acq: 22 Jul 2025 10:17

Tgt Ion:180 Resp: 63227

Ion	Ratio	Lower	Upper
180	100		
182	99.1	50.4	151.2
145	38.6	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	225122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159650	46.880	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 93.760%			
35) Dibromofluoromethane	7.904	113	136603	48.025	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.060%			
50) Toluene-d8	10.325	98	512311	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.617	95	192744	46.629	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	80644	48.198	ug/l	100
3) Chloromethane	2.259	50	97775	45.529	ug/l	100
4) Vinyl Chloride	2.411	62	138448	49.629	ug/l	100
5) Bromomethane	2.832	94	97813	47.615	ug/l	100
6) Chloroethane	2.978	64	88298	47.958	ug/l	100
7) Trichlorofluoromethane	3.314	101	152835	54.091	ug/l	100
8) Diethyl Ether	3.728	74	87596	46.411	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	132678	48.819	ug/l	100
10) Methyl Iodide	4.307	142	194830	47.947	ug/l	100
11) Tert butyl alcohol	5.222	59	48976	244.659	ug/l	100
12) 1,1-Dichloroethene	4.076	96	145251	48.388	ug/l	100
13) Acrolein	3.942	56	59249	217.217	ug/l	100
14) Allyl chloride	4.710	41	227564	48.698	ug/l	100
15) Acrylonitrile	5.405	53	205004	242.948	ug/l	100
16) Acetone	4.167	43	186627	230.941	ug/l	100
17) Carbon Disulfide	4.423	76	381111	48.954	ug/l	100
18) Methyl Acetate	4.716	43	106992	48.056	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	254734	49.114	ug/l	100
20) Methylene Chloride	4.954	84	170144	49.149	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	155488	48.820	ug/l	100
22) Diisopropyl ether	6.344	45	465380	49.771	ug/l	100
23) Vinyl Acetate	6.289	43	1525293	249.686	ug/l	100
24) 1,1-Dichloroethane	6.246	63	284373	48.847	ug/l	100
25) 2-Butanone	7.191	43	266059	240.629	ug/l	100
26) 2,2-Dichloropropane	7.191	77	166236	50.437	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	185527	49.549	ug/l	100
28) Bromochloromethane	7.532	49	118407	48.577	ug/l	100
29) Tetrahydrofuran	7.557	42	179179	247.172	ug/l	100
30) Chloroform	7.691	83	295801	48.459	ug/l	100
31) Cyclohexane	7.971	56	247509	47.389	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	227418	48.961	ug/l	100
36) 1,1-Dichloropropene	8.099	75	213142	48.794	ug/l	100
37) Ethyl Acetate	7.276	43	123663	49.627	ug/l	100
38) Carbon Tetrachloride	8.081	117	206216	49.190	ug/l	100
39) Methylcyclohexane	9.343	83	274858	50.000	ug/l	100
40) Benzene	8.337	78	636145	49.197	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	75019	51.112	ug/l		100
42) 1,2-Dichloroethane	8.416	62	200964	48.561	ug/l		100
43) Isopropyl Acetate	8.435	43	222170	49.250	ug/l		100
44) Trichloroethene	9.105	130	151736	49.368	ug/l		100
45) 1,2-Dichloropropane	9.374	63	150788	48.420	ug/l		100
46) Dibromomethane	9.465	93	94479	48.942	ug/l		100
47) Bromodichloromethane	9.648	83	223852	48.359	ug/l		100
48) Methyl methacrylate	9.441	41	107066	49.887	ug/l		100
49) 1,4-Dioxane	9.465	88	21855	1134.591	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	617526	250.133	ug/l		100
52) Toluene	10.392	92	409807	49.301	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	218411	49.187	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	251812	49.658	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	125532	48.955	ug/l		100
56) Ethyl methacrylate	10.648	69	184989	51.081	ug/l		100
57) 1,3-Dichloropropane	10.934	76	223219	49.412	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	466986	251.042	ug/l		100
59) 2-Hexanone	10.971	43	430358	250.784	ug/l		100
60) Dibromochloromethane	11.135	129	147041	49.183	ug/l		100
61) 1,2-Dibromoethane	11.233	107	124264	49.043	ug/l		100
64) Tetrachloroethene	10.867	164	116190	49.172	ug/l		100
65) Chlorobenzene	11.660	112	445905	50.836	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	135280	49.749	ug/l		100
67) Ethyl Benzene	11.733	91	797666	51.758	ug/l		100
68) m/p-Xylenes	11.836	106	590027	101.698	ug/l		100
69) o-Xylene	12.166	106	285328	51.967	ug/l		100
70) Styrene	12.178	104	487647	52.165	ug/l		100
71) Bromoform	12.349	173	78409	52.724	ug/l	#	100
73) Isopropylbenzene	12.464	105	743506	50.771	ug/l		100
74) N-amyl acetate	12.269	43	201296	50.845	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	154182	49.601	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	198020	85.698	ug/l	#	100
77) Bromobenzene	12.745	156	153362	48.402	ug/l		100
78) n-propylbenzene	12.800	91	899940	50.036	ug/l		100
79) 2-Chlorotoluene	12.891	91	528504	49.215	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	606401	49.373	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	50710	50.242	ug/l		100
82) 4-Chlorotoluene	12.983	91	553292	49.113	ug/l		100
83) tert-Butylbenzene	13.202	119	519792	49.685	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	621979	50.033	ug/l		100
85) sec-Butylbenzene	13.379	105	779564	49.619	ug/l		100
86) p-Isopropyltoluene	13.495	119	648382	49.930	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	322462	48.890	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	307895	47.653	ug/l		100
89) n-Butylbenzene	13.818	91	645926	50.705	ug/l		100
90) Hexachloroethane	14.086	117	108580	48.355	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	283107	48.433	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27088	48.235	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	166119	47.124	ug/l		100
94) Hexachlorobutadiene	15.226	225	82516	49.399	ug/l		100
95) Naphthalene	15.360	128	427849	49.367	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	157823	49.413	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

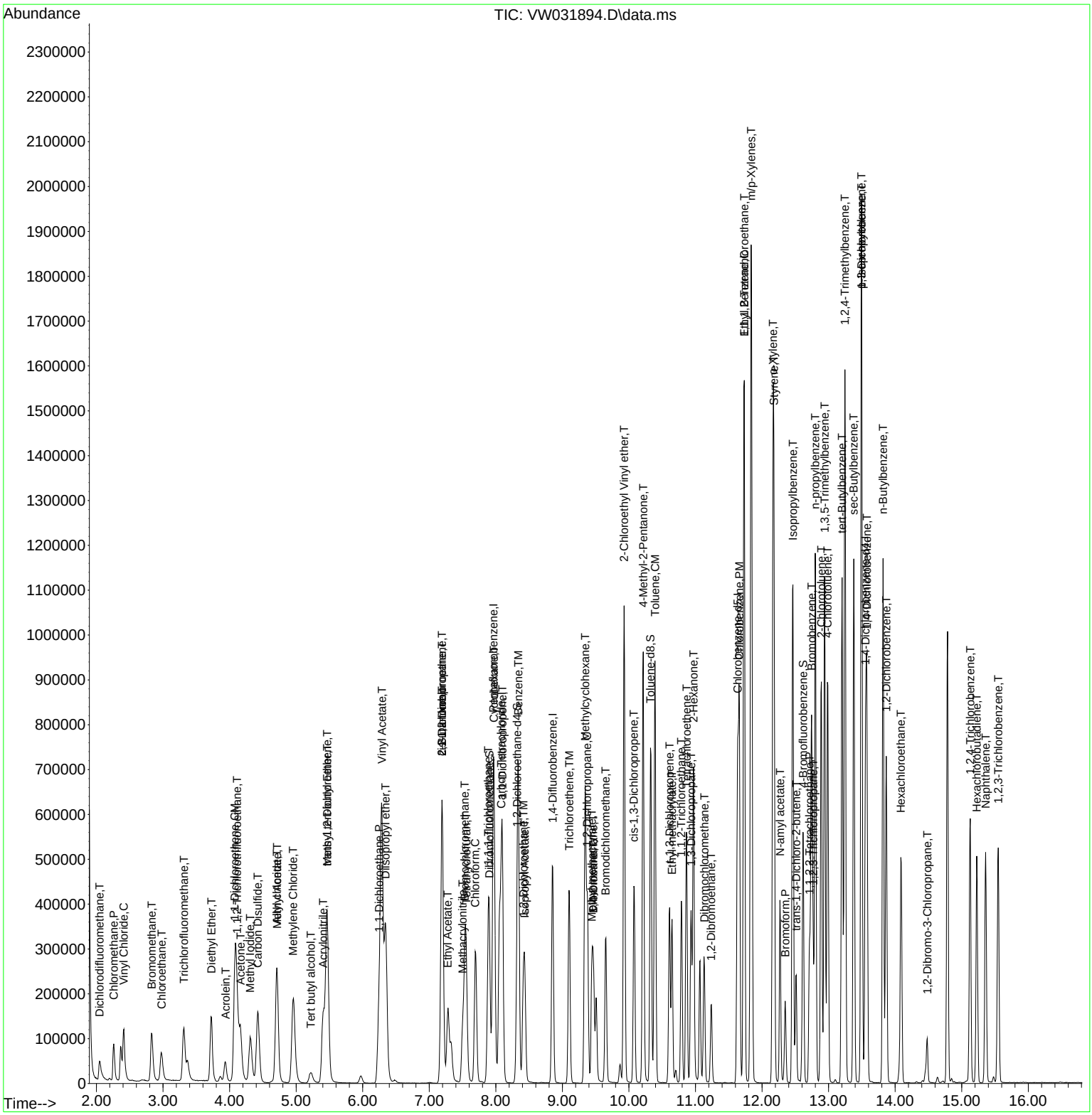
(#) = qualifier out of range (m) = manual integration (+) = signals summed

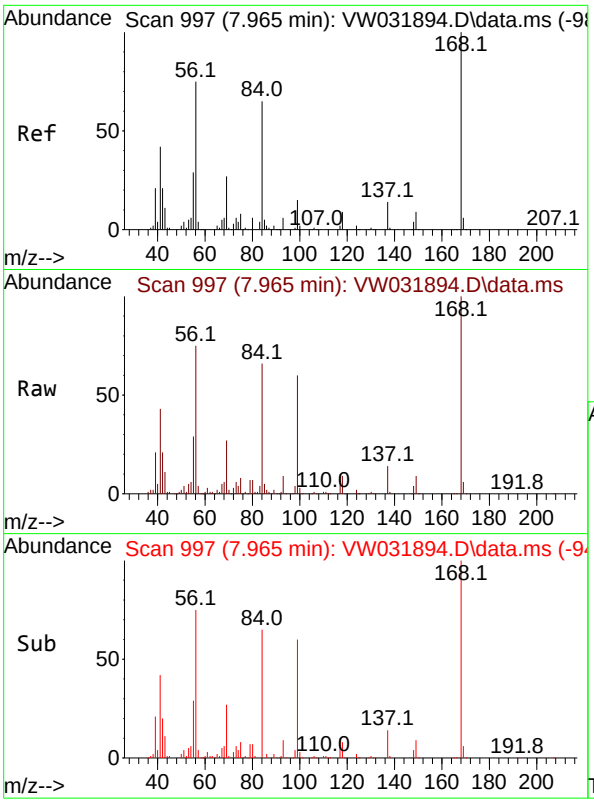
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



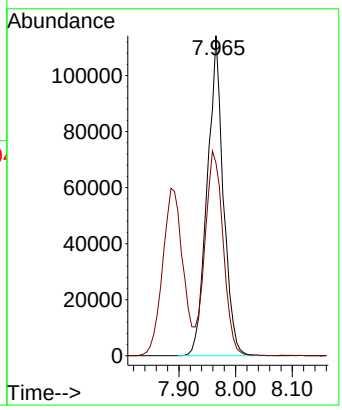


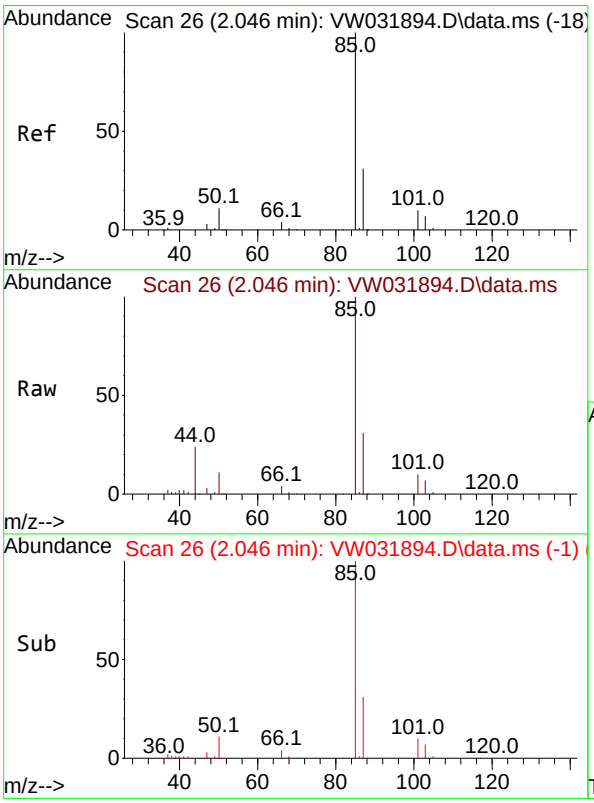
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 225122

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.2

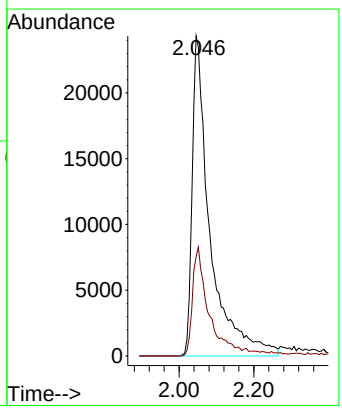


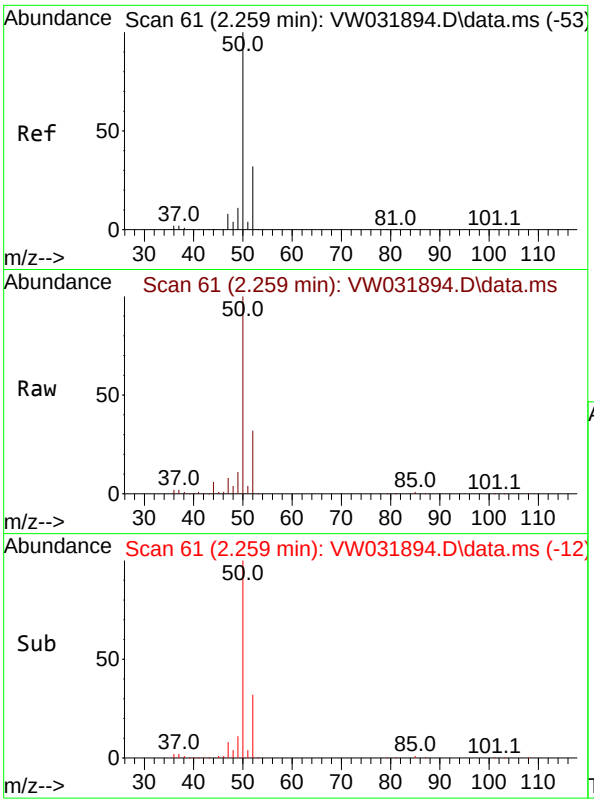


#2
Dichlorodifluoromethane
Concen: 48.198 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 85 Resp: 80644

Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.5	46.5



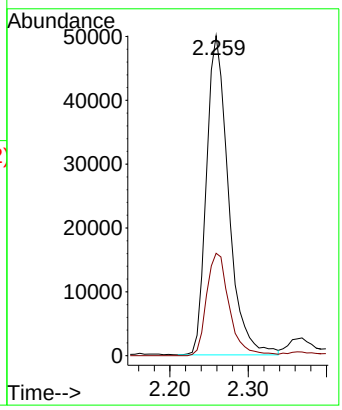


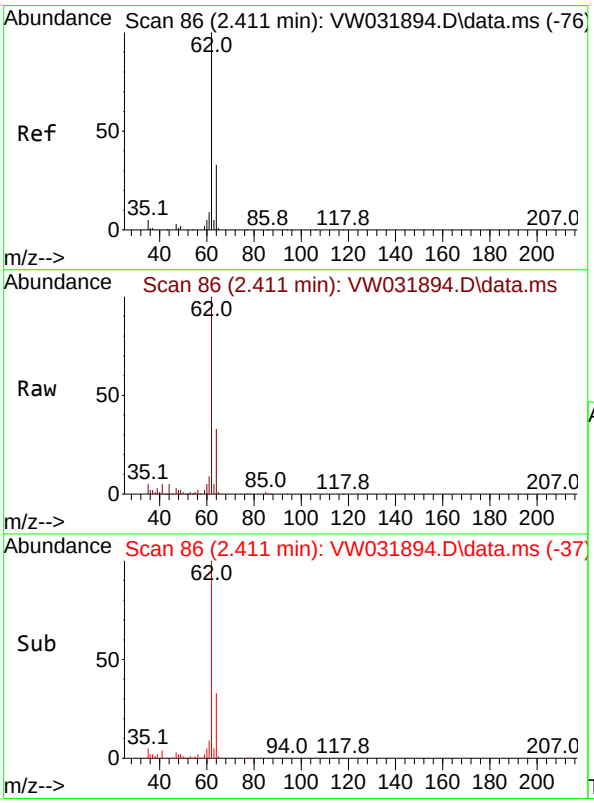
#3
Chloromethane
Concen: 45.529 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 97775

Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.7	38.5

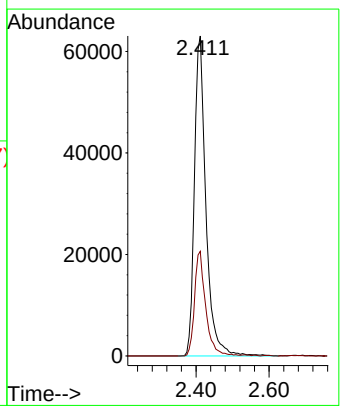


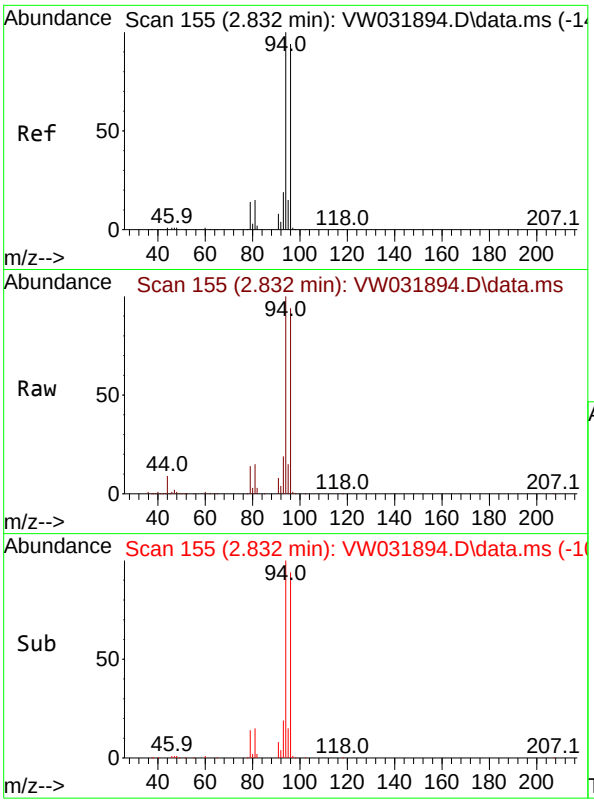


#4
Vinyl Chloride
Concen: 49.629 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 62 Resp: 138448

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.2



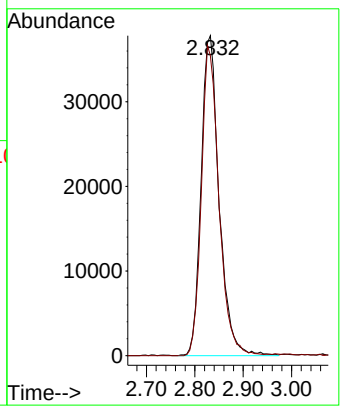


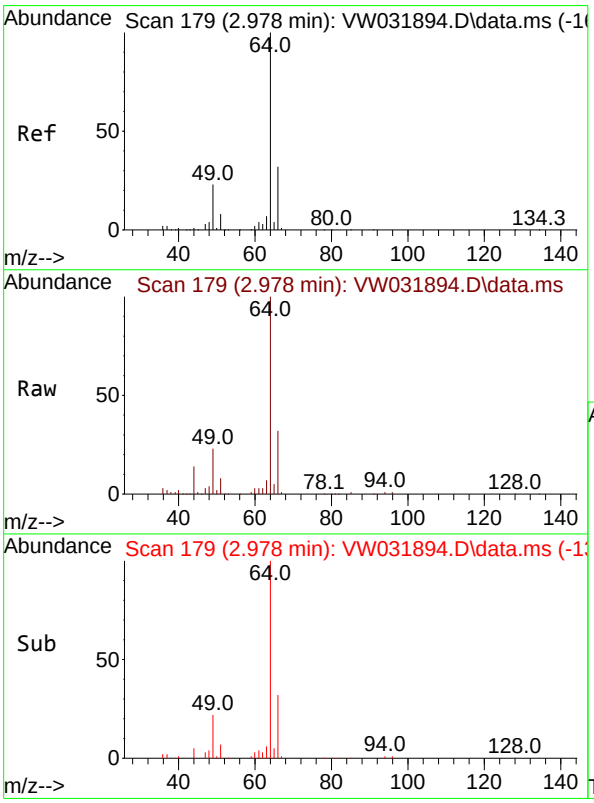
#5
Bromomethane
Concen: 47.615 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 97813

Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.6

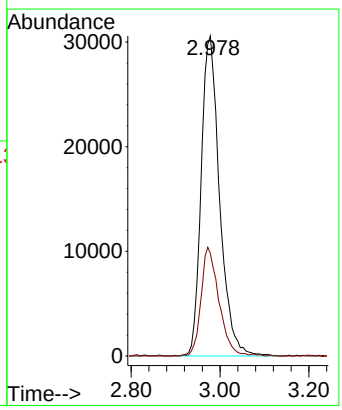


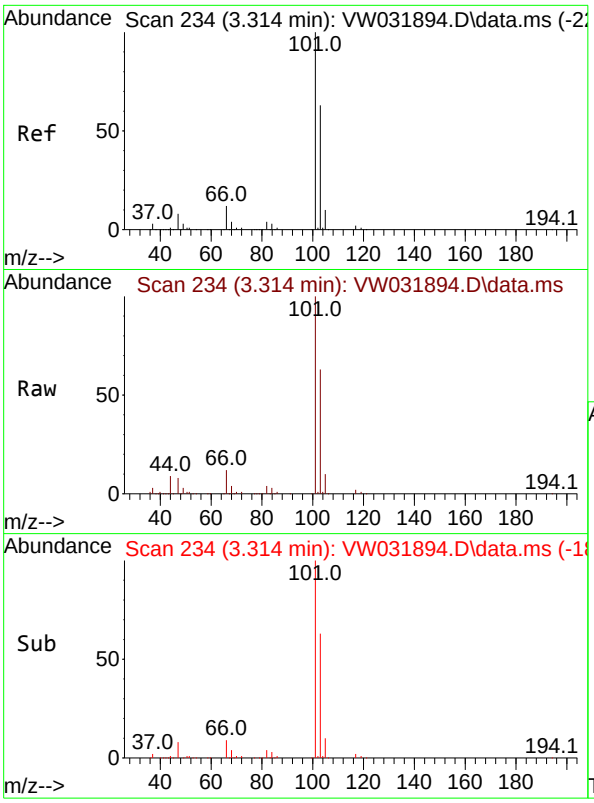


#6
Chloroethane
Concen: 47.958 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 64 Resp: 88298

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4



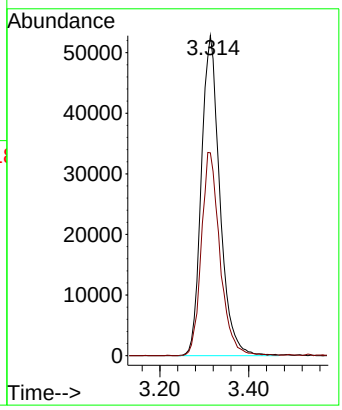


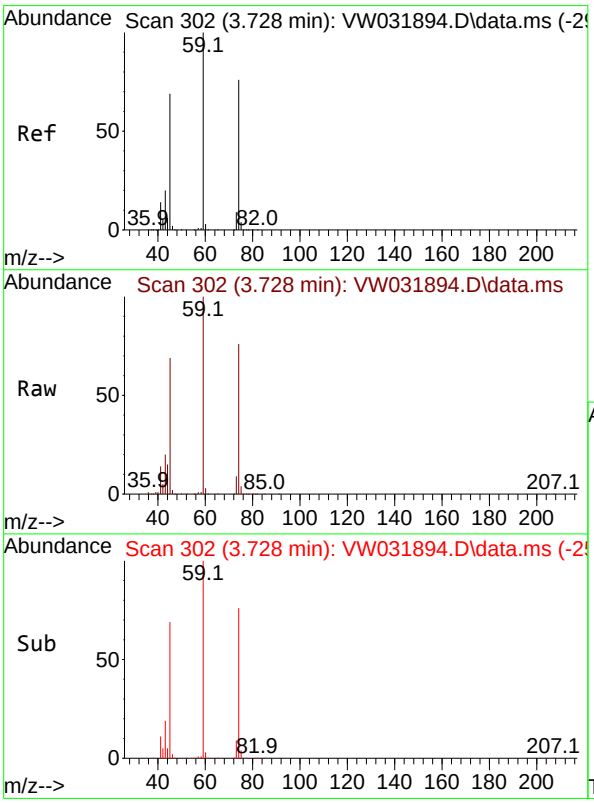
#7
Trichlorofluoromethane
Concen: 54.091 ug/l
RT: 3.314 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 152835

Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.7	76.1

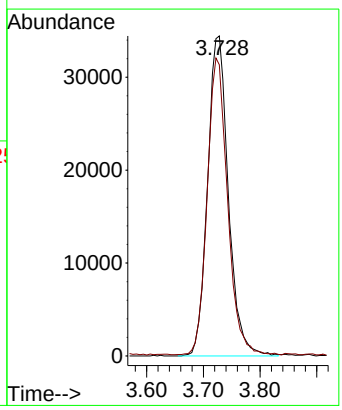


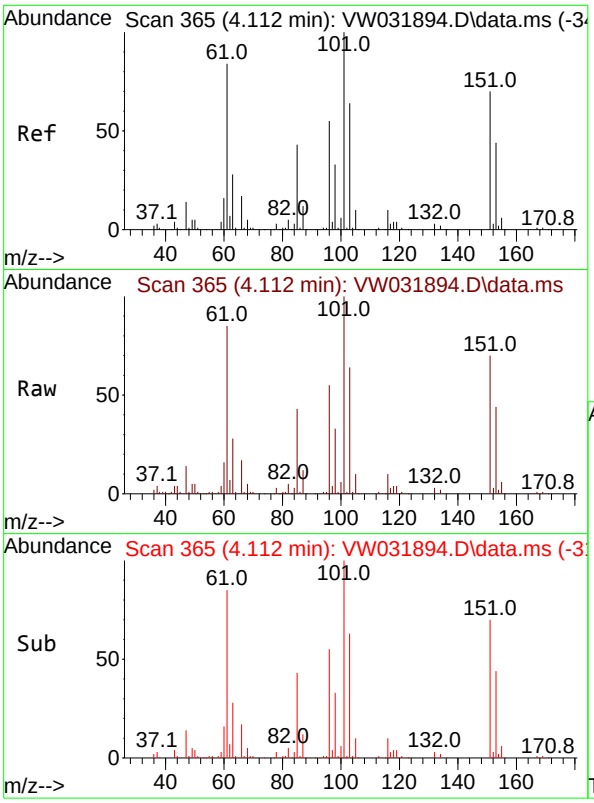


#8
Diethyl Ether
Concen: 46.411 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 74 Resp: 87596

Ion	Ratio	Lower	Upper
74	100		
45	91.0	45.5	136.5



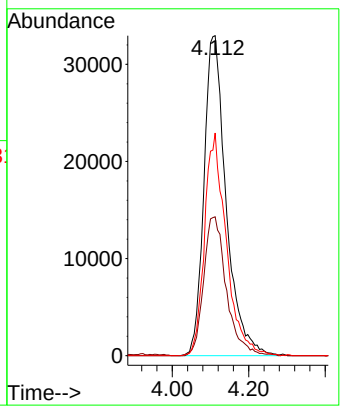


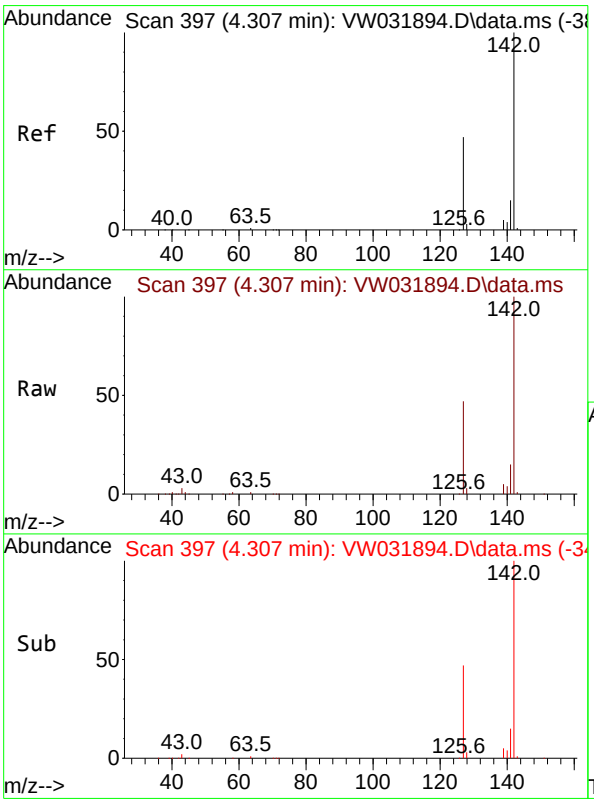
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.819 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 132678

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	68.2	54.6	81.8

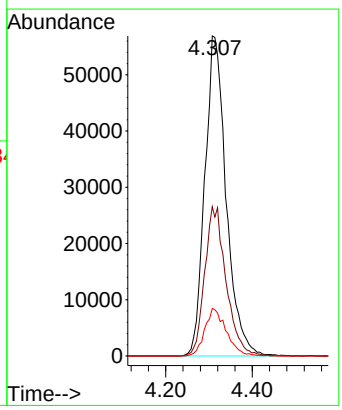


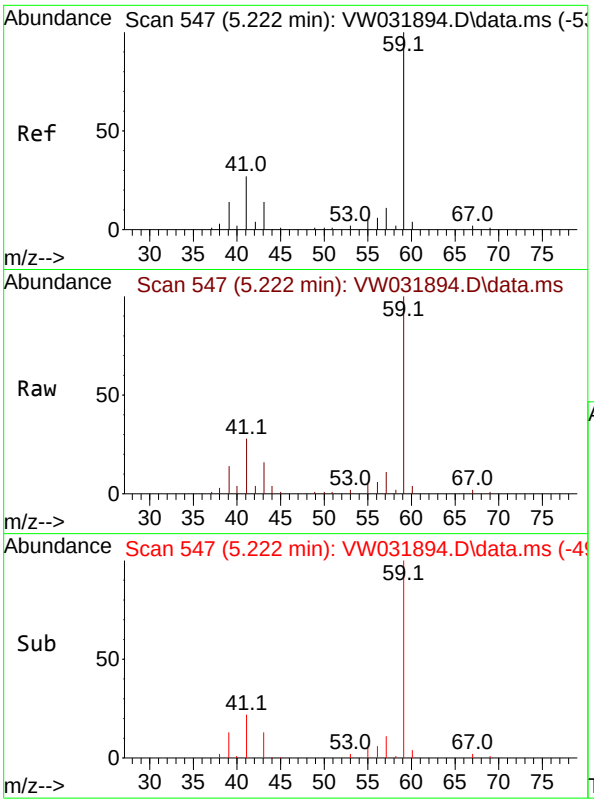


#10
Methyl Iodide
Concen: 47.947 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:142 Resp: 194830

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.4	56.2
141	14.9	11.9	17.9



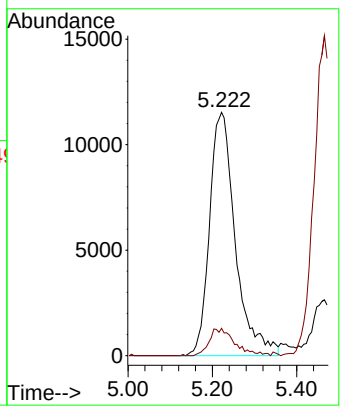


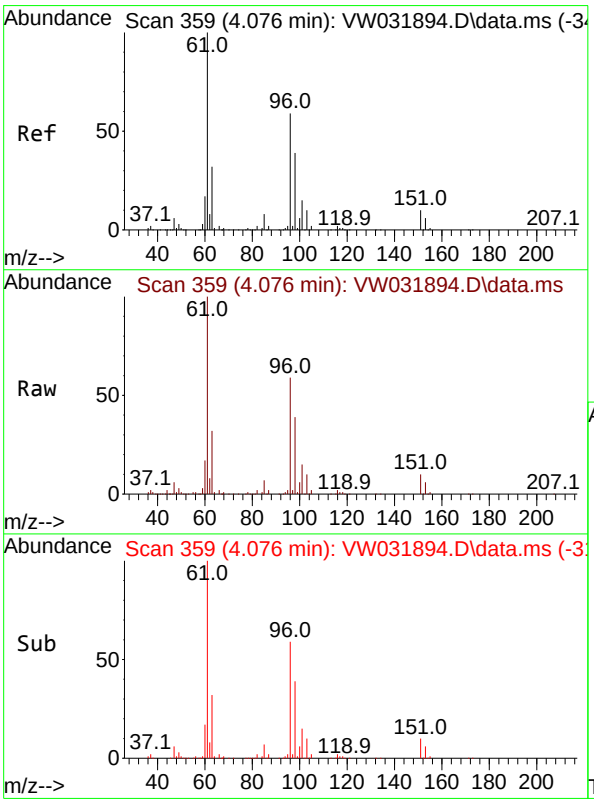
#11
Tert butyl alcohol
Concen: 244.659 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 48976

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

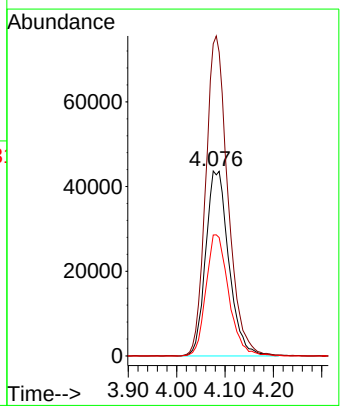


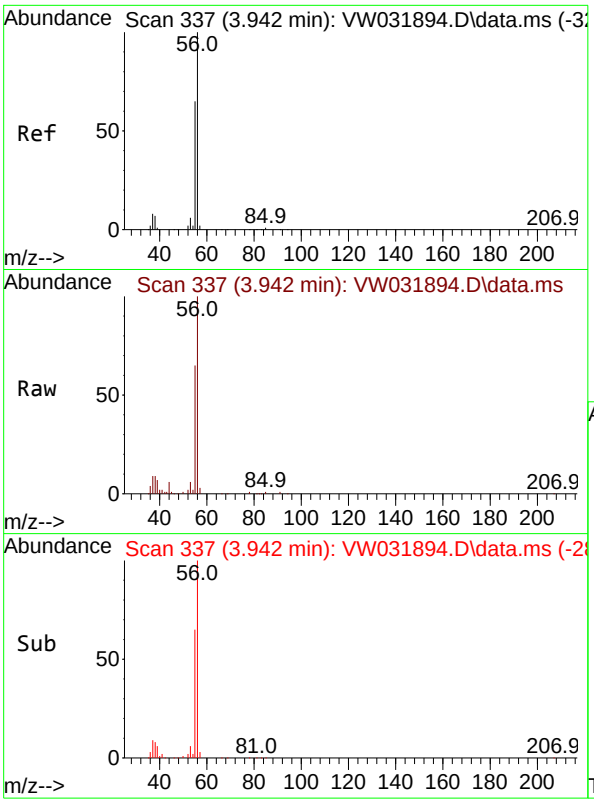


#12
1,1-Dichloroethene
Concen: 48.388 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 96 Resp: 145251

Ion	Ratio	Lower	Upper
96	100		
61	168.8	135.0	202.6
98	65.4	52.3	78.5



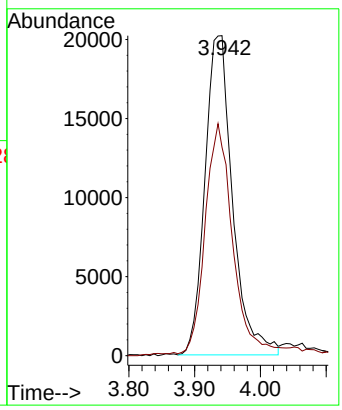


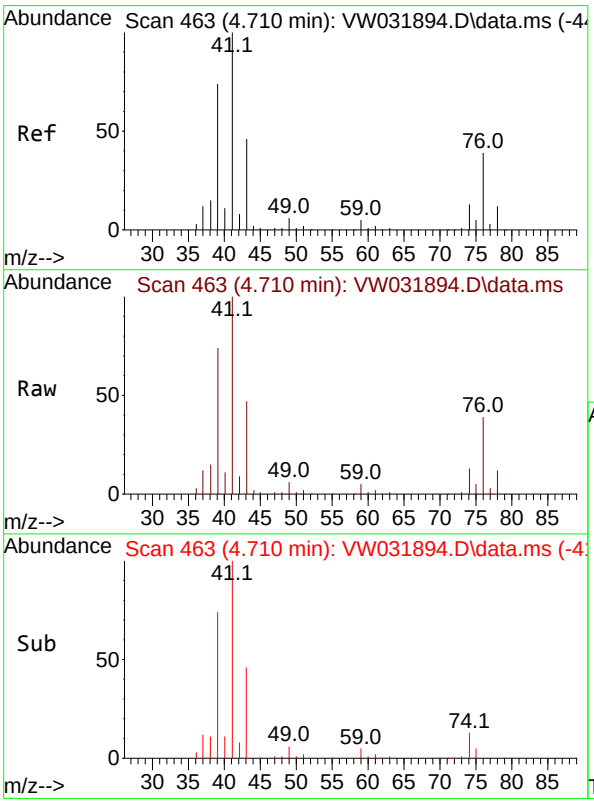
#13
Acrolein
Concen: 217.217 ug/l
RT: 3.942 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 59249

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.7	85.1

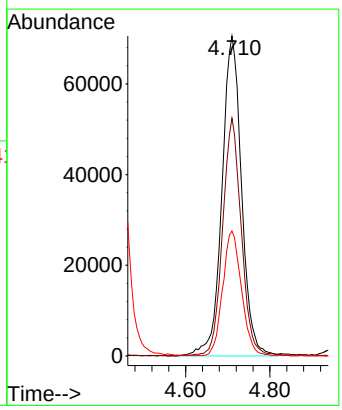


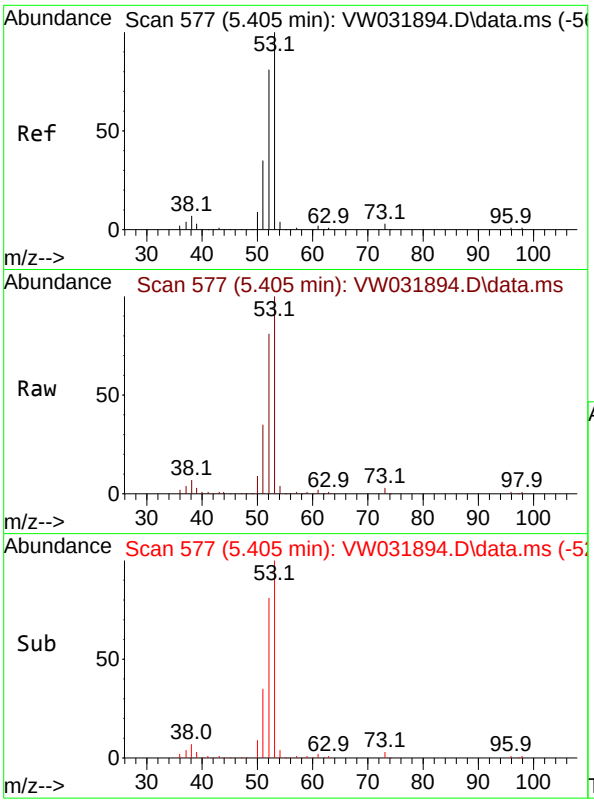


#14
Allyl chloride
Concen: 48.698 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 41 Resp: 227564

Ion	Ratio	Lower	Upper
41	100		
39	70.8	56.6	85.0
76	37.6	30.1	45.1



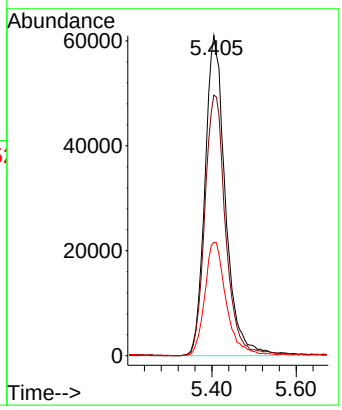


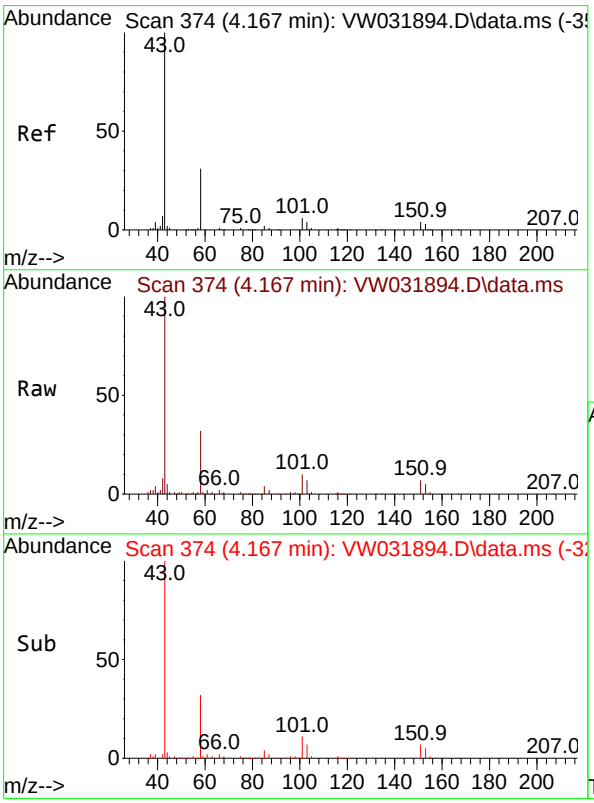
#15
Acrylonitrile
Concen: 242.948 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 205004

Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.0	100.4
51	37.4	29.9	44.9

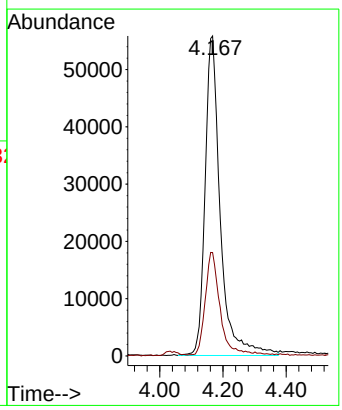


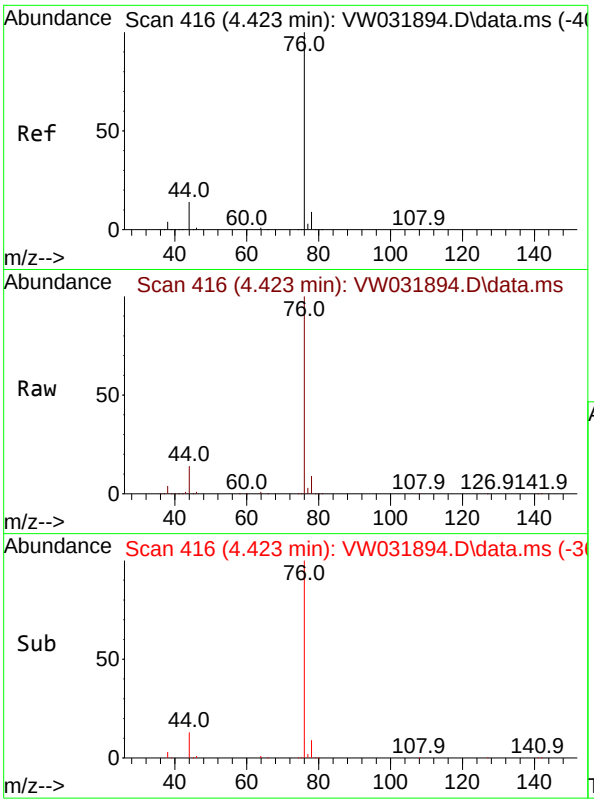


#16
Acetone
Concen: 230.941 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 186627

Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.5	38.3



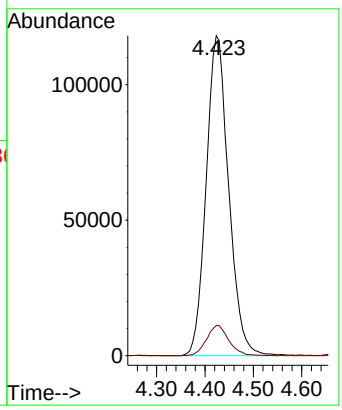


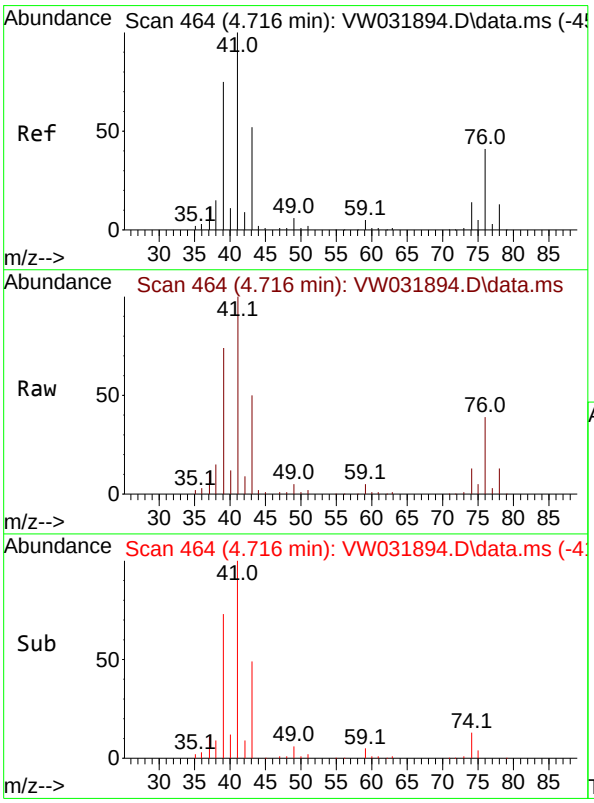
#17
Carbon Disulfide
Concen: 48.954 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 381111

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

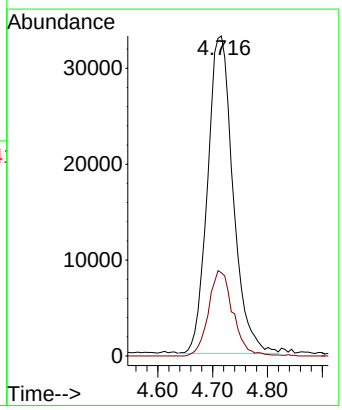


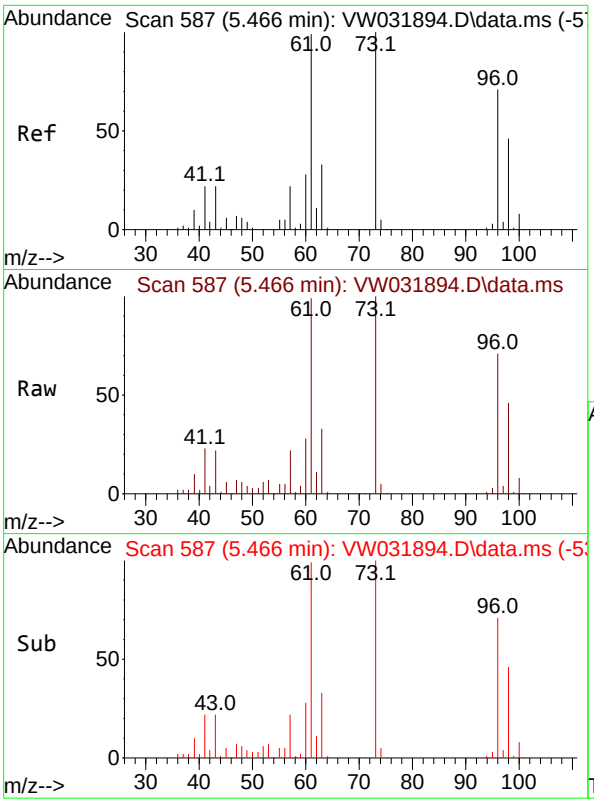


#18
Methyl Acetate
Concen: 48.056 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 106992

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.6	31.0



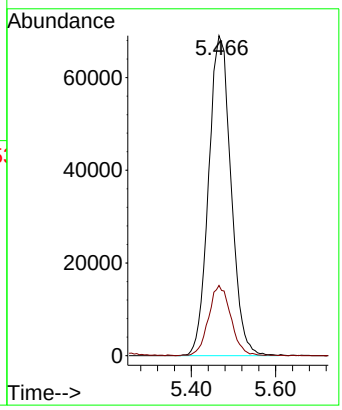


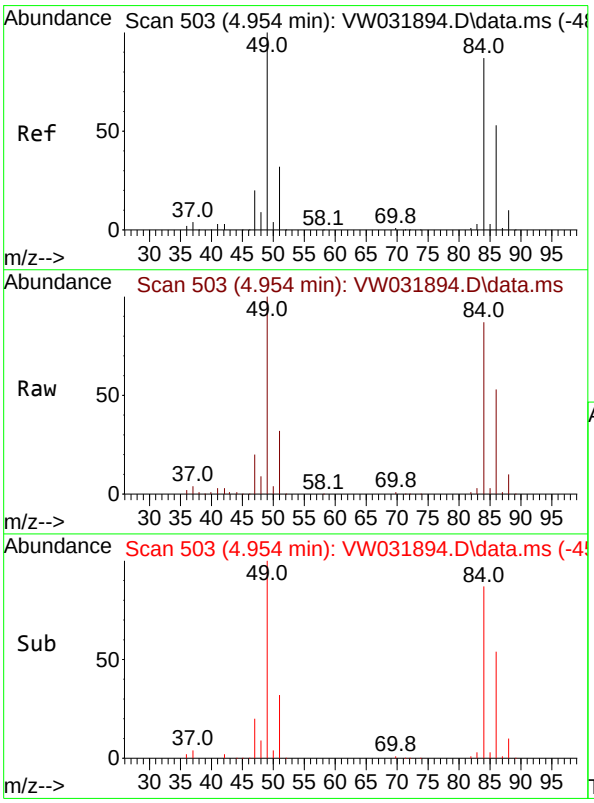
#19
Methyl tert-butyl Ether
Concen: 49.114 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 254734

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3

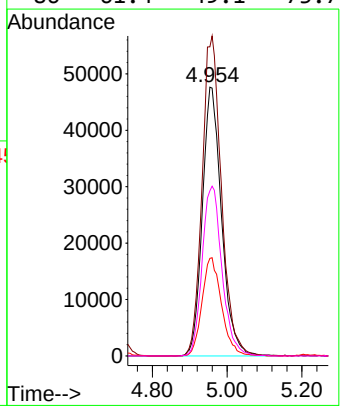


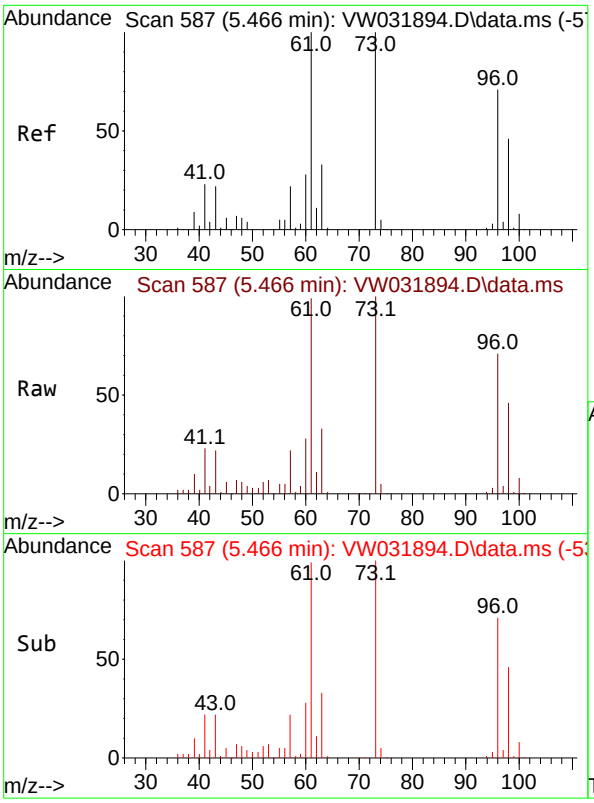


#20
Methylene Chloride
Concen: 49.149 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 84 Resp: 170144

Ion	Ratio	Lower	Upper
84	100		
49	114.9	91.9	137.9
51	36.3	29.0	43.6
86	61.4	49.1	73.7



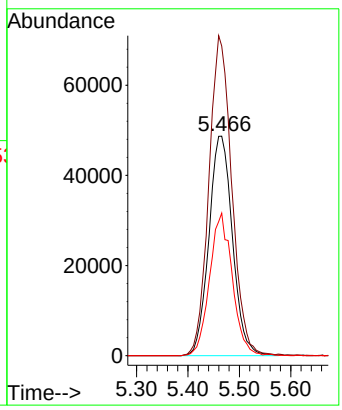


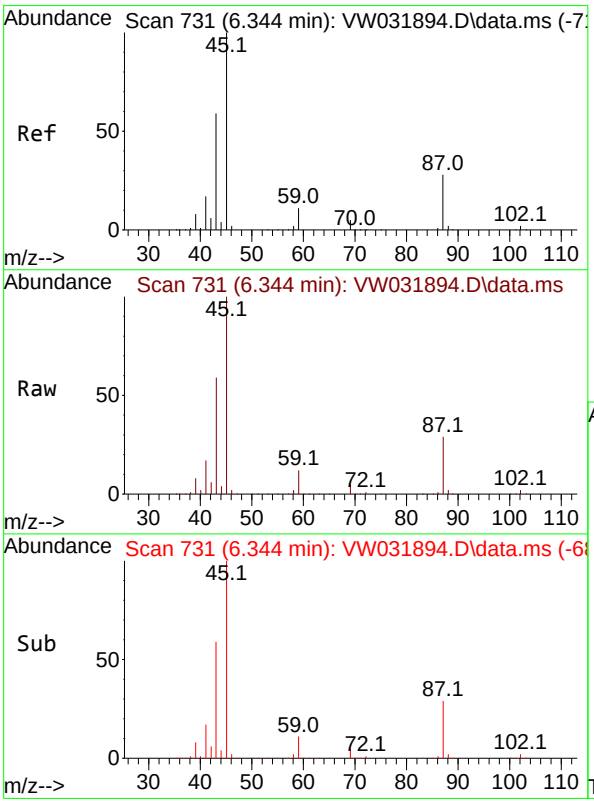
#21
trans-1,2-Dichloroethene
Concen: 48.820 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 155488

Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.8	169.2
98	64.9	51.9	77.9

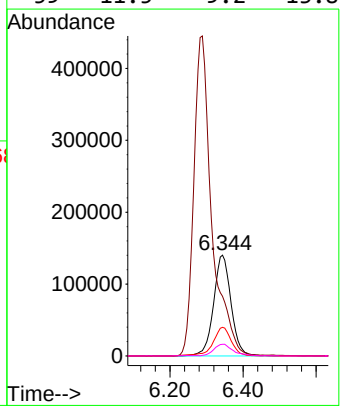


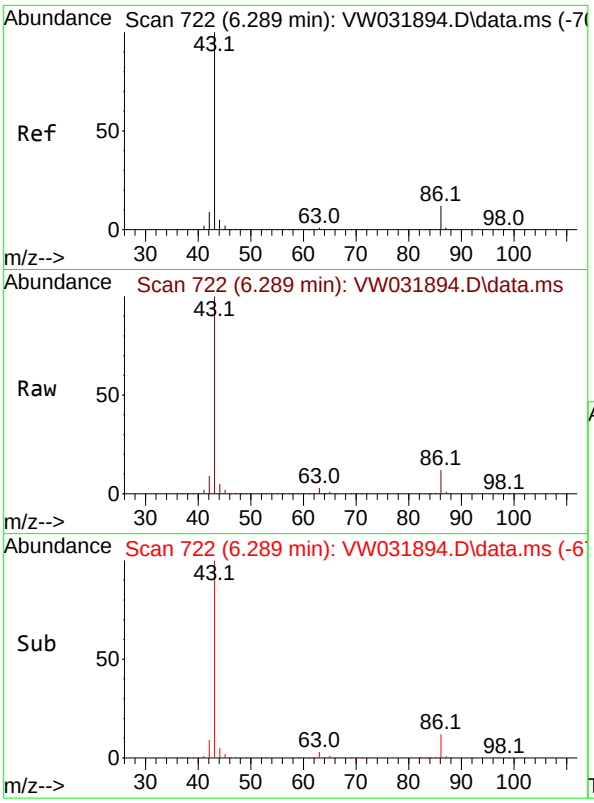


#22
Diisopropyl ether
Concen: 49.771 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 45 Resp: 465380

Ion	Ratio	Lower	Upper
45	100		
43	58.8	47.0	70.6
87	28.5	22.8	34.2
59	11.5	9.2	13.8



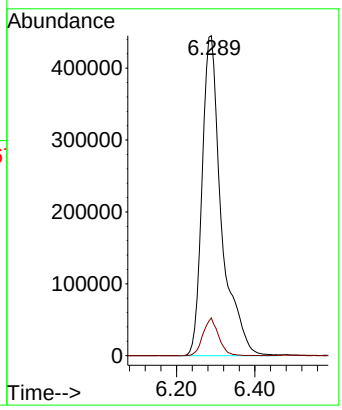


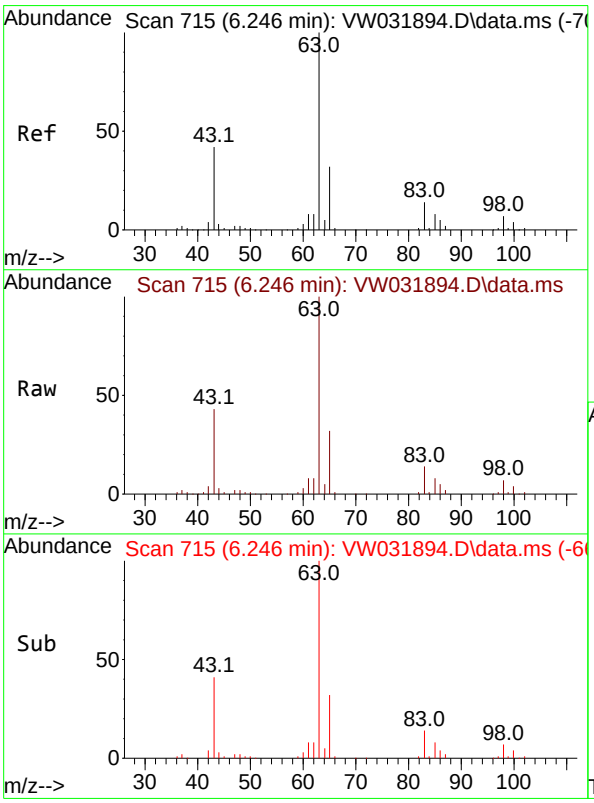
#23
Vinyl Acetate
Concen: 249.686 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1525293

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

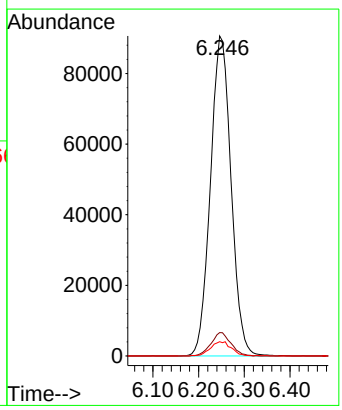


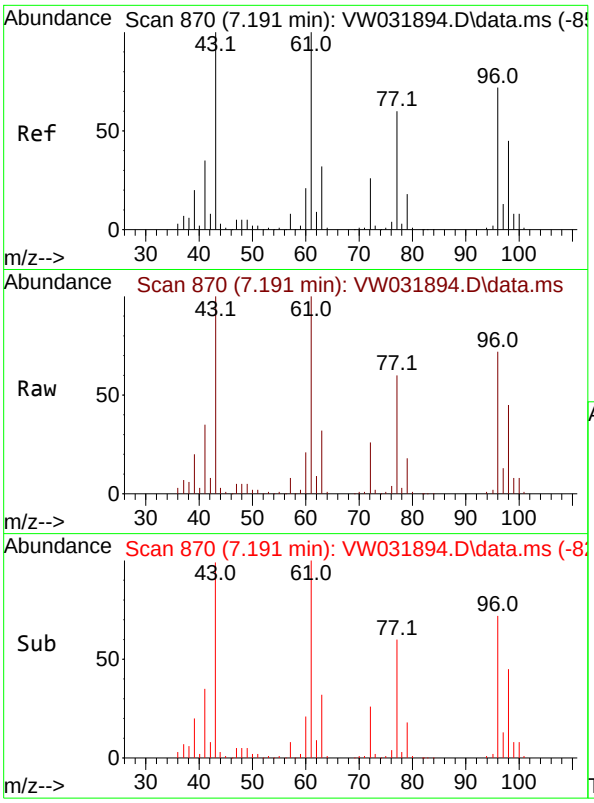


#24
1,1-Dichloroethane
Concen: 48.847 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 63 Resp: 284373

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	4.4	2.2	6.6



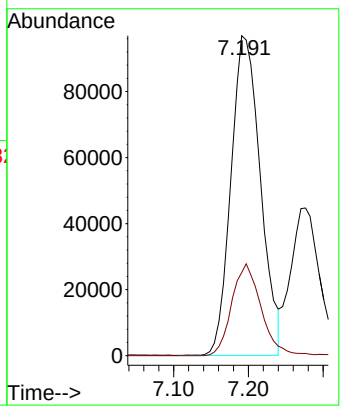


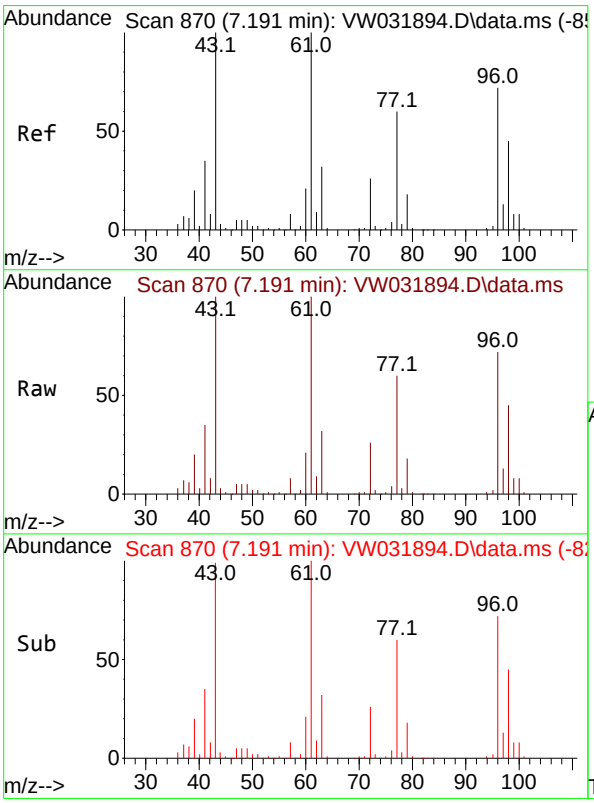
#25
2-Butanone
Concen: 240.629 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 266059

Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.8	31.2

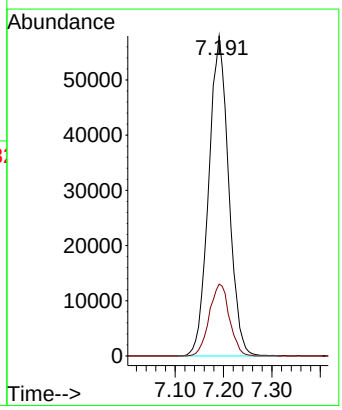


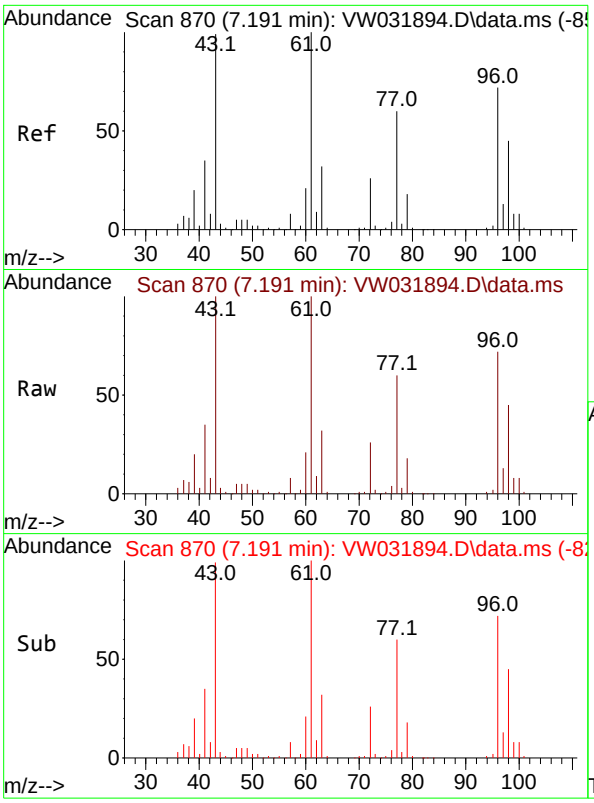


#26
2,2-Dichloropropane
Concen: 50.437 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 77 Resp: 166236

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.4	34.1



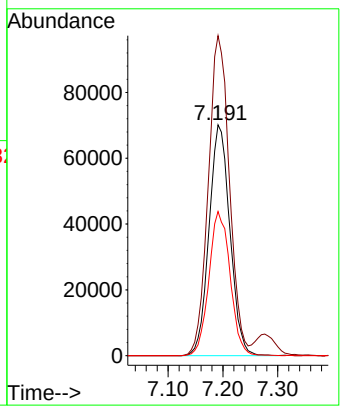


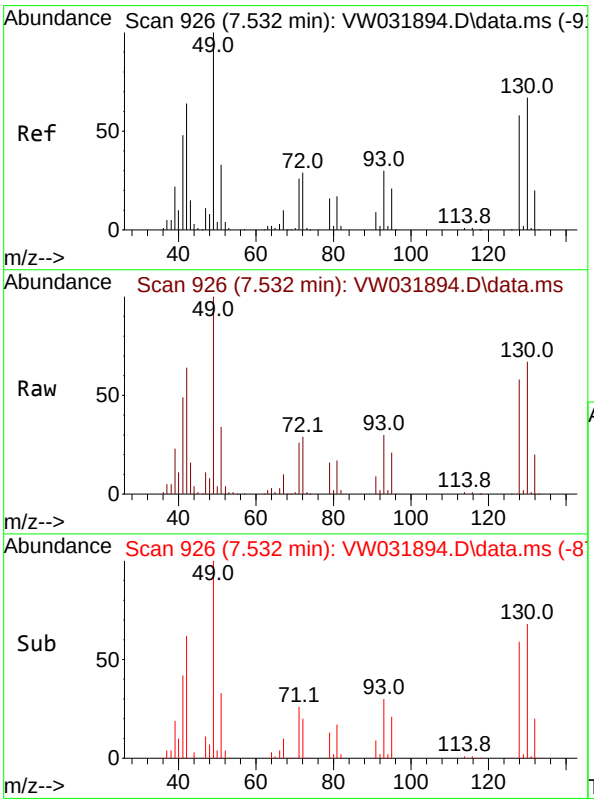
#27
cis-1,2-Dichloroethene
Concen: 49.549 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 185527

Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	280.2
98	63.4	0.0	126.8

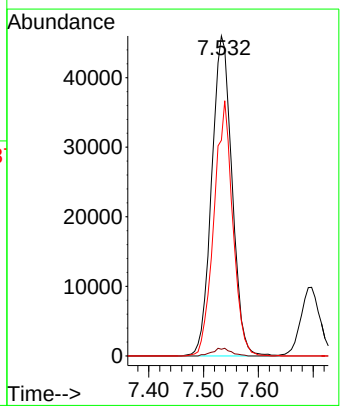


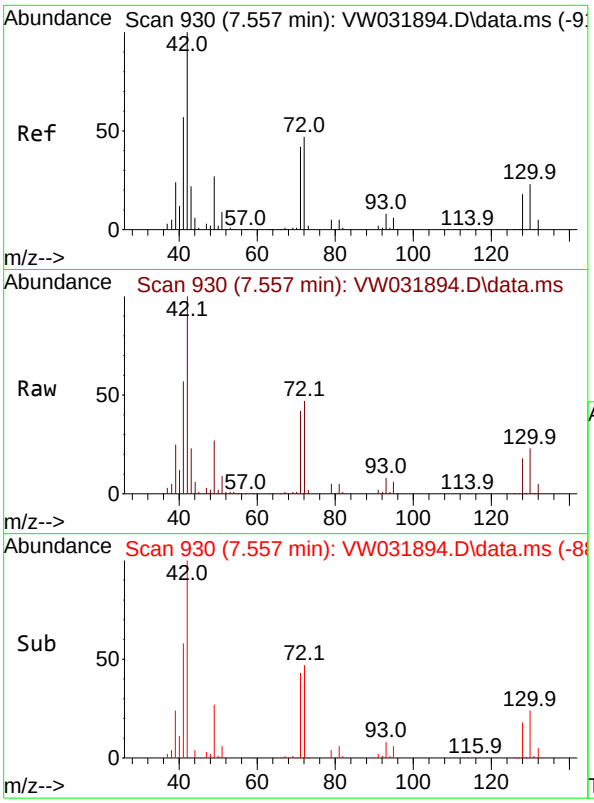


#28
Bromochloromethane
Concen: 48.577 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 49 Resp: 118407

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	73.7	59.0	88.4



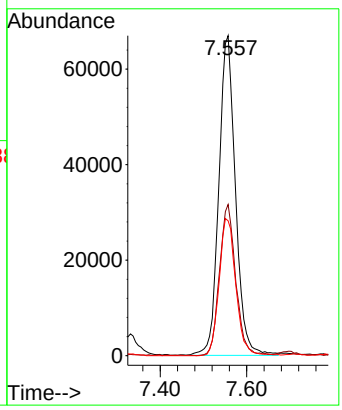


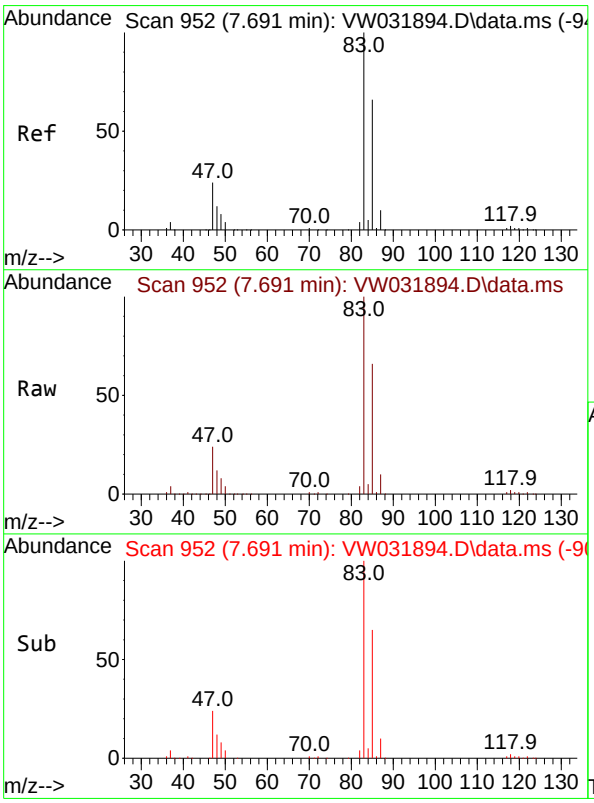
#29
Tetrahydrofuran
Concen: 247.172 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 179179

Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	43.1	34.5	51.7

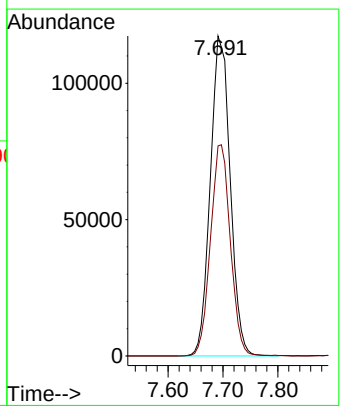


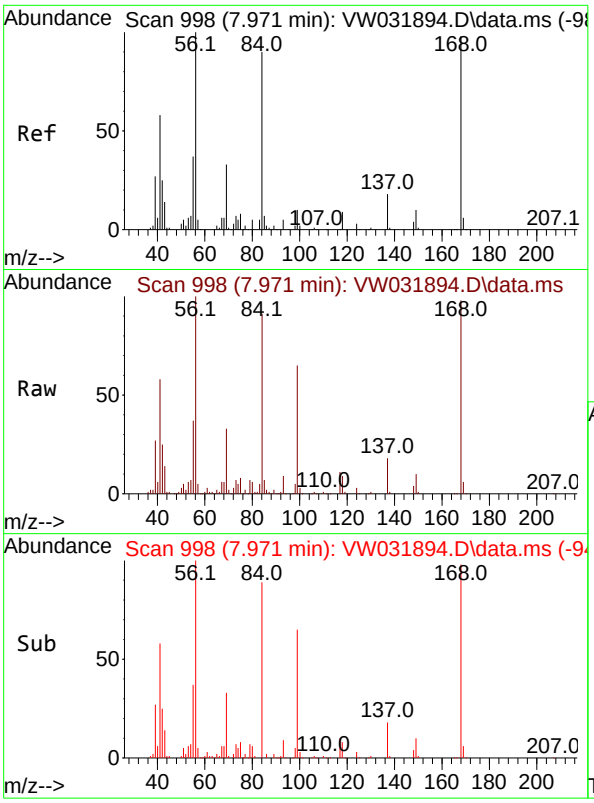


#30
Chloroform
Concen: 48.459 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 83 Resp: 295801

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8



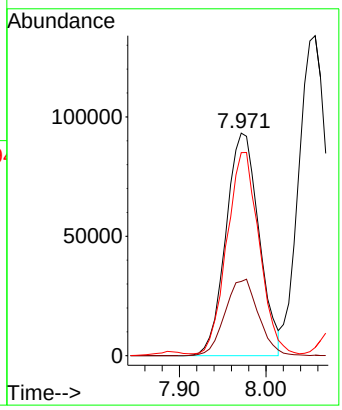


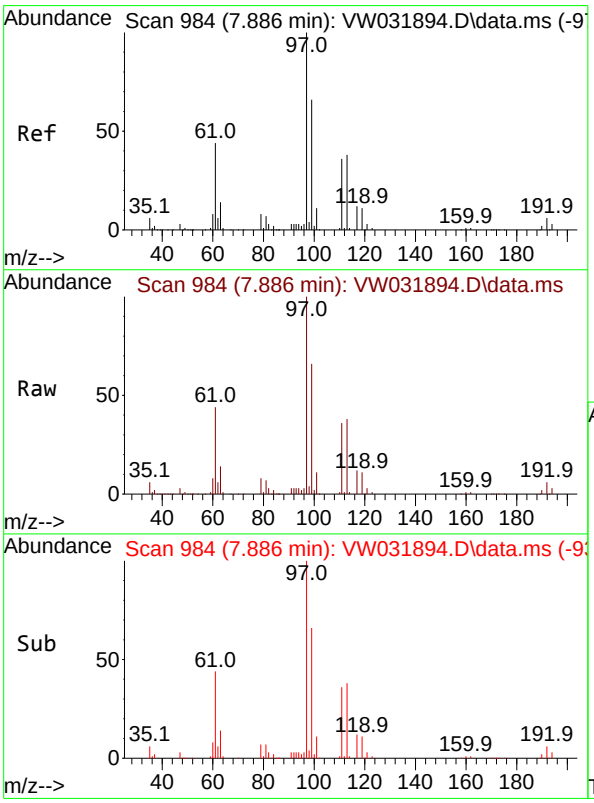
#31
Cyclohexane
Concen: 47.389 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 247509

Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.7	40.1
84	89.7	71.8	107.6

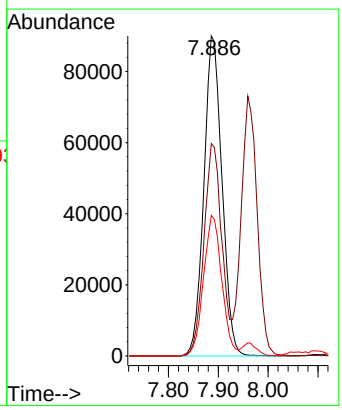


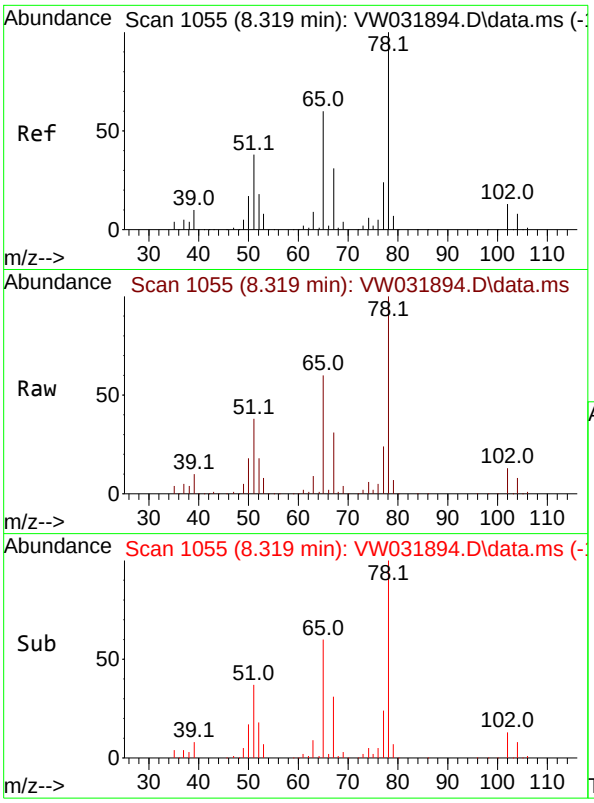


#32
1,1,1-Trichloroethane
Concen: 48.961 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 97 Resp: 227418

Ion	Ratio	Lower	Upper
97	100		
99	66.2	53.0	79.4
61	44.2	35.4	53.0



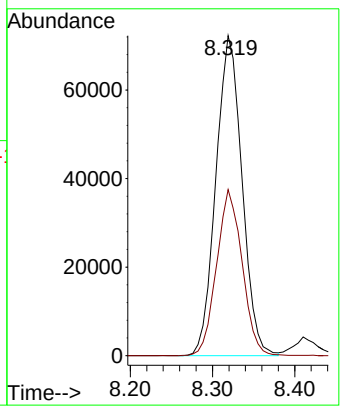


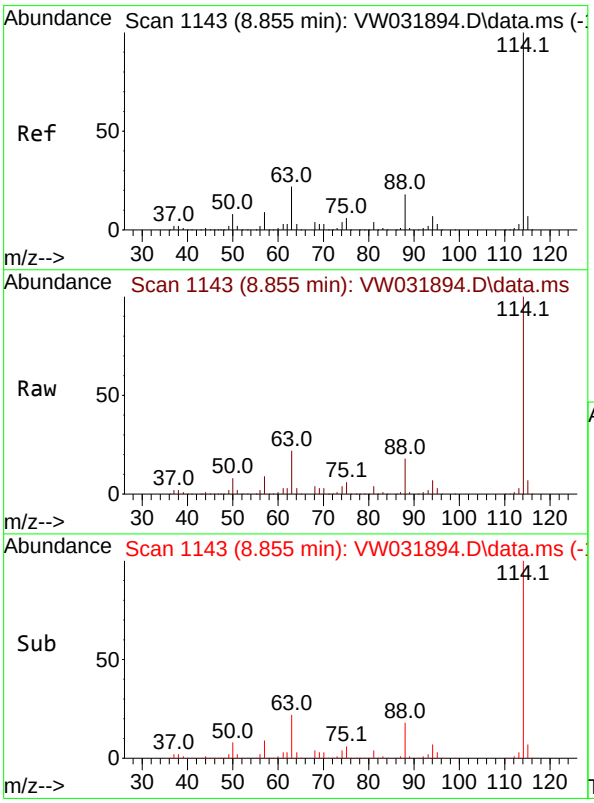
#33
1,2-Dichloroethane-d4
Concen: 46.880 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 159650

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.4

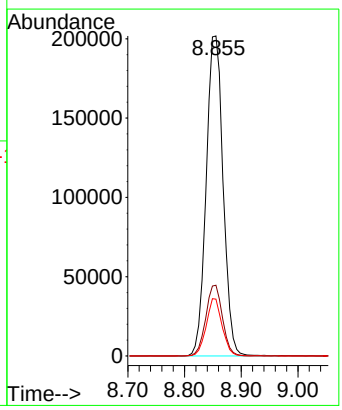


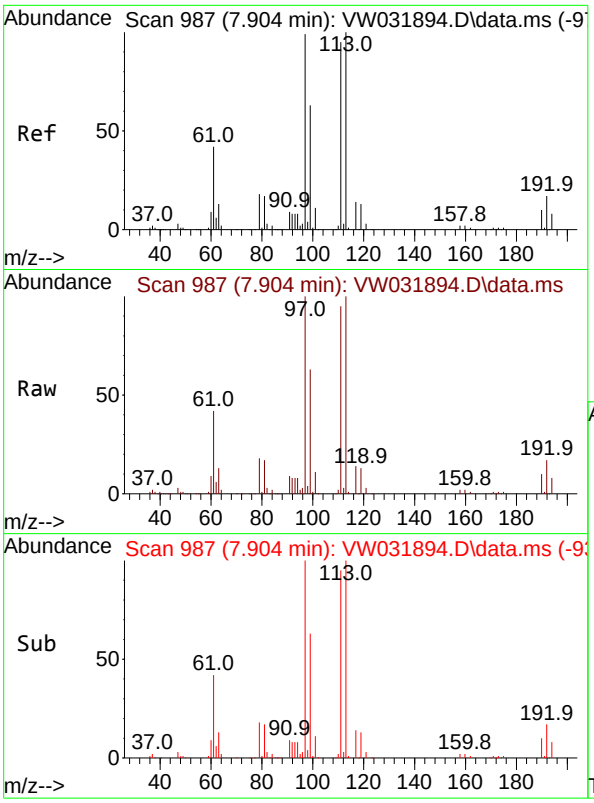


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:114 Resp: 418592

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.2
88	17.8	0.0	35.6



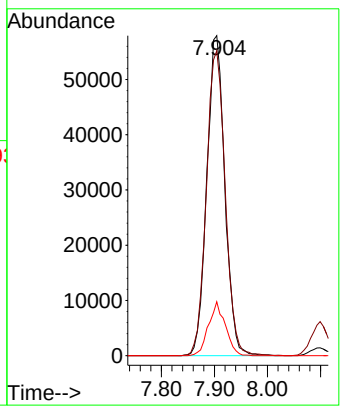


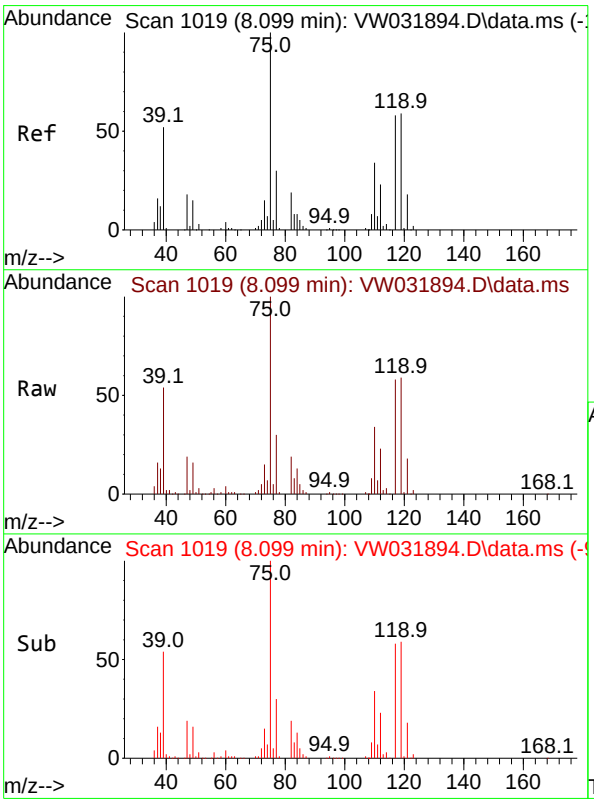
#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 136603

Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.9	119.9
192	15.8	12.6	19.0

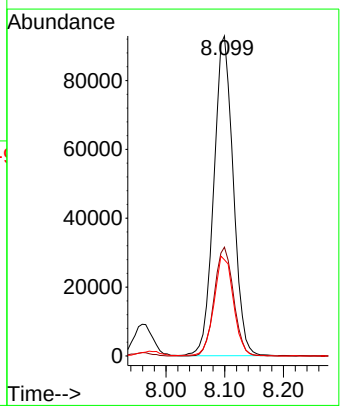


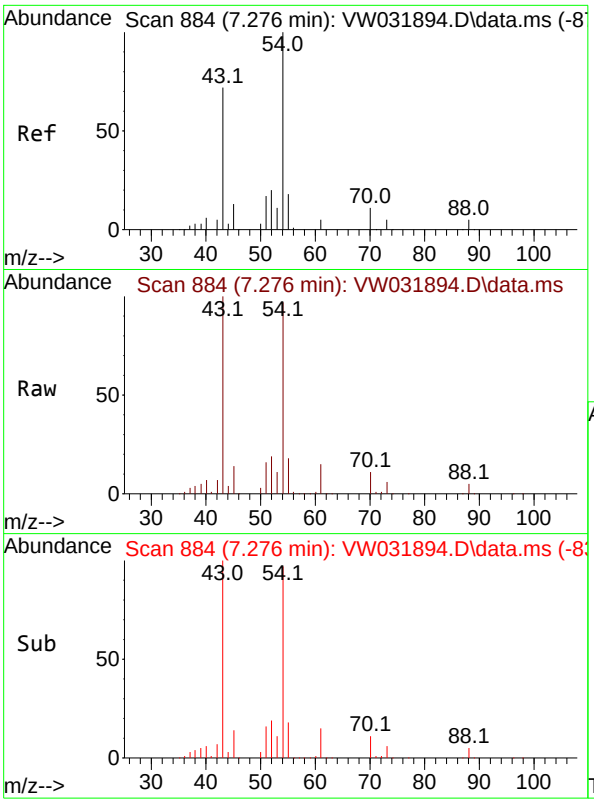


#36
1,1-Dichloropropene
Concen: 48.794 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 213142

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.0	50.9
77	31.4	25.1	37.7



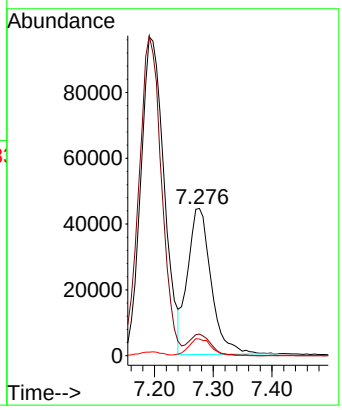


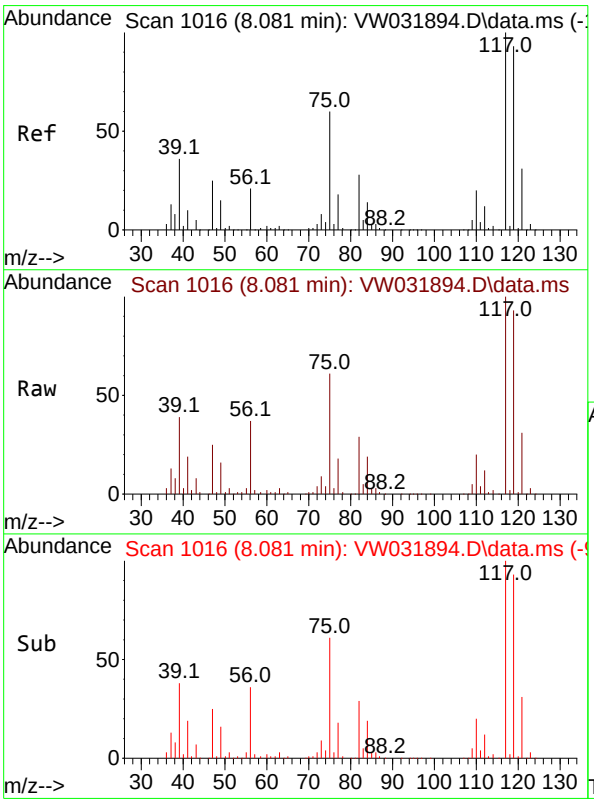
#37
Ethyl Acetate
Concen: 49.627 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 123663

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.2	9.0	13.4

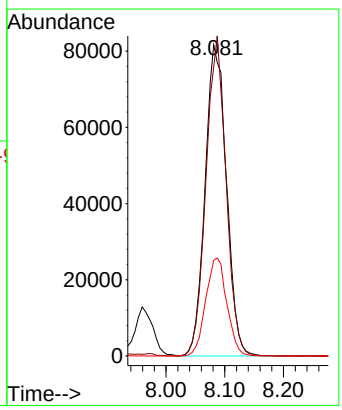


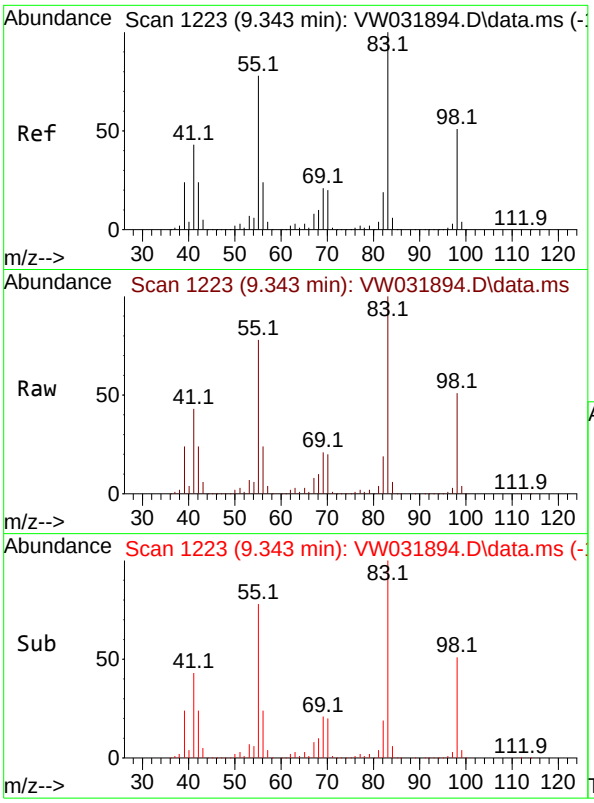


#38
Carbon Tetrachloride
Concen: 49.190 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:117 Resp: 206216

Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.3	111.5
121	30.8	24.6	37.0



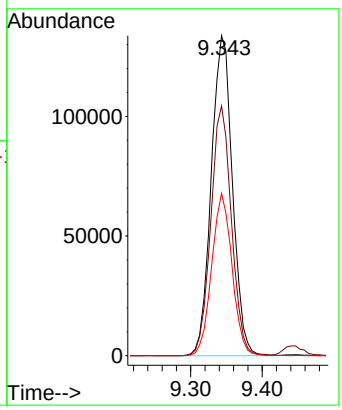


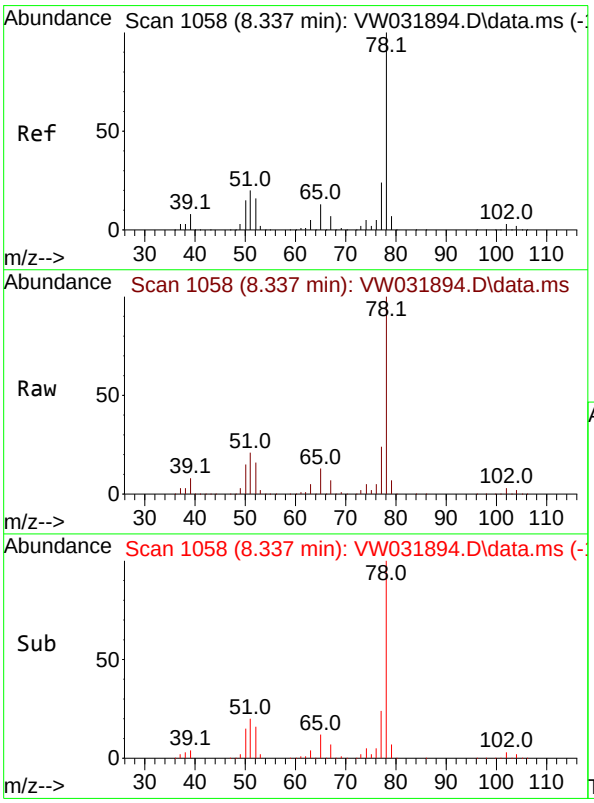
#39
Methylcyclohexane
Concen: 50.000 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 274858

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.5	93.7
98	50.8	40.6	61.0

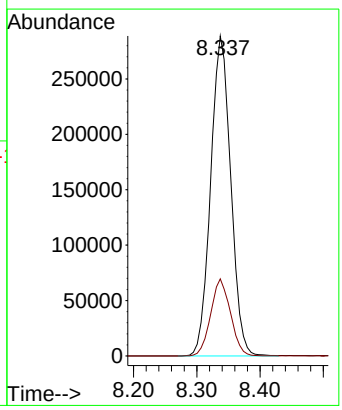


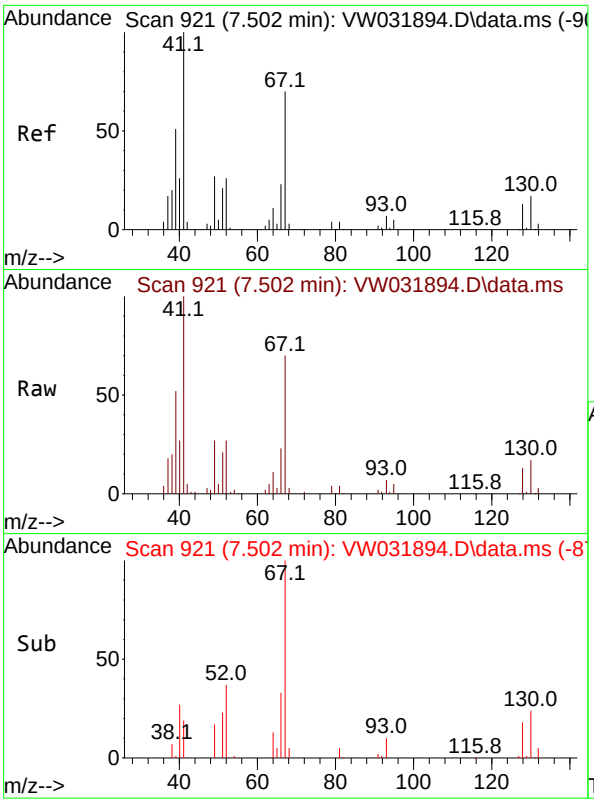


#40
Benzene
Concen: 49.197 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 78 Resp: 636145

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



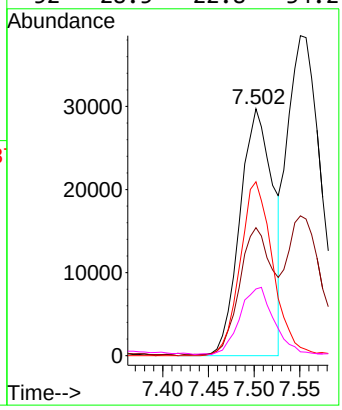


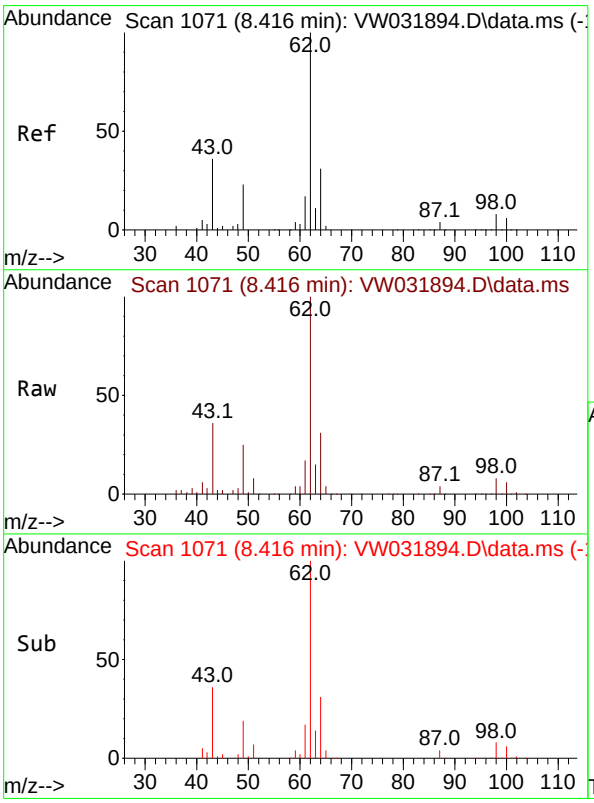
#41
Methacrylonitrile
Concen: 51.112 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 75019

Ion	Ratio	Lower	Upper
41	100		
39	51.4	41.1	61.7
67	70.3	56.2	84.4
52	28.5	22.8	34.2

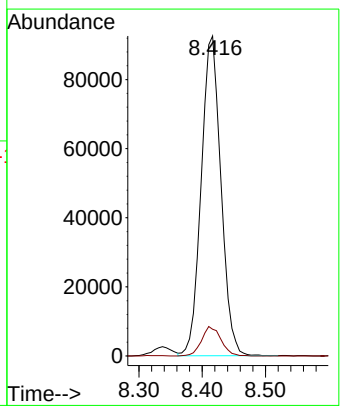


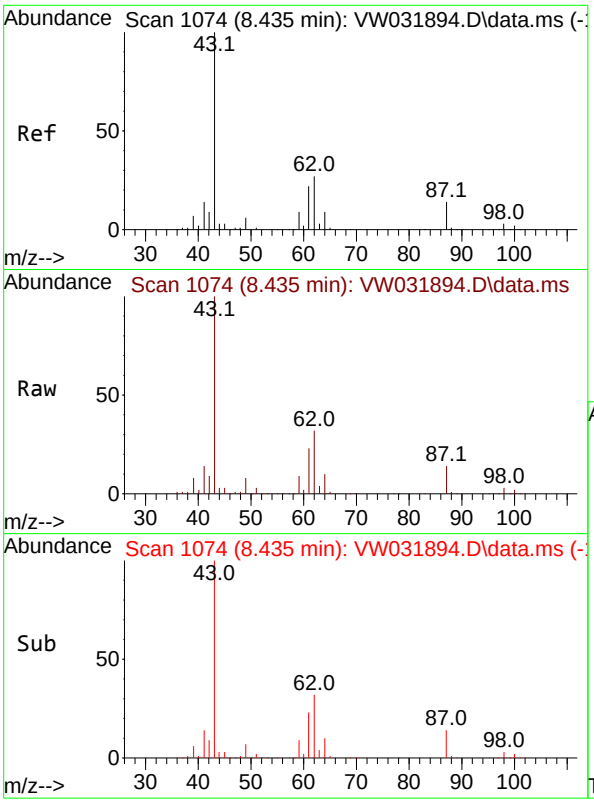


#42
1,2-Dichloroethane
Concen: 48.561 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 62 Resp: 200964

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



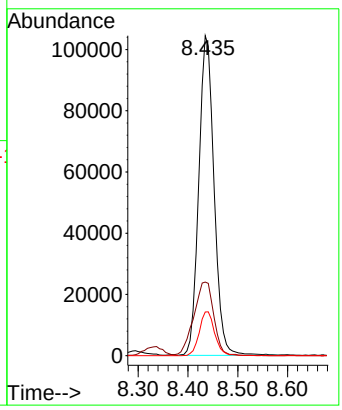


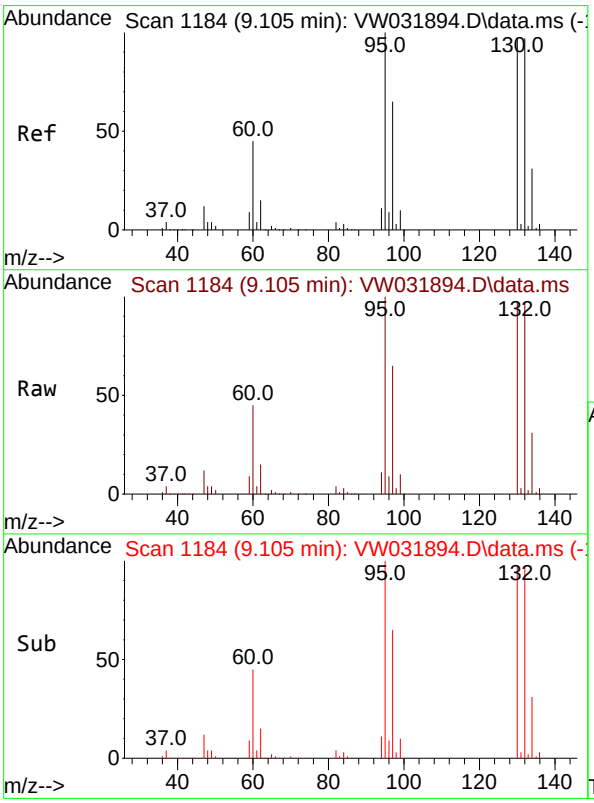
#43
Isopropyl Acetate
Concen: 49.250 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 222170

Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	13.9	11.1	16.7

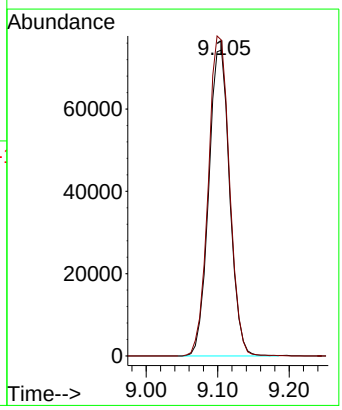


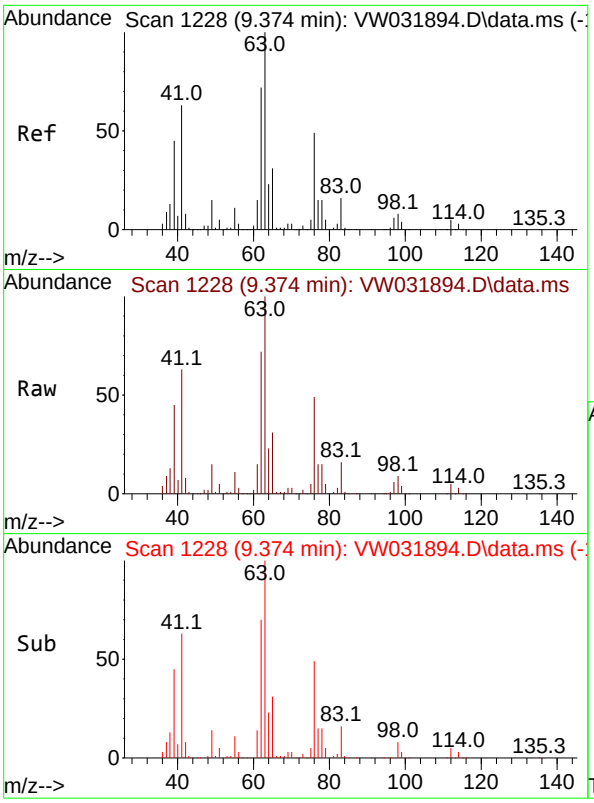


#44
Trichloroethene
Concen: 49.368 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:130 Resp: 151736

Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	206.4



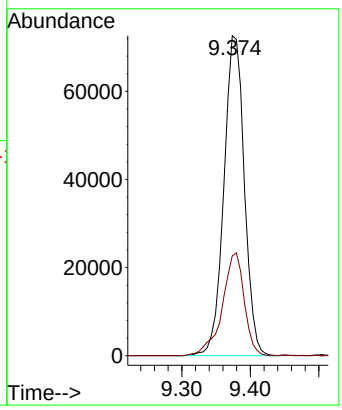


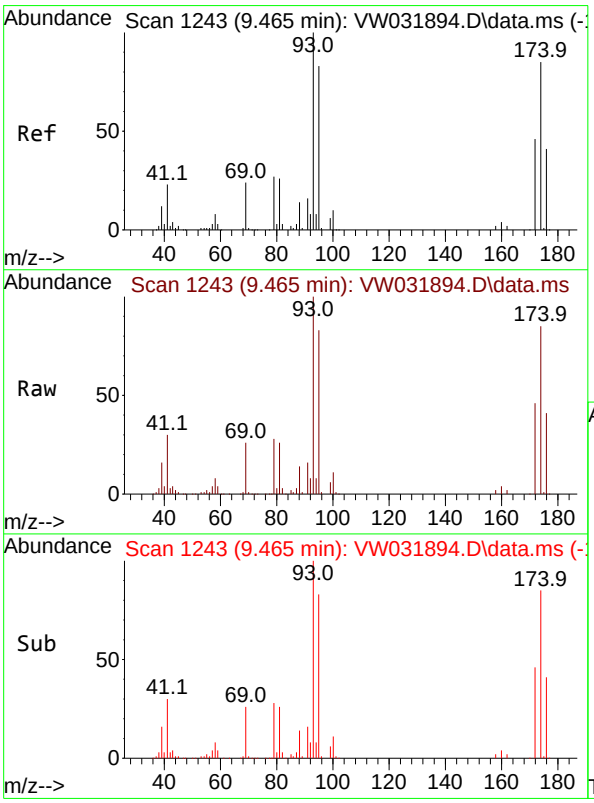
#45
1,2-Dichloropropane
Concen: 48.420 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 150788

Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4

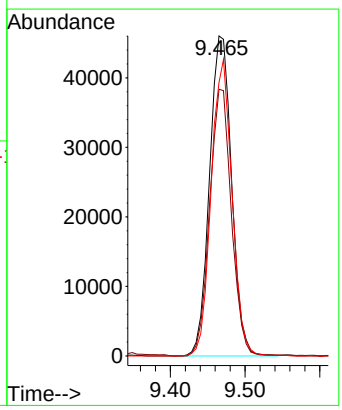


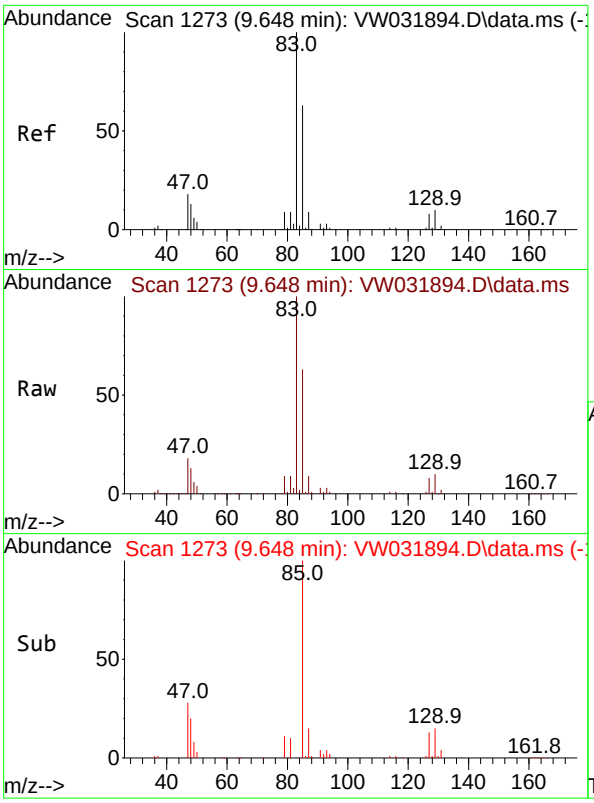


#46
Dibromomethane
Concen: 48.942 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 93 Resp: 94479

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.6
174	87.7	70.2	105.2



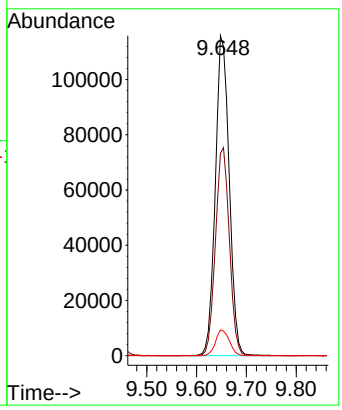


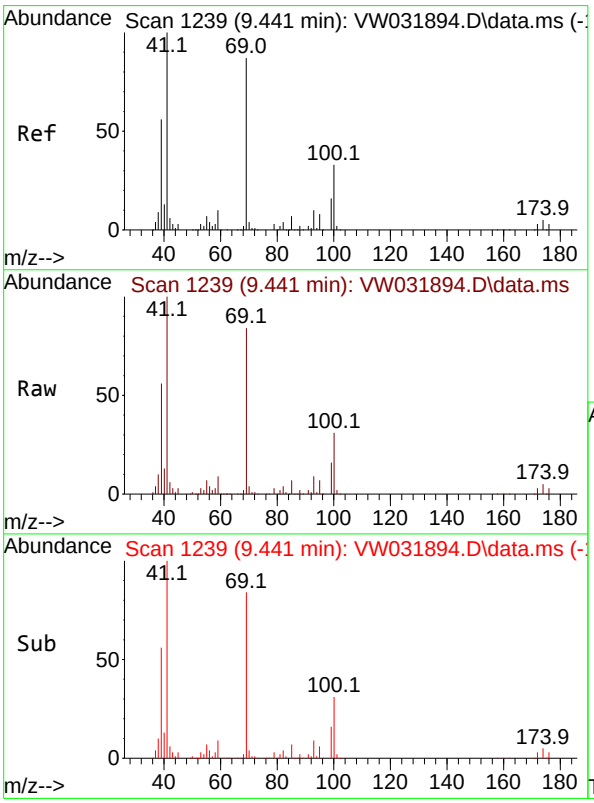
#47
Bromodichloromethane
Concen: 48.359 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 223852

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	8.1	6.5	9.7

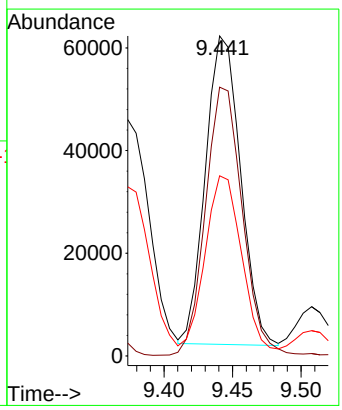


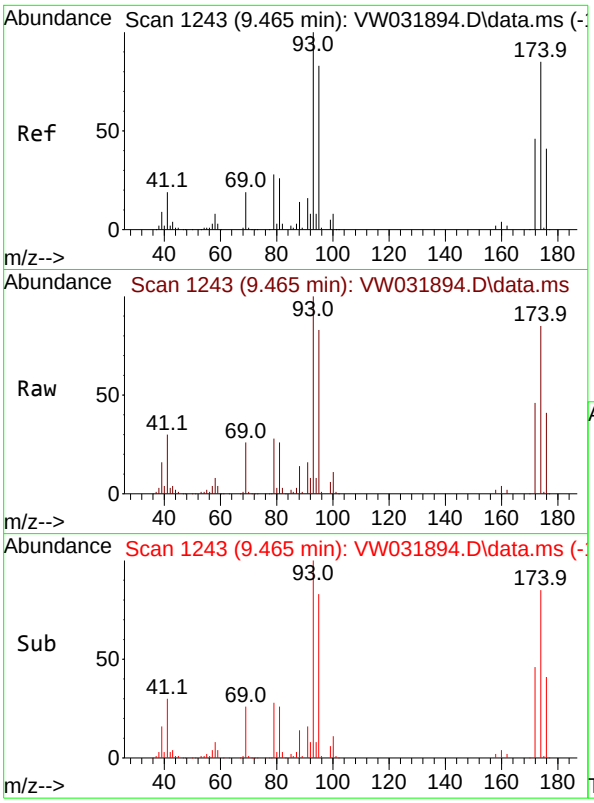


#48
Methyl methacrylate
Concen: 49.887 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 41 Resp: 107066

Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.6	110.4
39	56.9	45.5	68.3



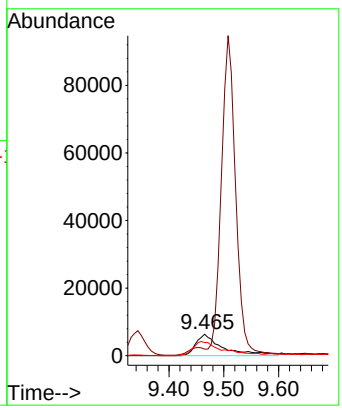


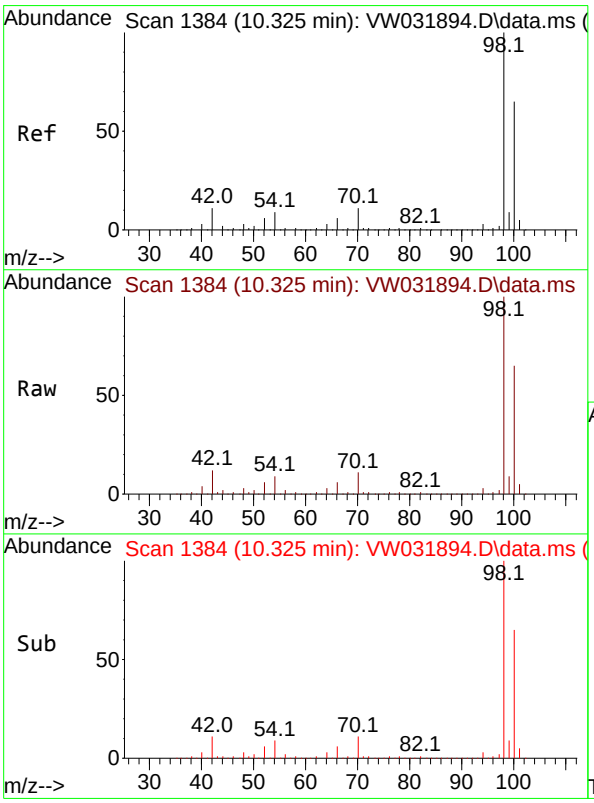
#49
1,4-Dioxane
Concen: 1134.591 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 21855

Ion	Ratio	Lower	Upper
88	100		
43	23.7	19.0	28.4
58	72.7	58.2	87.2

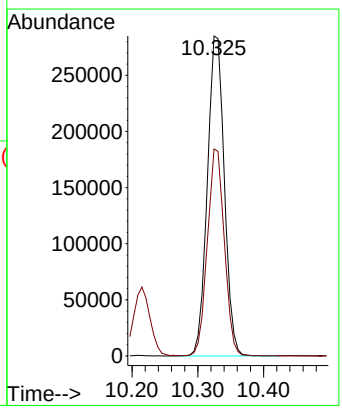


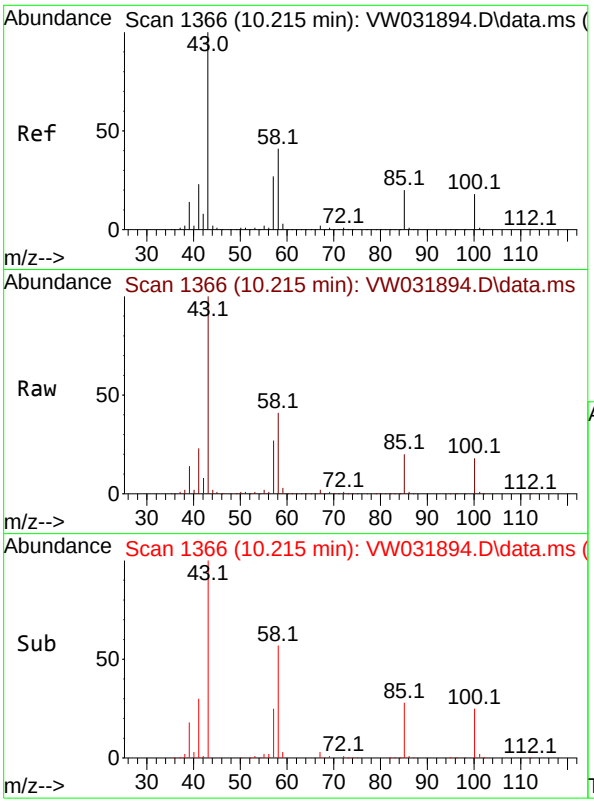


#50
Toluene-d8
Concen: 47.590 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 98 Resp: 512311

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5



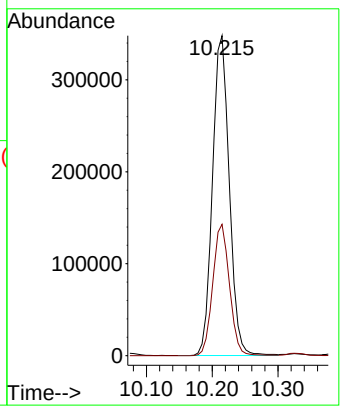


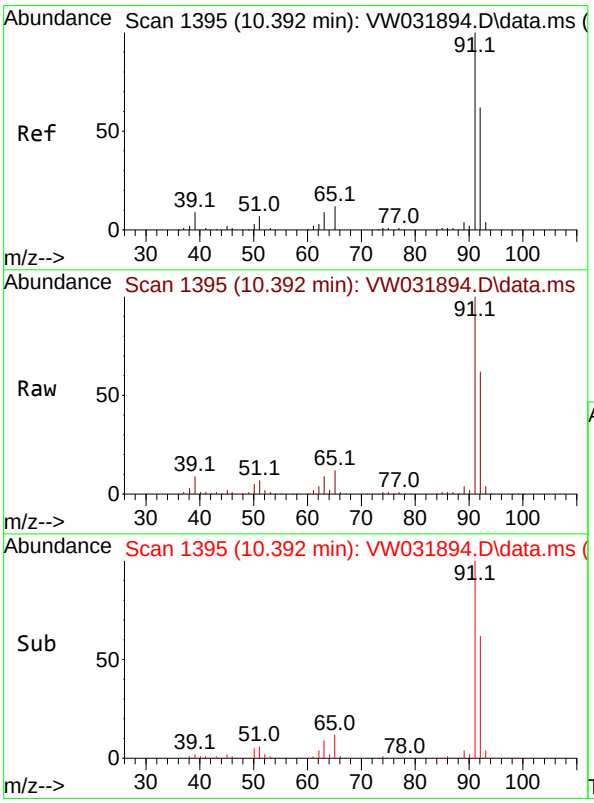
#51
4-Methyl-2-Pentanone
Concen: 250.133 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 617526

Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.8	49.2

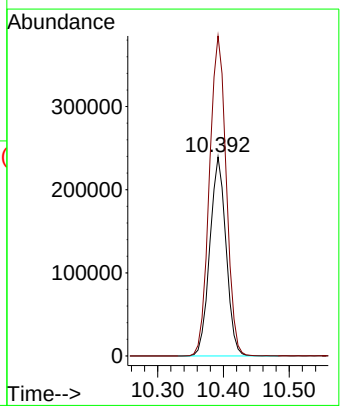


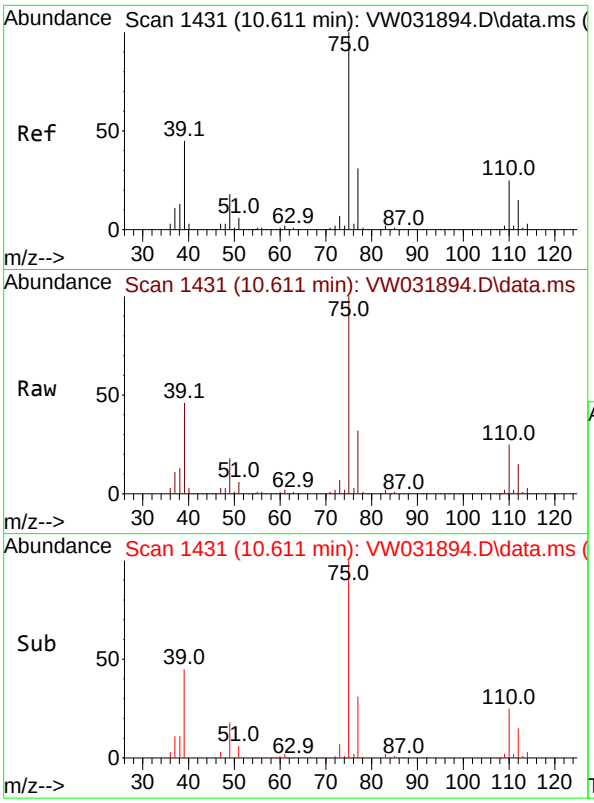


#52
Toluene
Concen: 49.301 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 92 Resp: 409807

Ion	Ratio	Lower	Upper
92	100		
91	167.1	133.7	200.5



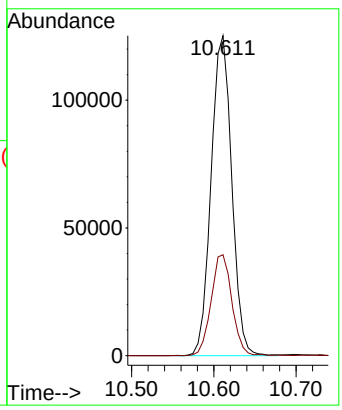


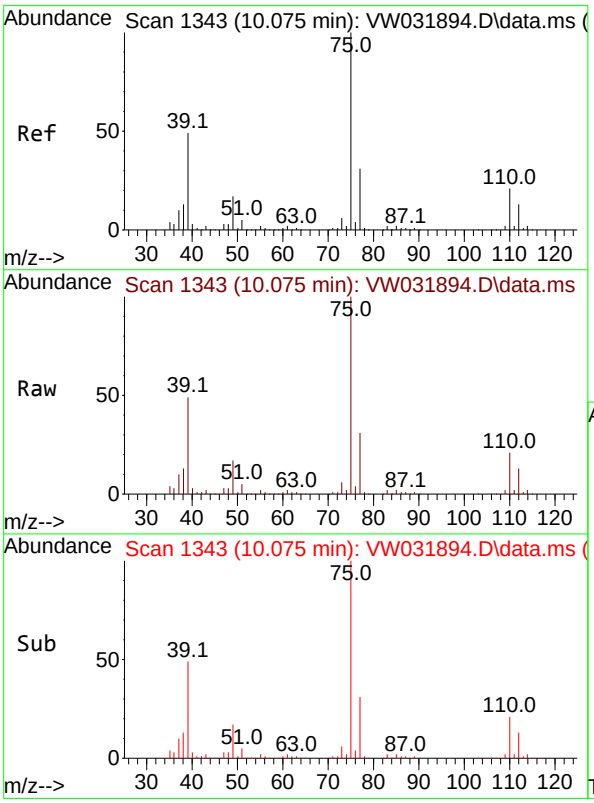
#53
t-1,3-Dichloropropene
Concen: 49.187 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 218411

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8

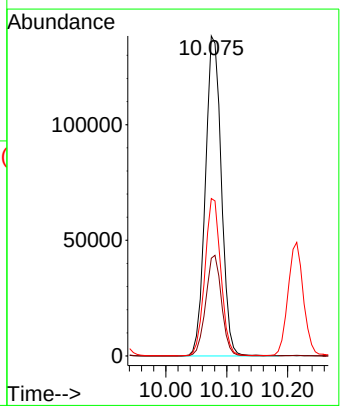


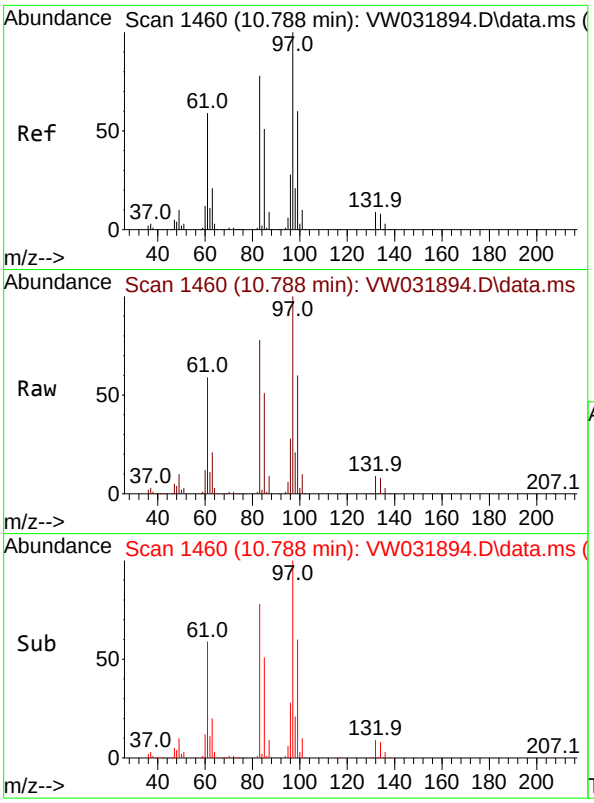


#54
cis-1,3-Dichloropropene
Concen: 49.658 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 251812

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	49.1	39.3	58.9



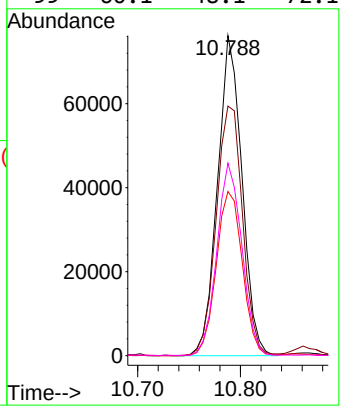


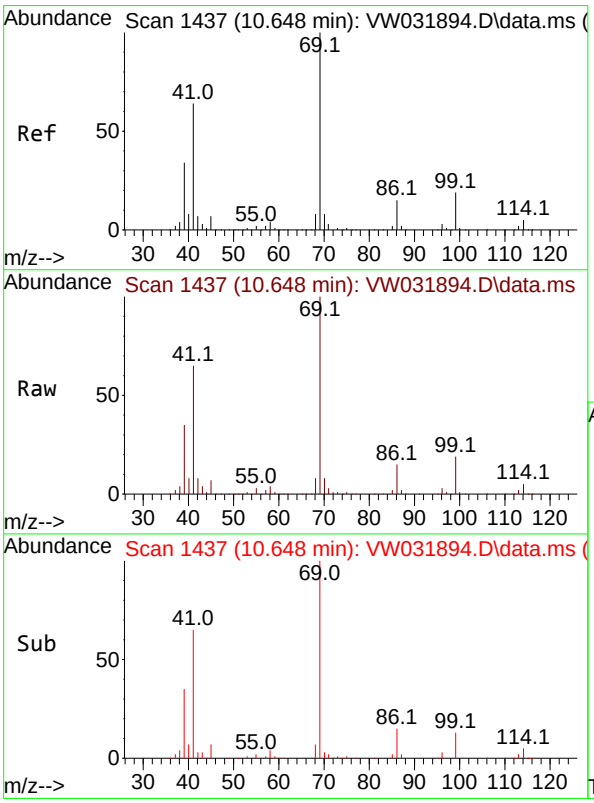
#55
1,1,2-Trichloroethane
Concen: 48.955 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 125532

Ion	Ratio	Lower	Upper
97	100		
83	78.0	62.4	93.6
85	51.3	41.0	61.6
99	60.1	48.1	72.1

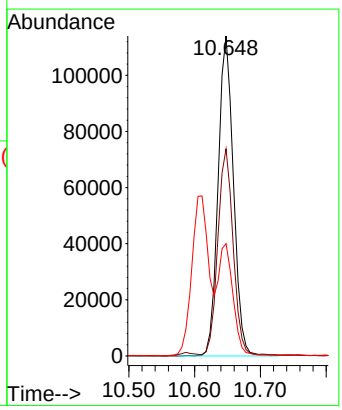


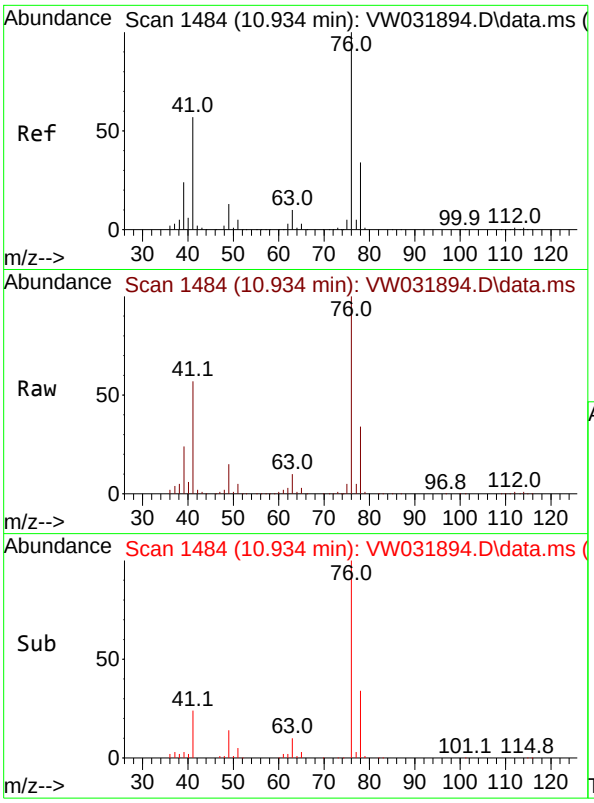


#56
Ethyl methacrylate
Concen: 51.081 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 69 Resp: 184989

Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.0	78.0
39	33.3	26.6	40.0



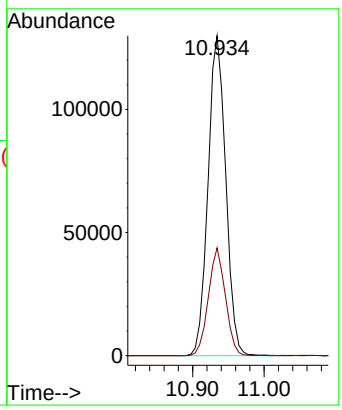


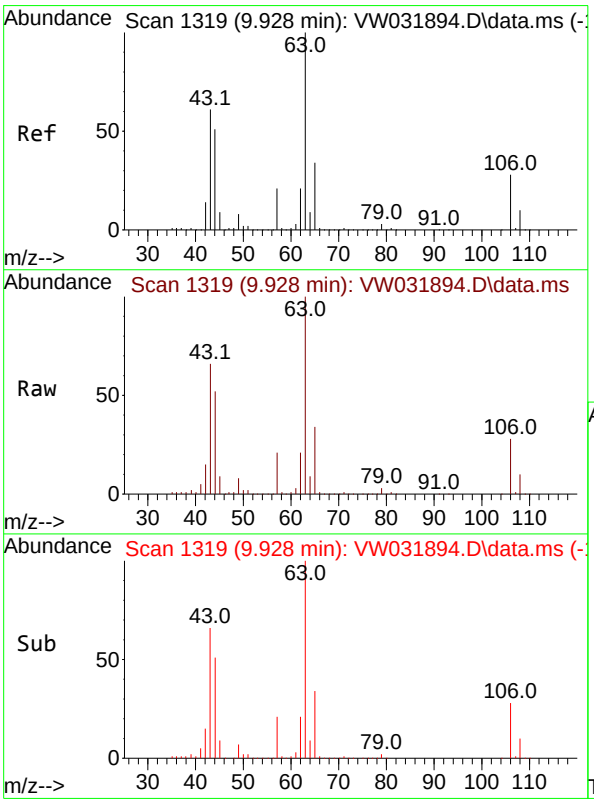
#57
1,3-Dichloropropane
Concen: 49.412 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 223219

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

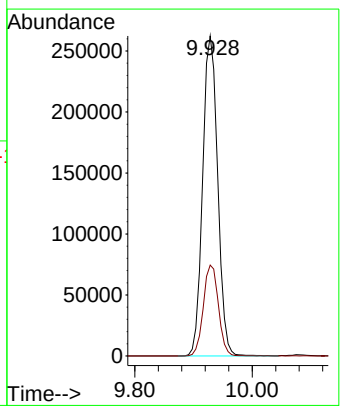


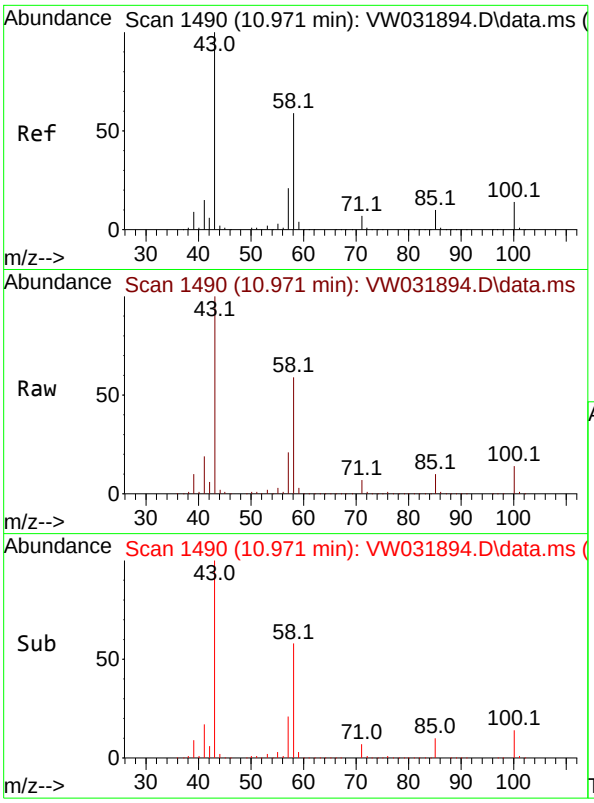


#58
2-Chloroethyl Vinyl ether
Concen: 251.042 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 63 Resp: 466986

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1



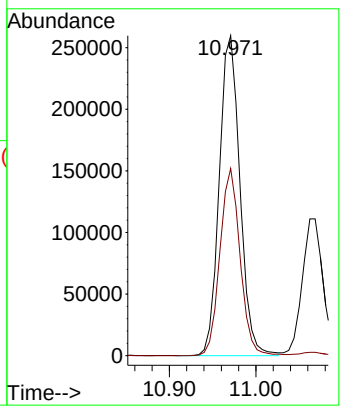


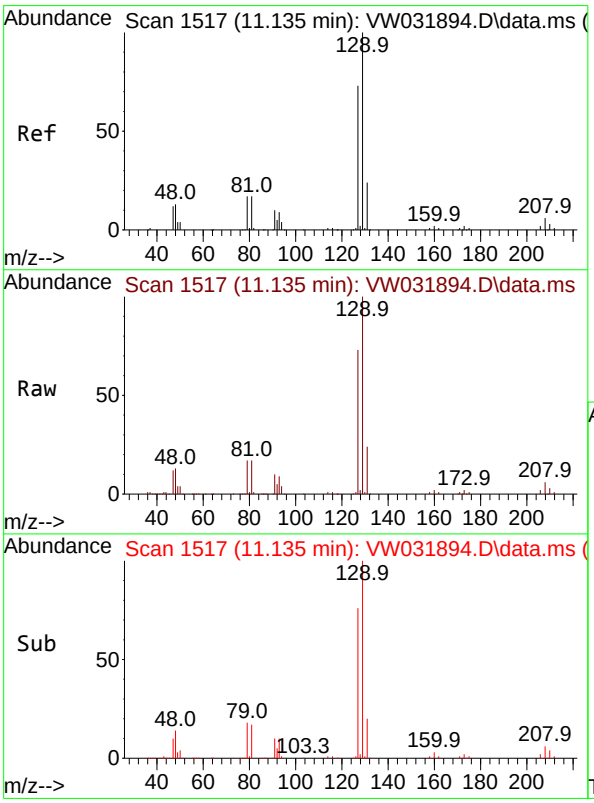
#59
2-Hexanone
Concen: 250.784 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 430358

Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.5	85.6

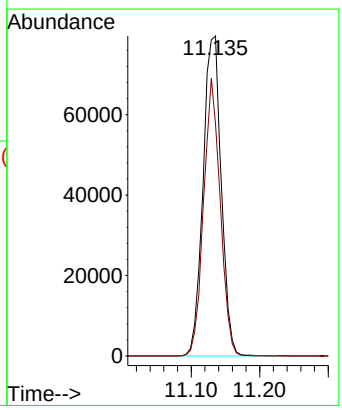


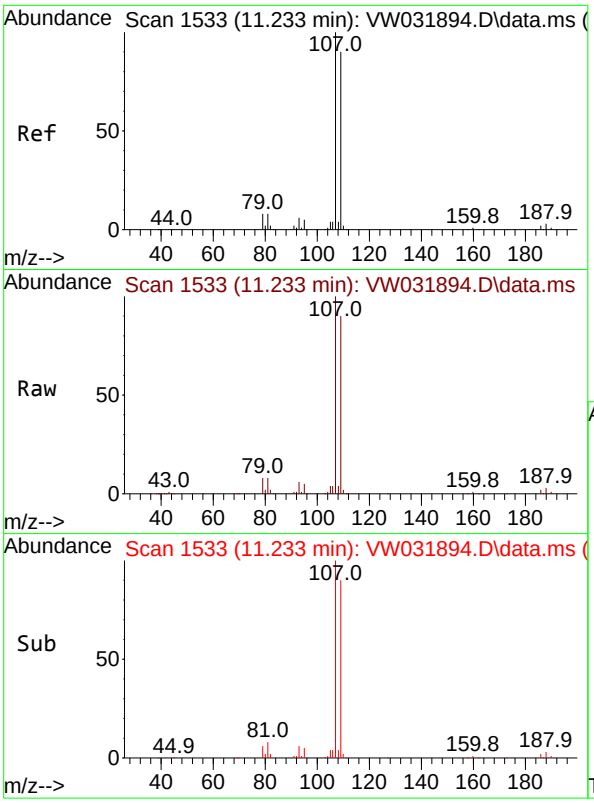


#60
Dibromochloromethane
Concen: 49.183 ug/l
RT: 11.135 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:129 Resp: 147041

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8



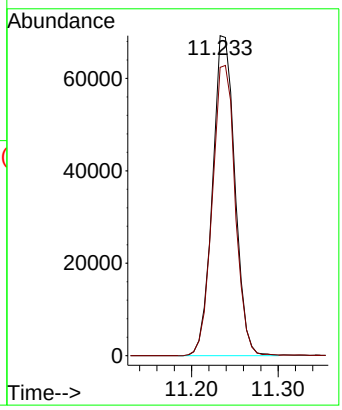


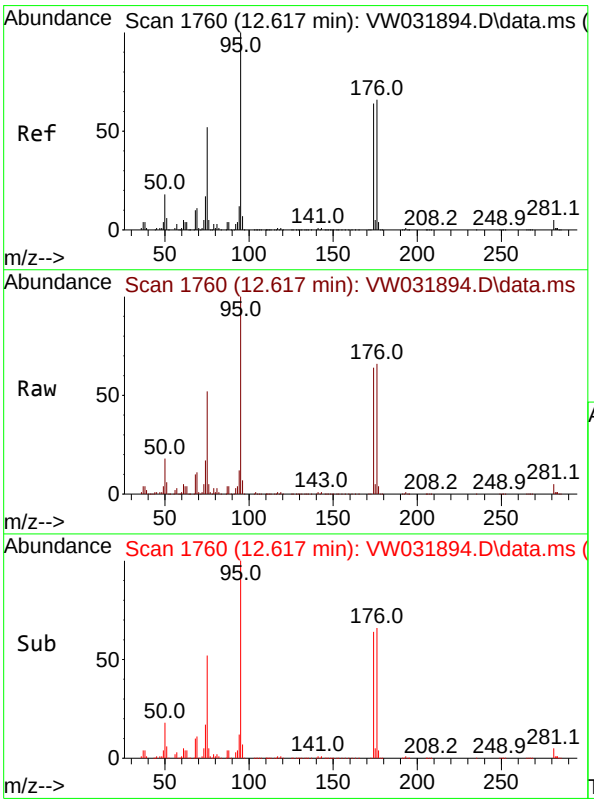
#61
1,2-Dibromoethane
Concen: 49.043 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 124264

Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.2	111.4

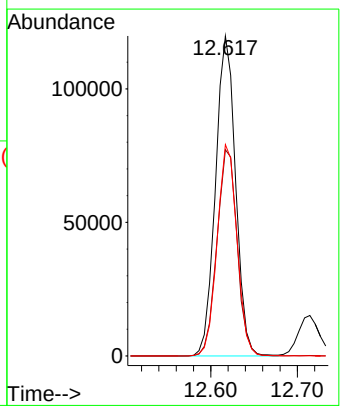


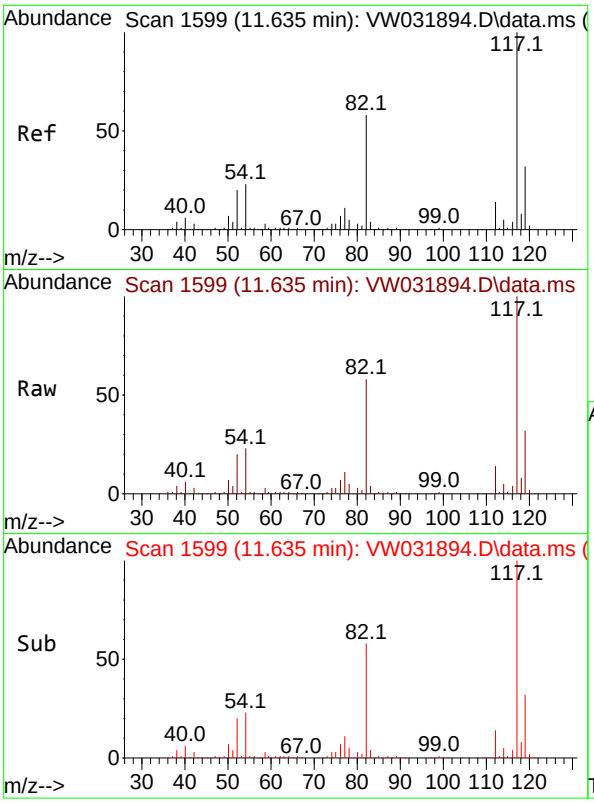


#62
4-Bromofluorobenzene
Concen: 46.629 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 95 Resp: 192744

Ion	Ratio	Lower	Upper
95	100		
174	64.9	0.0	129.8
176	65.2	0.0	130.4



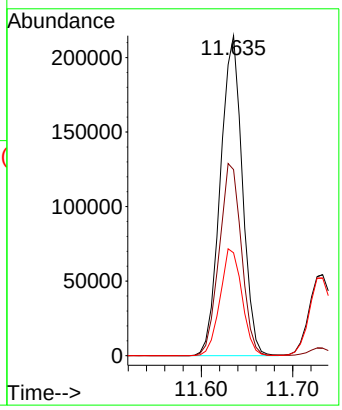


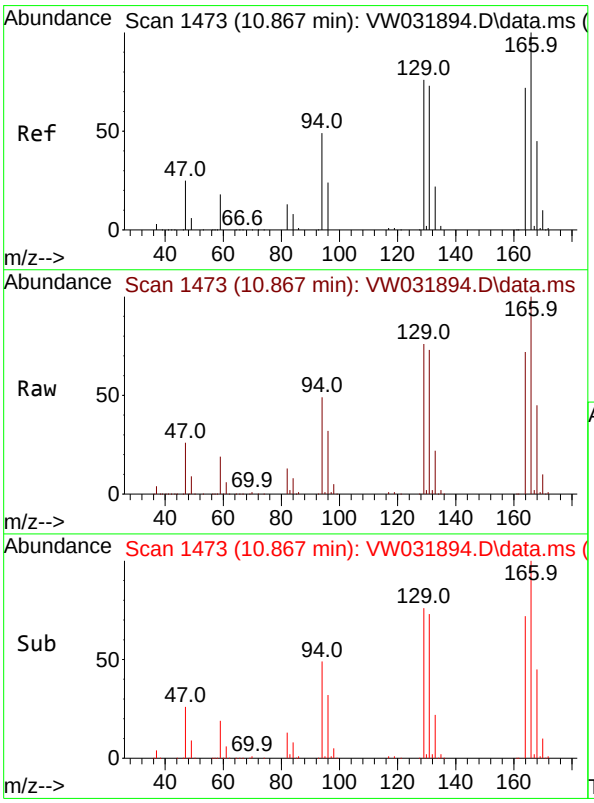
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 358393

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	32.2	25.8	38.6

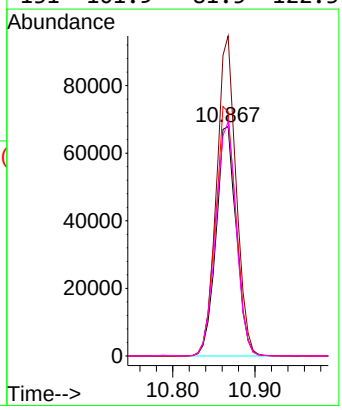


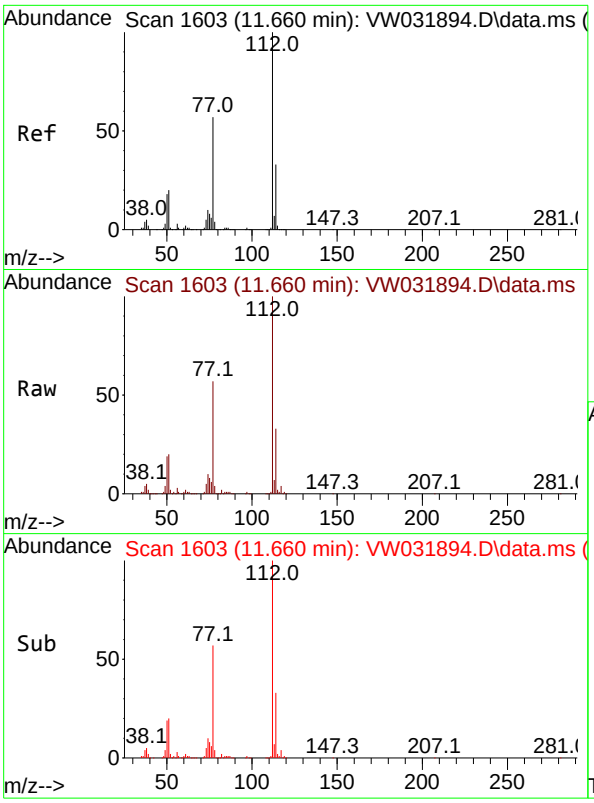


#64
Tetrachloroethene
Concen: 49.172 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:164 Resp: 116190

Ion	Ratio	Lower	Upper
164	100		
166	139.4	111.5	167.3
129	106.4	85.1	127.7
131	101.9	81.5	122.3



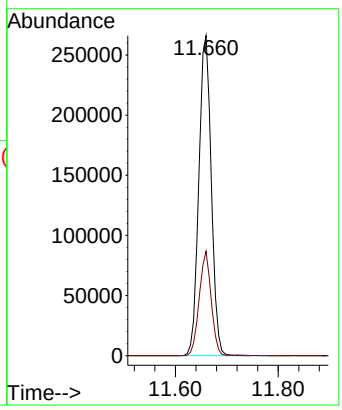


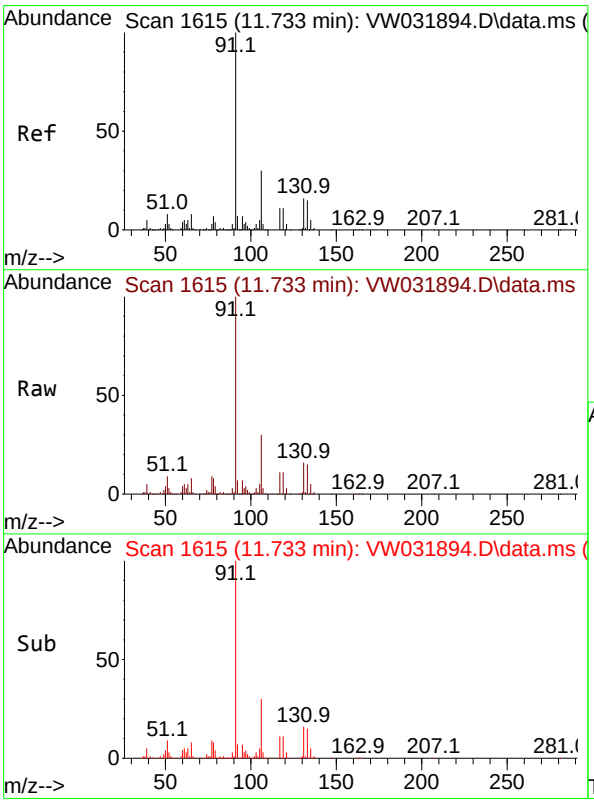
#65
Chlorobenzene
Concen: 50.836 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 445905

Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

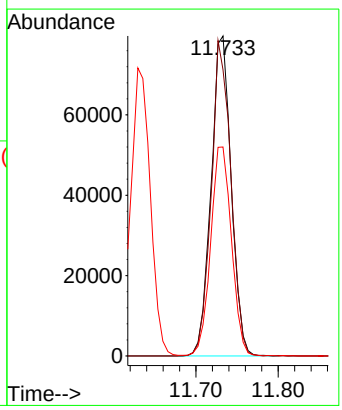


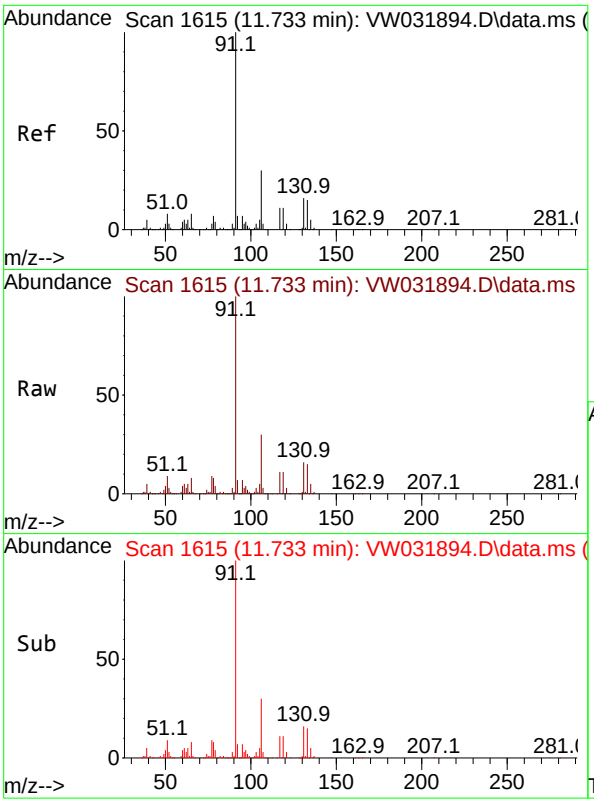


#66
1,1,1,2-Tetrachloroethane
Concen: 49.749 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:131 Resp: 135280

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.4
119	67.4	33.7	101.1



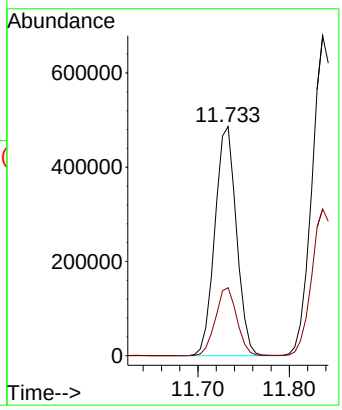


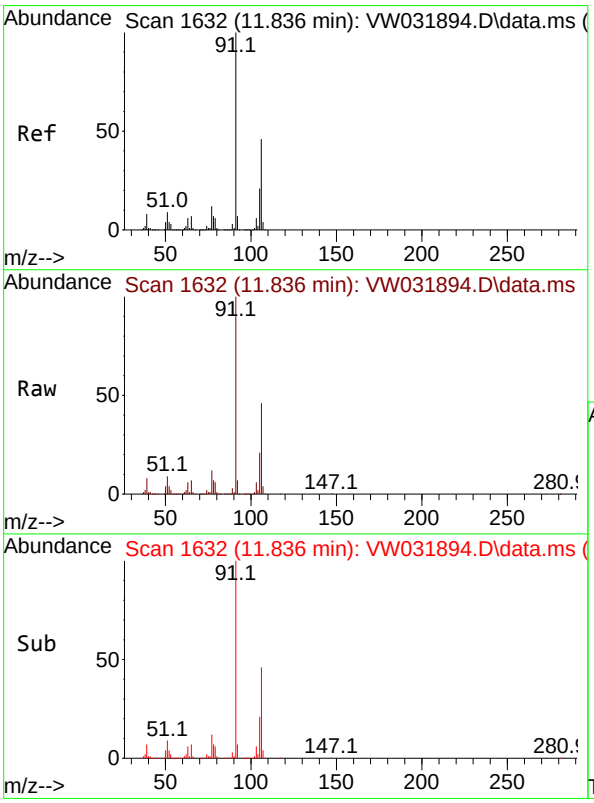
#67
Ethyl Benzene
Concen: 51.758 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 797666

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

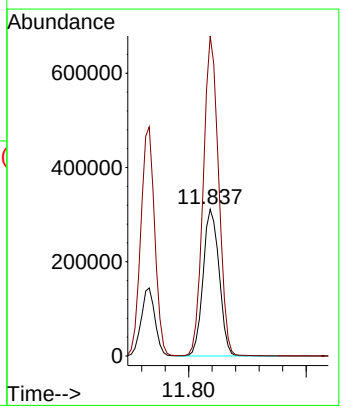


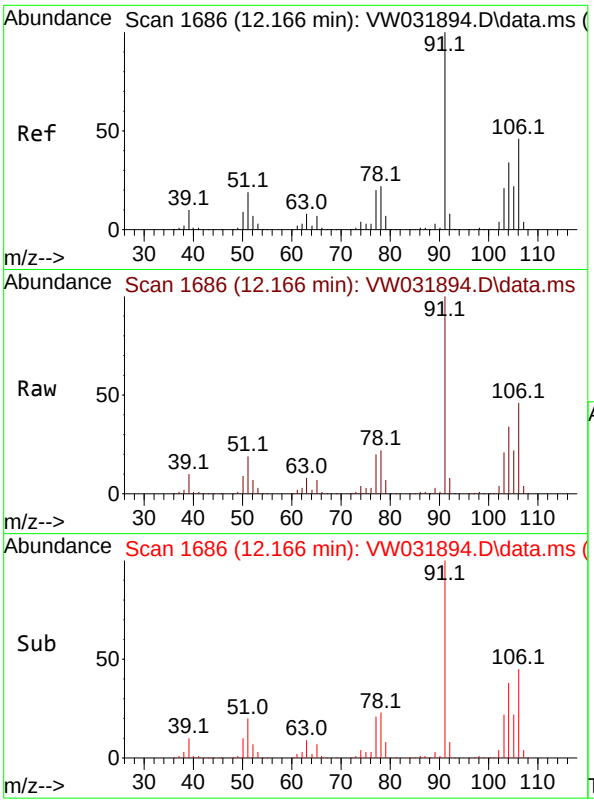


#68
m/p-Xylenes
Concen: 101.698 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:106 Resp: 590027

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.7	251.5



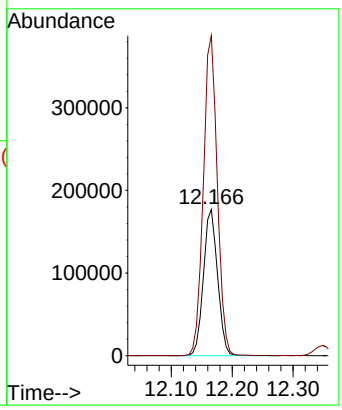


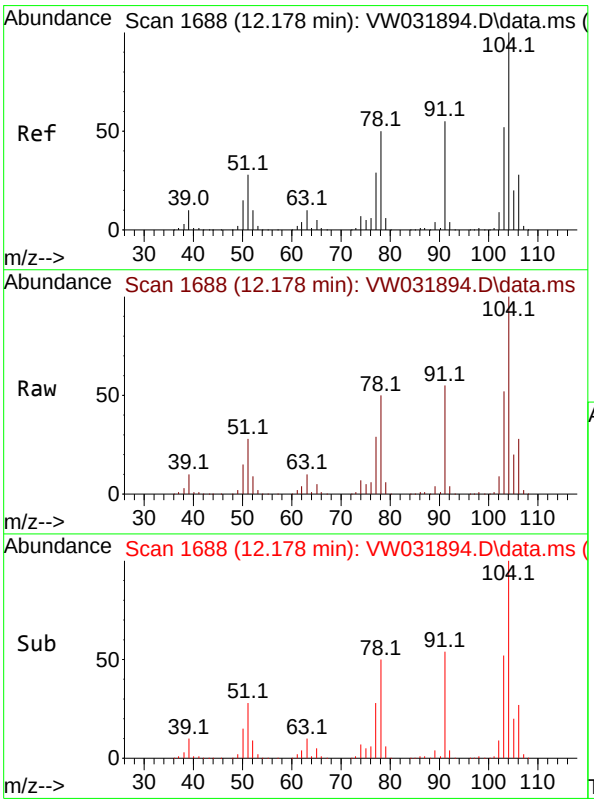
#69
o-Xylene
Concen: 51.967 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 285328

Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.2	324.6

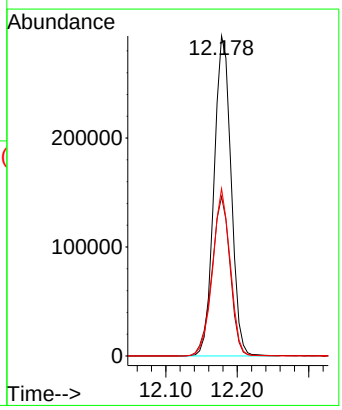


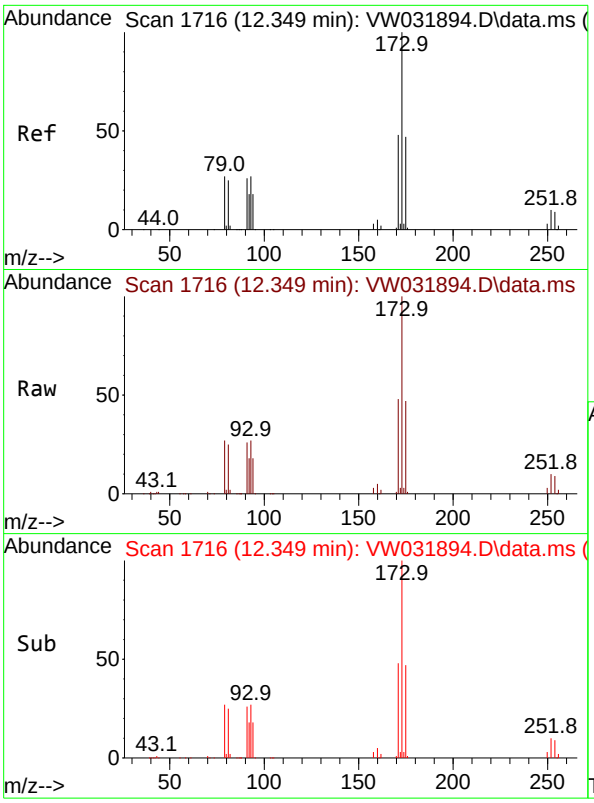


#70
Styrene
Concen: 52.165 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:104 Resp: 487647

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	53.5	42.8	64.2



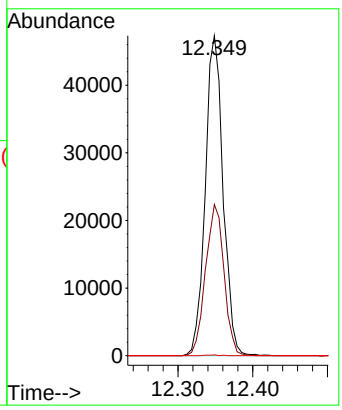


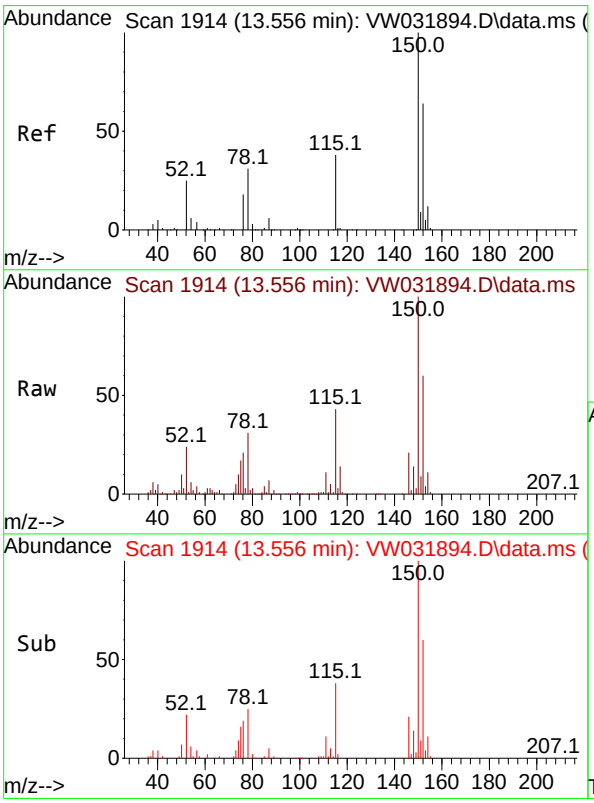
#71
Bromoform
Concen: 52.724 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 78409

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2#

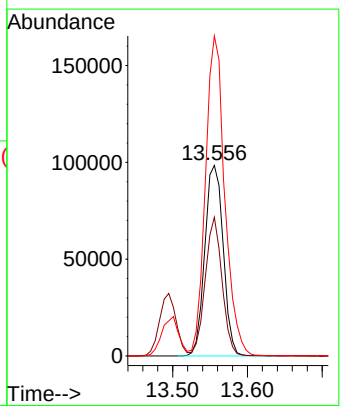


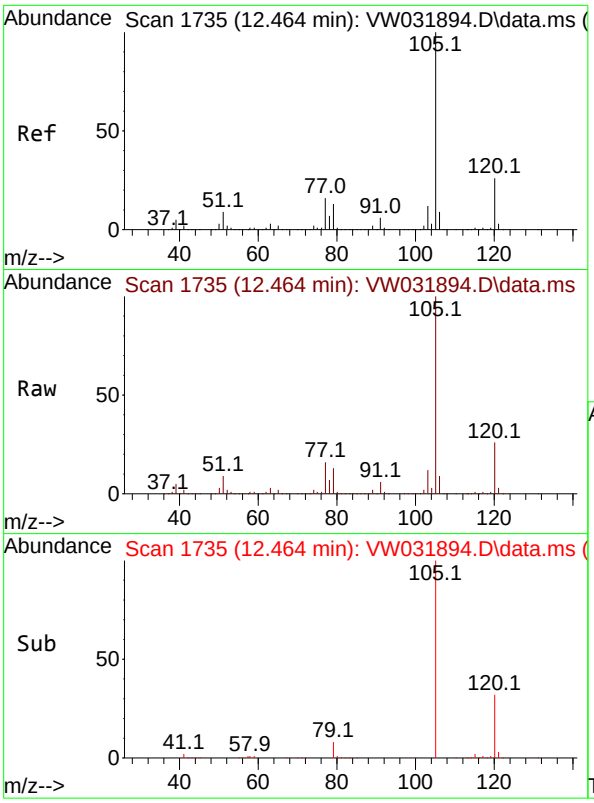


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:152 Resp: 168778

Ion	Ratio	Lower	Upper
152	100		
115	66.7	33.4	100.1
150	176.1	0.0	352.2



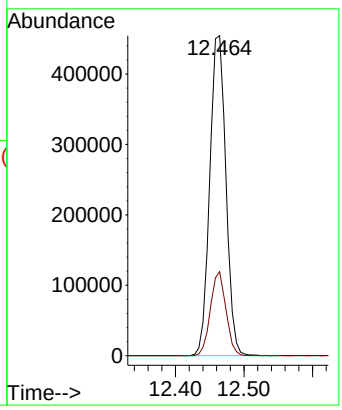


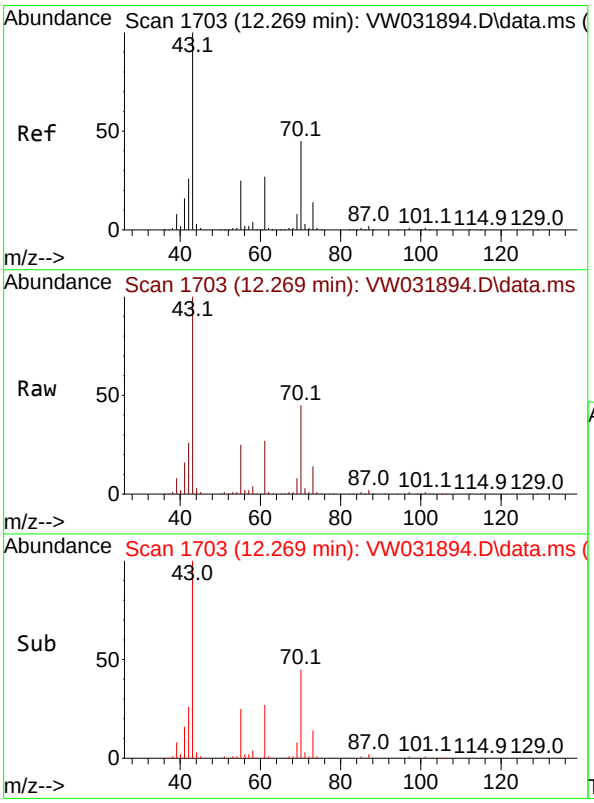
#73
Isopropylbenzene
Concen: 50.771 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 743506

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

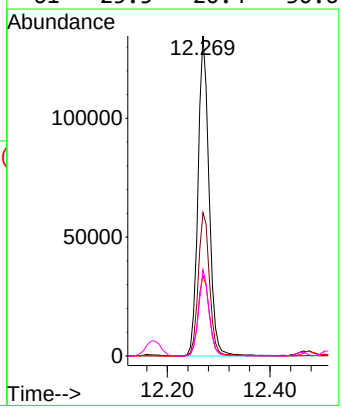


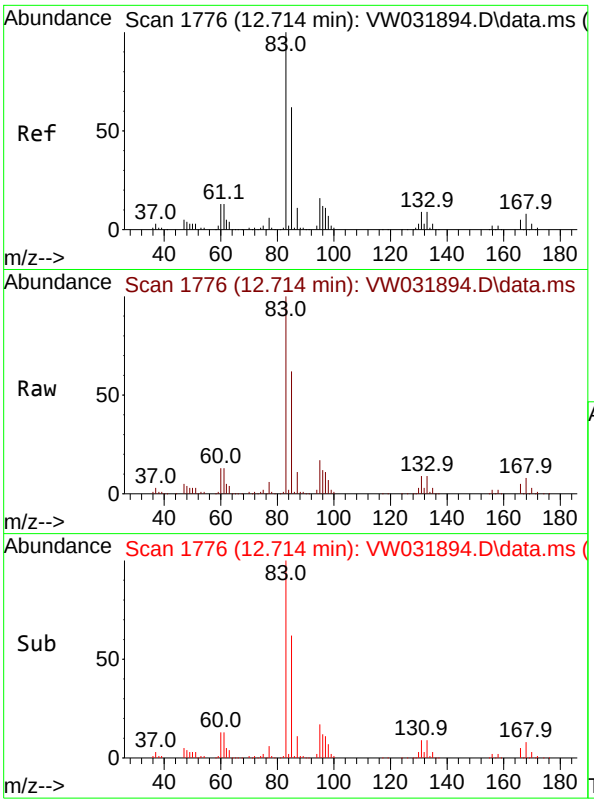


#74
N-amyl acetate
Concen: 50.845 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 43 Resp: 201296

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.6	55.0
55	25.9	20.7	31.1
61	25.5	20.4	30.6



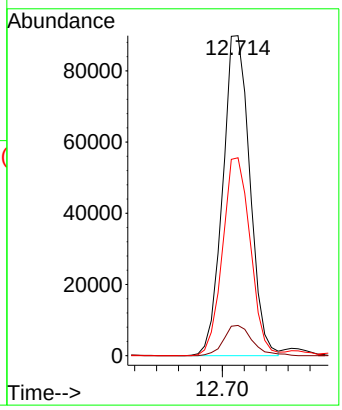


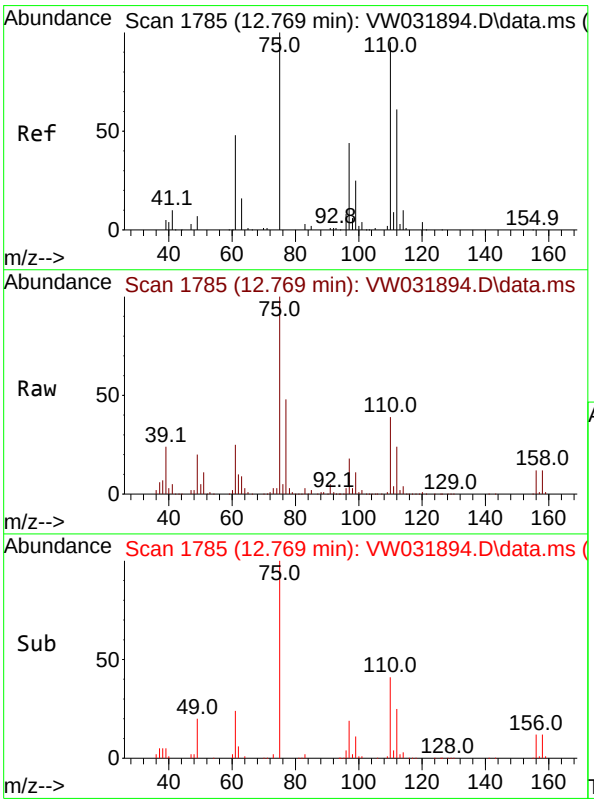
#75
1,1,2,2-Tetrachloroethane
Concen: 49.601 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 154182

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.5	31.8	95.3

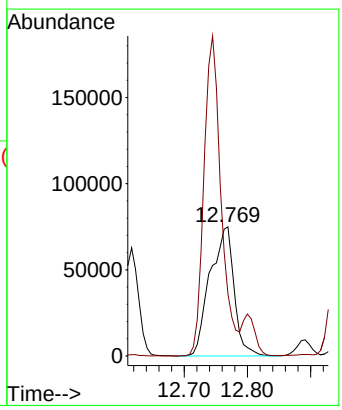


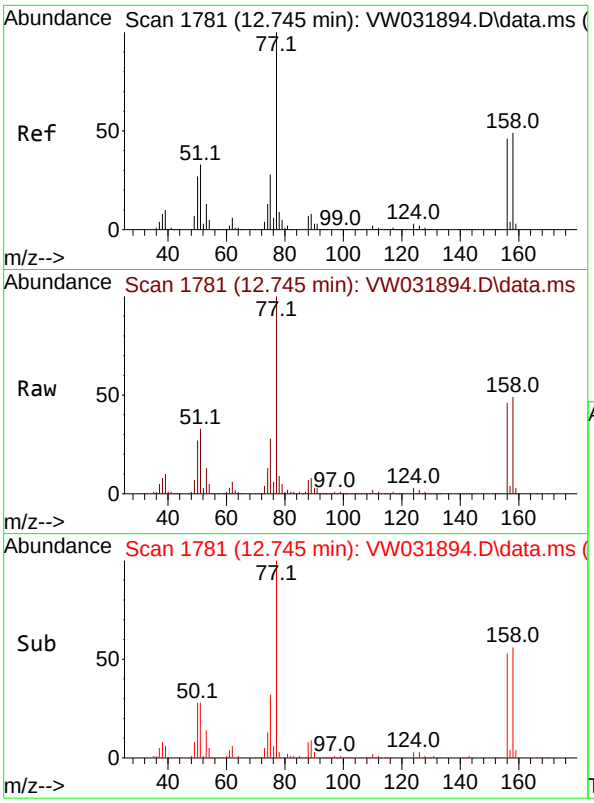


#76
1,2,3-Trichloropropane
Concen: 85.698 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 198020

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



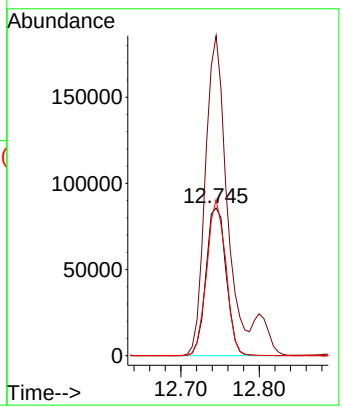


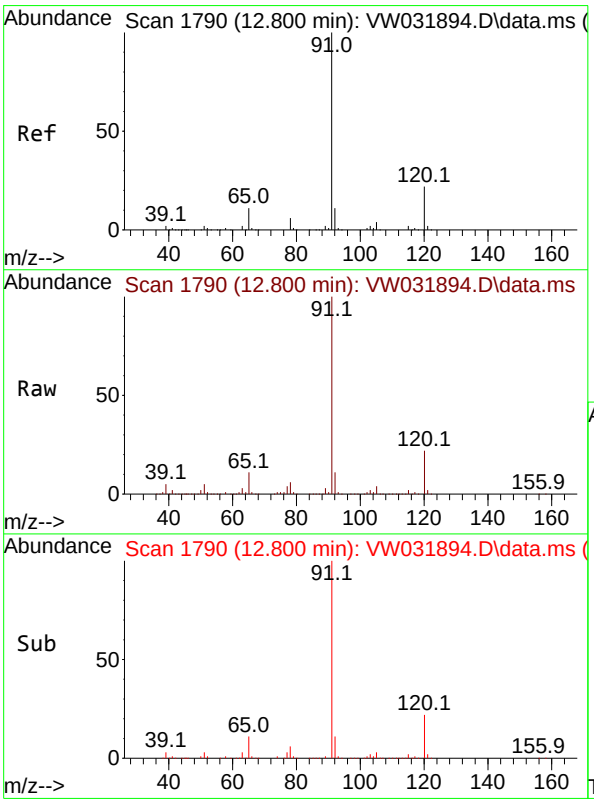
#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 153362

Ion	Ratio	Lower	Upper
156	100		
77	230.5	115.3	345.8
158	100.2	50.1	150.3

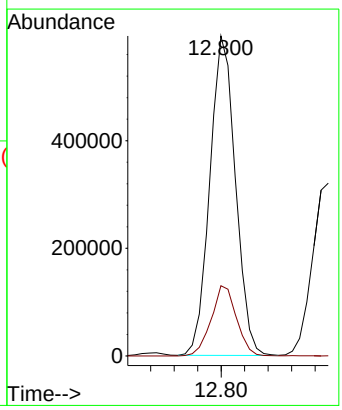


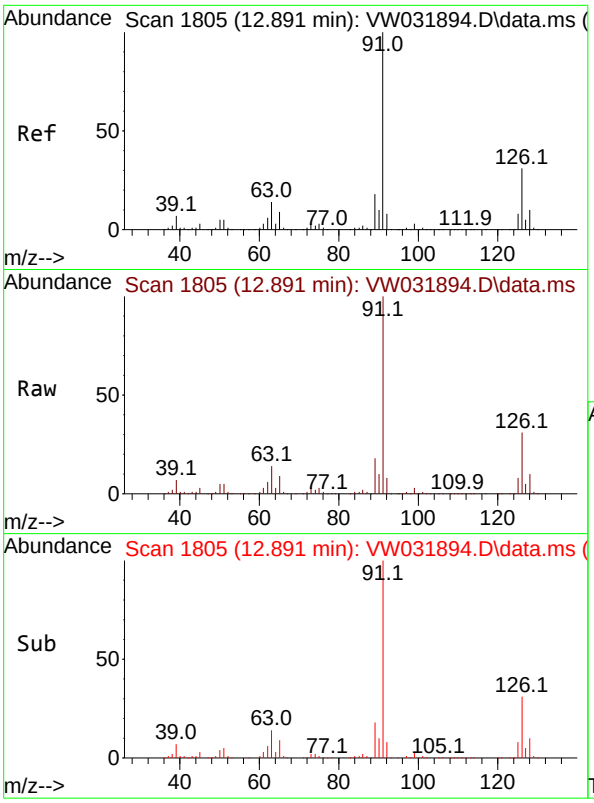


#78
n-propylbenzene
Concen: 50.036 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 91 Resp: 899940

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6



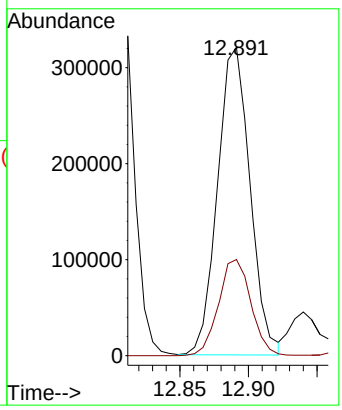


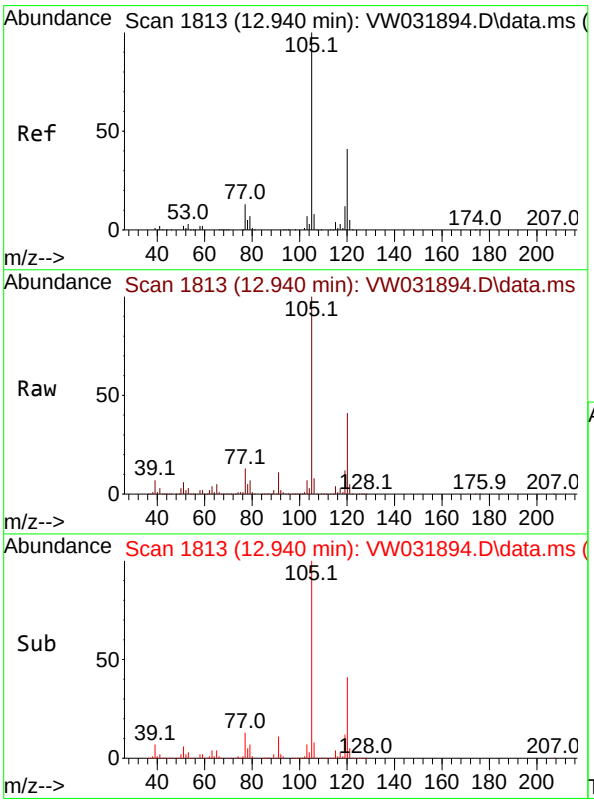
#79
2-Chlorotoluene
Concen: 49.215 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 528504

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8

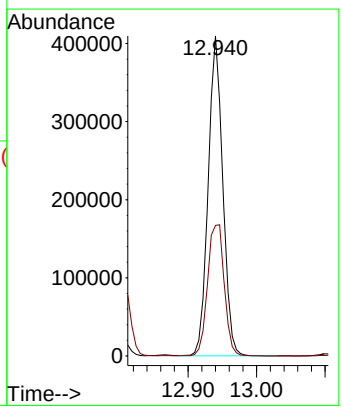


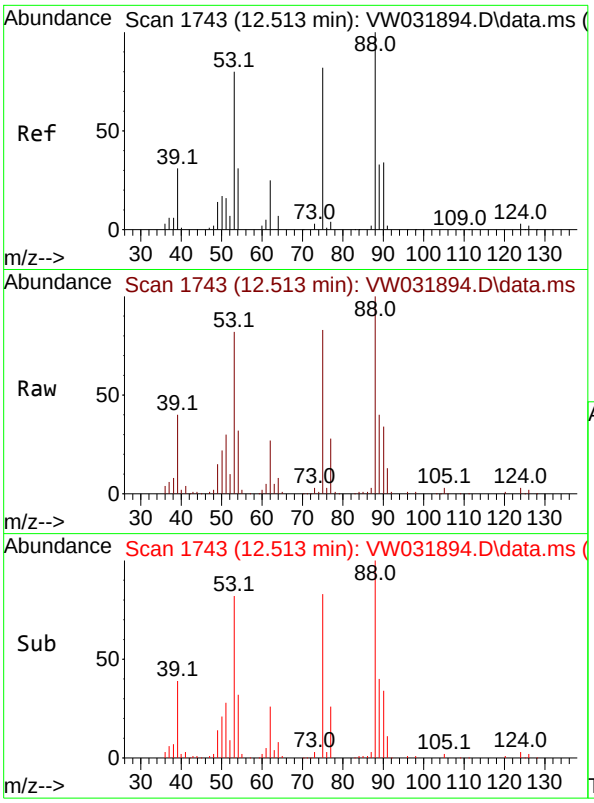


#80
1,3,5-Trimethylbenzene
Concen: 49.373 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:105 Resp: 606401

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5



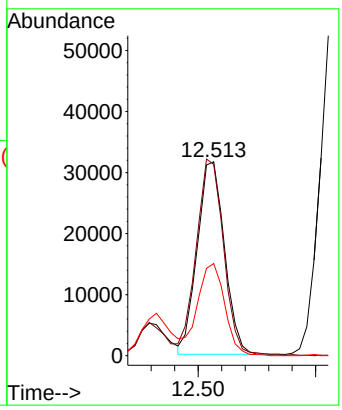


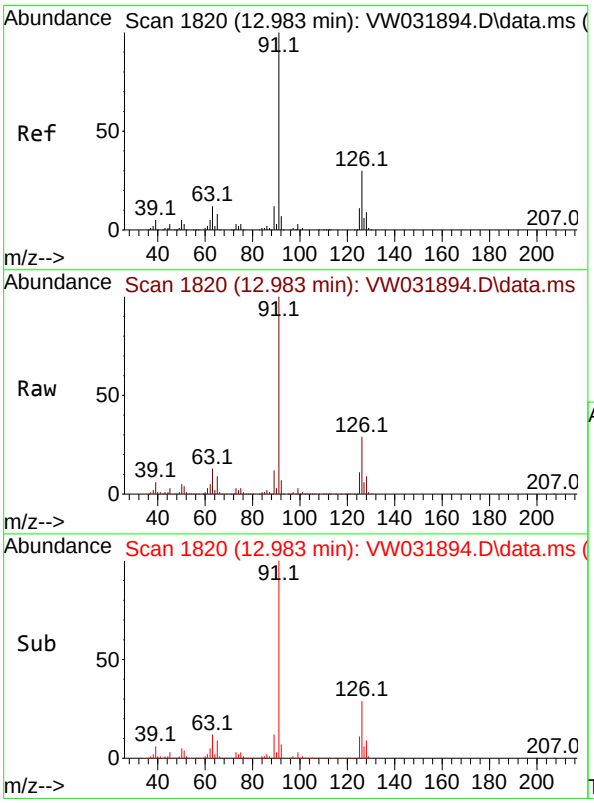
#81
trans-1,4-Dichloro-2-butene
Concen: 50.242 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 50710

Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.7	125.5
89	48.8	39.0	58.6

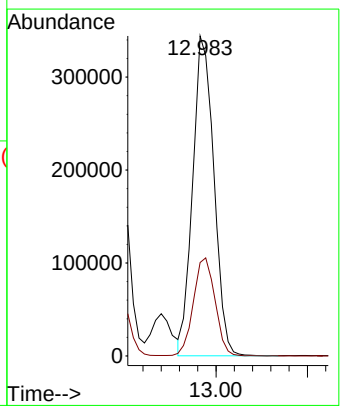


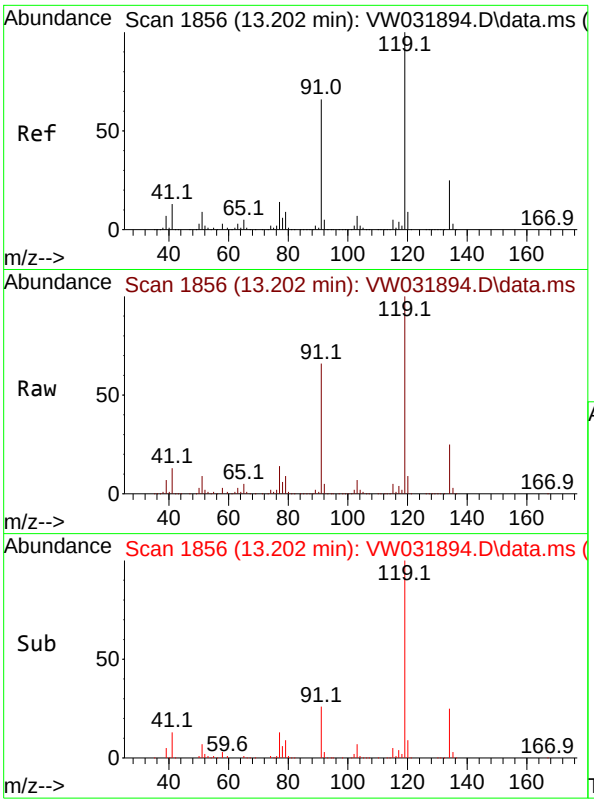


#82
4-Chlorotoluene
Concen: 49.113 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 91 Resp: 553292

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3



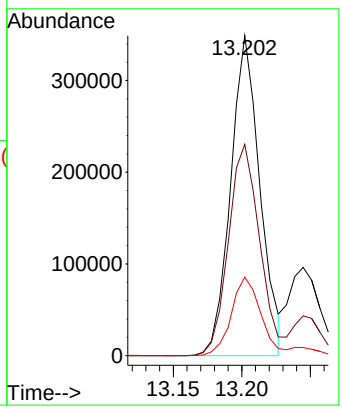


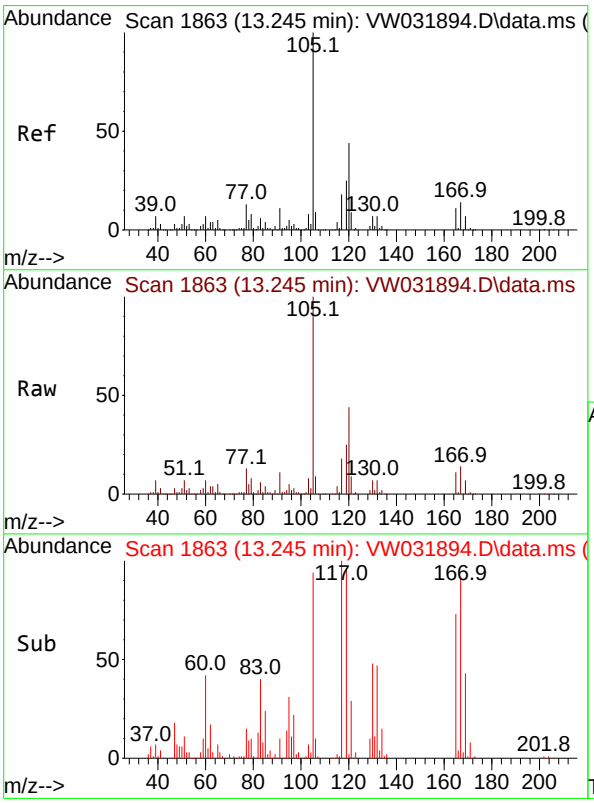
#83
tert-Butylbenzene
Concen: 49.685 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 519792

Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	24.7	12.4	37.0

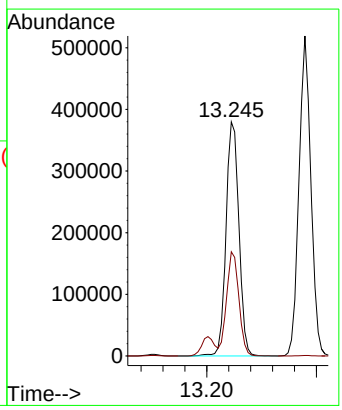


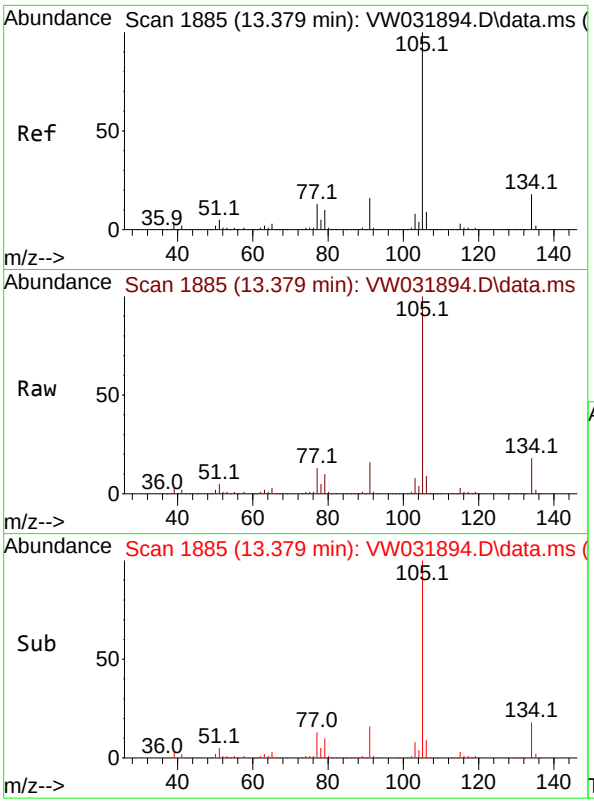


#84
1,2,4-Trimethylbenzene
Concen: 50.033 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:105 Resp: 621979

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.3	63.9



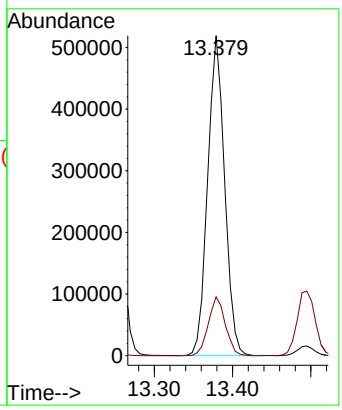


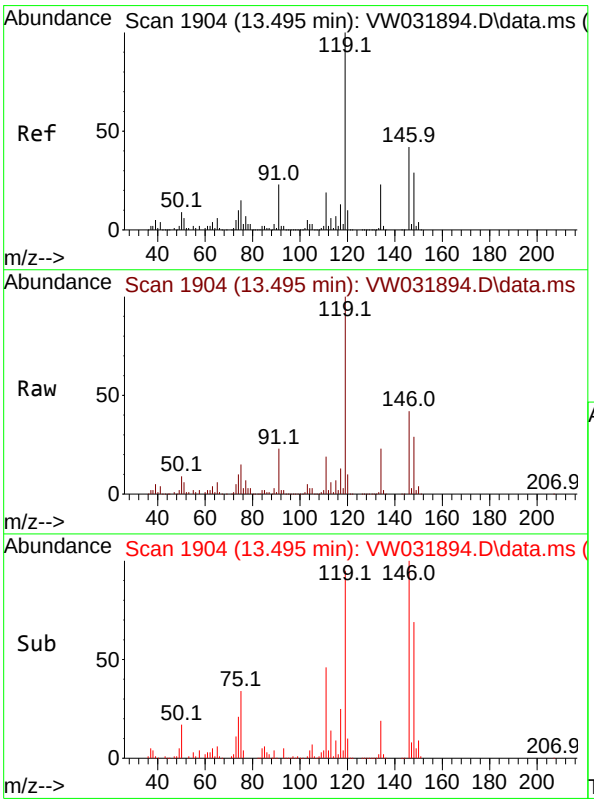
#85
sec-Butylbenzene
Concen: 49.619 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 779564

Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6

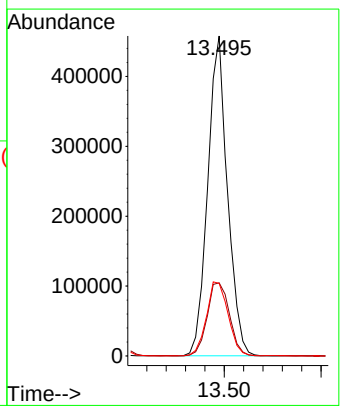


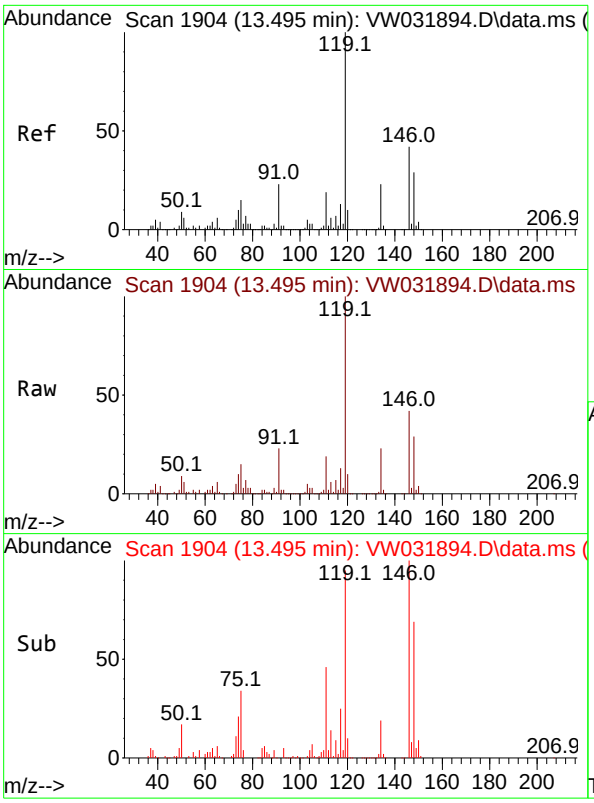


#86
p-Isopropyltoluene
Concen: 49.930 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:119 Resp: 648382

Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.4	12.7	38.1



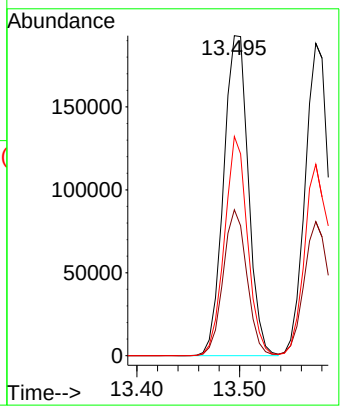


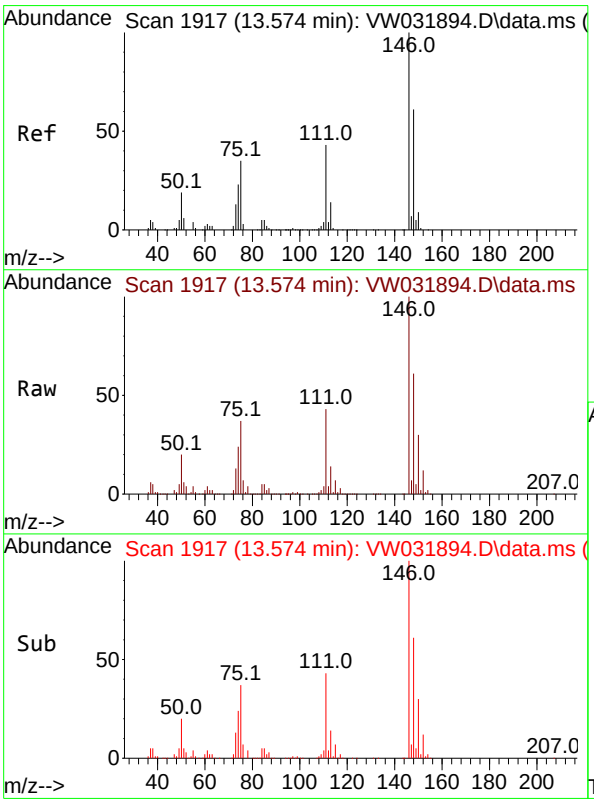
#87
1,3-Dichlorobenzene
Concen: 48.890 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 322462

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.7	31.9	95.5

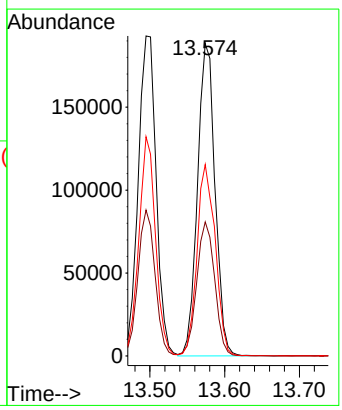


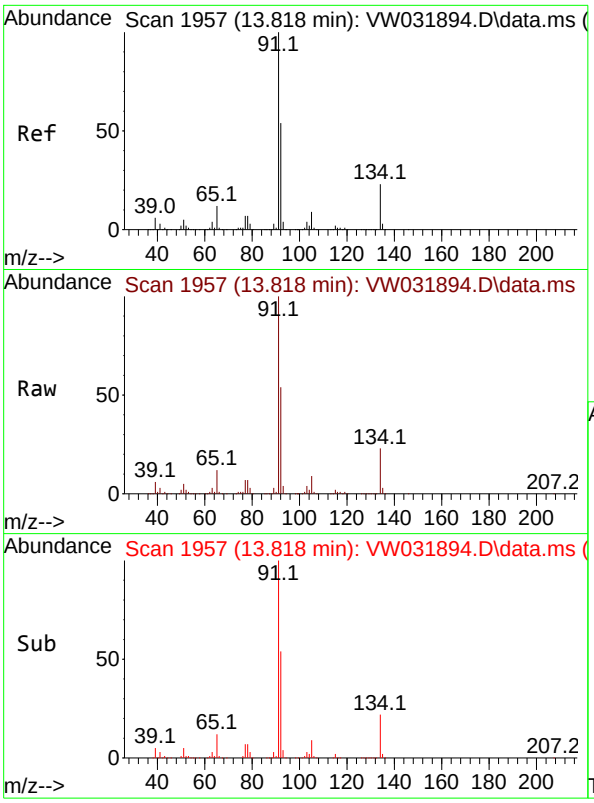


#88
1,4-Dichlorobenzene
Concen: 47.653 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:146 Resp: 307895

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	63.5	31.8	95.3



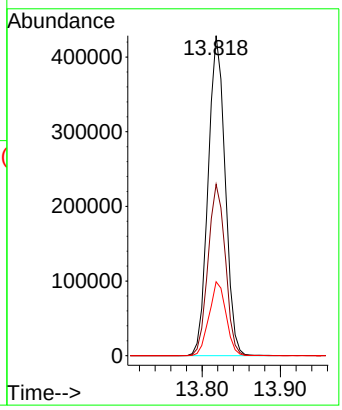


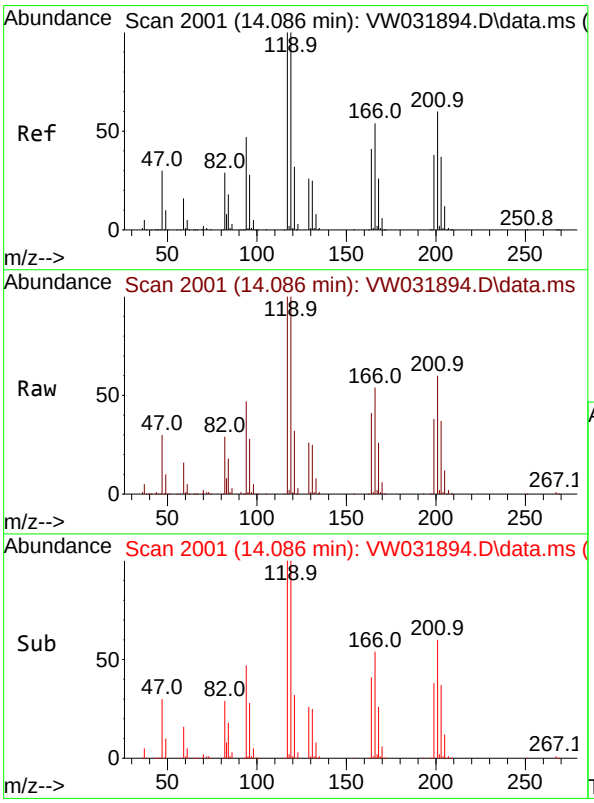
#89
n-Butylbenzene
Concen: 50.705 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 645926

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	23.1	11.6	34.7

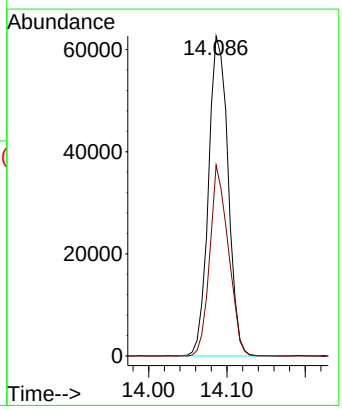


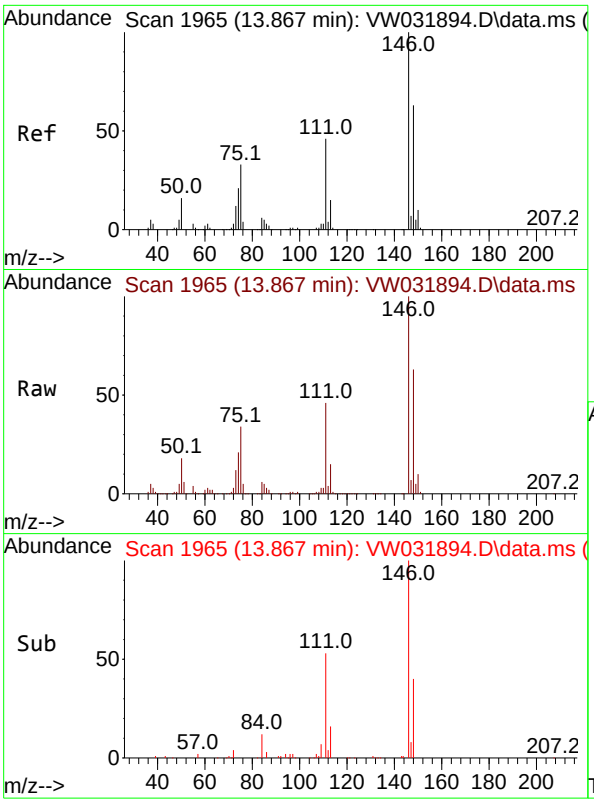


#90
Hexachloroethane
Concen: 48.355 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:117 Resp: 108580

Ion	Ratio	Lower	Upper
117	100		
201	56.8	28.4	85.2



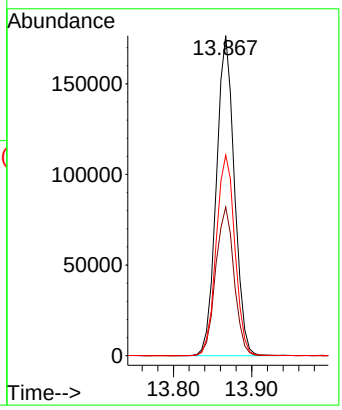


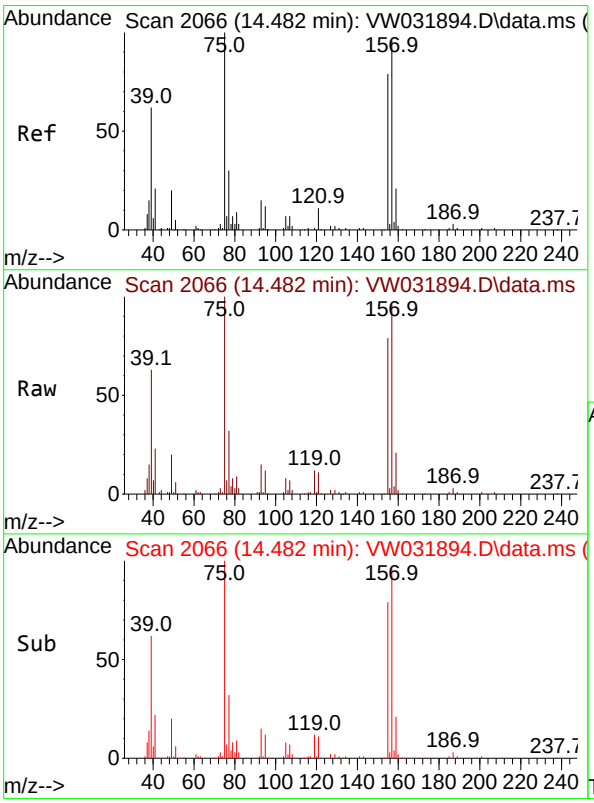
#91
1,2-Dichlorobenzene
Concen: 48.433 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 283107

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.6	71.0
148	64.8	32.4	97.2

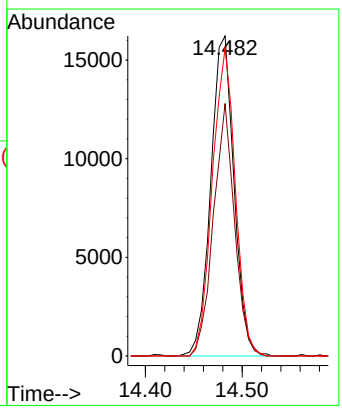


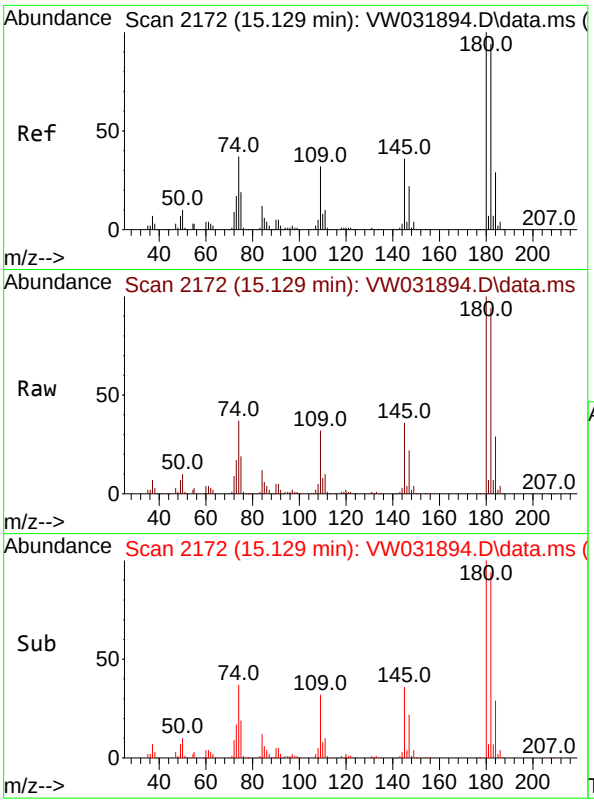


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.235 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion: 75 Resp: 27088

Ion	Ratio	Lower	Upper
75	100		
155	71.8	35.9	107.7
157	94.8	47.4	142.2



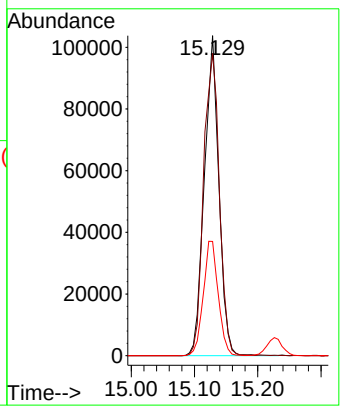


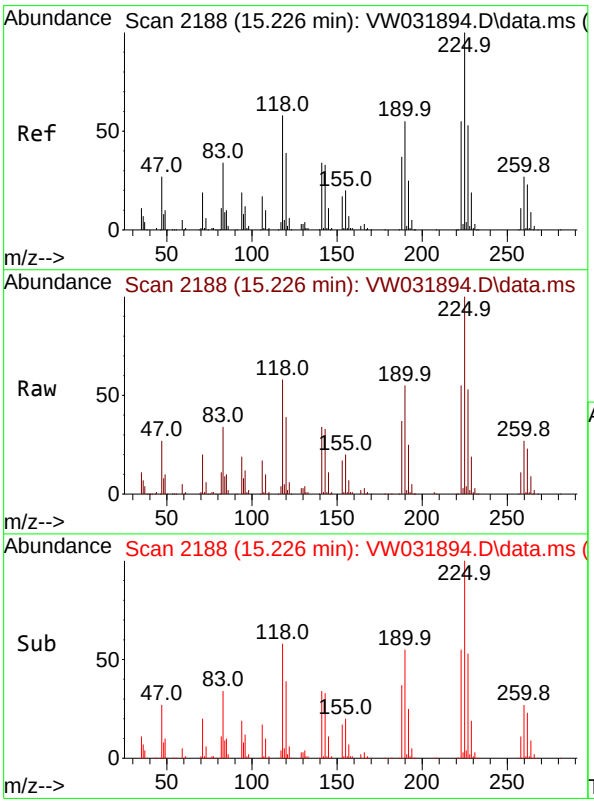
#93
1,2,4-Trichlorobenzene
Concen: 47.124 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 166119

Ion	Ratio	Lower	Upper
180	100		
182	102.1	51.0	153.1
145	36.9	18.4	55.4

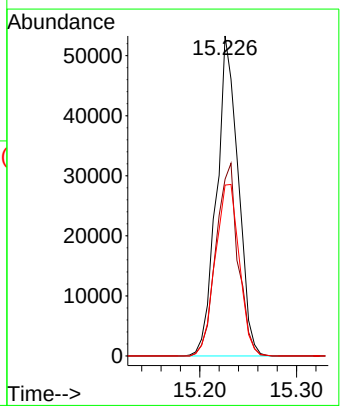


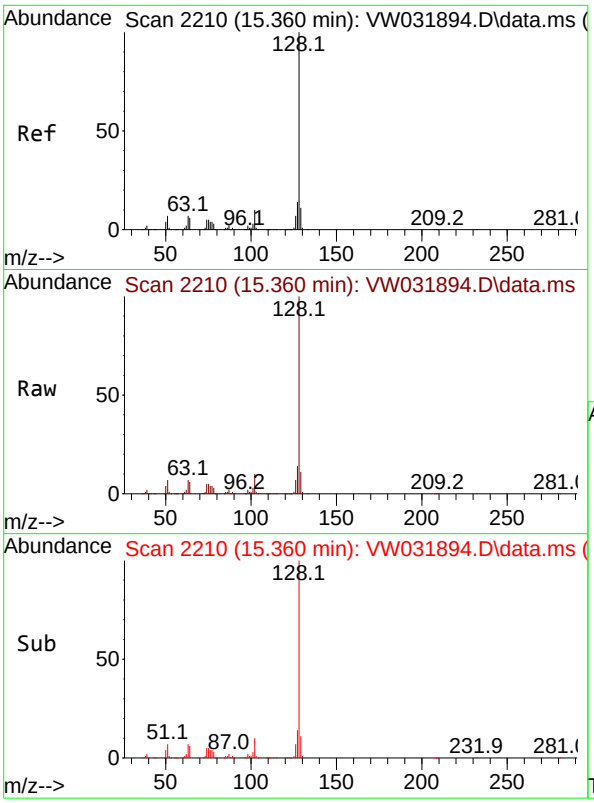


#94
Hexachlorobutadiene
Concen: 49.399 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:225 Resp: 82516

Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.7
227	60.1	30.0	90.1



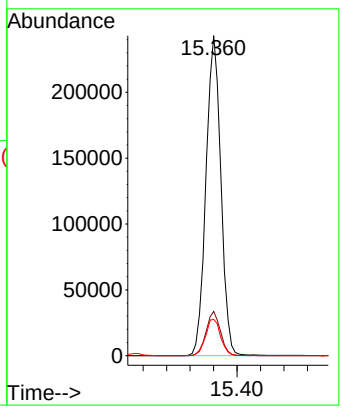


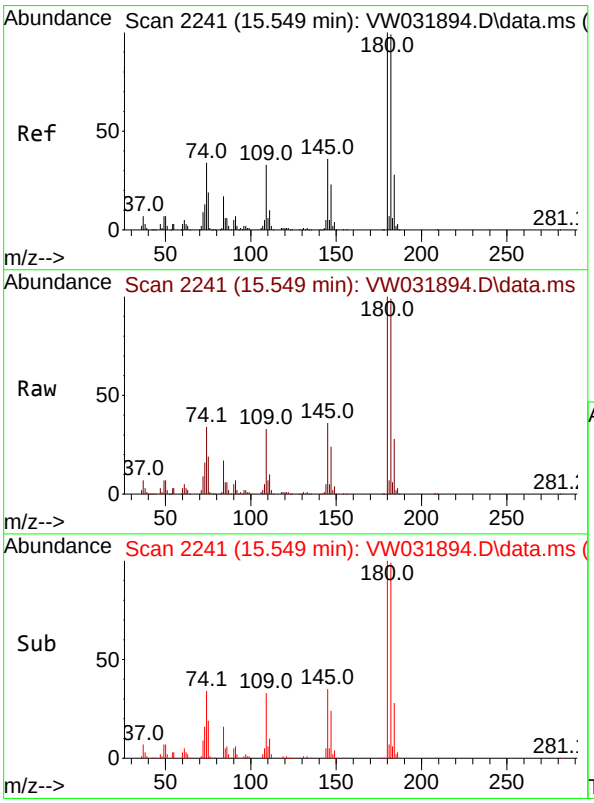
#95
Naphthalene
Concen: 49.367 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 427849

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.5	9.2	13.8

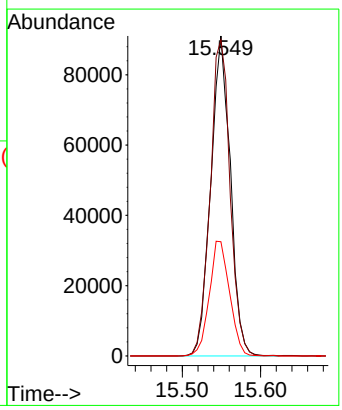




#96
1,2,3-Trichlorobenzene
Concen: 49.413 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 22 Jul 2025 10:39

Tgt Ion:180 Resp: 157823

Ion	Ratio	Lower	Upper
180	100		
182	100.8	50.4	151.2
145	37.2	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	221447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	402410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	317755	94.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 189.700%#			
35) Dibromofluoromethane	7.892	113	265829	97.216	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery = 194.440%#			
50) Toluene-d8	10.325	98	1013207	97.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 195.800%#			
62) 4-Bromofluorobenzene	12.617	95	383449	96.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 192.980%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	163348	99.248	ug/l	99
3) Chloromethane	2.259	50	203485	96.326	ug/l	98
4) Vinyl Chloride	2.405	62	273463	99.654	ug/l	99
5) Bromomethane	2.820	94	198486	98.226	ug/l	99
6) Chloroethane	2.966	64	181340	100.126	ug/l	99
7) Trichlorofluoromethane	3.301	101	276765	99.578	ug/l	96
8) Diethyl Ether	3.722	74	177440	95.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	258448	96.675	ug/l	99
10) Methyl Iodide	4.307	142	396765	99.264	ug/l	100
11) Tert butyl alcohol	5.216	59	108215	549.558	ug/l	100
12) 1,1-Dichloroethene	4.076	96	295280	100.001	ug/l	93
13) Acrolein	3.929	56	126741	529.499	ug/l	100
14) Allyl chloride	4.704	41	461159	100.325	ug/l	99
15) Acrylonitrile	5.399	53	434270	523.190	ug/l	99
16) Acetone	4.161	43	372157	468.167	ug/l	98
17) Carbon Disulfide	4.417	76	778367	101.641	ug/l	98
18) Methyl Acetate	4.704	43	233619	106.673	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	510872	100.133	ug/l	99
20) Methylene Chloride	4.954	84	323479	99.782	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	309509	98.792	ug/l	98
22) Diisopropyl ether	6.338	45	919619	99.982	ug/l	98
23) Vinyl Acetate	6.277	43	3184428	529.933	ug/l	99
24) 1,1-Dichloroethane	6.246	63	571894	99.864	ug/l	99
25) 2-Butanone	7.191	43	563092	517.723	ug/l	96
26) 2,2-Dichloropropane	7.179	77	310099	95.647	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	374781	101.755	ug/l	99
28) Bromochloromethane	7.532	49	239942	100.070	ug/l	98
29) Tetrahydrofuran	7.551	42	380062	532.985	ug/l	100
30) Chloroform	7.691	83	597178	99.456	ug/l	96
31) Cyclohexane	7.971	56	487369	94.861	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	447021	97.836	ug/l	99
36) 1,1-Dichloropropene	8.093	75	424179	101.012	ug/l	100
37) Ethyl Acetate	7.270	43	255825	106.793	ug/l	100
38) Carbon Tetrachloride	8.081	117	415729	103.155	ug/l	92
39) Methylcyclohexane	9.343	83	554981	105.017	ug/l	96
40) Benzene	8.337	78	1262395	101.554	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	151519	107.383	ug/l		97
42) 1,2-Dichloroethane	8.410	62	408100	102.578	ug/l		100
43) Isopropyl Acetate	8.435	43	474069	109.315	ug/l		99
44) Trichloroethene	9.099	130	301416	102.011	ug/l		98
45) 1,2-Dichloropropane	9.374	63	303214	101.282	ug/l		99
46) Dibromomethane	9.465	93	189553	102.141	ug/l		95
47) Bromodichloromethane	9.648	83	468786	105.344	ug/l		99
48) Methyl methacrylate	9.441	41	226471	109.767	ug/l		100
49) 1,4-Dioxane	9.465	88	43032	2323.819	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.209	43	1288323	542.828	ug/l		100
52) Toluene	10.392	92	803397	100.537	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	463061	108.477	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	519672	106.602	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	254950	103.424	ug/l		96
56) Ethyl methacrylate	10.648	69	392187	112.649	ug/l		99
57) 1,3-Dichloropropane	10.934	76	454447	104.643	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	981034	548.592	ug/l		99
59) 2-Hexanone	10.965	43	892662	541.101	ug/l		99
60) Dibromochloromethane	11.129	129	310954	108.191	ug/l		97
61) 1,2-Dibromoethane	11.239	107	255989	105.093	ug/l		98
64) Tetrachloroethene	10.861	164	236845	96.662	ug/l		88
65) Chlorobenzene	11.654	112	886811	97.499	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.727	131	280110	99.339	ug/l		99
67) Ethyl Benzene	11.727	91	1560463	97.646	ug/l		98
68) m/p-Xylenes	11.837	106	1180270	196.185	ug/l		98
69) o-Xylene	12.166	106	571902	100.449	ug/l		98
70) Styrene	12.178	104	948526	97.850	ug/l		97
71) Bromoform	12.349	173	166090	107.703	ug/l	#	99
73) Isopropylbenzene	12.458	105	1460308	106.348	ug/l		100
74) N-amyl acetate	12.269	43	417442	112.451	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	310725	106.608	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	405634	187.218	ug/l	#	100
77) Bromobenzene	12.745	156	308168	103.725	ug/l		97
78) n-propylbenzene	12.800	91	1765379	104.679	ug/l		100
79) 2-Chlorotoluene	12.891	91	1046552	103.935	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1241824	107.831	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	110340	116.589	ug/l		96
82) 4-Chlorotoluene	12.989	91	1070989	101.386	ug/l		100
83) tert-Butylbenzene	13.202	119	1052310	107.273	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1198796	102.845	ug/l		99
85) sec-Butylbenzene	13.379	105	1502744	102.008	ug/l		98
86) p-Isopropyltoluene	13.495	119	1283789	105.433	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	625716	101.175	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	614573	101.442	ug/l		98
89) n-Butylbenzene	13.818	91	1255431	105.103	ug/l		99
90) Hexachloroethane	14.092	117	225644	107.168	ug/l		92
91) 1,2-Dichlorobenzene	13.867	146	570249	104.043	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	57065	108.370	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	370704	112.151	ug/l		89
94) Hexachlorobutadiene	15.226	225	166160	106.085	ug/l		99
95) Naphthalene	15.360	128	922104	113.469	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	329679	110.082	ug/l		91

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

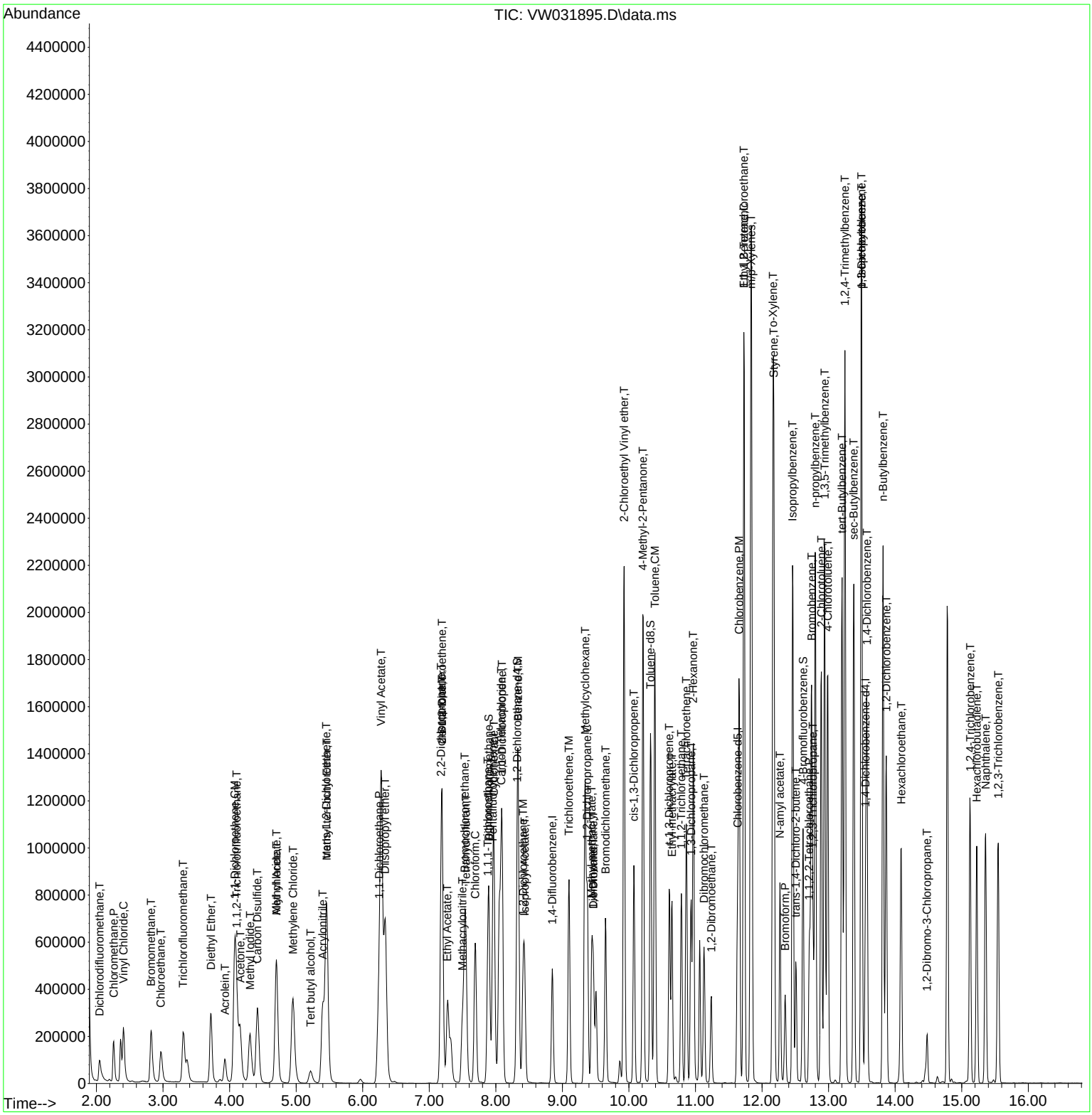
(#) = qualifier out of range (m) = manual integration (+) = signals summed

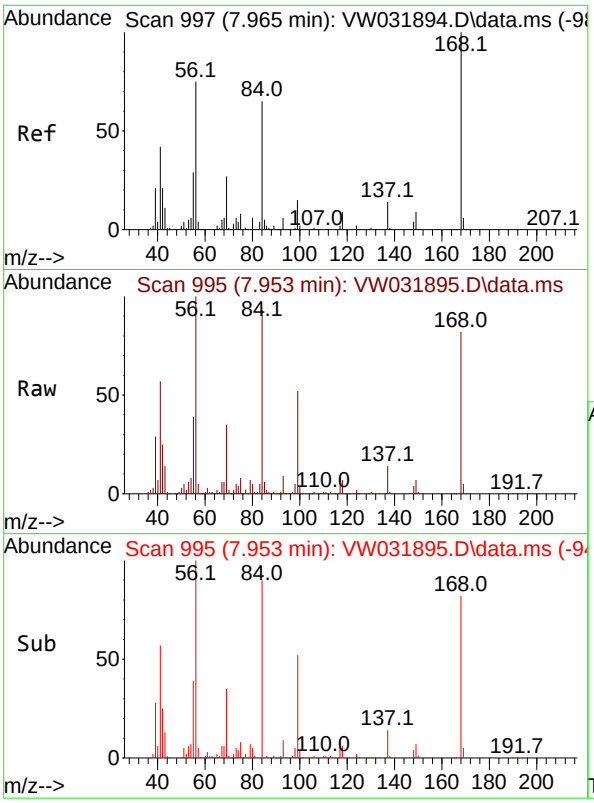
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



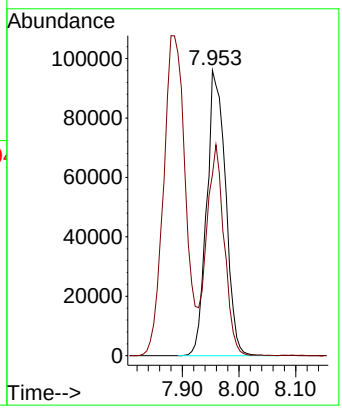


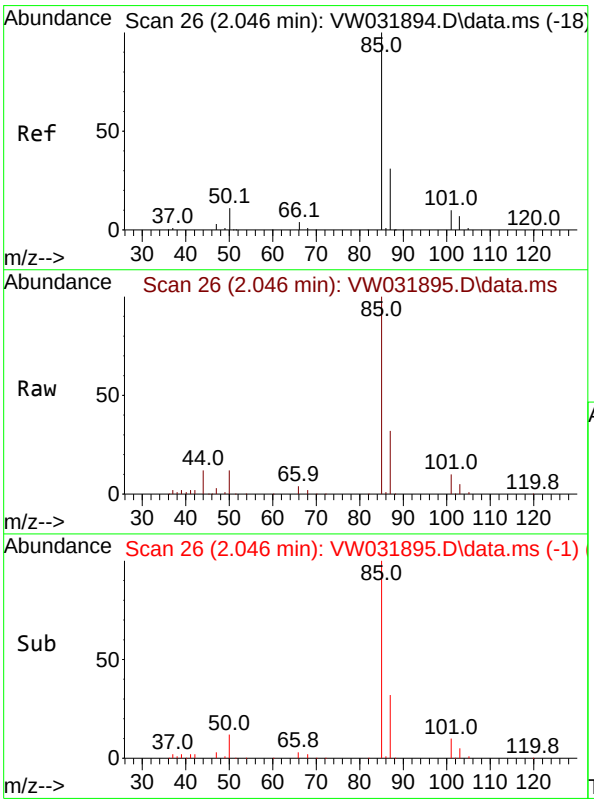
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 221447

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.2	72.2

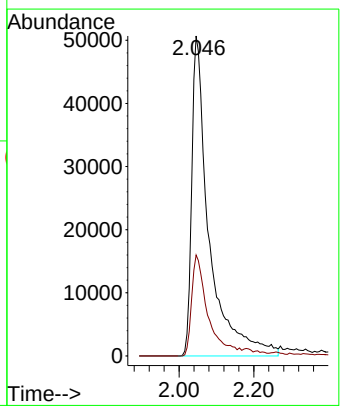


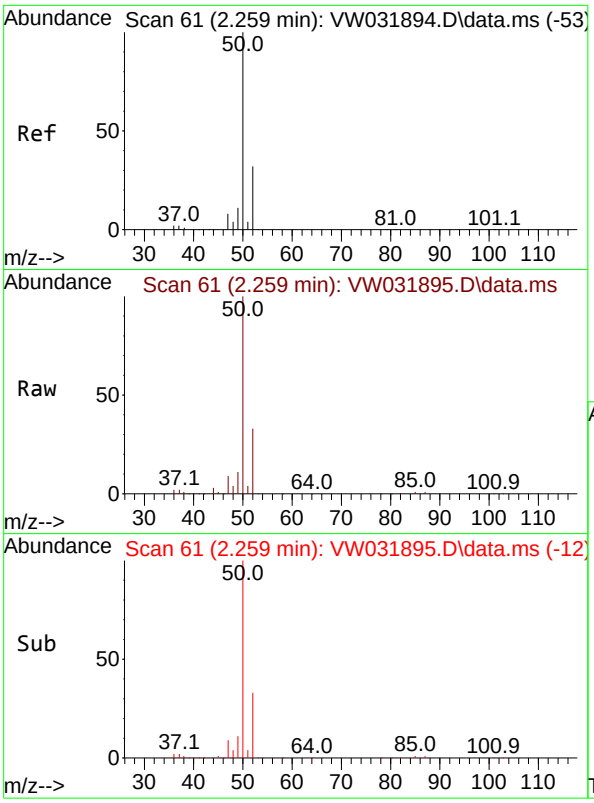


#2
Dichlorodifluoromethane
Concen: 99.248 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 85 Resp: 163348

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.5	46.5



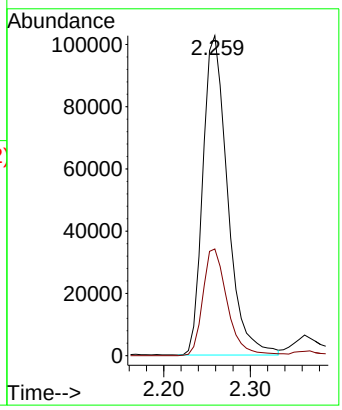


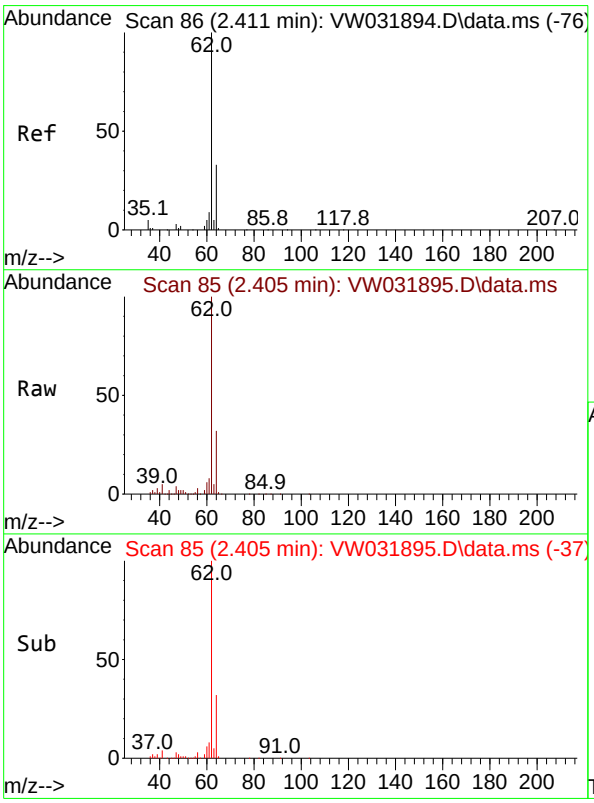
#3
Chloromethane
Concen: 96.326 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 203485

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5

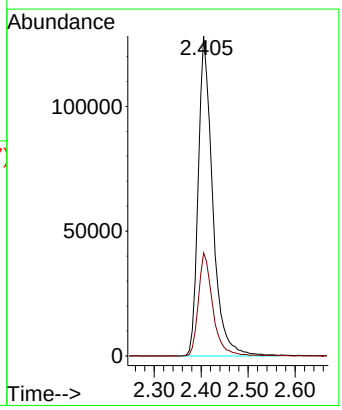


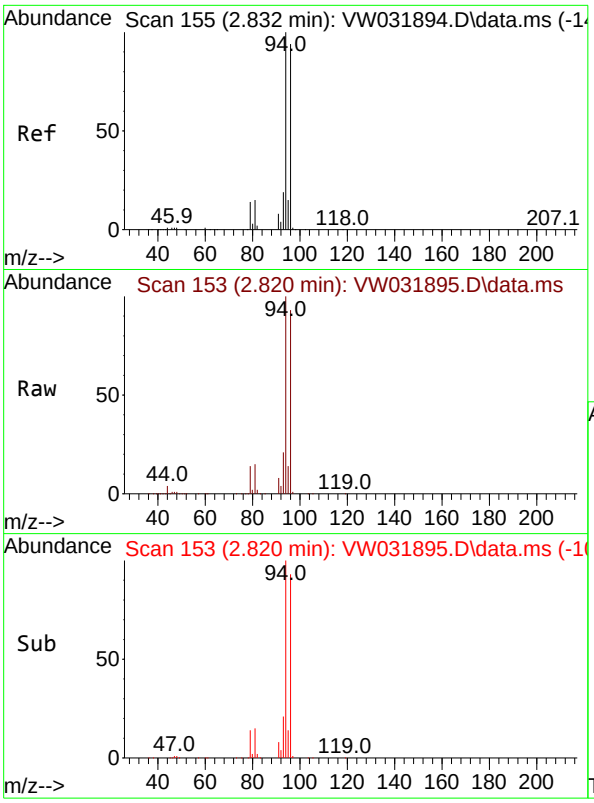


#4
Vinyl Chloride
Concen: 99.654 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 62 Resp: 273463

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.2



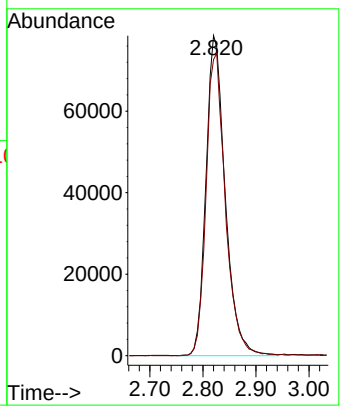


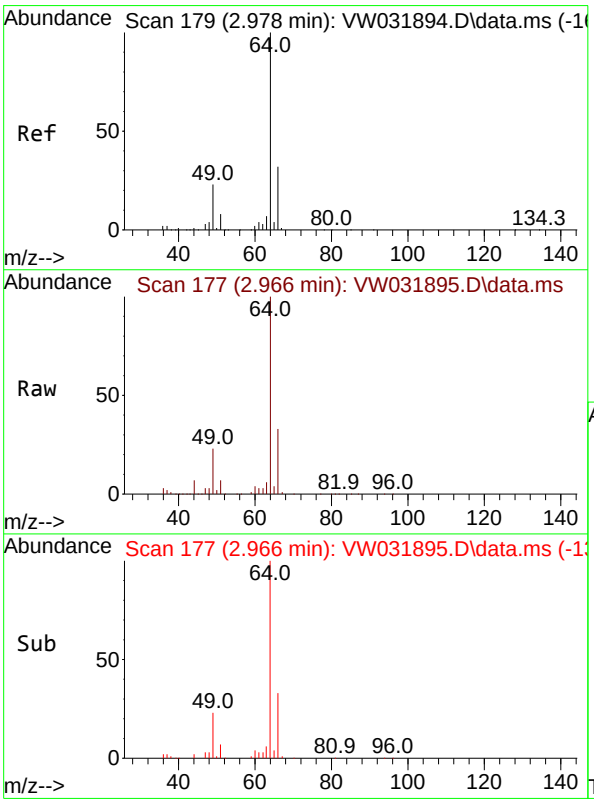
#5
Bromomethane
Concen: 98.226 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 198486

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.0	112.6

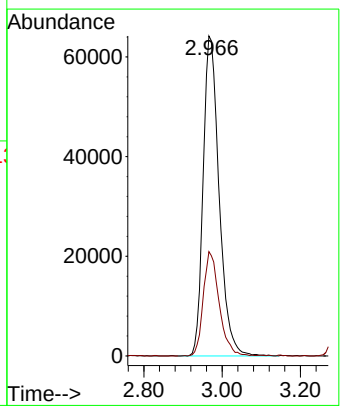


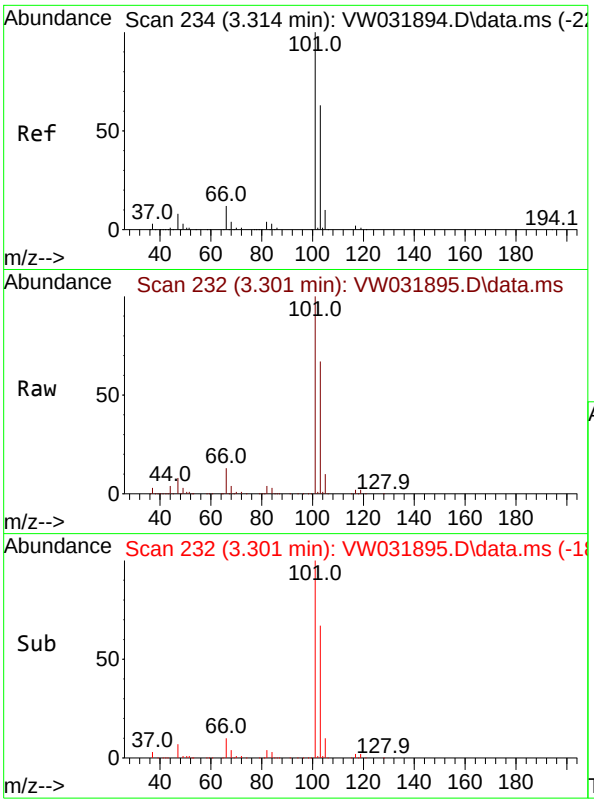


#6
Chloroethane
Concen: 100.126 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 64 Resp: 181340

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.6	38.4



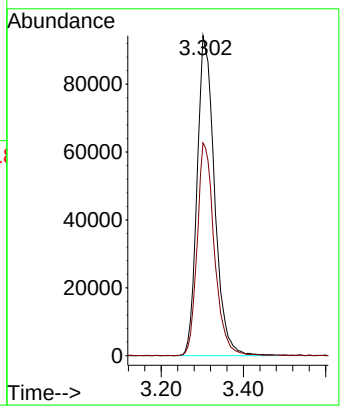


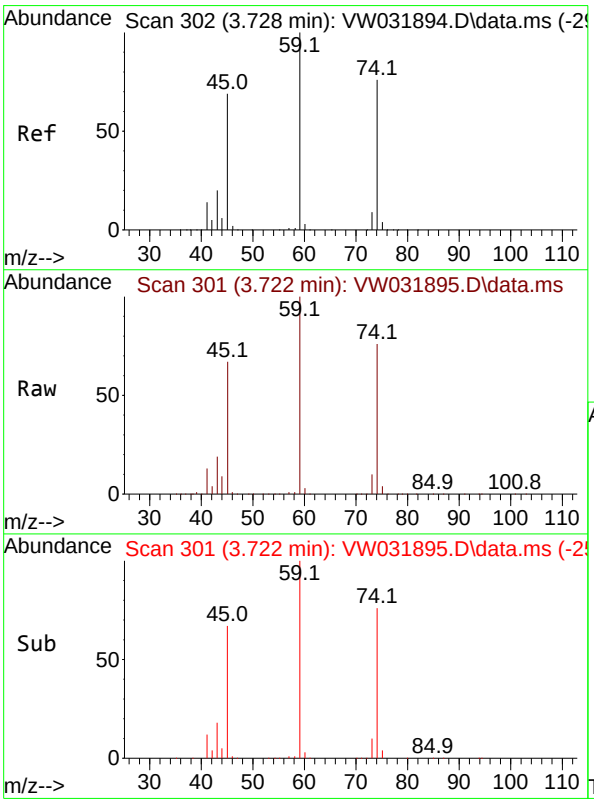
#7
Trichlorofluoromethane
Concen: 99.578 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 276765

Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.7	76.1

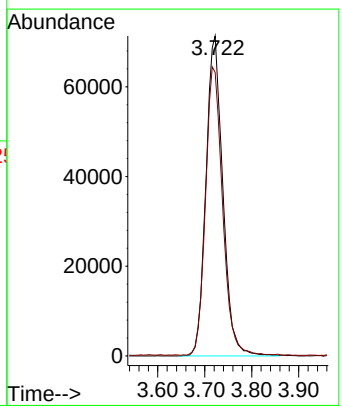


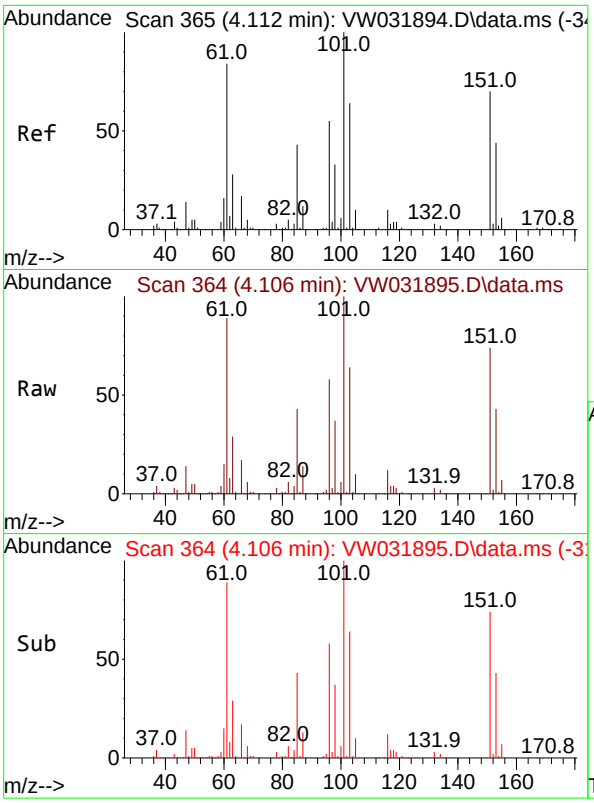


#8
Diethyl Ether
Concen: 95.572 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 74 Resp: 177440

Ion	Ratio	Lower	Upper
74	100		
45	91.3	45.5	136.5



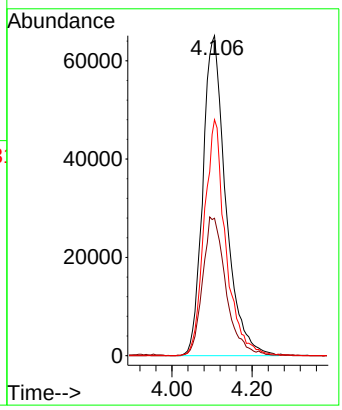


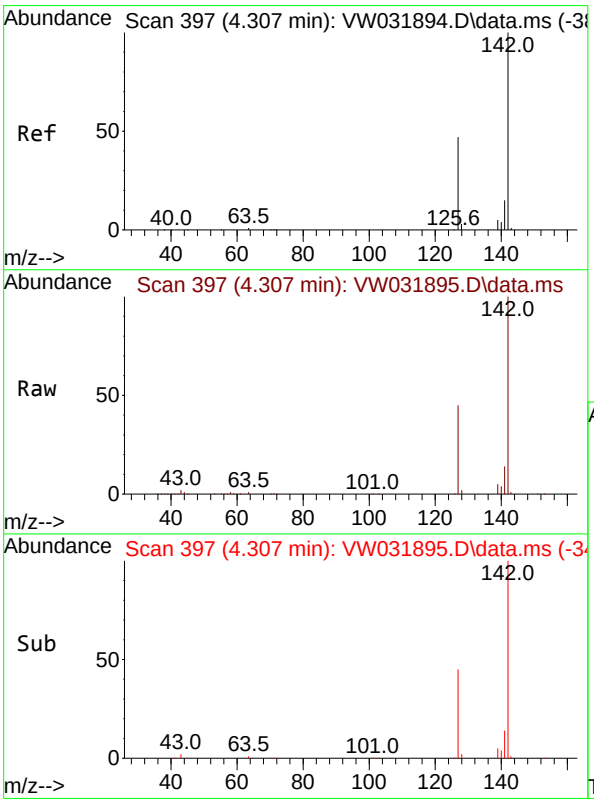
#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.675 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 258448

Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.5	53.3
151	69.2	54.6	81.8

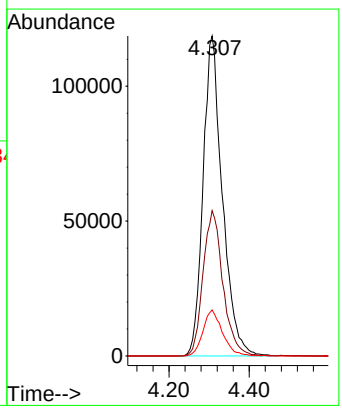


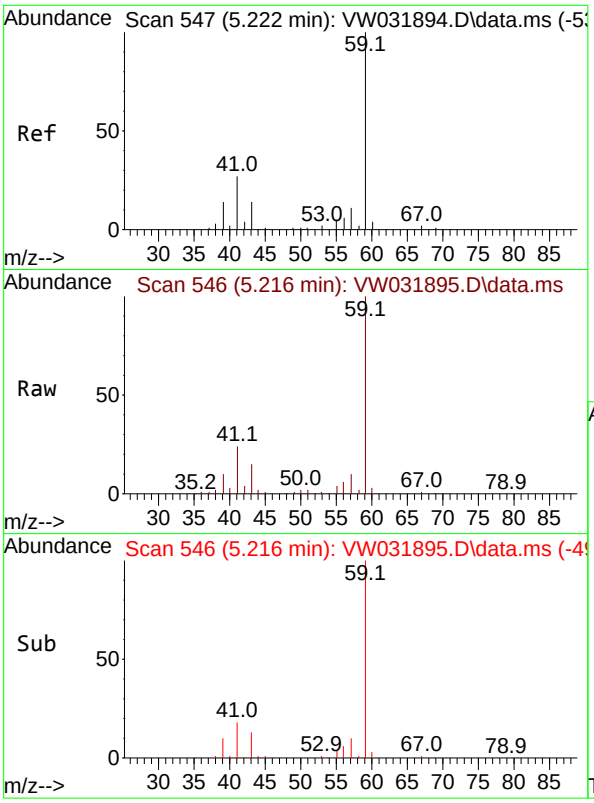


#10
Methyl Iodide
Concen: 99.264 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:142 Resp: 396765

Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.4	56.2
141	14.5	11.9	17.9



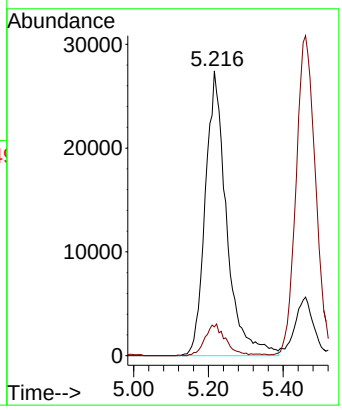


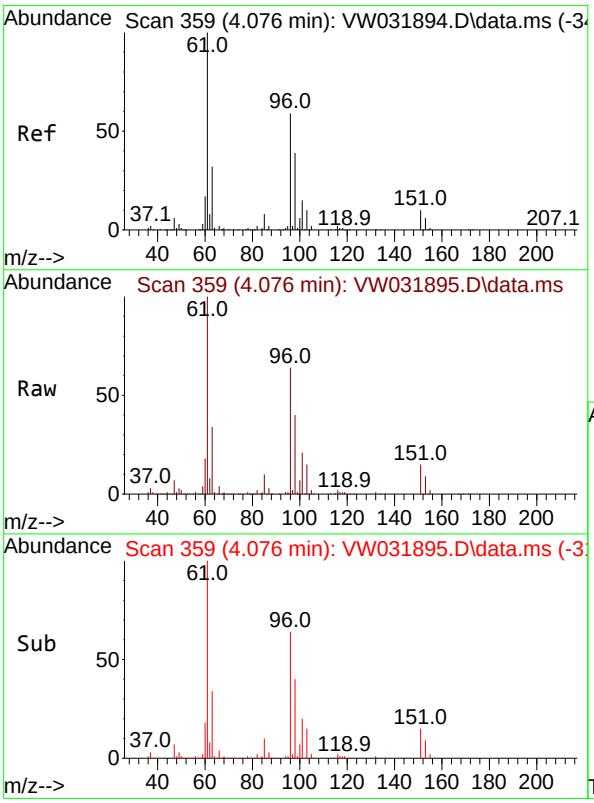
#11
Tert butyl alcohol
Concen: 549.558 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 108215

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

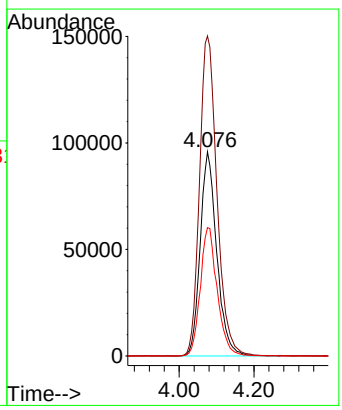


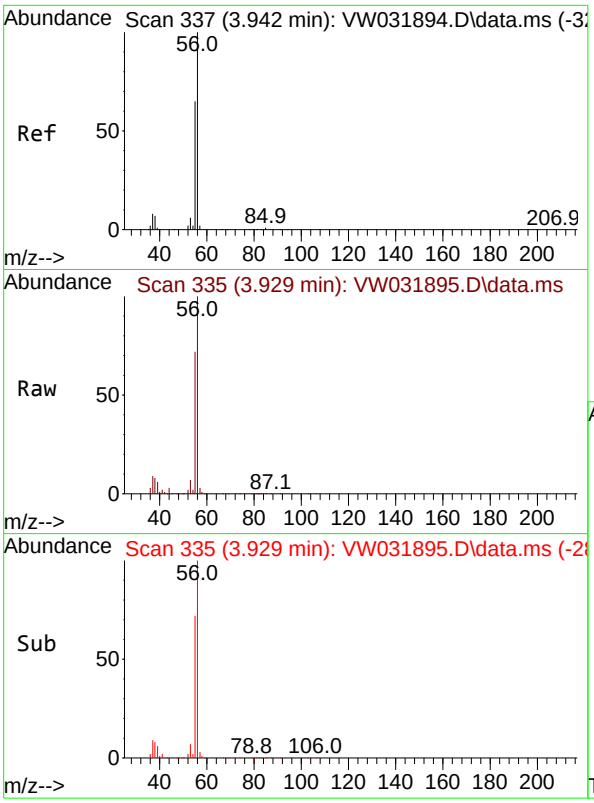


#12
1,1-Dichloroethene
Concen: 100.001 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 96 Resp: 295280

Ion	Ratio	Lower	Upper
96	100		
61	156.7	135.0	202.6
98	62.8	52.3	78.5



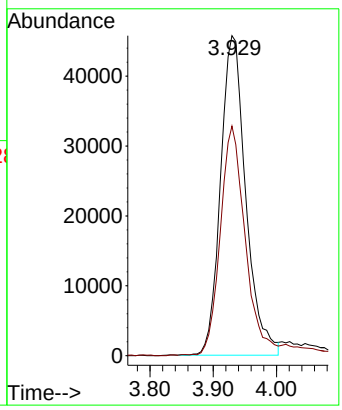


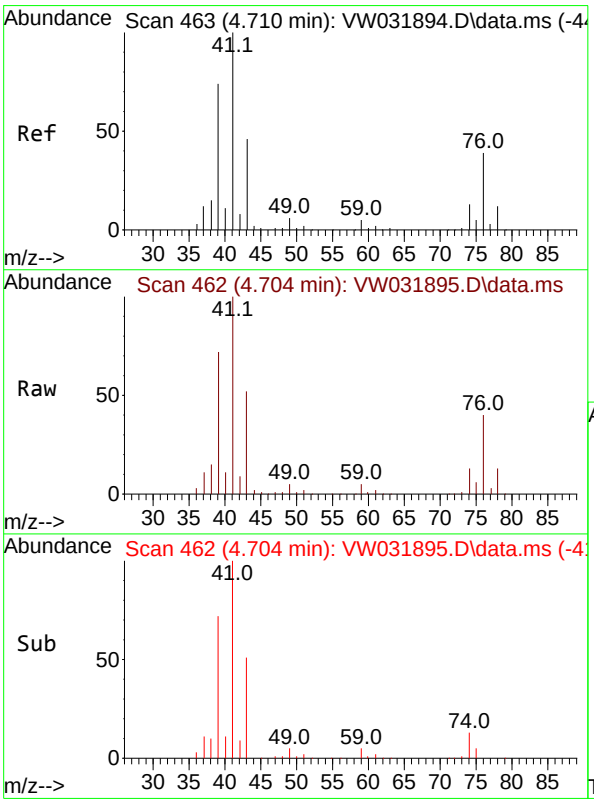
#13
Acrolein
Concen: 529.499 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 126741

Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.7	85.1

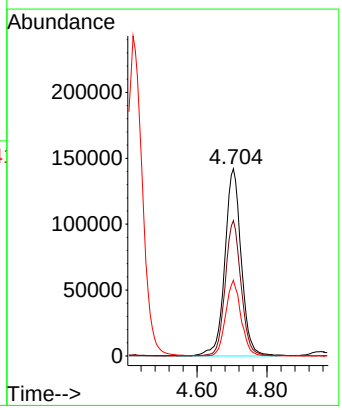


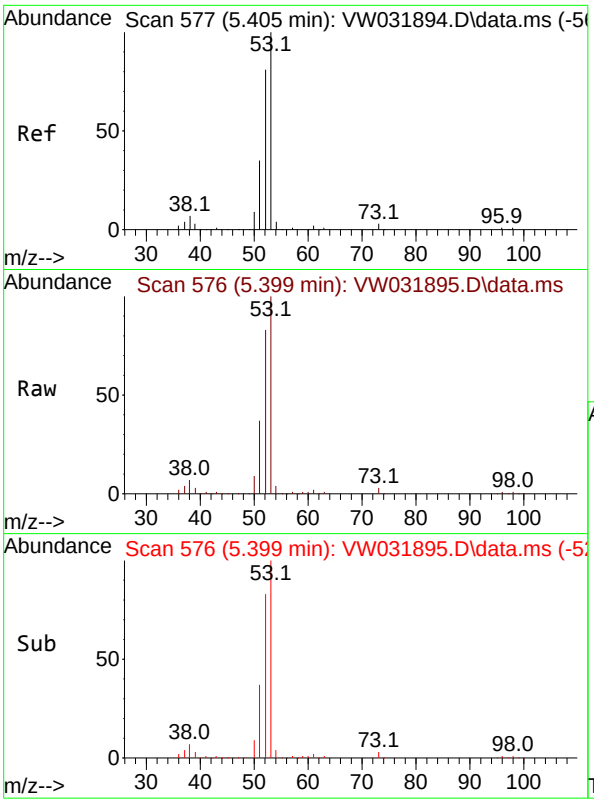


#14
Allyl chloride
Concen: 100.325 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 41 Resp: 461159

Ion	Ratio	Lower	Upper
41	100		
39	70.2	56.6	85.0
76	37.8	30.1	45.1



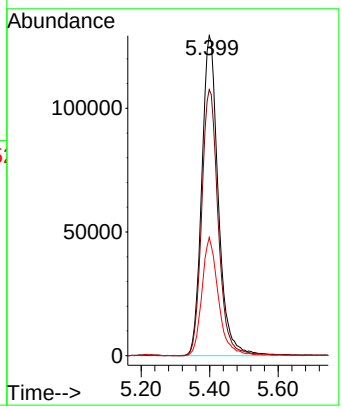


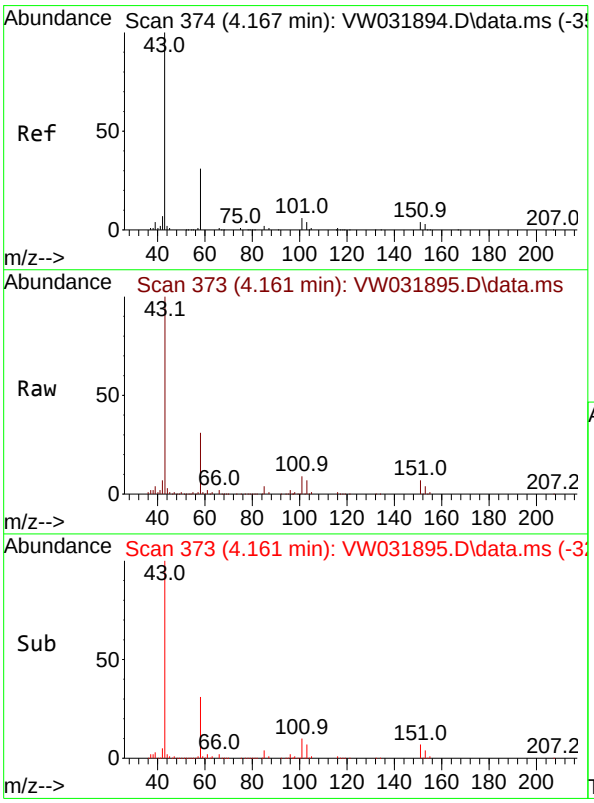
#15
Acrylonitrile
Concen: 523.190 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 434270

Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.0	100.4
51	36.9	29.9	44.9

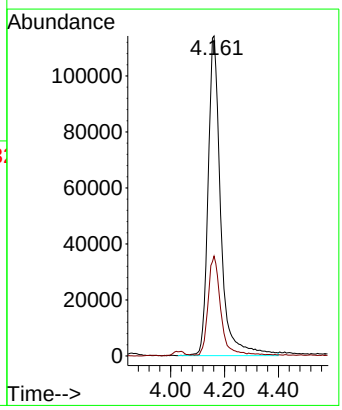


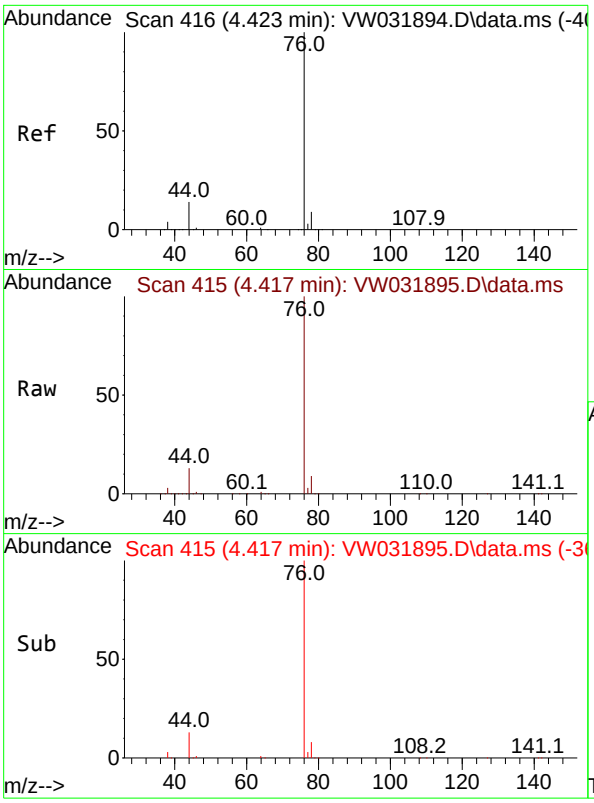


#16
Acetone
Concen: 468.167 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 372157

Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.5	38.3



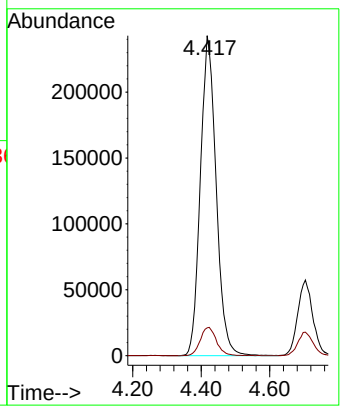


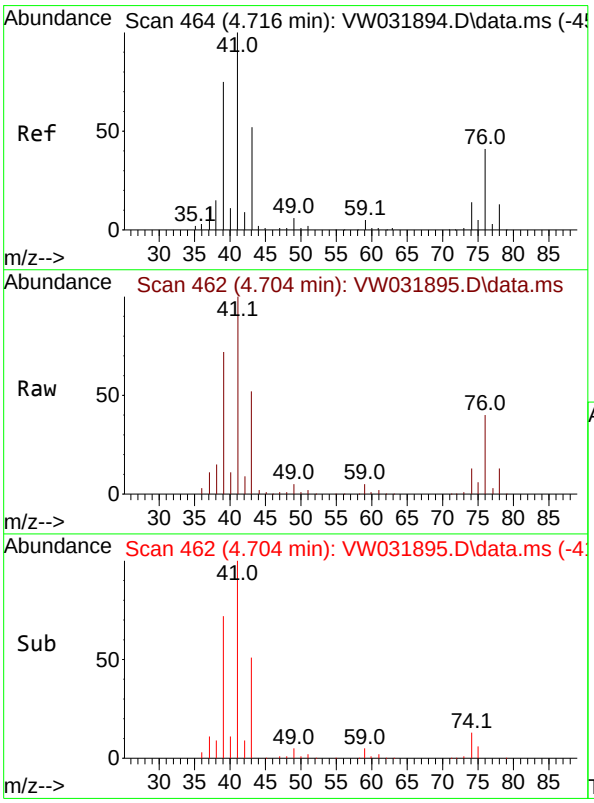
#17
Carbon Disulfide
Concen: 101.641 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 778367

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

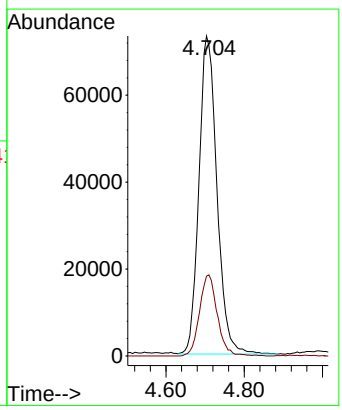


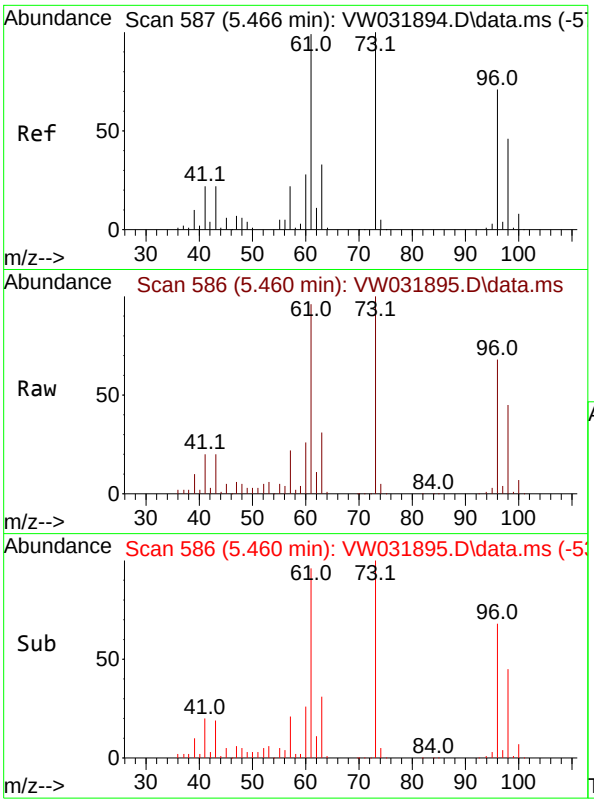


#18
Methyl Acetate
Concen: 106.673 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 233619

Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.6	31.0



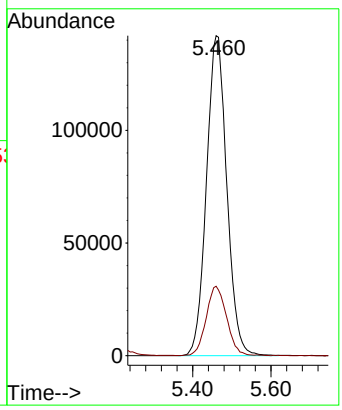


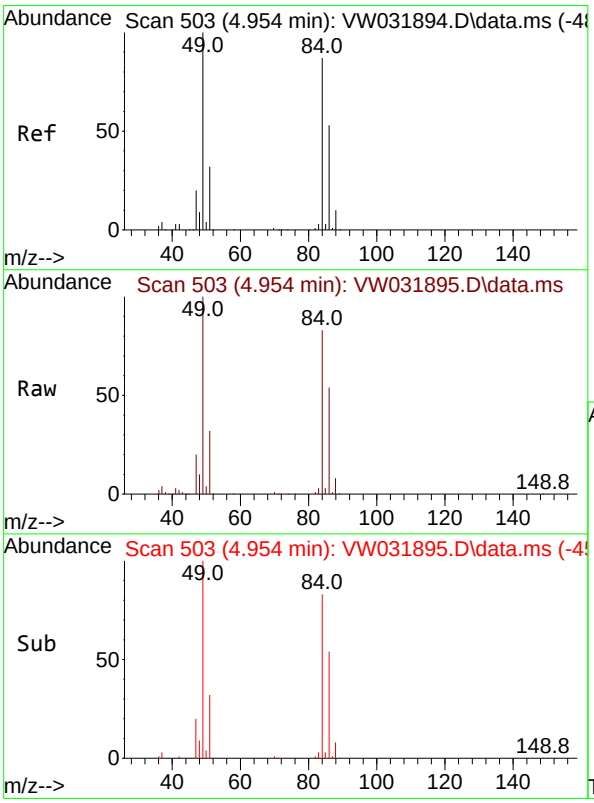
#19
Methyl tert-butyl Ether
Concen: 100.133 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 510872

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3

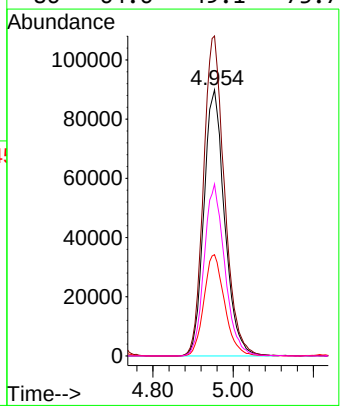


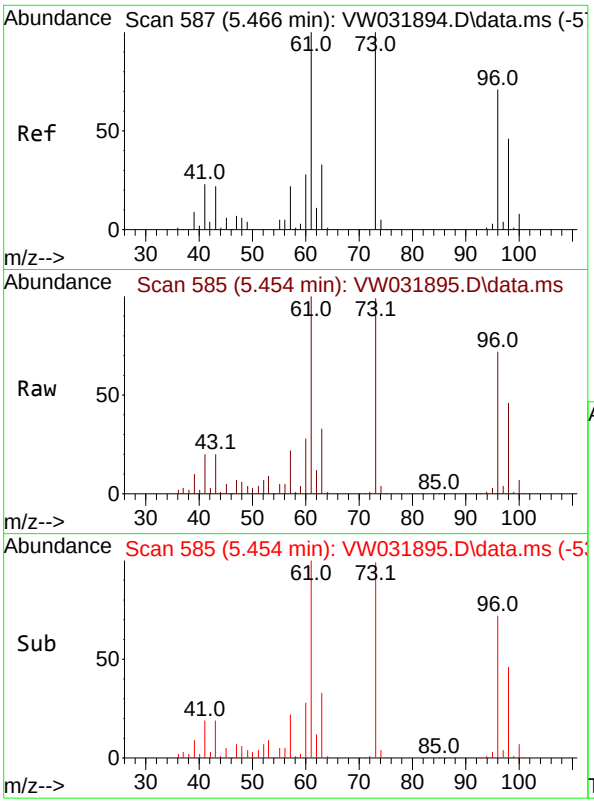


#20
Methylene Chloride
Concen: 99.782 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 84 Resp: 323479

Ion	Ratio	Lower	Upper
84	100		
49	120.2	91.9	137.9
51	38.1	29.0	43.6
86	64.6	49.1	73.7



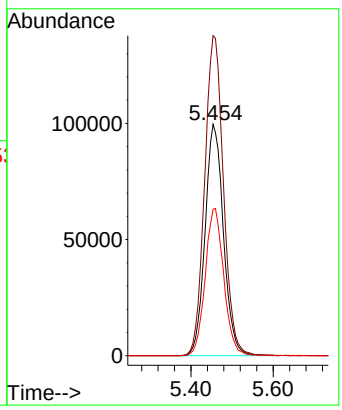


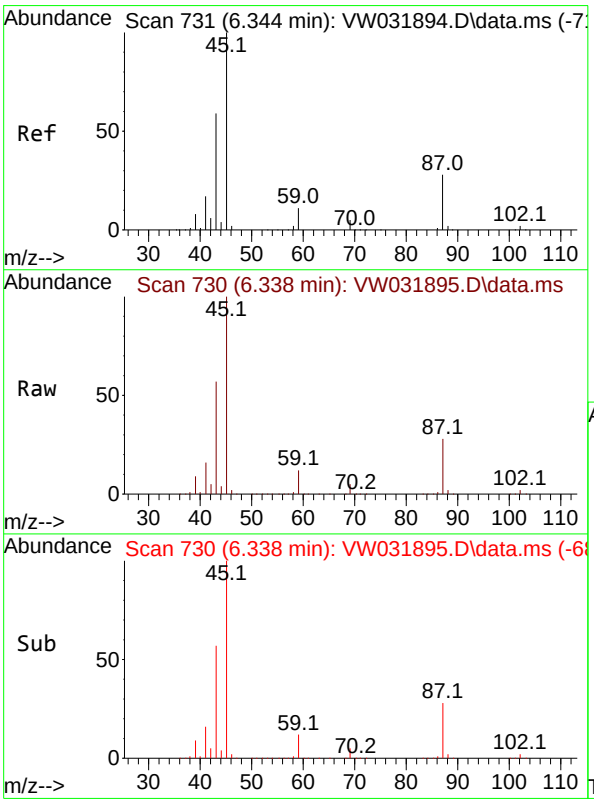
#21
trans-1,2-Dichloroethene
Concen: 98.792 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 309509

Ion	Ratio	Lower	Upper
96	100		
61	138.3	112.8	169.2
98	63.3	51.9	77.9

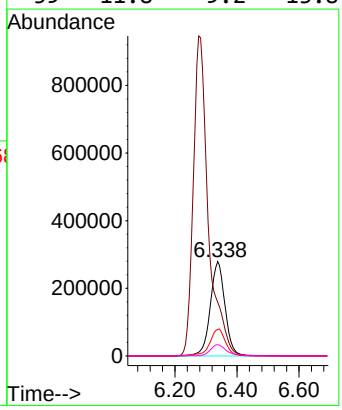


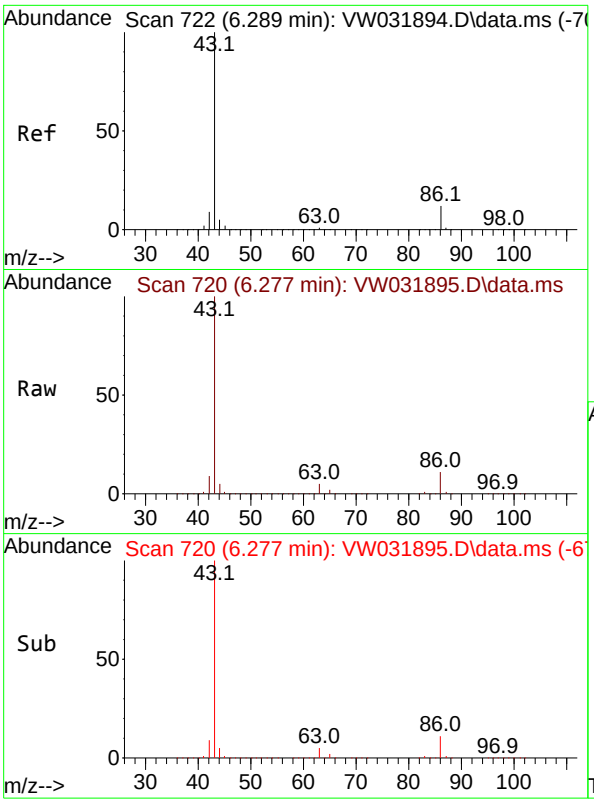


#22
Diisopropyl ether
Concen: 99.982 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 45 Resp: 919619

Ion	Ratio	Lower	Upper
45	100		
43	56.6	47.0	70.6
87	28.2	22.8	34.2
59	11.8	9.2	13.8



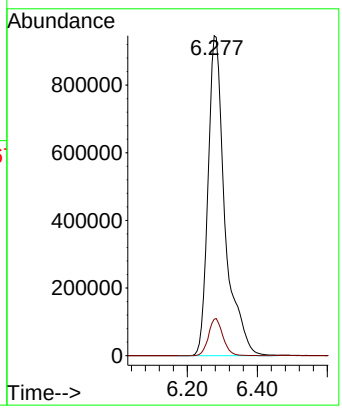


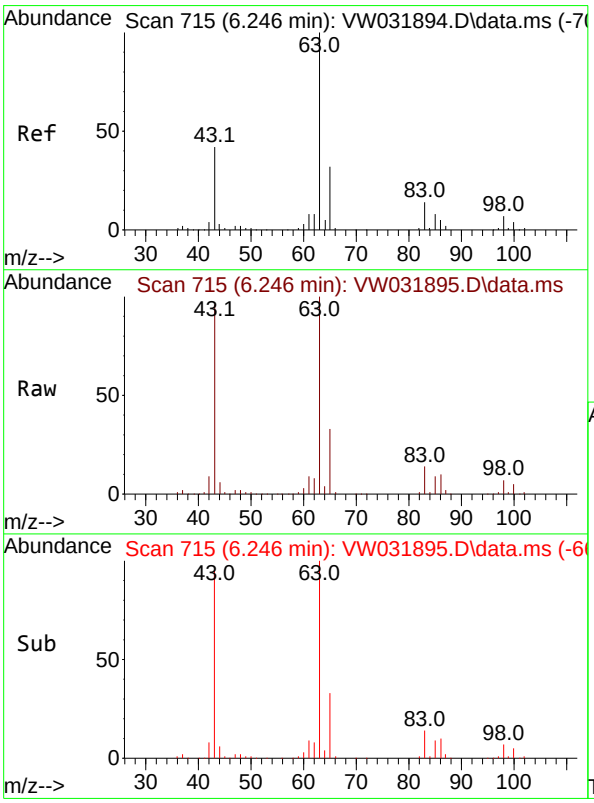
#23
Vinyl Acetate
Concen: 529.933 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3184428

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2

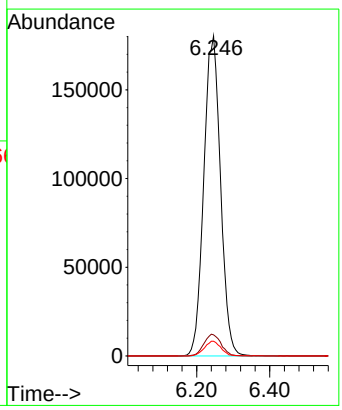


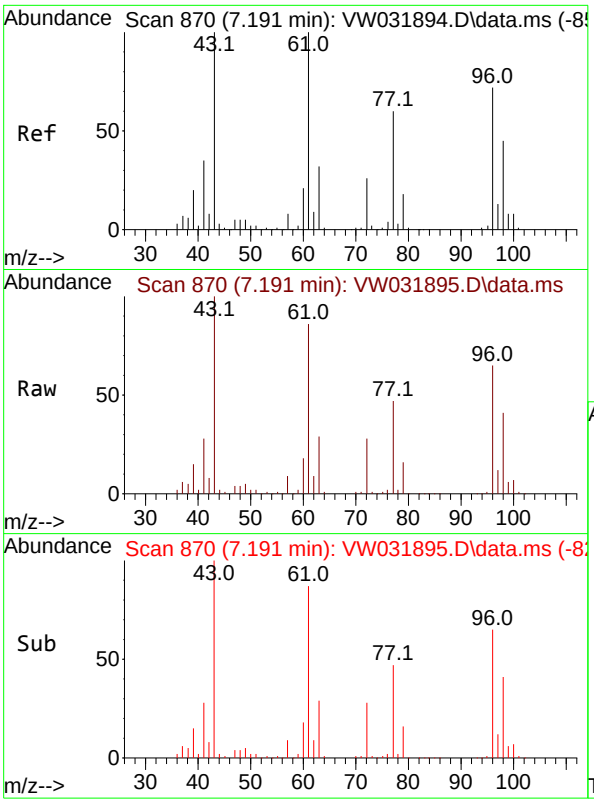


#24
1,1-Dichloroethane
Concen: 99.864 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 63 Resp: 571894

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.9
100	4.6	2.2	6.6



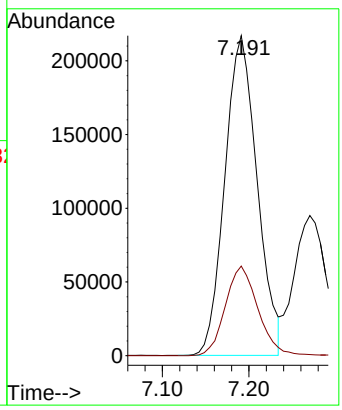


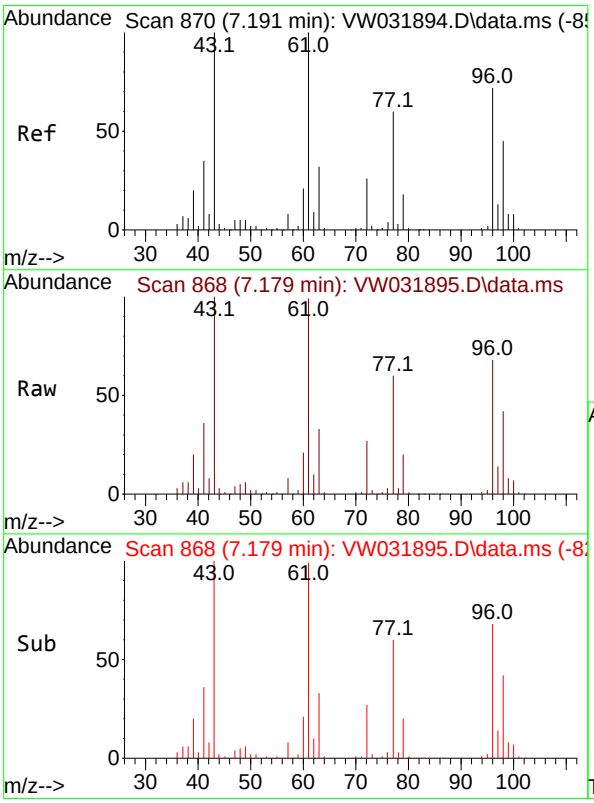
#25
2-Butanone
Concen: 517.723 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 563092

Ion	Ratio	Lower	Upper
43	100		
72	28.0	20.8	31.2

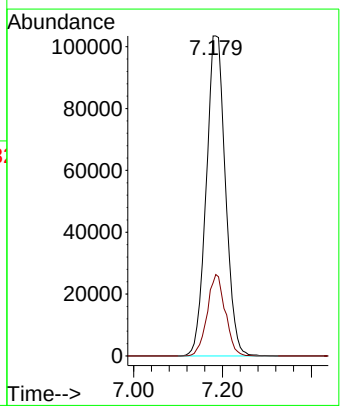


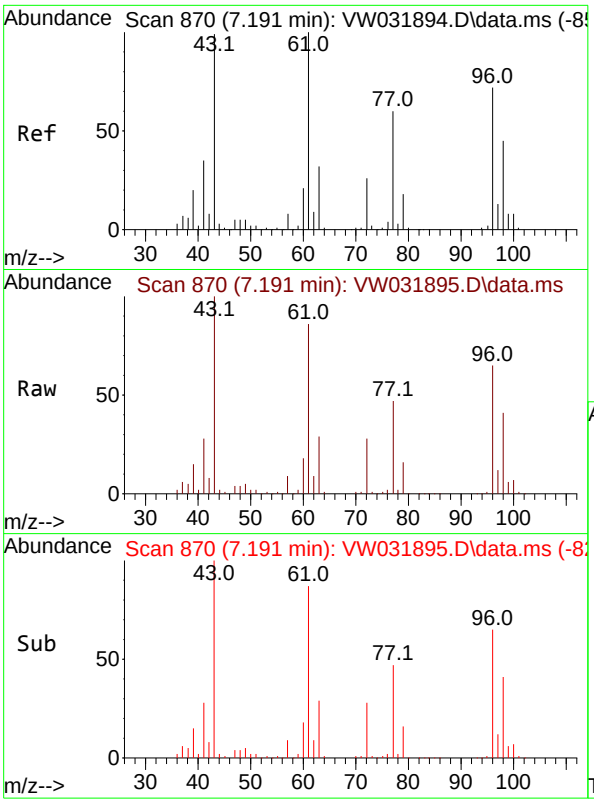


#26
2,2-Dichloropropane
Concen: 95.647 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 77 Resp: 310099

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.4	34.1



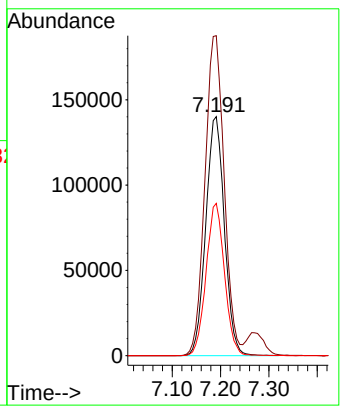


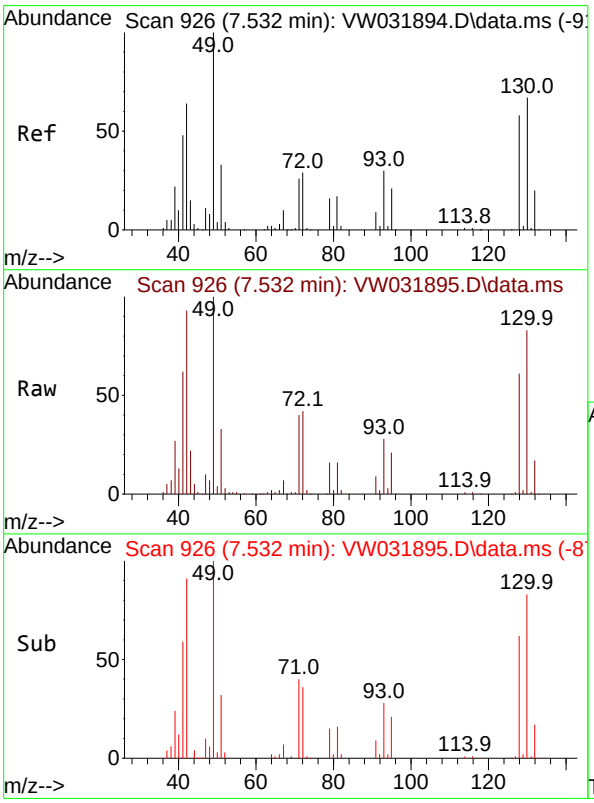
#27
cis-1,2-Dichloroethene
Concen: 101.755 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 374781

Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.2
98	63.1	0.0	126.8

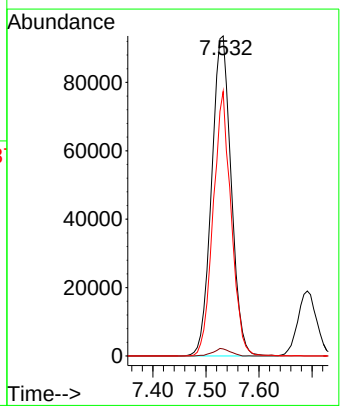


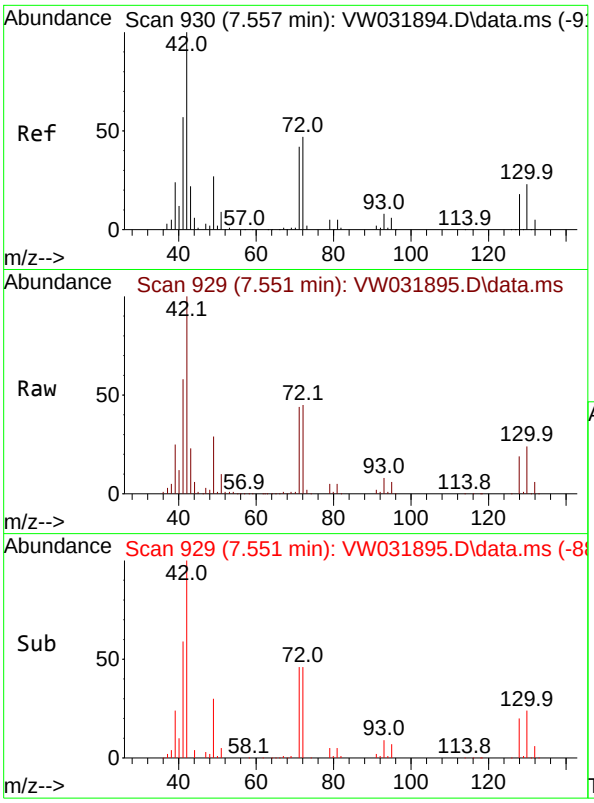


#28
Bromochloromethane
Concen: 100.070 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 49 Resp: 239942

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	75.8	59.0	88.4



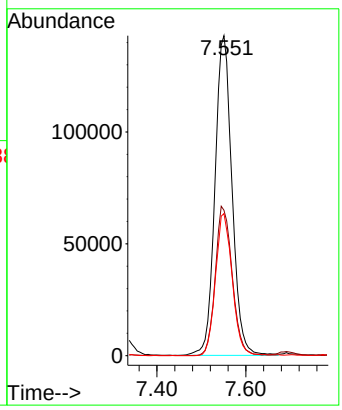


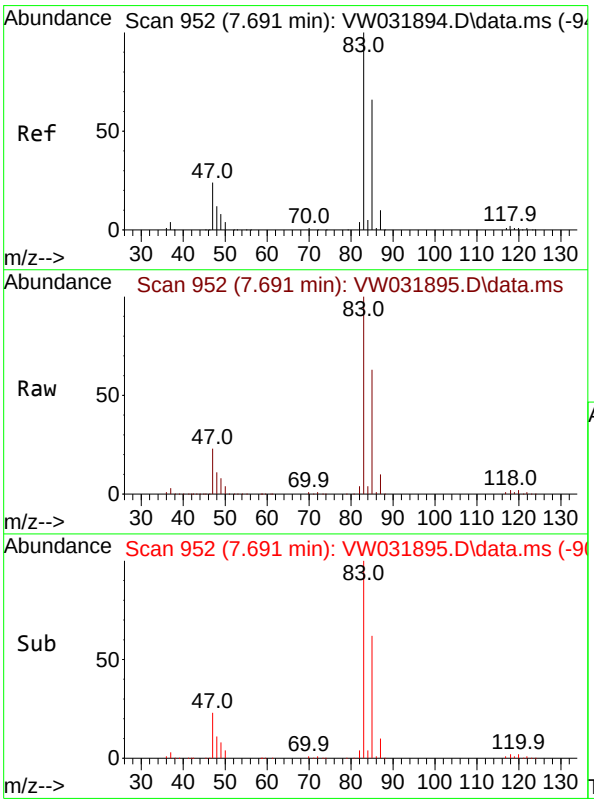
#29
Tetrahydrofuran
Concen: 532.985 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 380062

Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.6
71	43.6	34.5	51.7

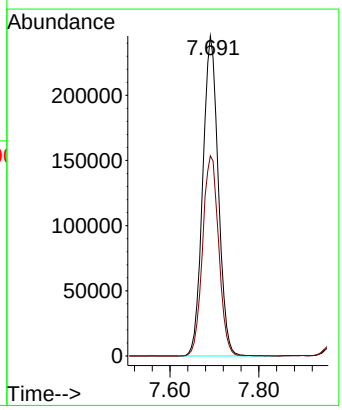


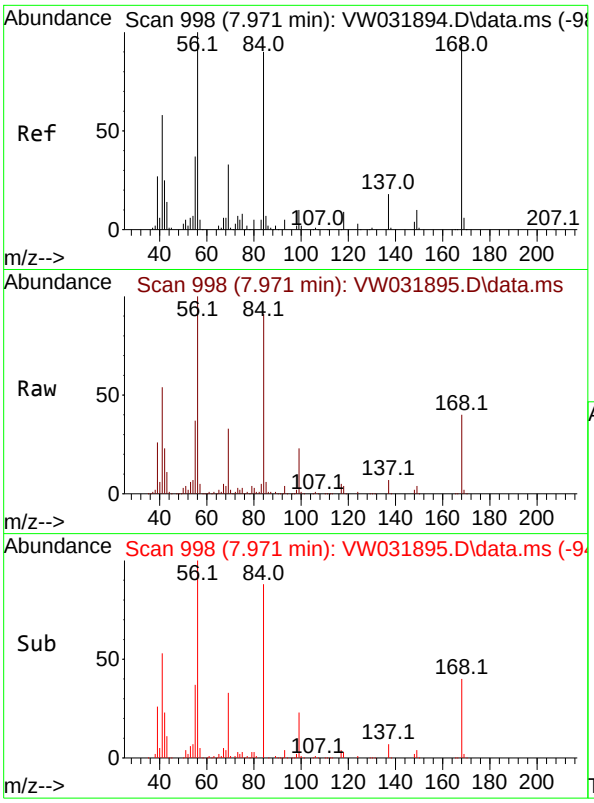


#30
Chloroform
Concen: 99.456 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 83 Resp: 597178

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.6	78.8



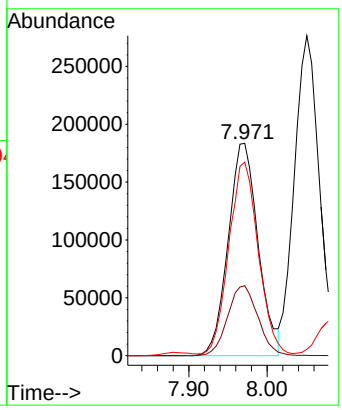


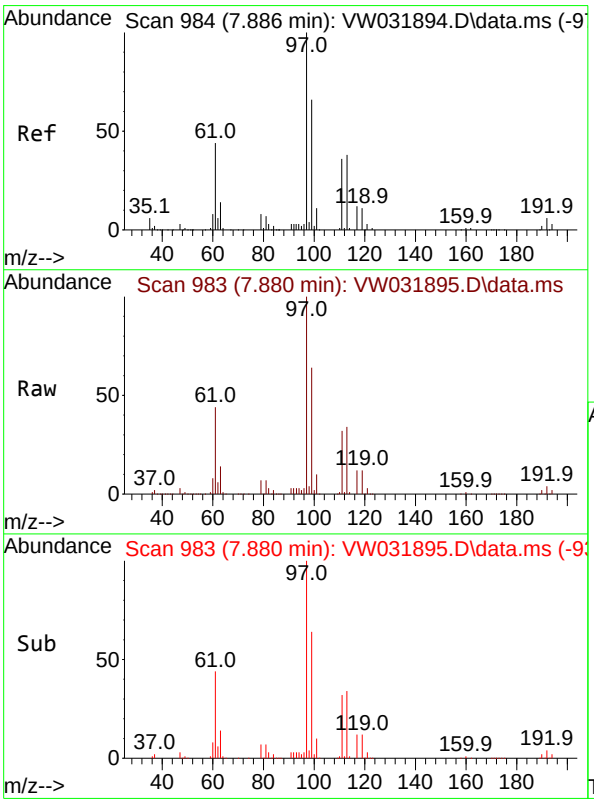
#31
Cyclohexane
Concen: 94.861 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 487369

Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.7	40.1
84	89.7	71.8	107.6

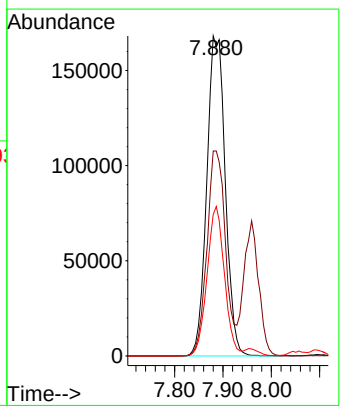


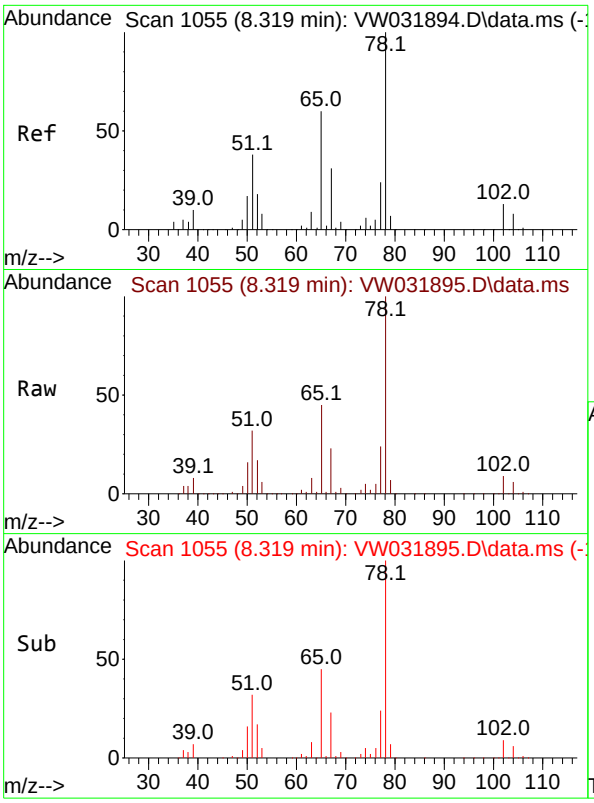


#32
1,1,1-Trichloroethane
Concen: 97.836 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 97 Resp: 447021

Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.0	79.4
61	44.1	35.4	53.0



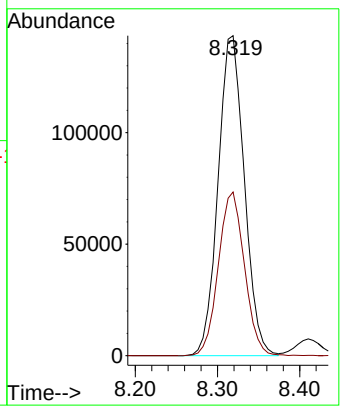


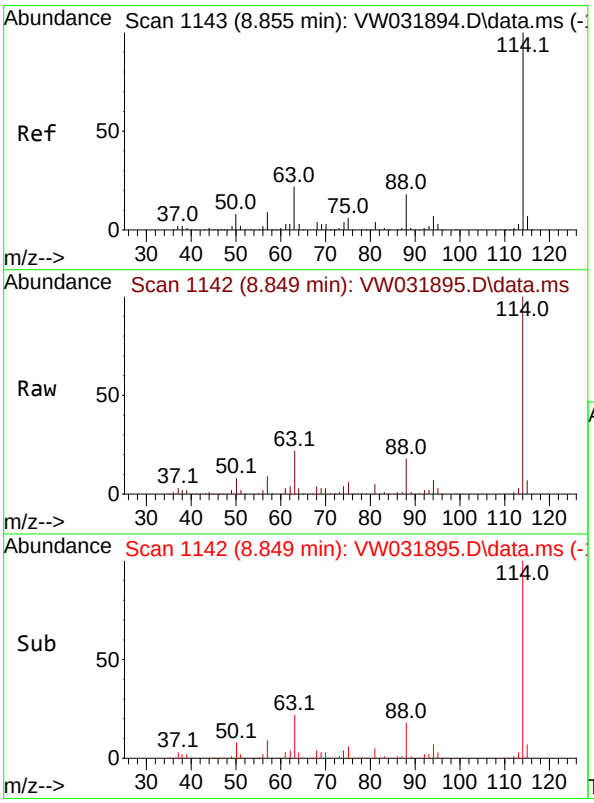
#33
1,2-Dichloroethane-d4
Concen: 94.854 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 317755

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.4

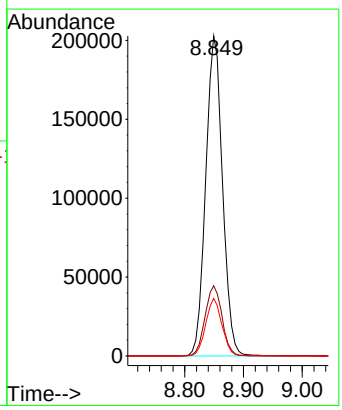


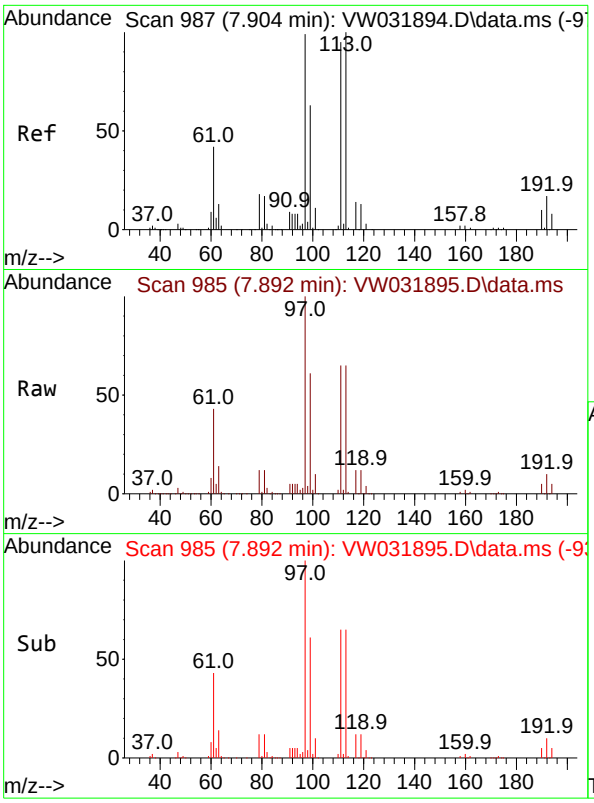


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:114 Resp: 402410

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.2
88	18.0	0.0	35.6



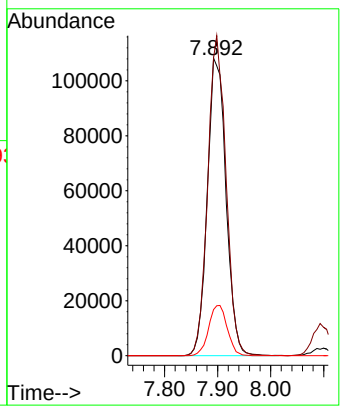


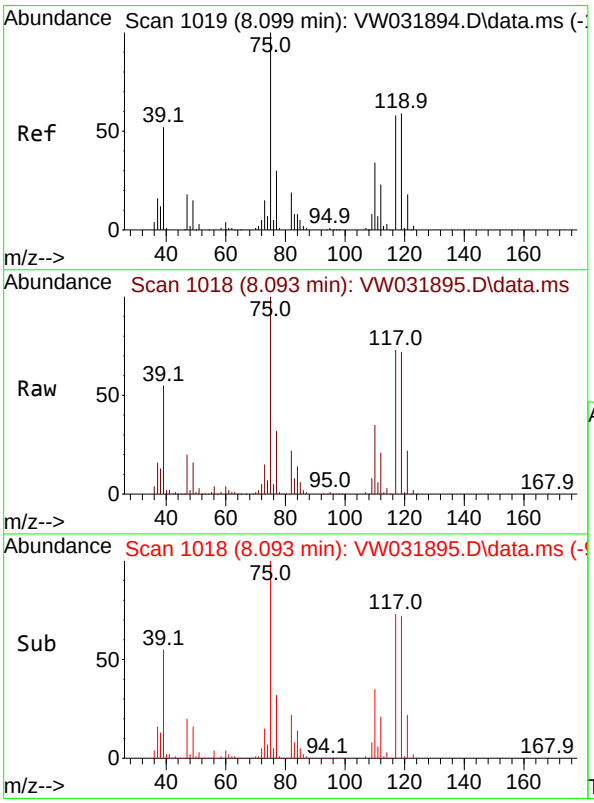
#35
Dibromofluoromethane
Concen: 97.216 ug/l
RT: 7.892 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 265829

Ion	Ratio	Lower	Upper
113	100		
111	104.8	79.9	119.9
192	16.7	12.6	19.0

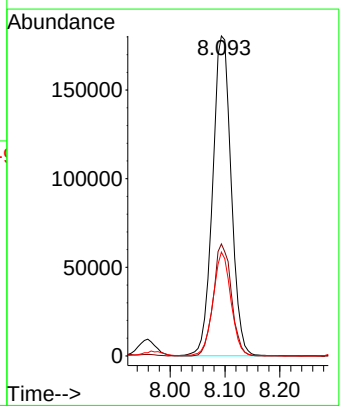


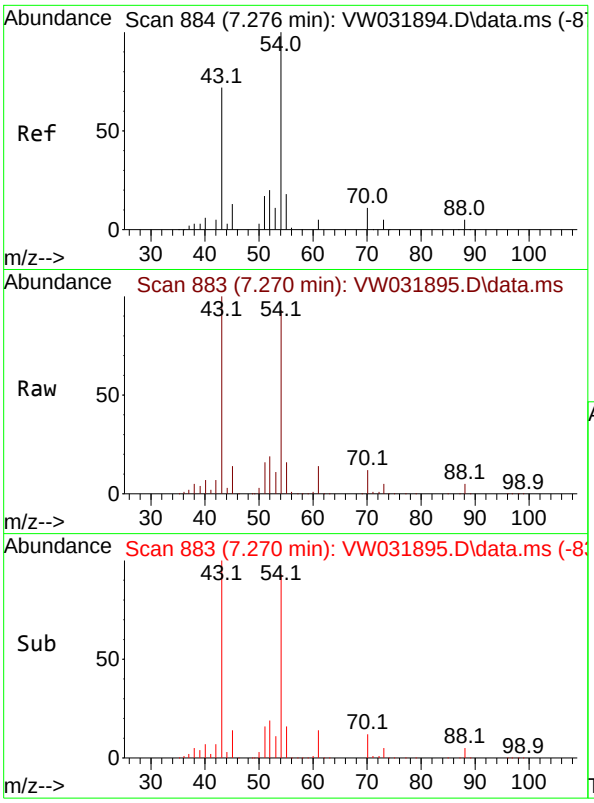


#36
1,1-Dichloropropene
Concen: 101.012 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 424179

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	31.5	25.1	37.7



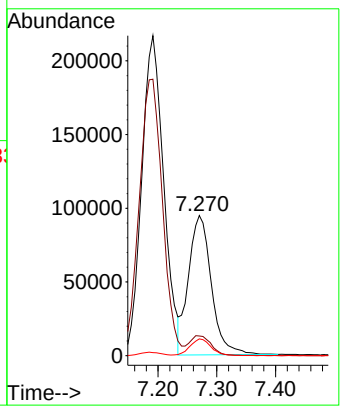


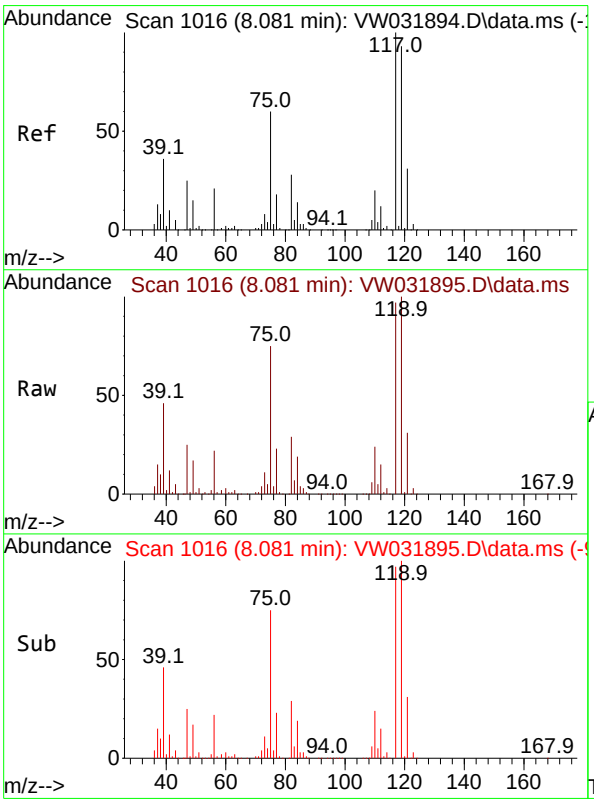
#37
Ethyl Acetate
Concen: 106.793 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 255825

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.1	9.0	13.4

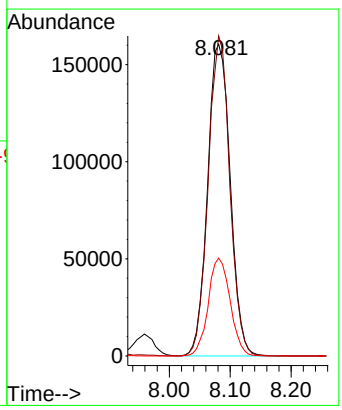


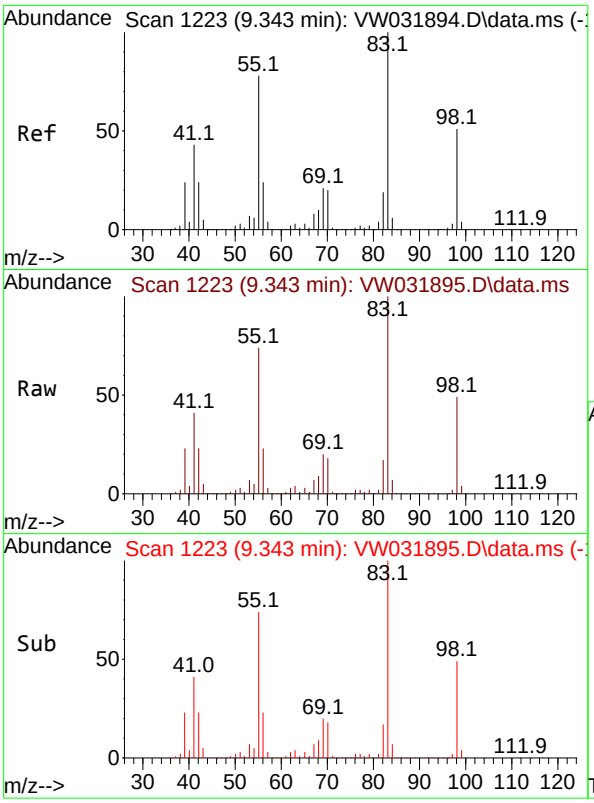


#38
Carbon Tetrachloride
Concen: 103.155 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:117 Resp: 415729

Ion	Ratio	Lower	Upper
117	100		
119	102.7	74.3	111.5
121	31.4	24.6	37.0



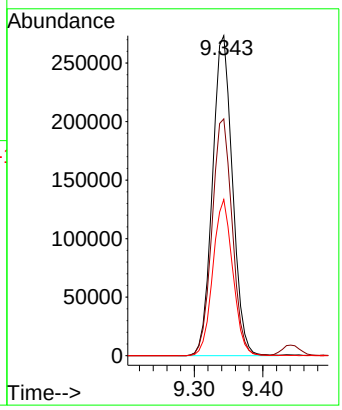


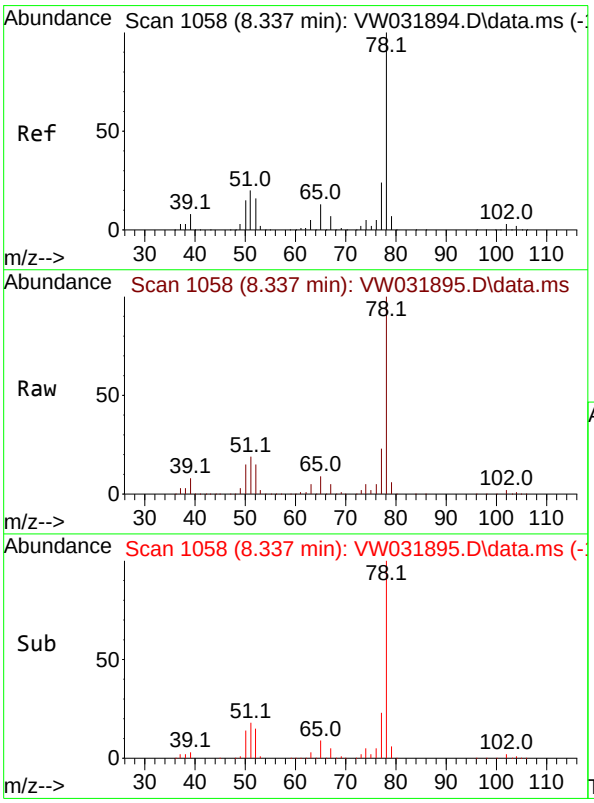
#39
Methylcyclohexane
Concen: 105.017 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 554981

Ion	Ratio	Lower	Upper
83	100		
55	74.0	62.5	93.7
98	48.8	40.6	61.0

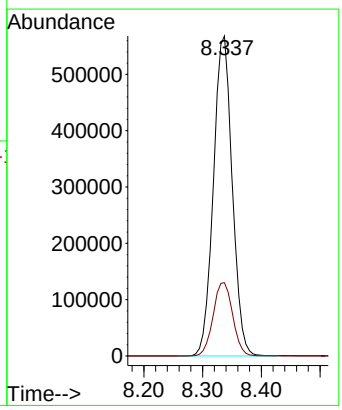


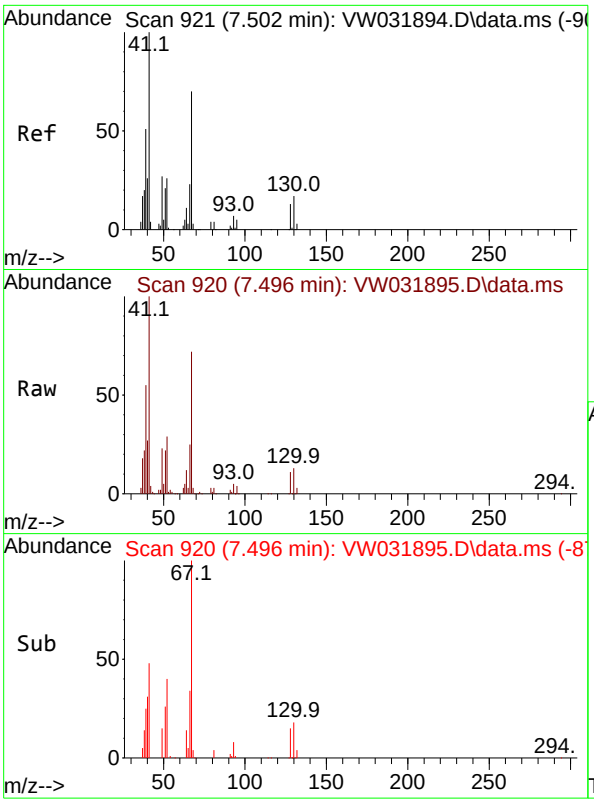


#40
Benzene
Concen: 101.554 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 78 Resp: 1262395

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9



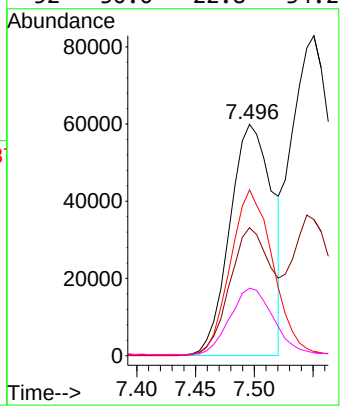


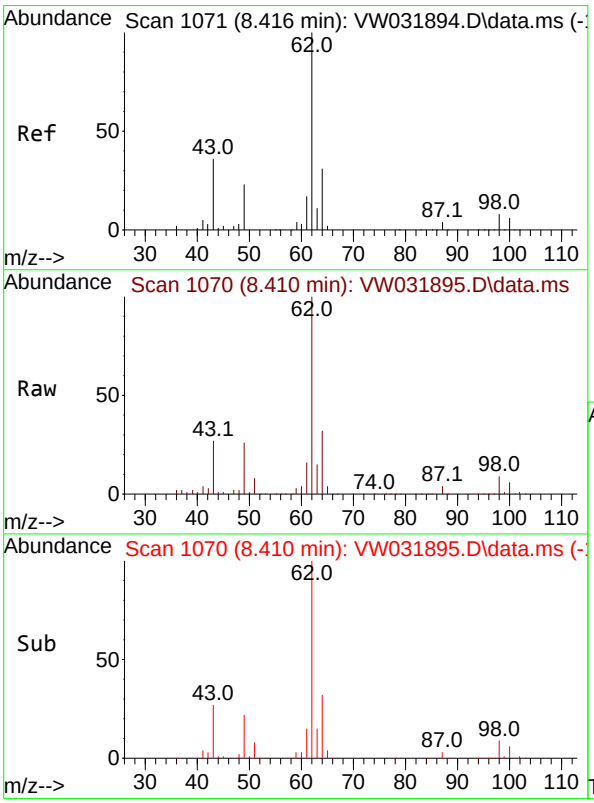
#41
Methacrylonitrile
Concen: 107.383 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 151519

Ion	Ratio	Lower	Upper
41	100		
39	53.7	41.1	61.7
67	72.2	56.2	84.4
52	30.0	22.8	34.2

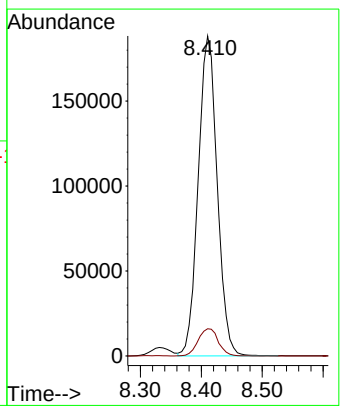


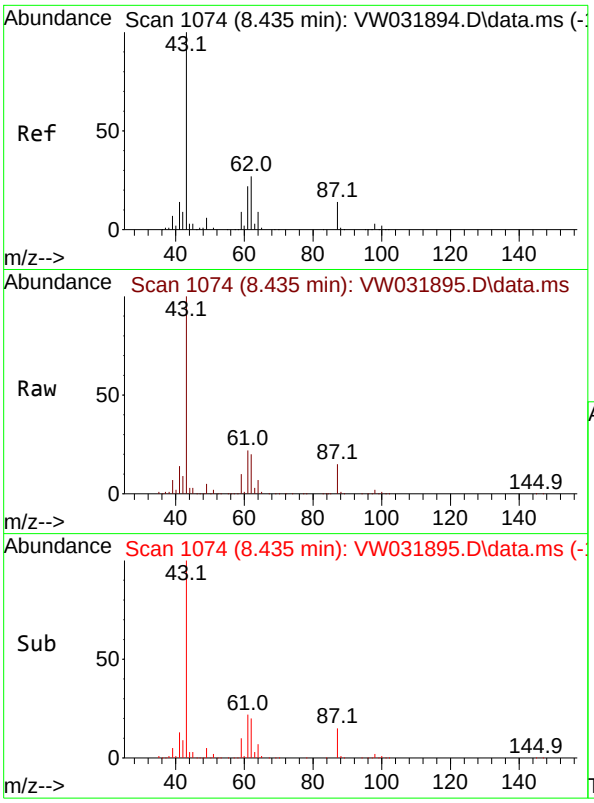


#42
1,2-Dichloroethane
Concen: 102.578 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 62 Resp: 408100

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



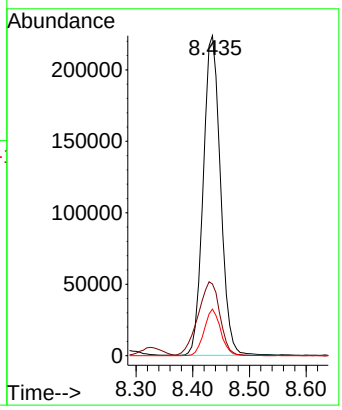


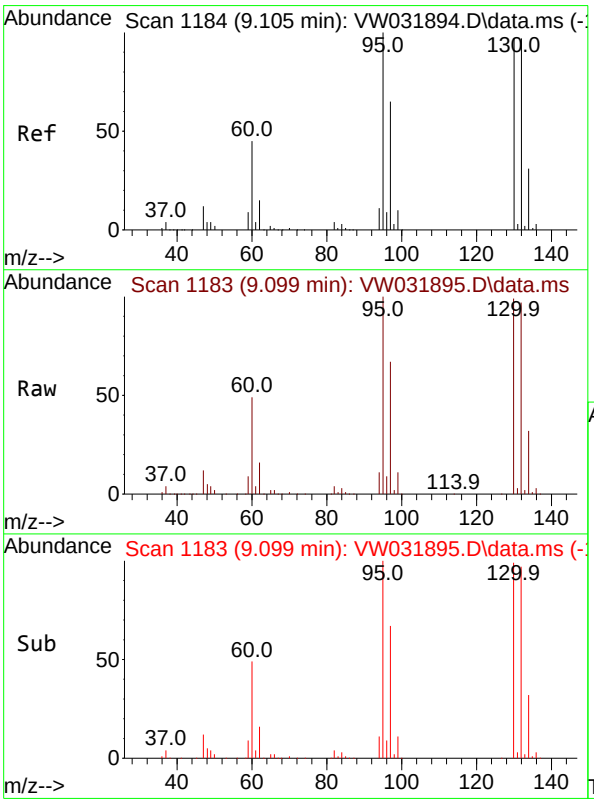
#43
Isopropyl Acetate
Concen: 109.315 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 474069

Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.0	36.0
87	14.0	11.1	16.7

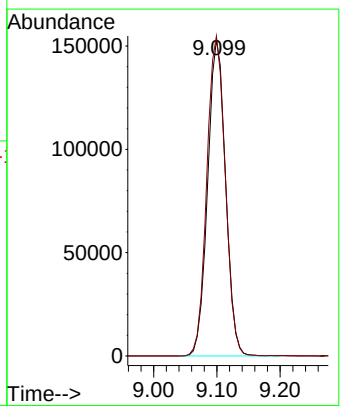


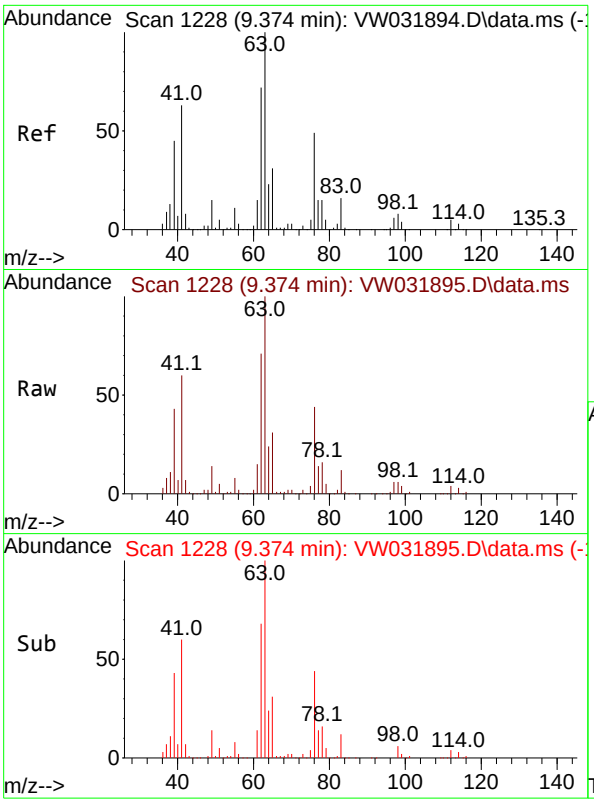


#44
Trichloroethene
Concen: 102.011 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:130 Resp: 301416

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	206.4



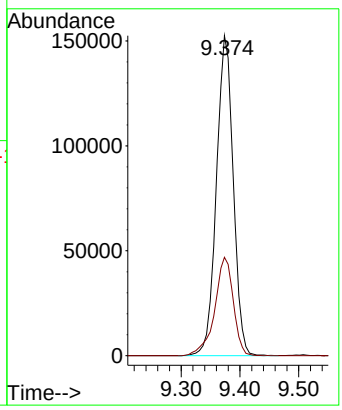


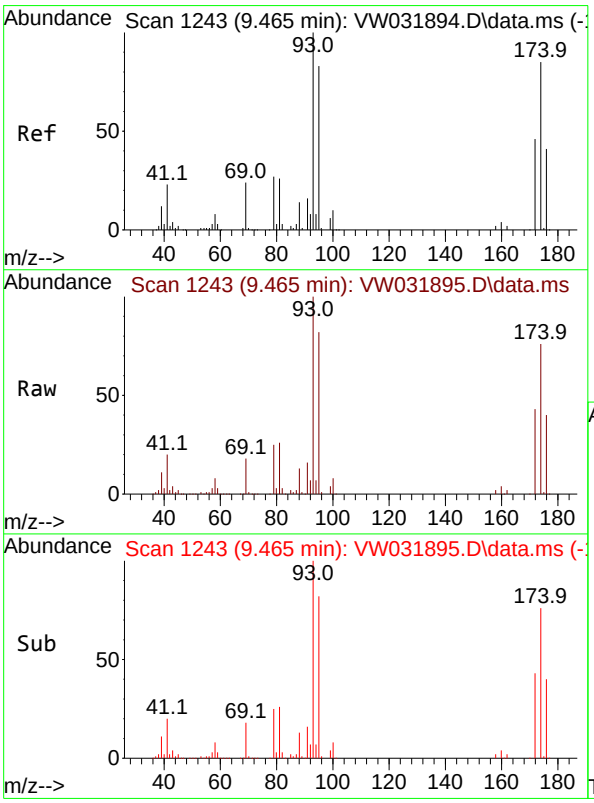
#45
1,2-Dichloropropane
Concen: 101.282 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 303214

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4

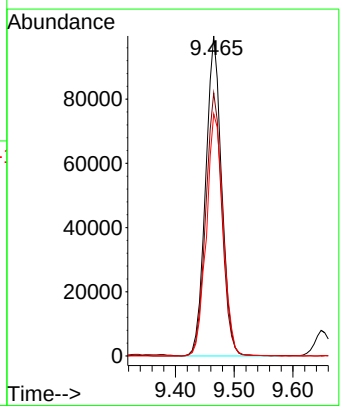


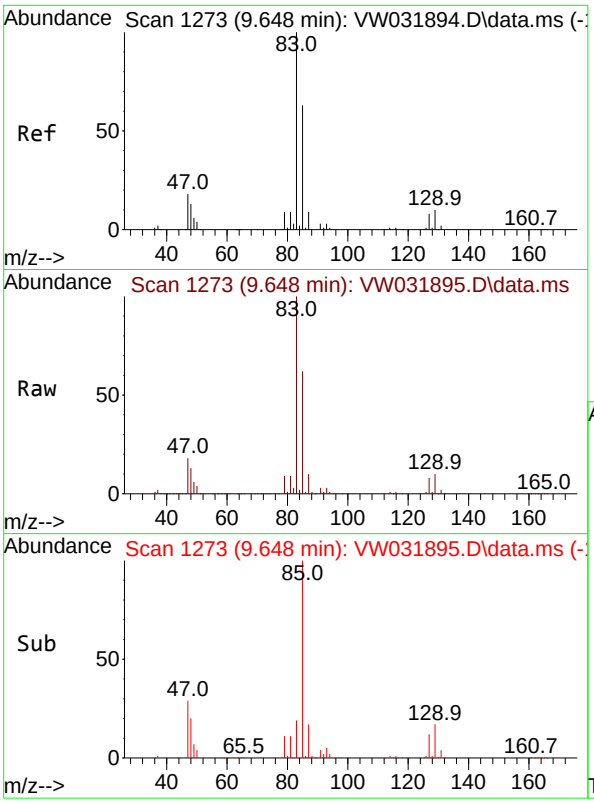


#46
Dibromomethane
Concen: 102.141 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 93 Resp: 189553

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	79.0	70.2	105.2



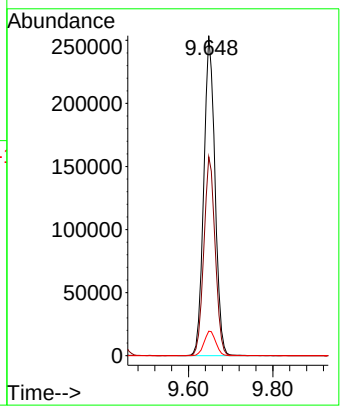


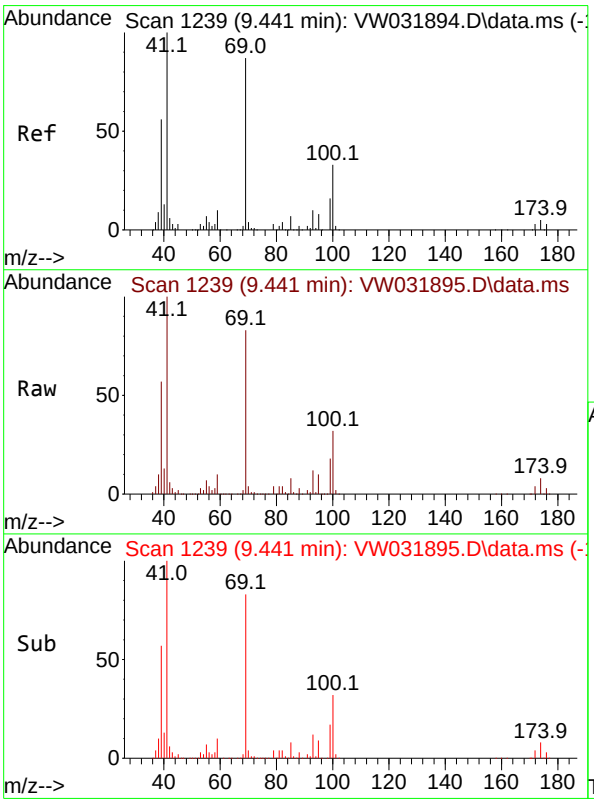
#47
Bromodichloromethane
Concen: 105.344 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 468786

Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.6	76.0
127	7.7	6.5	9.7

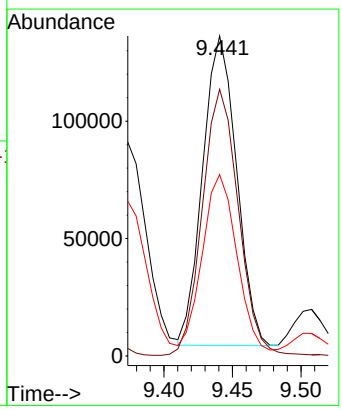


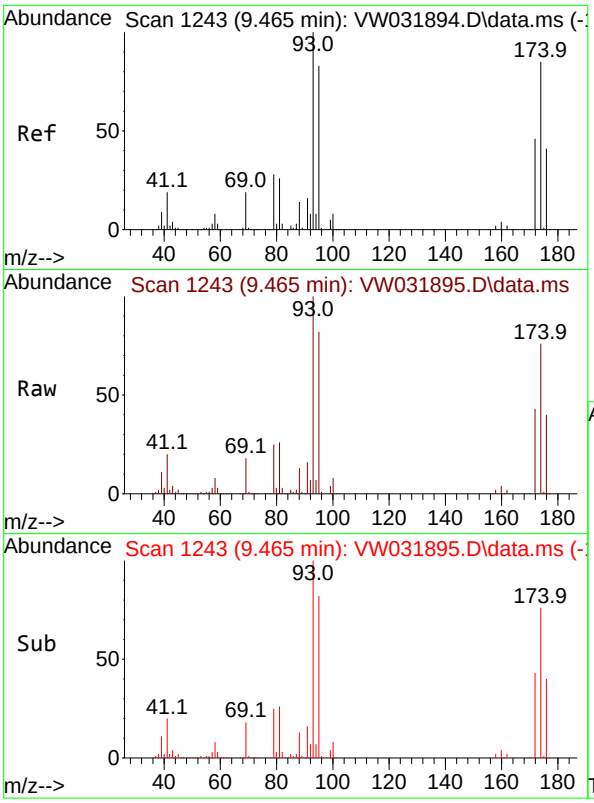


#48
Methyl methacrylate
Concen: 109.767 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 41 Resp: 226471

Ion	Ratio	Lower	Upper
41	100		
69	92.1	73.6	110.4
39	56.6	45.5	68.3



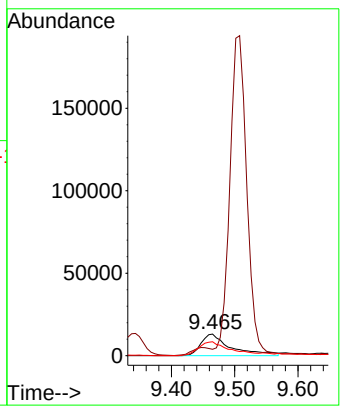


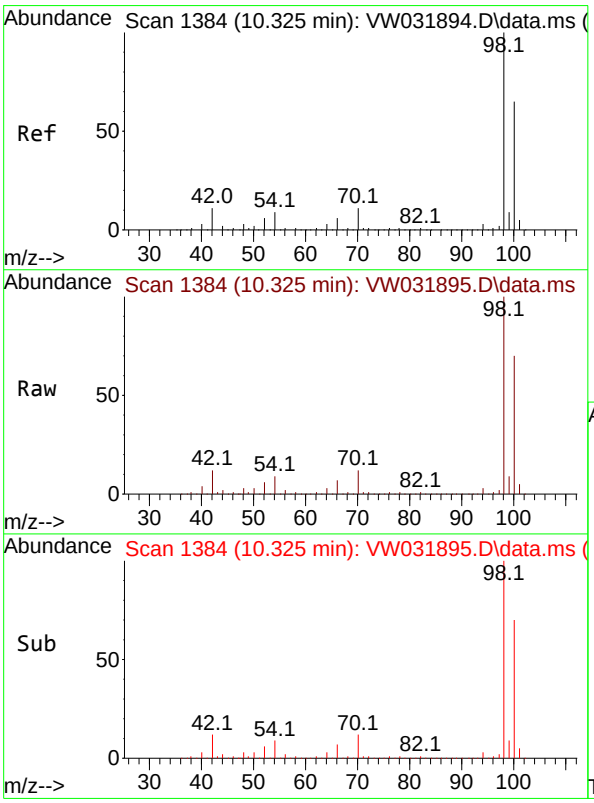
#49
1,4-Dioxane
Concen: 2323.819 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 43032

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	67.7	58.2	87.2

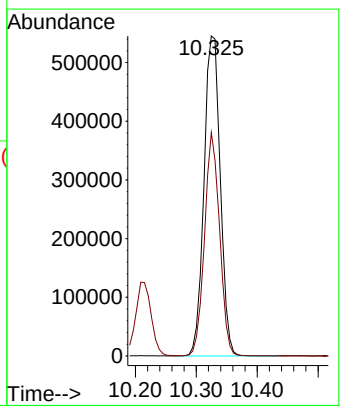


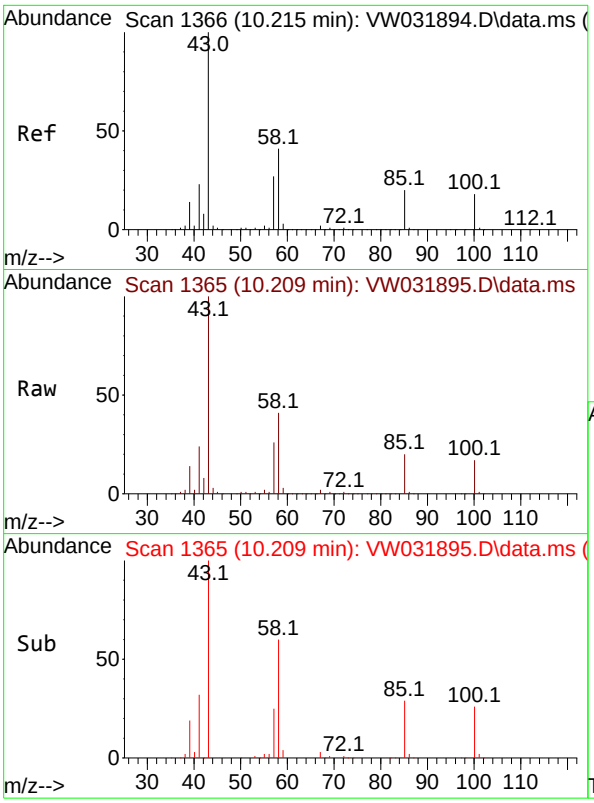


#50
Toluene-d8
Concen: 97.904 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 98 Resp: 1013207

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



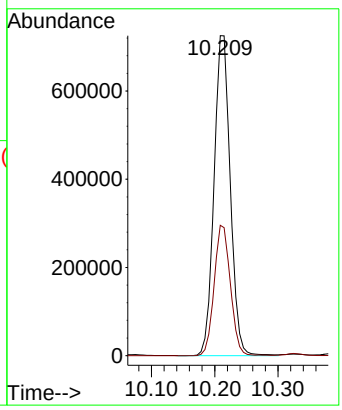


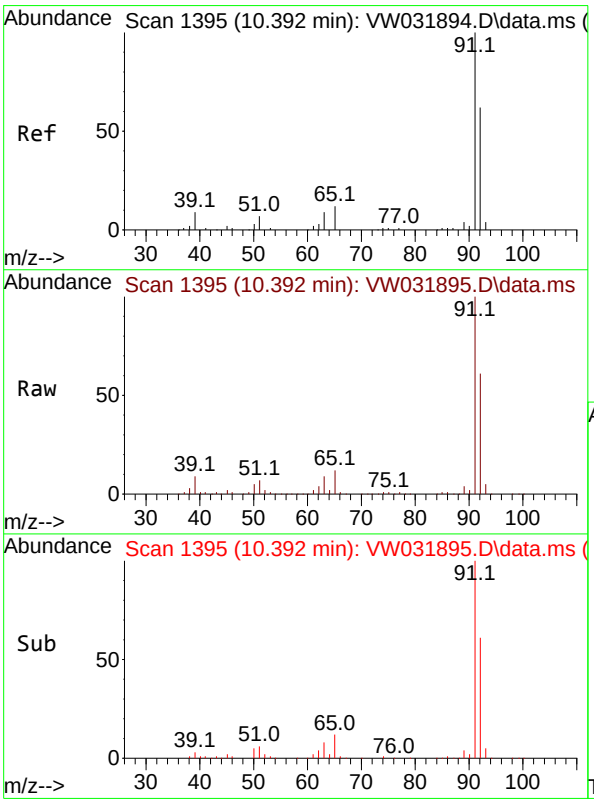
#51
4-Methyl-2-Pentanone
Concen: 542.828 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1288323

Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.8	49.2

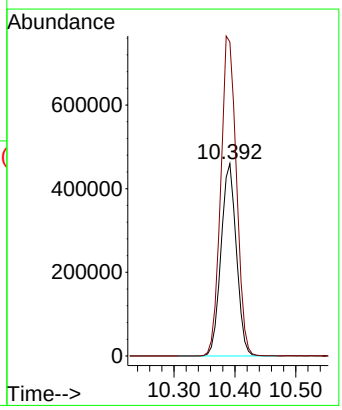


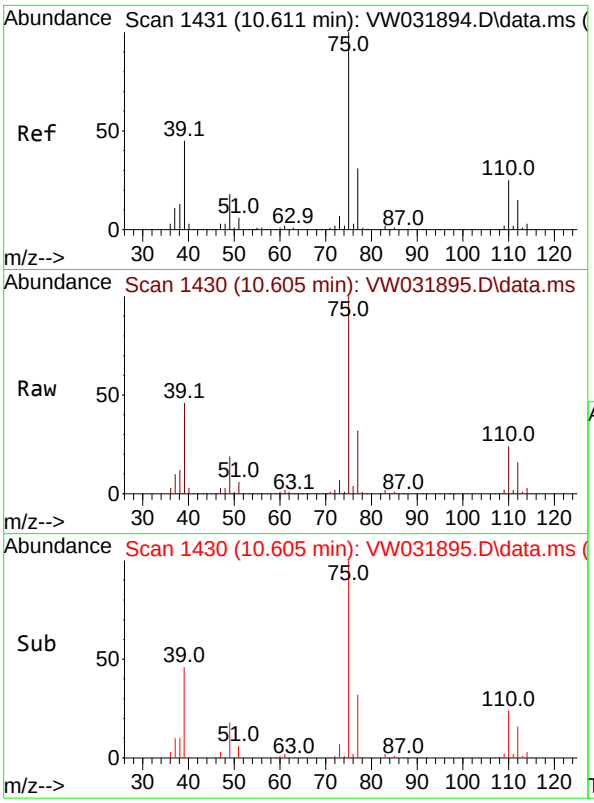


#52
Toluene
Concen: 100.537 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 92 Resp: 803397

Ion	Ratio	Lower	Upper
92	100		
91	170.2	133.7	200.5



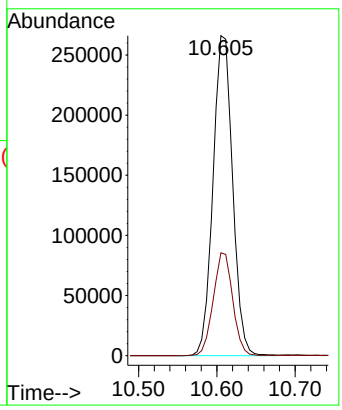


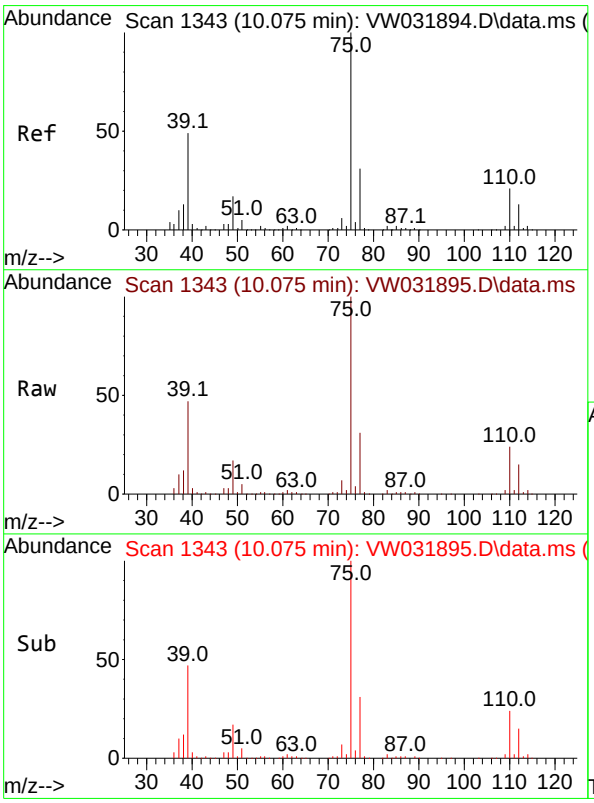
#53
t-1,3-Dichloropropene
Concen: 108.477 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 463061

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8

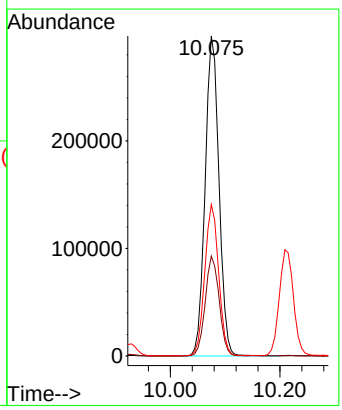


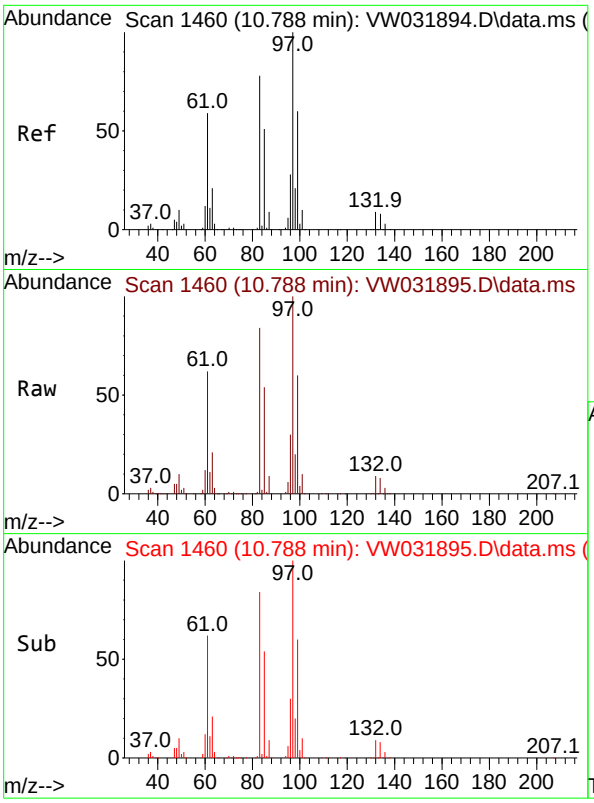


#54
cis-1,3-Dichloropropene
Concen: 106.602 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 519672

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.5	36.7
39	47.3	39.3	58.9



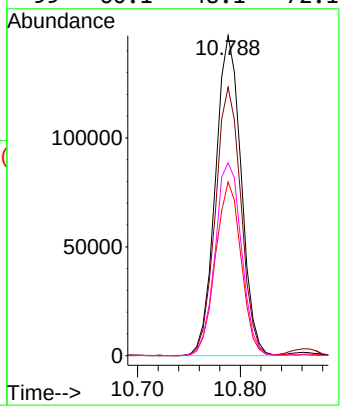


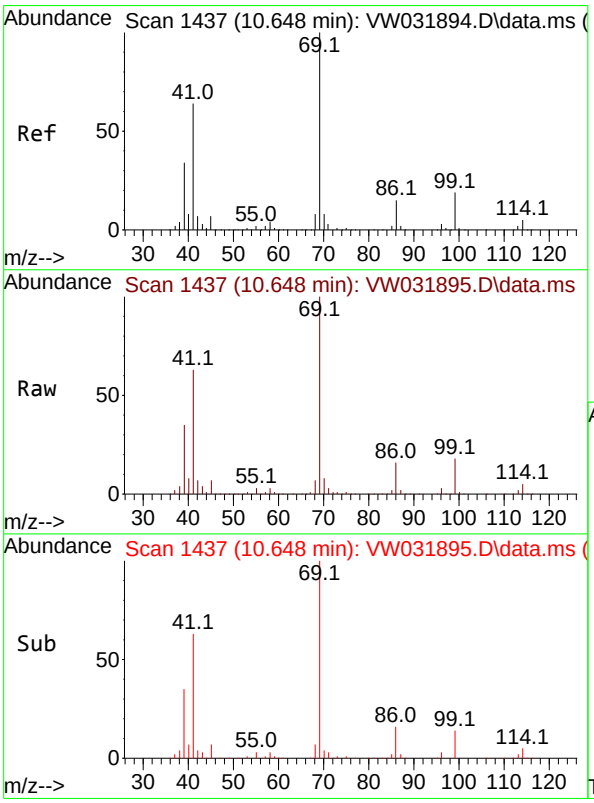
#55
1,1,2-Trichloroethane
Concen: 103.424 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 254950

Ion	Ratio	Lower	Upper
97	100		
83	83.9	62.4	93.6
85	54.3	41.0	61.6
99	60.1	48.1	72.1

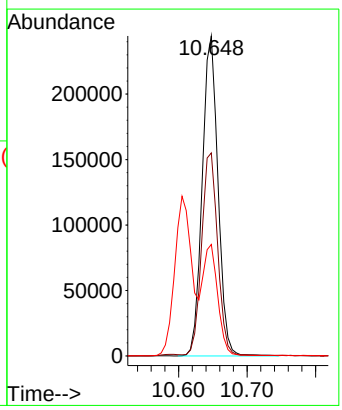


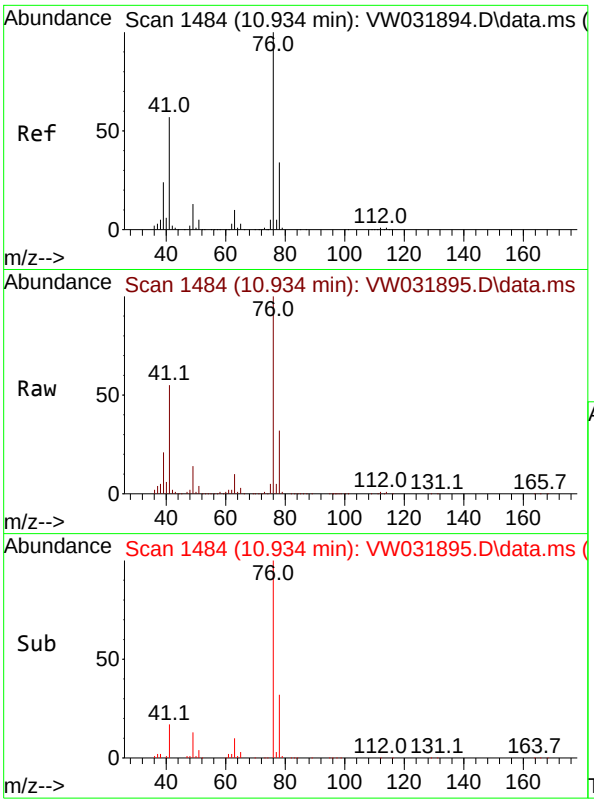


#56
Ethyl methacrylate
Concen: 112.649 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 69 Resp: 392187

Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.0	78.0
39	32.1	26.6	40.0



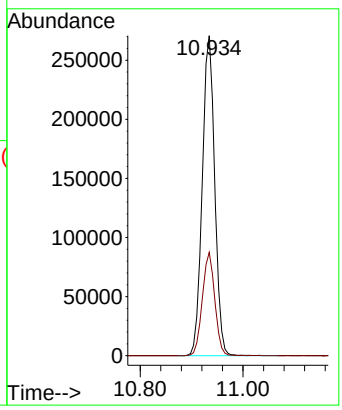


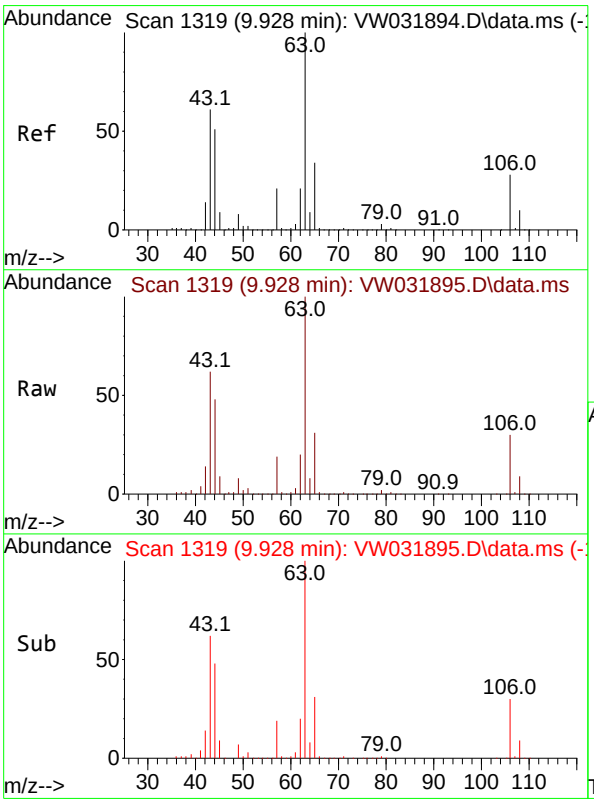
#57
1,3-Dichloropropane
Concen: 104.643 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 454447

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

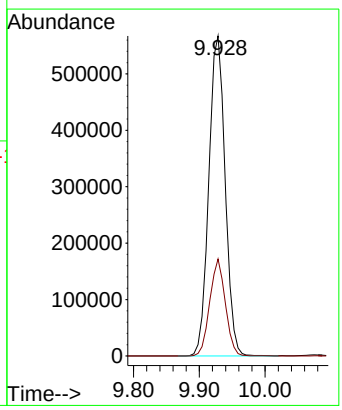


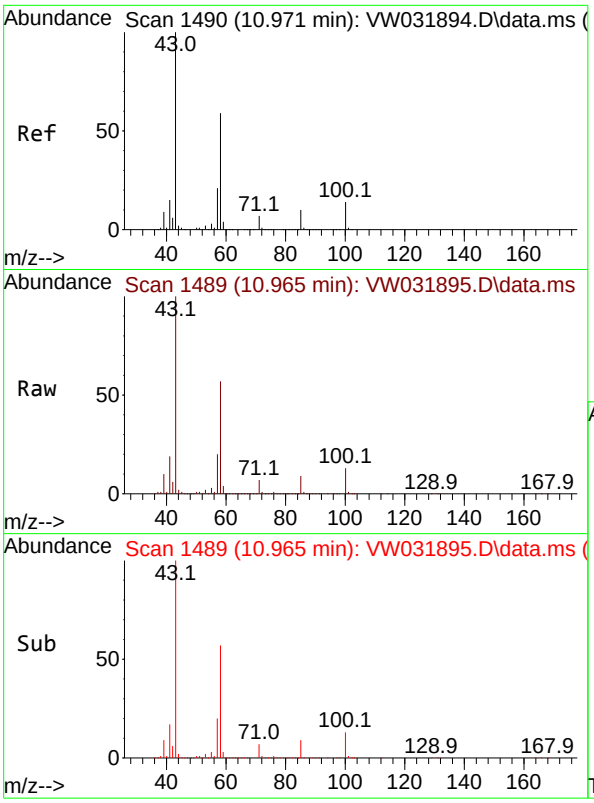


#58
2-Chloroethyl Vinyl ether
Concen: 548.592 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 63 Resp: 981034

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1



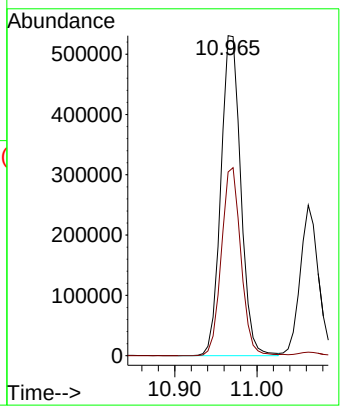


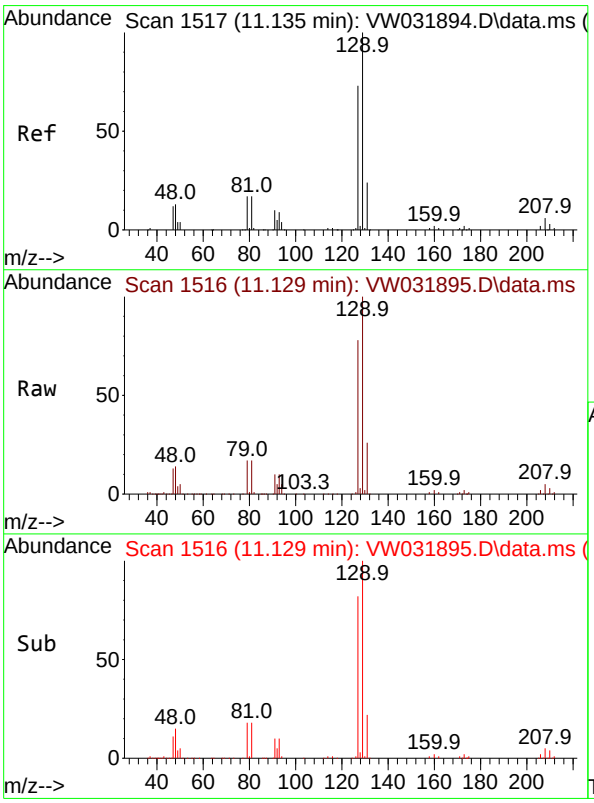
#59
2-Hexanone
Concen: 541.101 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 892662

Ion	Ratio	Lower	Upper
43	100		
58	57.8	28.5	85.6

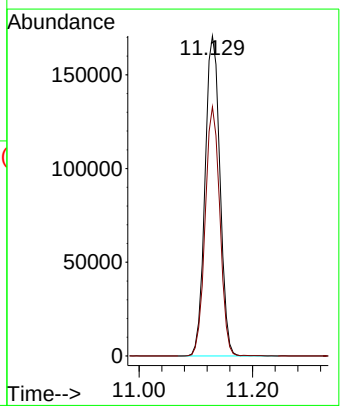


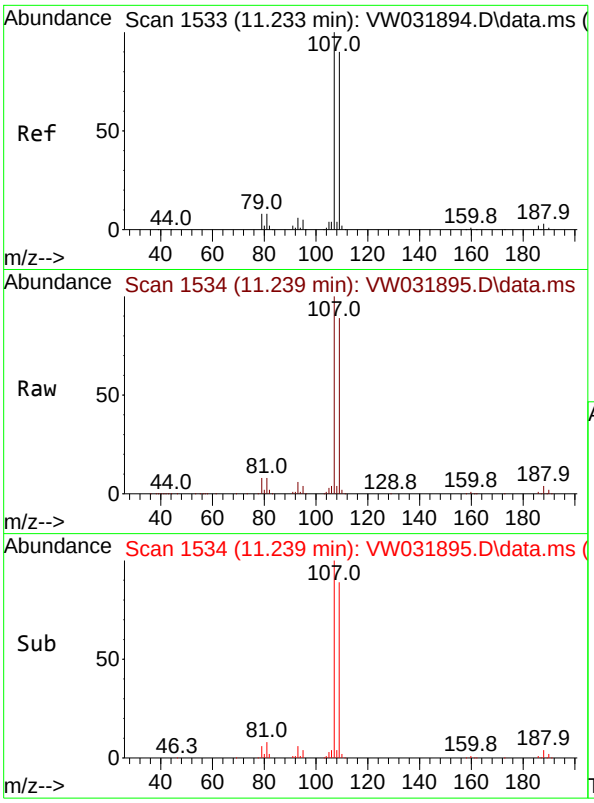


#60
Dibromochloromethane
Concen: 108.191 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:129 Resp: 310954

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.6	118.8



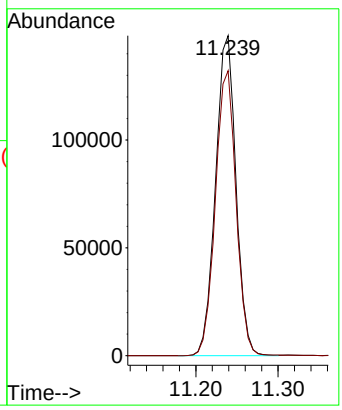


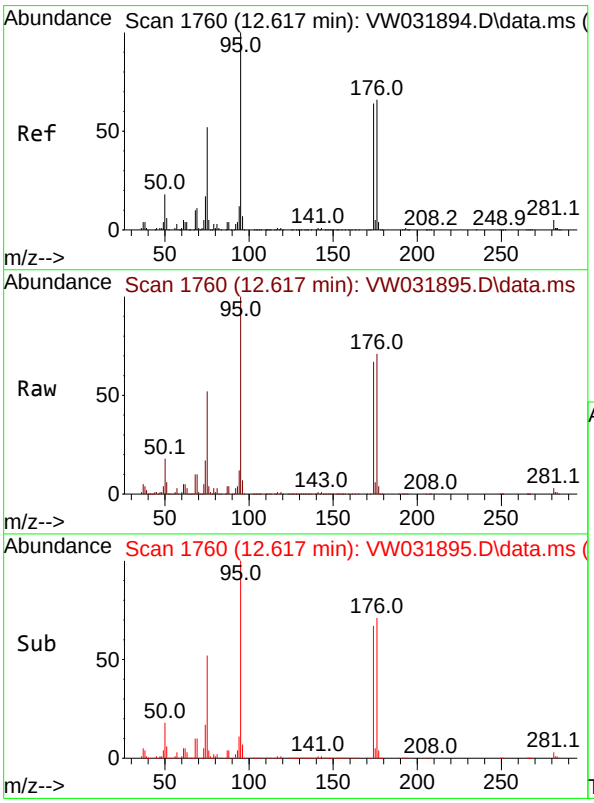
#61
1,2-Dibromoethane
Concen: 105.093 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 255989

Ion	Ratio	Lower	Upper
107	100		
109	90.5	74.2	111.4

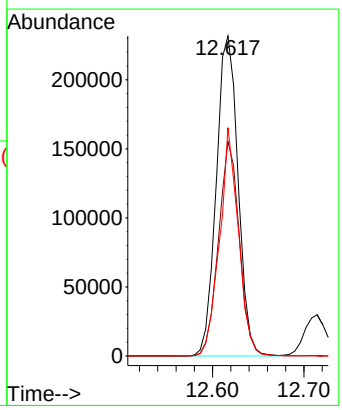


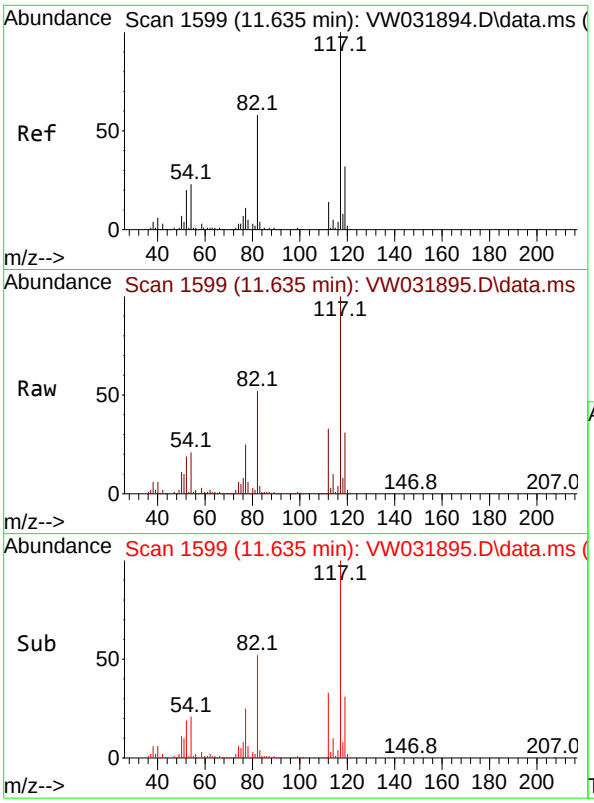


#62
4-Bromofluorobenzene
Concen: 96.494 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 95 Resp: 383449

Ion	Ratio	Lower	Upper
95	100		
174	64.4	0.0	129.8
176	61.8	0.0	130.4



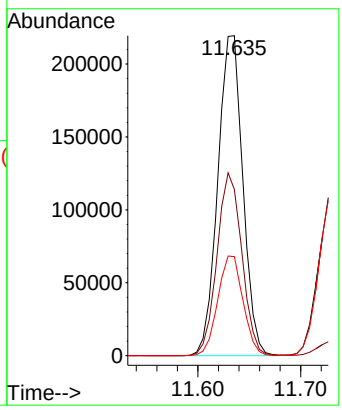


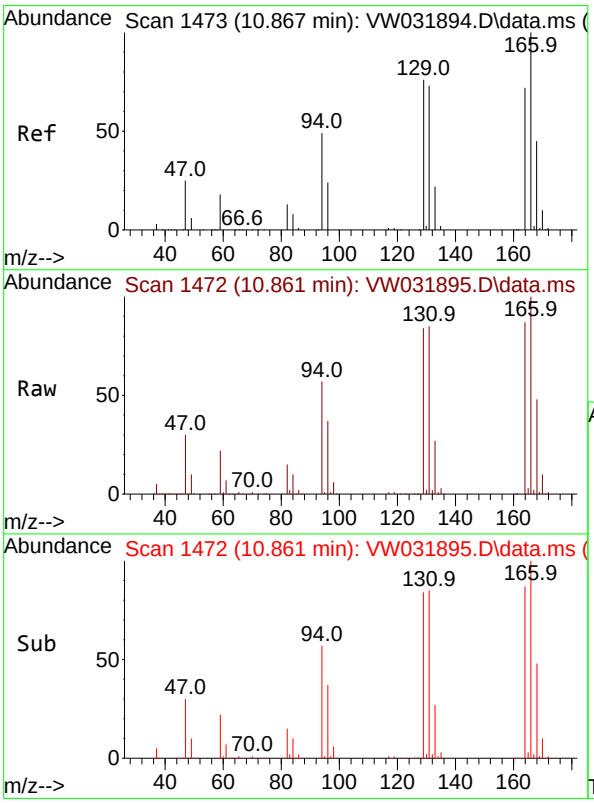
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 371635

Ion	Ratio	Lower	Upper
117	100		
82	51.9	46.5	69.7
119	30.9	25.8	38.6

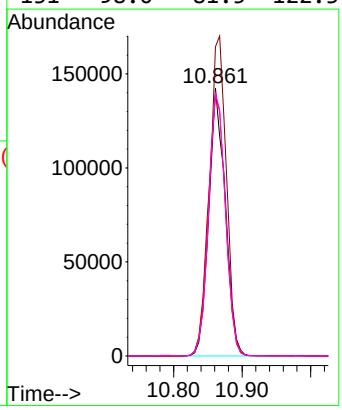


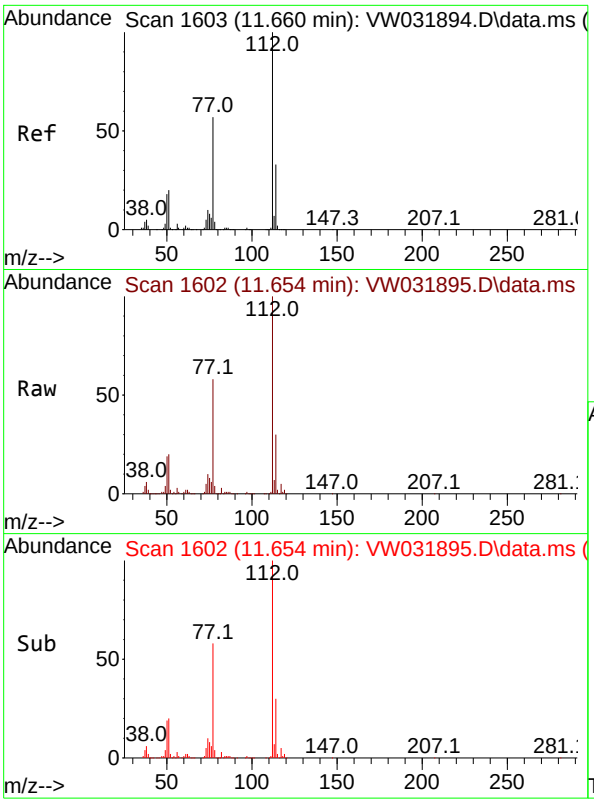


#64
Tetrachloroethene
Concen: 96.662 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:164 Resp: 236845

Ion	Ratio	Lower	Upper
164	100		
166	115.5	111.5	167.3
129	96.9	85.1	127.7
131	98.0	81.5	122.3



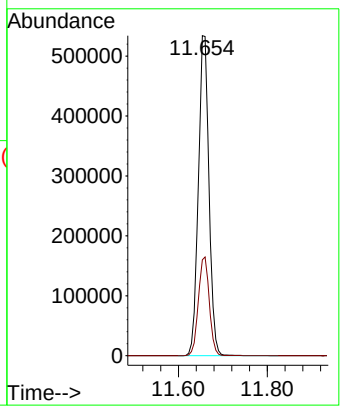


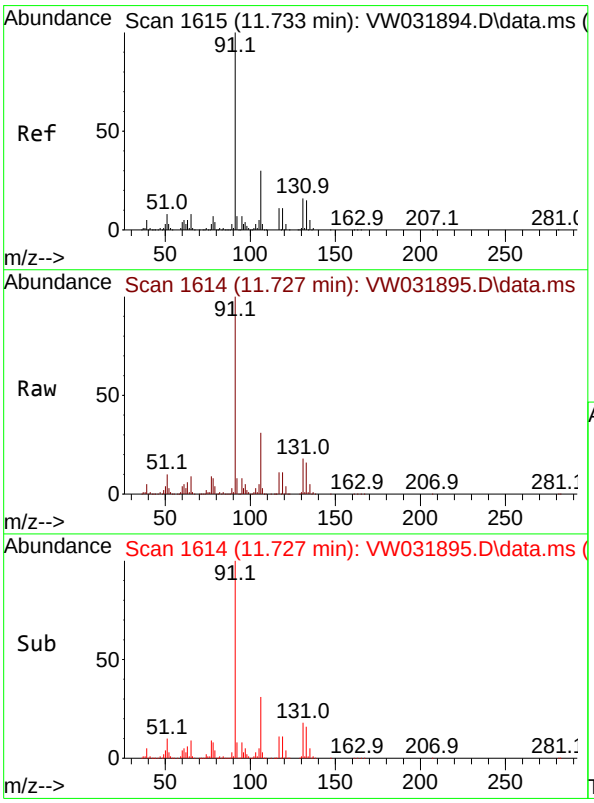
#65
Chlorobenzene
Concen: 97.499 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 886811

Ion	Ratio	Lower	Upper
112	100		
114	30.0	26.2	39.2

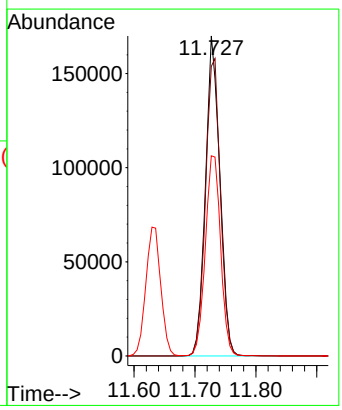


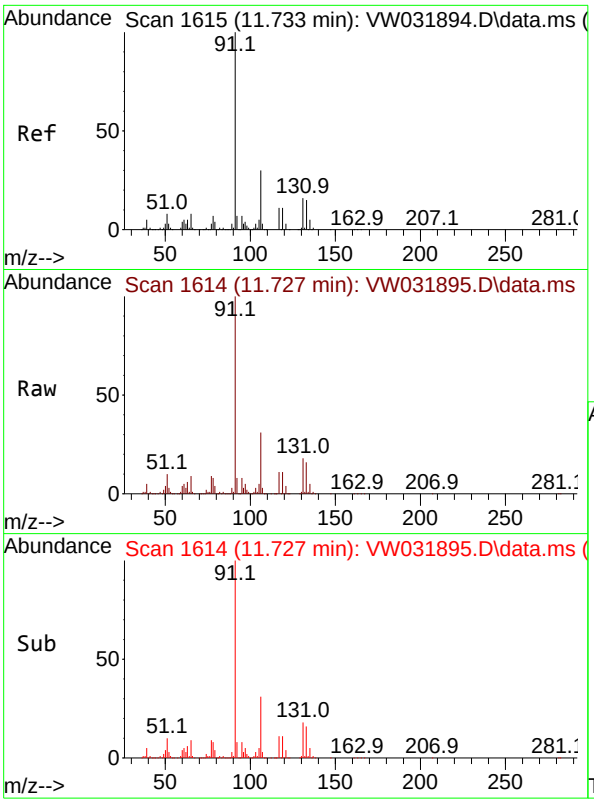


#66
1,1,1,2-Tetrachloroethane
Concen: 99.339 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:131 Resp: 280110

Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.4
119	66.4	33.7	101.1



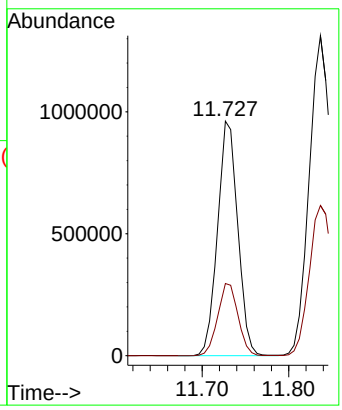


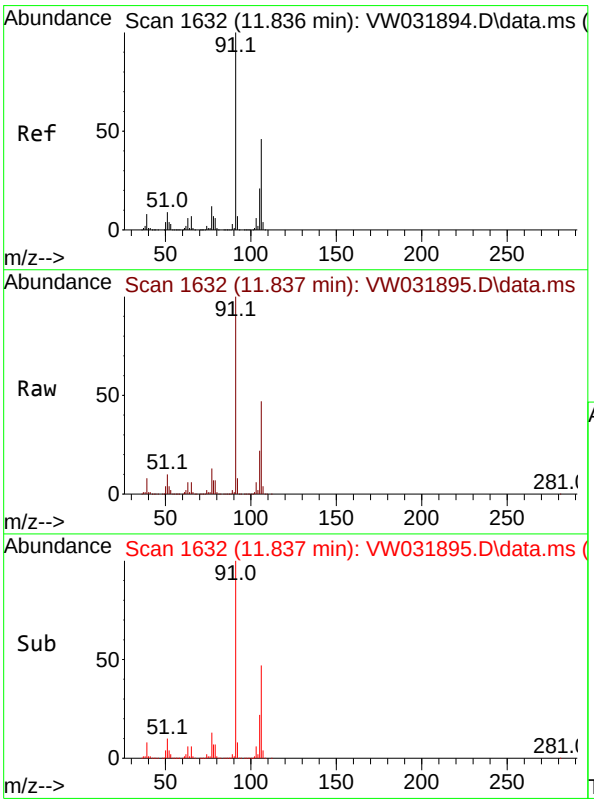
#67
Ethyl Benzene
Concen: 97.646 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1560463

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.8	35.6

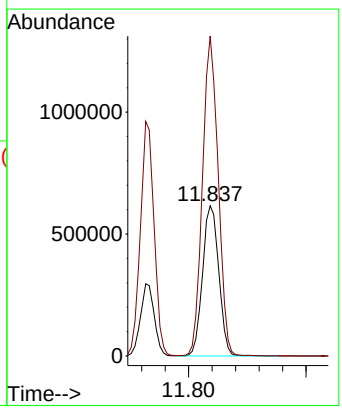


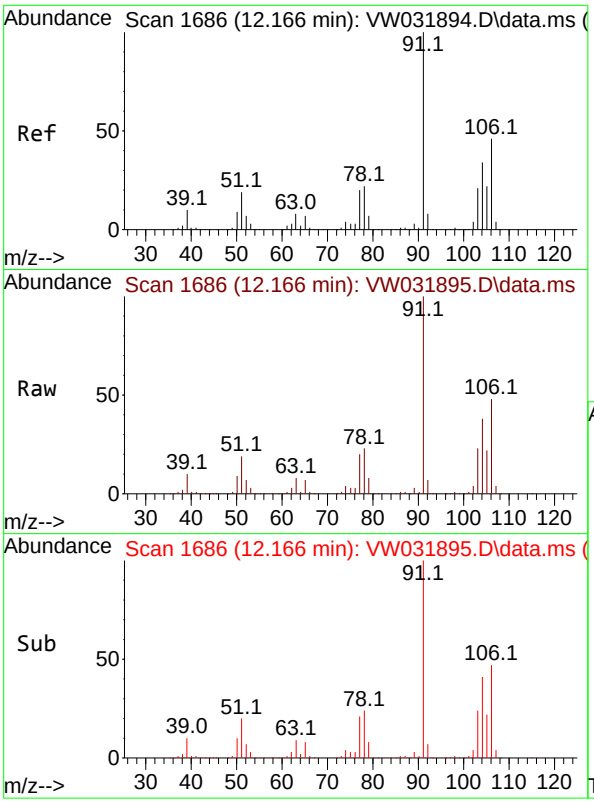


#68
m/p-Xylenes
Concen: 196.185 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:106 Resp: 1180270

Ion	Ratio	Lower	Upper
106	100		
91	206.6	167.7	251.5



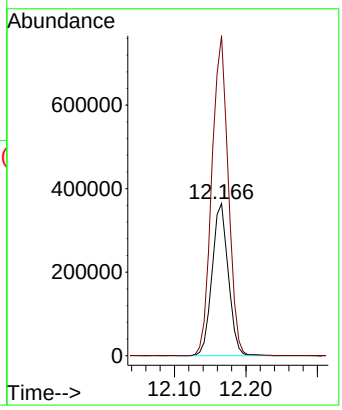


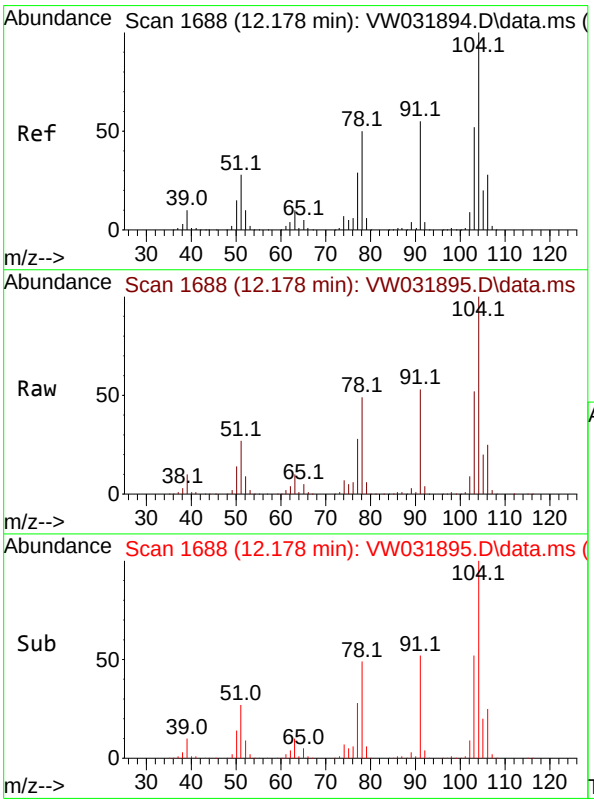
#69
o-Xylene
Concen: 100.449 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 571902

Ion	Ratio	Lower	Upper
106	100		
91	213.9	108.2	324.6

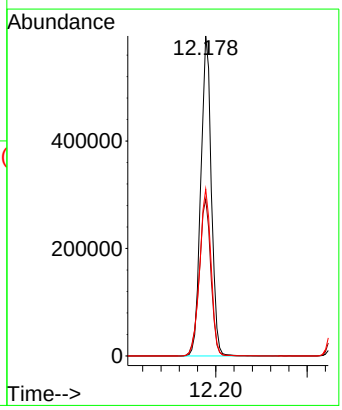


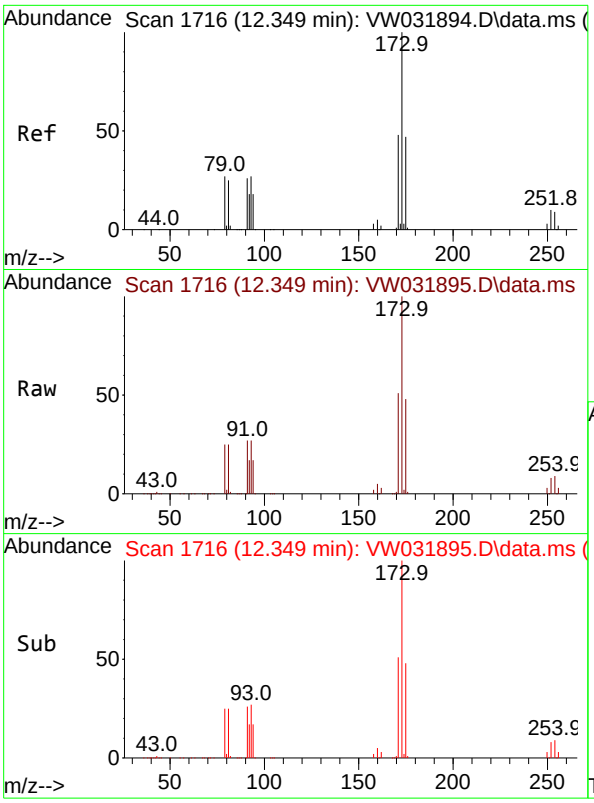


#70
Styrene
Concen: 97.850 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:104 Resp: 948526

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.2	63.4
103	56.4	42.8	64.2



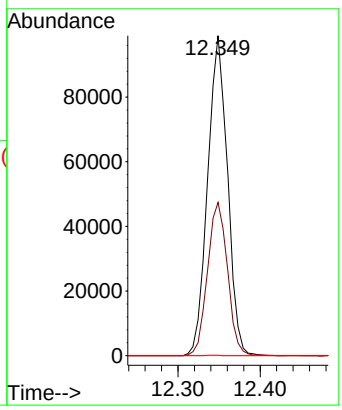


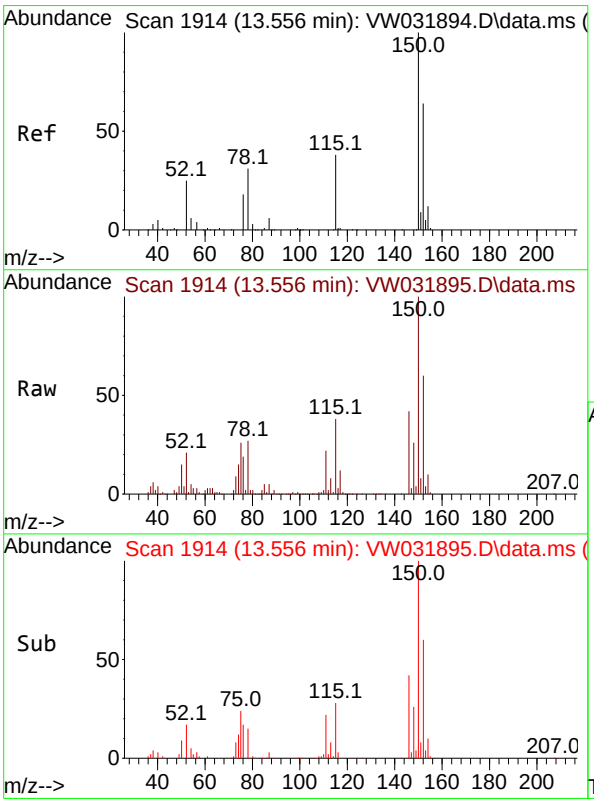
#71
Bromoform
Concen: 107.703 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 166090

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.1	0.2	0.2#

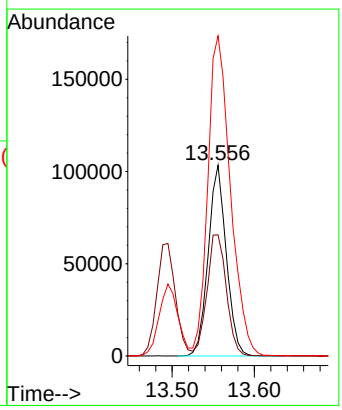


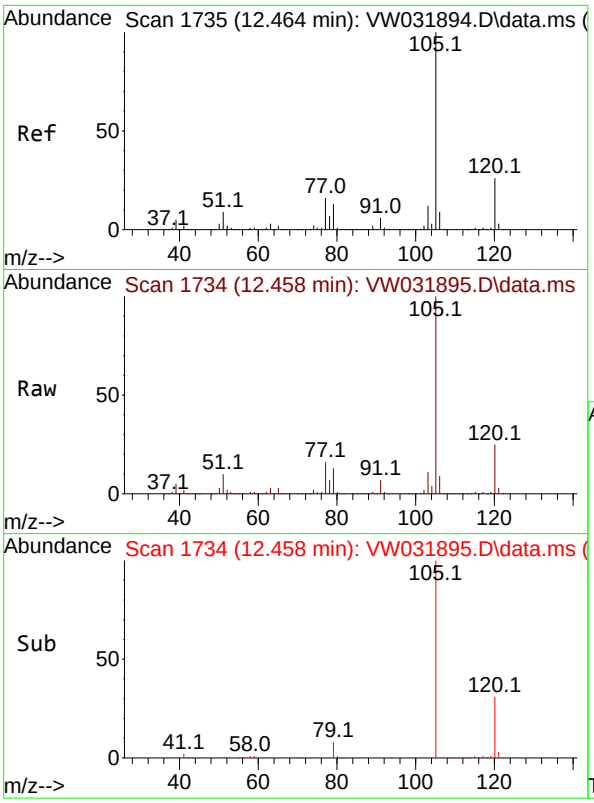


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:152 Resp: 158257

Ion	Ratio	Lower	Upper
152	100		
115	67.7	33.4	100.1
150	209.5	0.0	352.2



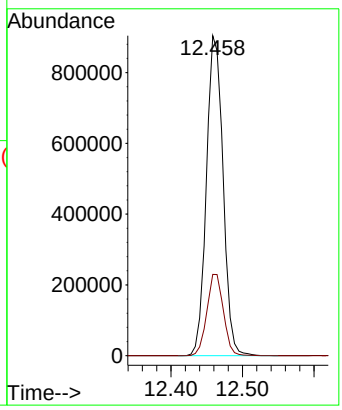


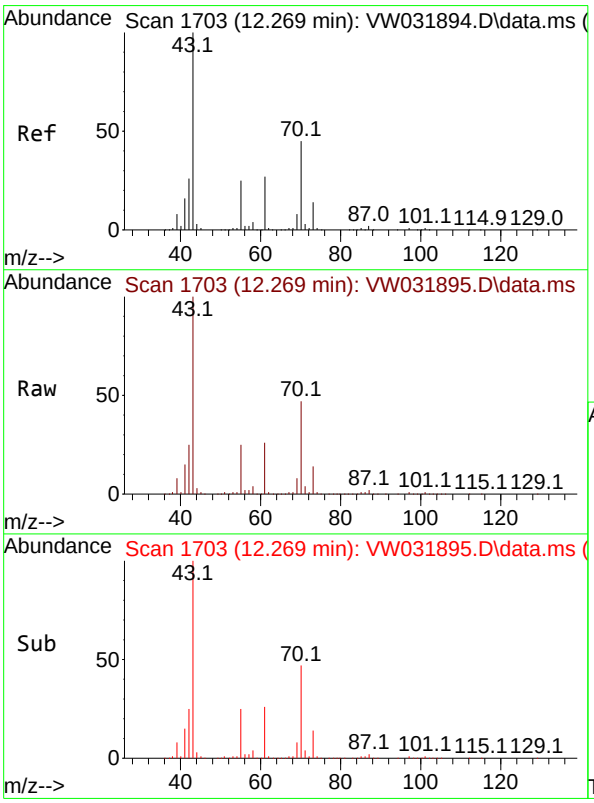
#73
Isopropylbenzene
Concen: 106.348 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1460308

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8

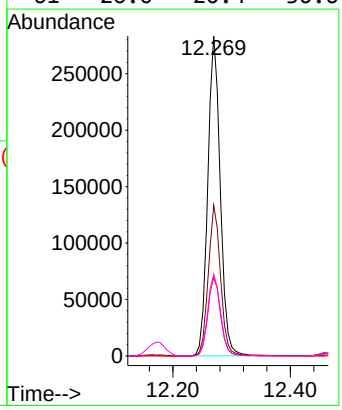


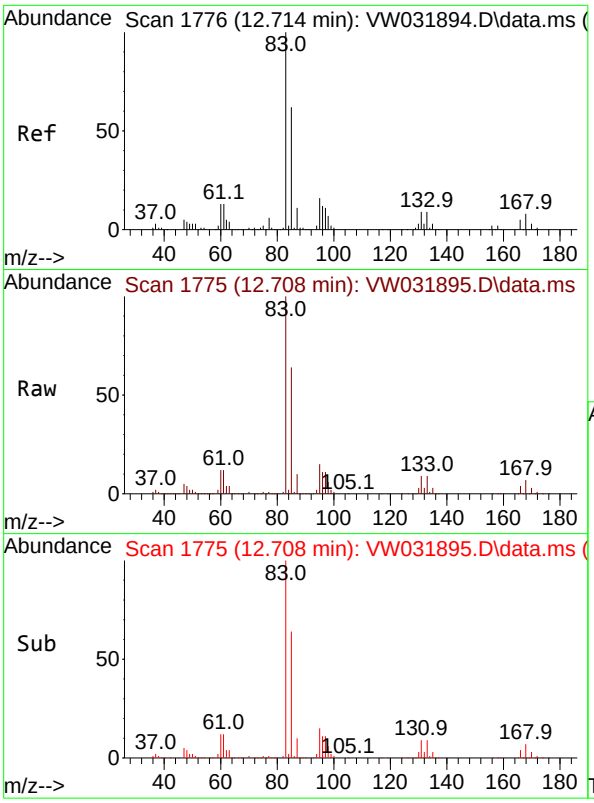


#74
N-amyl acetate
Concen: 112.451 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 43 Resp: 417442

Ion	Ratio	Lower	Upper
43	100		
70	46.4	36.6	55.0
55	25.4	20.7	31.1
61	26.0	20.4	30.6



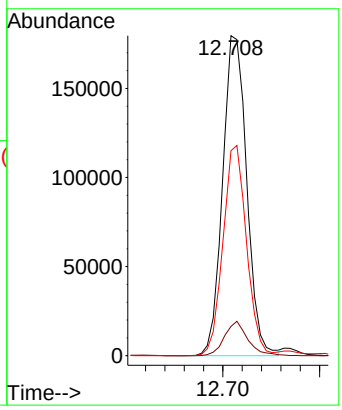


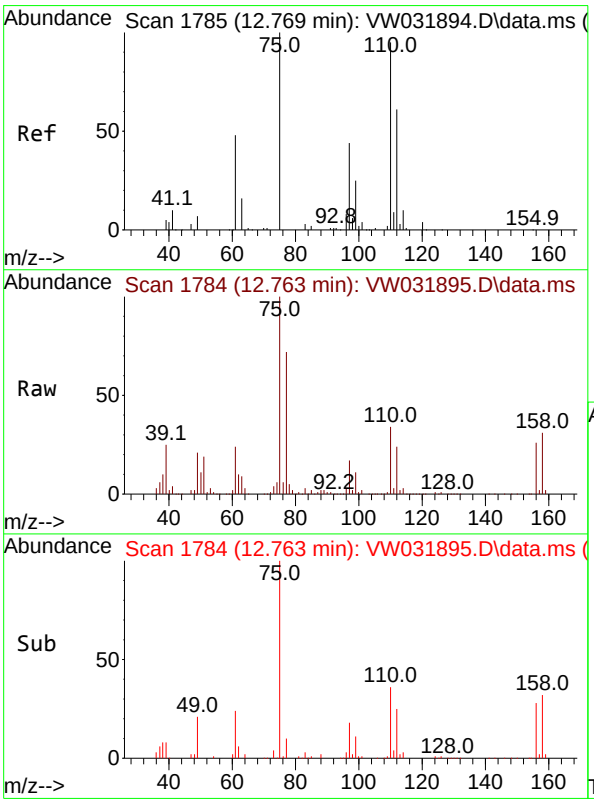
#75
1,1,2,2-Tetrachloroethane
Concen: 106.608 ug/l
RT: 12.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 310725

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	64.1	31.8	95.3

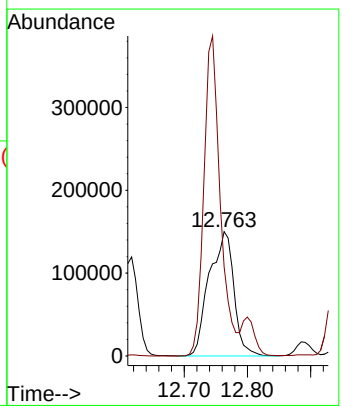


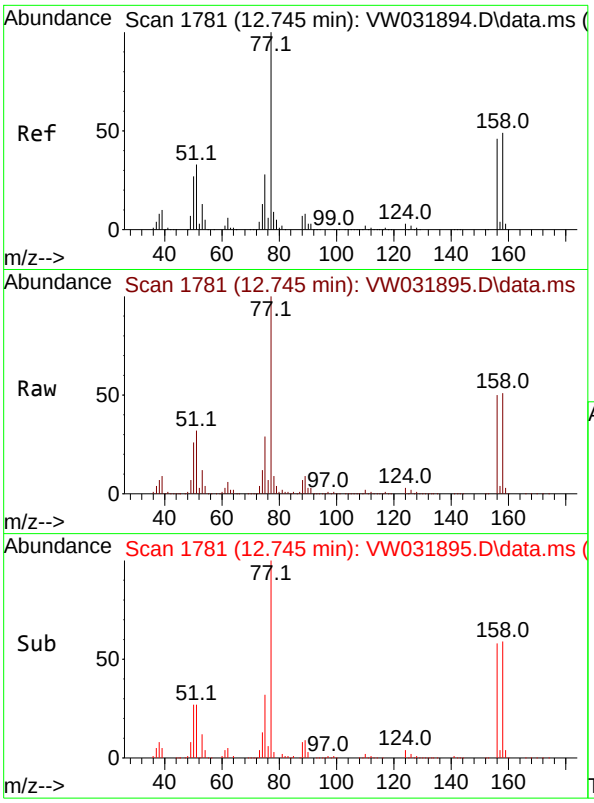


#76
1,2,3-Trichloropropane
Concen: 187.218 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 405634

Ion	Ratio	Lower	Upper
75	100		
77	170.8	0.0	0.0#



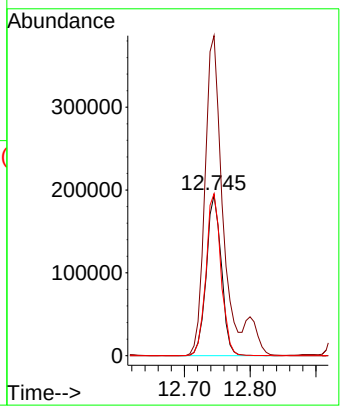


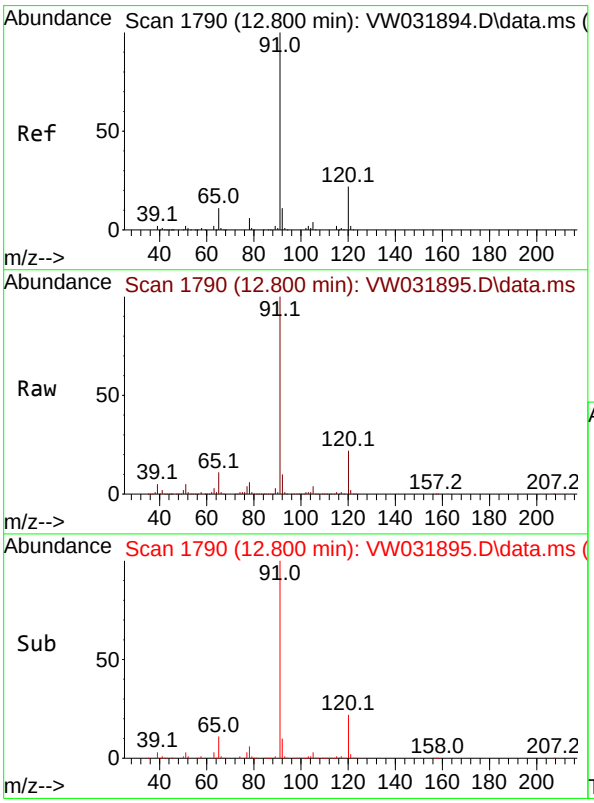
#77
Bromobenzene
Concen: 103.725 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 308168

Ion	Ratio	Lower	Upper
156	100		
77	224.9	115.3	345.8
158	101.0	50.1	150.3

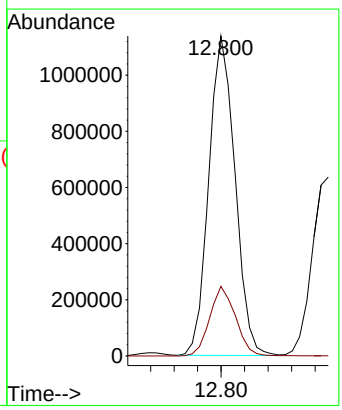


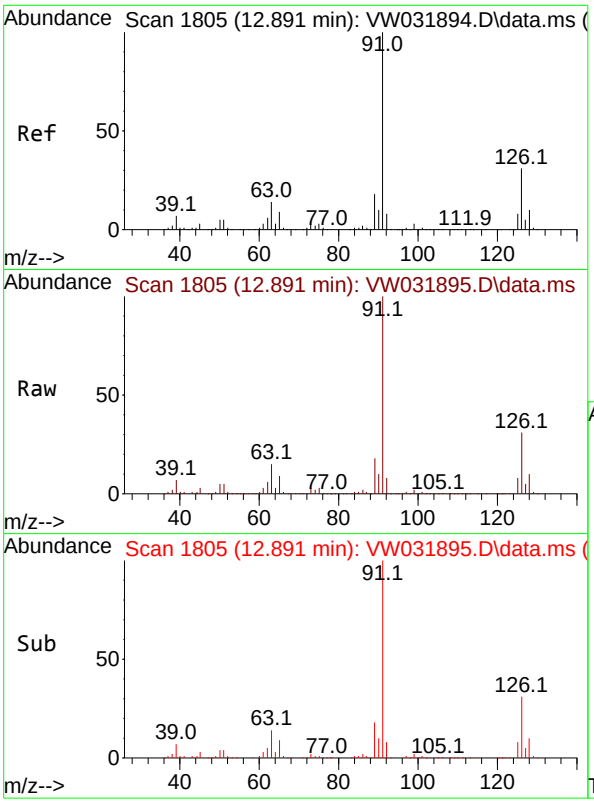


#78
n-propylbenzene
Concen: 104.679 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 1765379

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.6



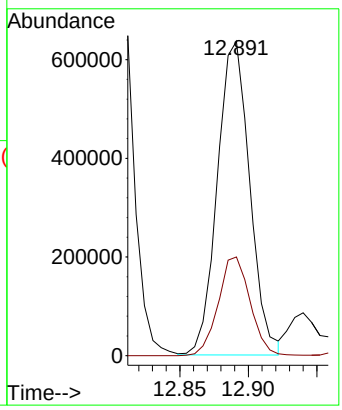


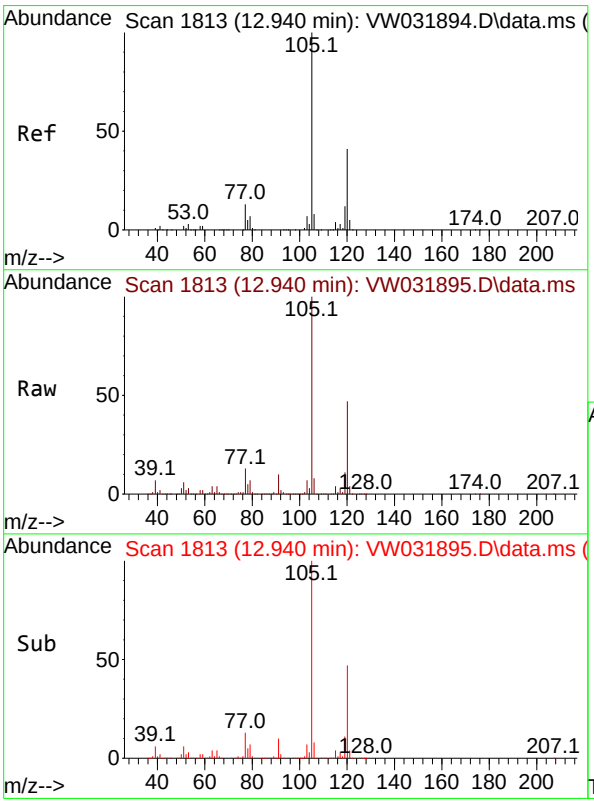
#79
2-Chlorotoluene
Concen: 103.935 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1046552

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8

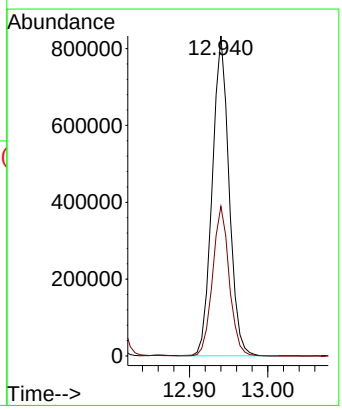


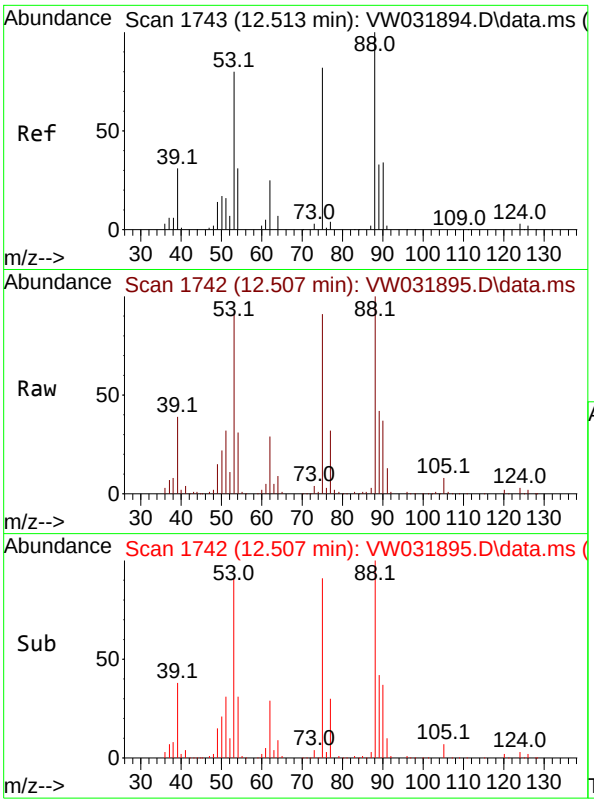


#80
1,3,5-Trimethylbenzene
Concen: 107.831 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 1241824

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5



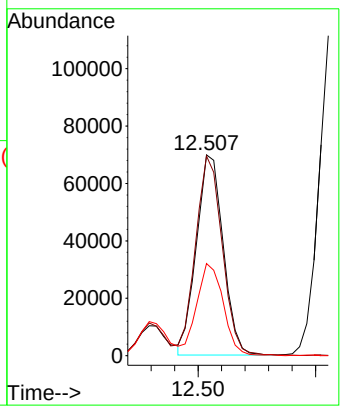


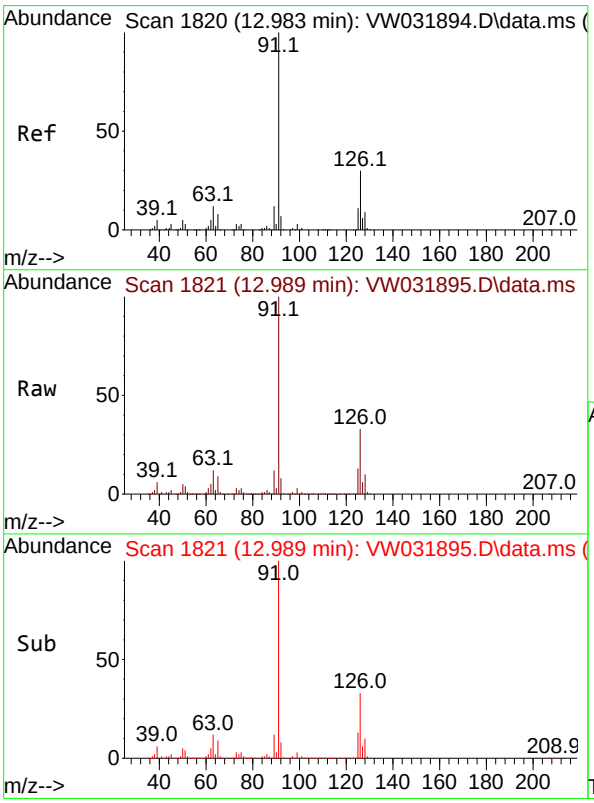
#81
trans-1,4-Dichloro-2-butene
Concen: 116.589 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 110340

Ion	Ratio	Lower	Upper
75	100		
53	100.5	83.7	125.5
89	46.0	39.0	58.6

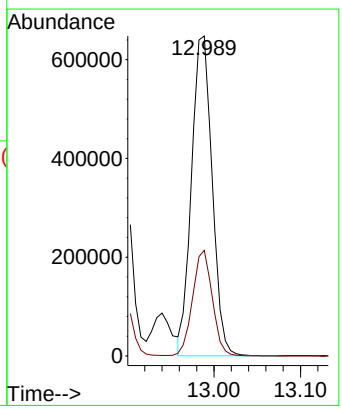


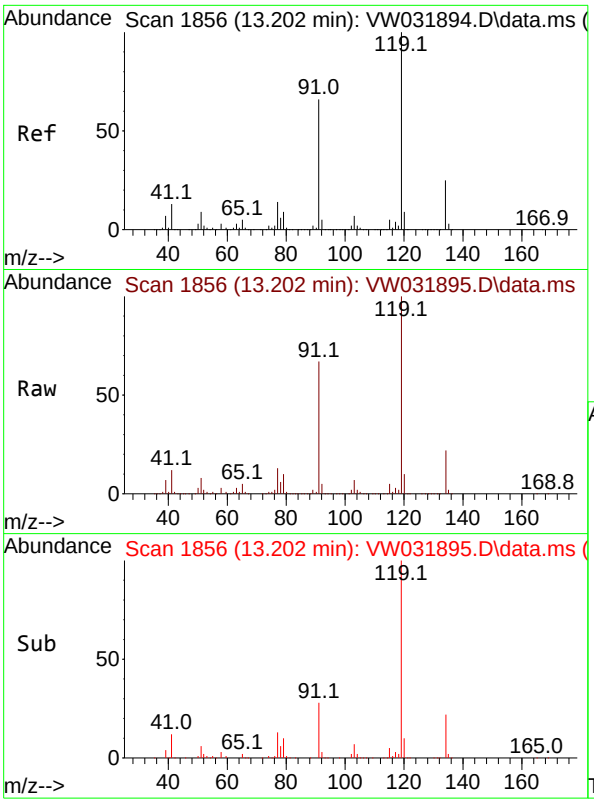


#82
4-Chlorotoluene
Concen: 101.386 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 91 Resp: 1070989

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3



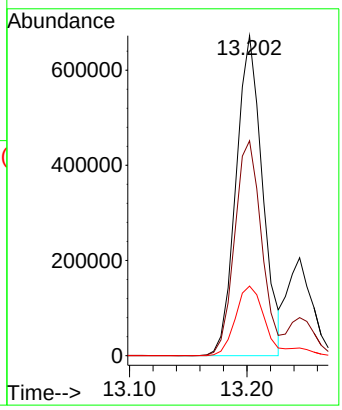


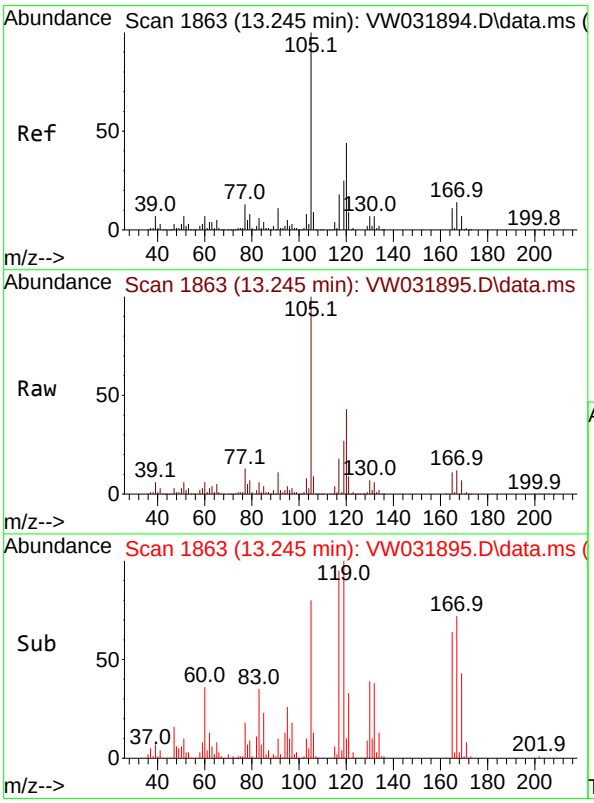
#83
tert-Butylbenzene
Concen: 107.273 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 1052310

Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.5	106.5
134	25.5	12.4	37.0

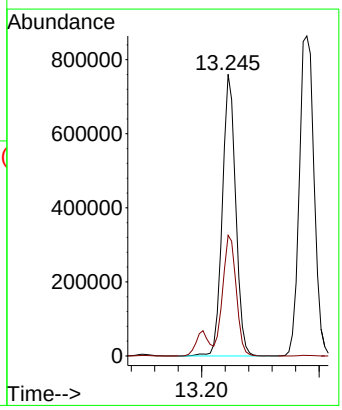


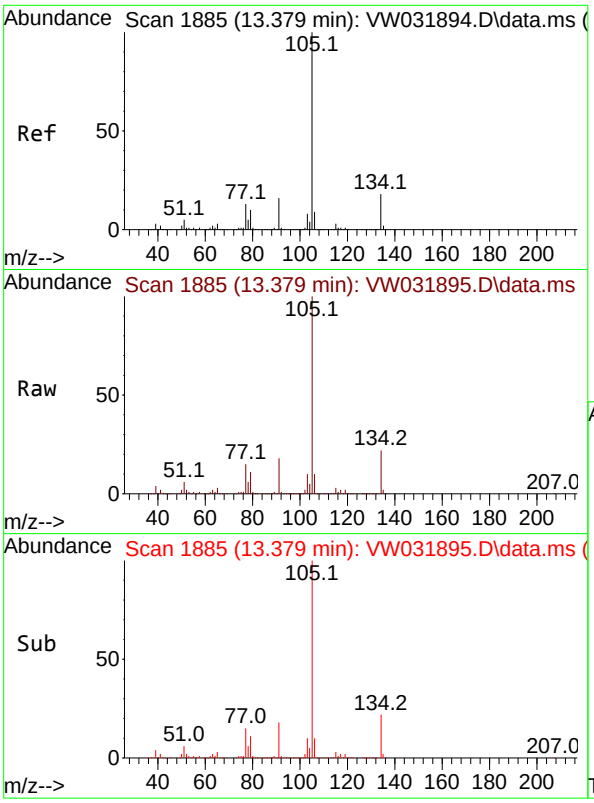


#84
1,2,4-Trimethylbenzene
Concen: 102.845 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:105 Resp: 1198796

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9



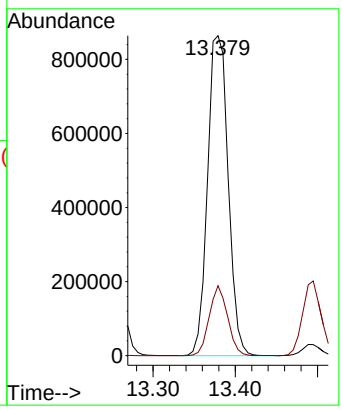


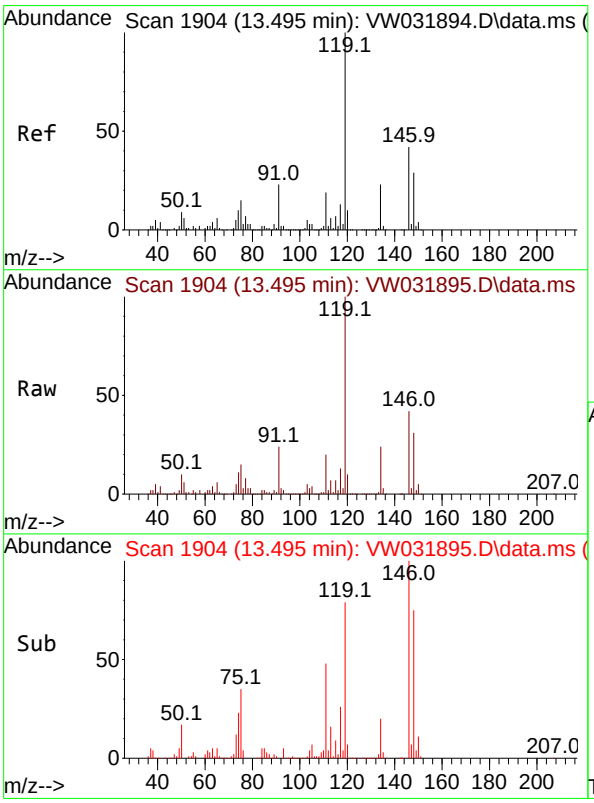
#85
sec-Butylbenzene
Concen: 102.008 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1502744

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.2	27.6

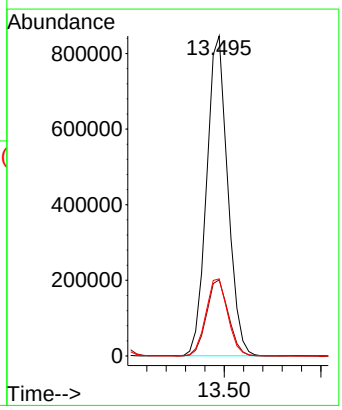


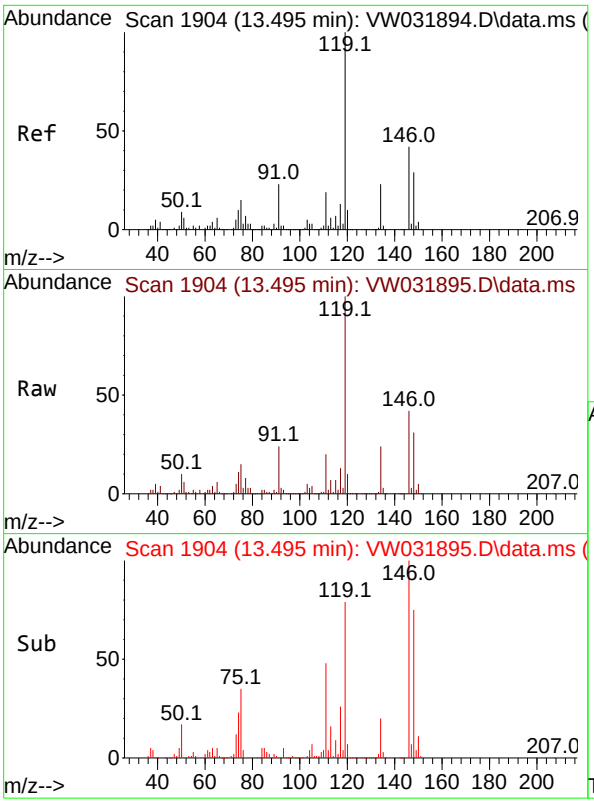


#86
p-Isopropyltoluene
Concen: 105.433 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:119 Resp: 1283789

Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.0	39.0
91	24.9	12.7	38.1



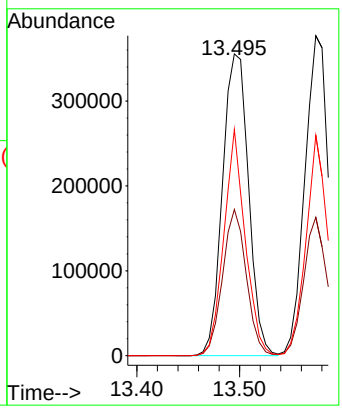


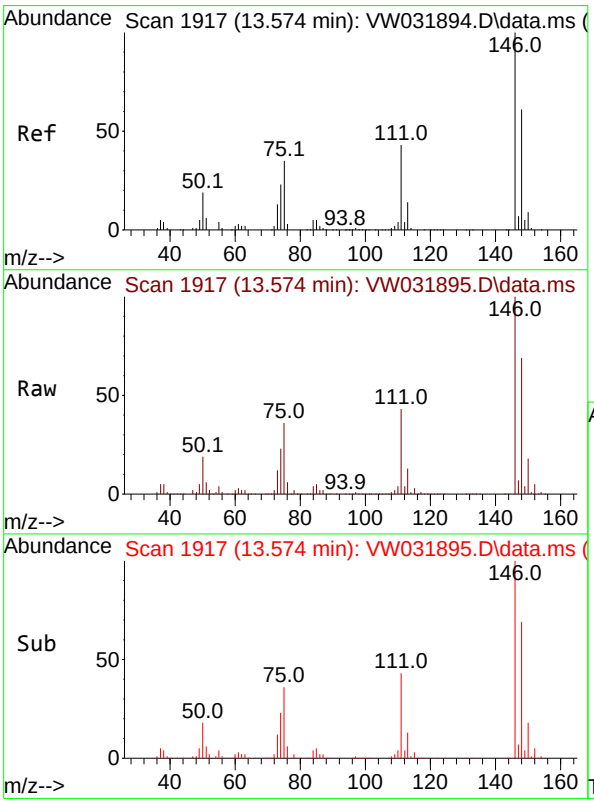
#87
1,3-Dichlorobenzene
Concen: 101.175 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 625716

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.9	65.7
148	61.6	31.9	95.5

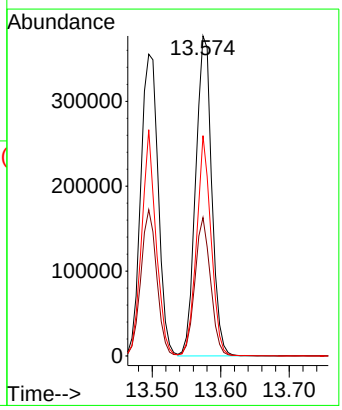


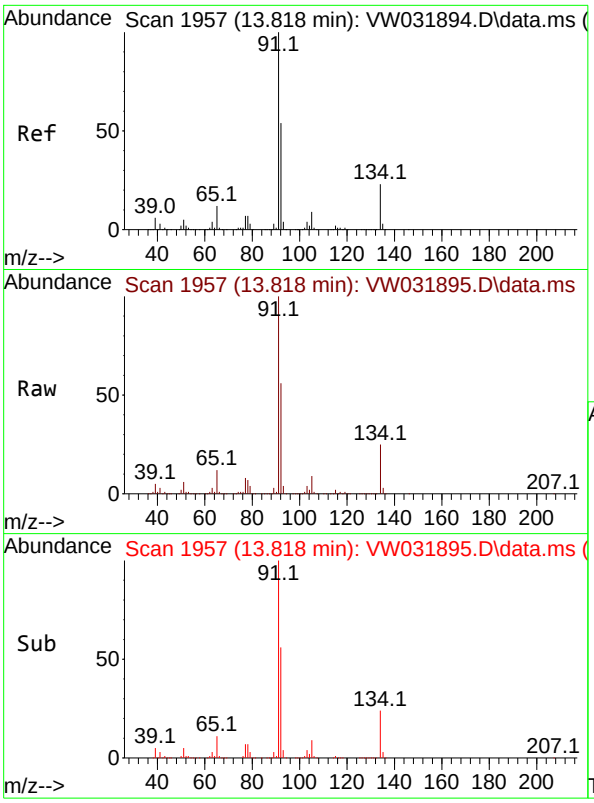


#88
1,4-Dichlorobenzene
Concen: 101.442 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:146 Resp: 614573

Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.1	66.3
148	62.7	31.8	95.3



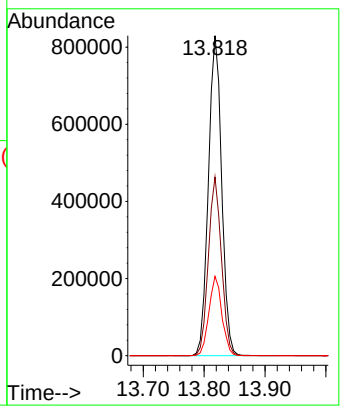


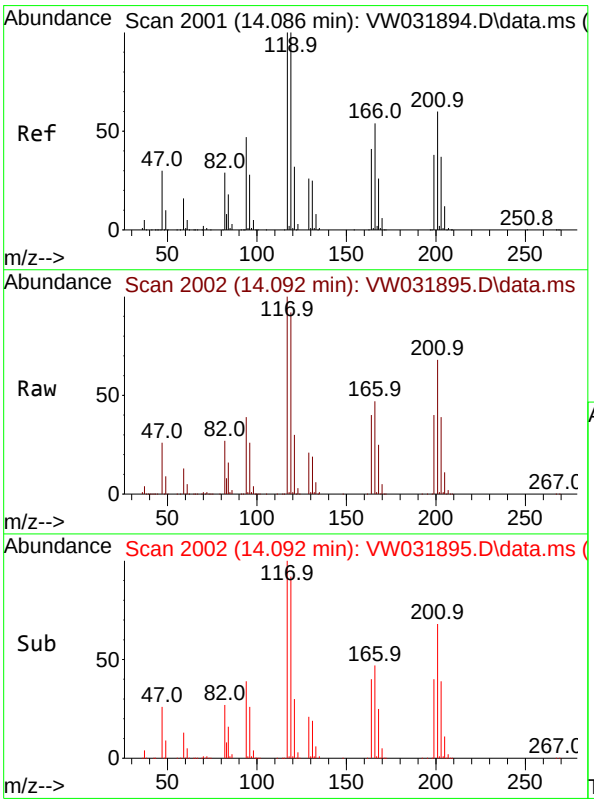
#89
n-Butylbenzene
Concen: 105.103 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1255431

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	24.3	11.6	34.7

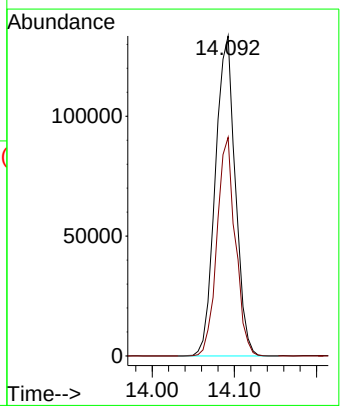


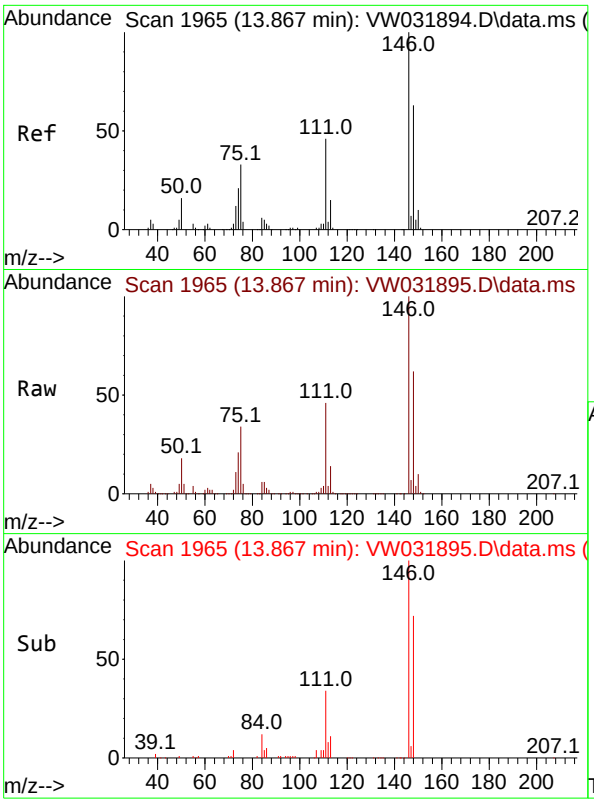


#90
Hexachloroethane
Concen: 107.168 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:117 Resp: 225644

Ion	Ratio	Lower	Upper
117	100		
201	62.9	28.4	85.2



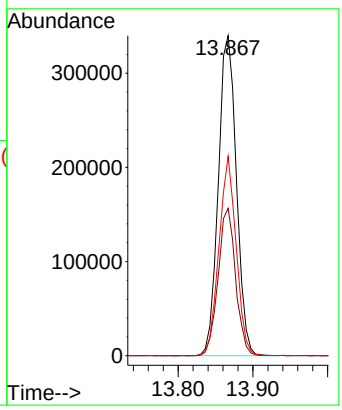


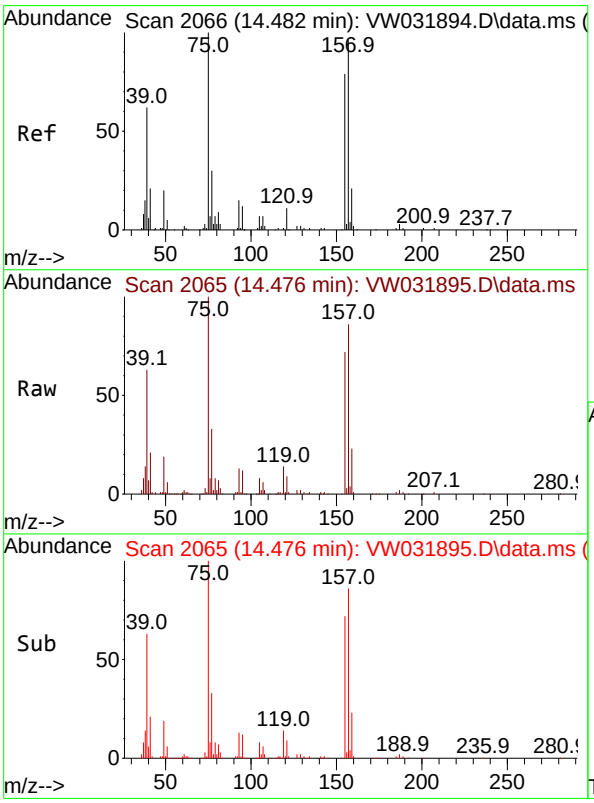
#91
1,2-Dichlorobenzene
Concen: 104.043 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 570249

Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.6	71.0
148	59.3	32.4	97.2

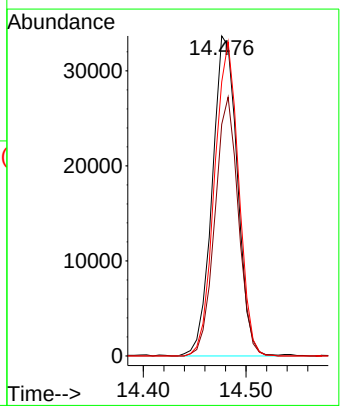


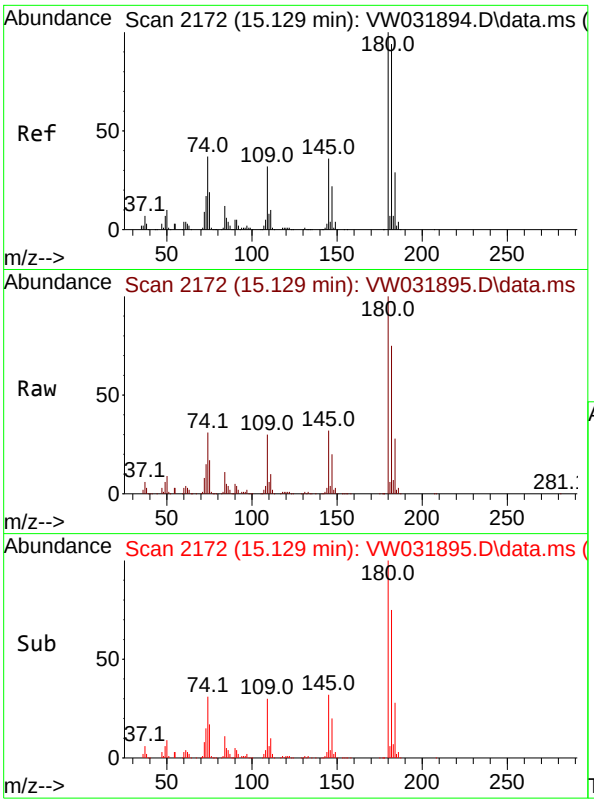


#92
1,2-Dibromo-3-Chloropropane
Concen: 108.370 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion: 75 Resp: 57065

Ion	Ratio	Lower	Upper
75	100		
155	75.6	35.9	107.7
157	94.1	47.4	142.2



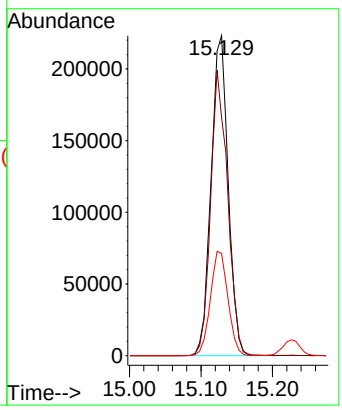


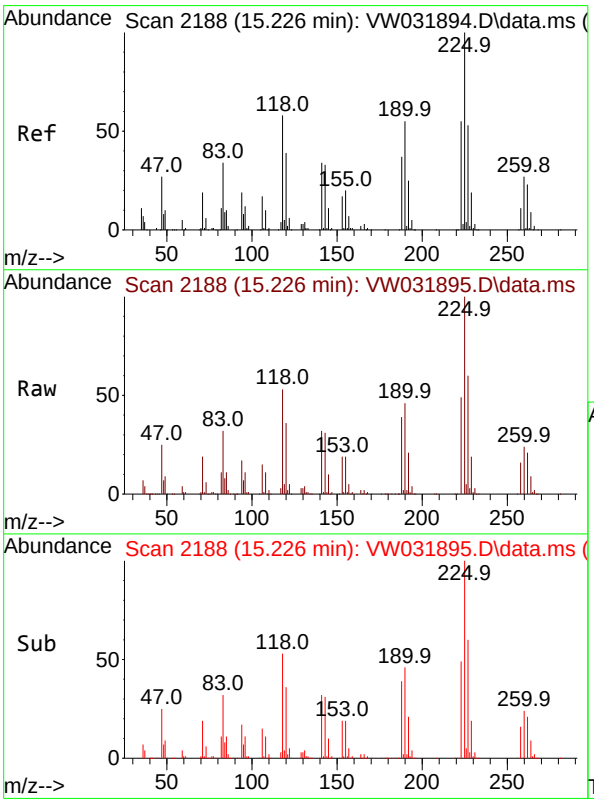
#93
1,2,4-Trichlorobenzene
Concen: 112.151 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 370704

Ion	Ratio	Lower	Upper
180	100		
182	88.6	51.0	153.1
145	33.5	18.4	55.4

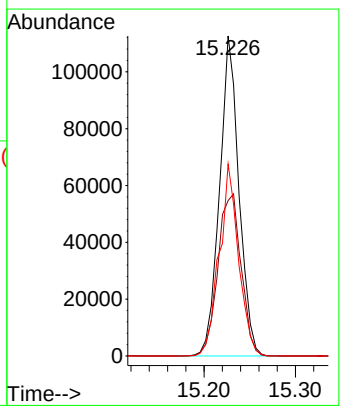


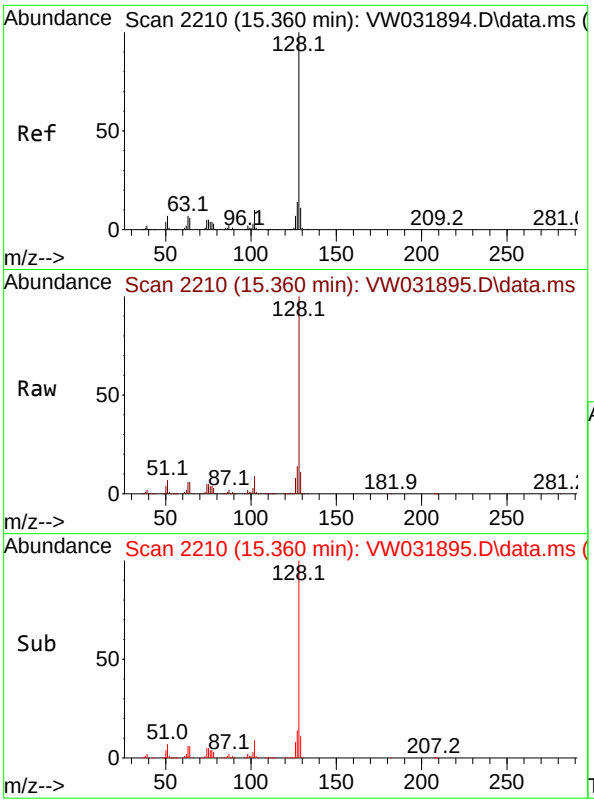


#94
Hexachlorobutadiene
Concen: 106.085 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:225 Resp: 166160

Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.9	92.7
227	59.8	30.0	90.1



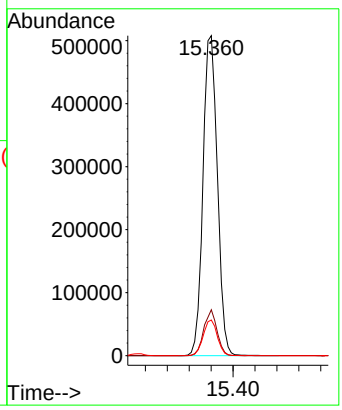


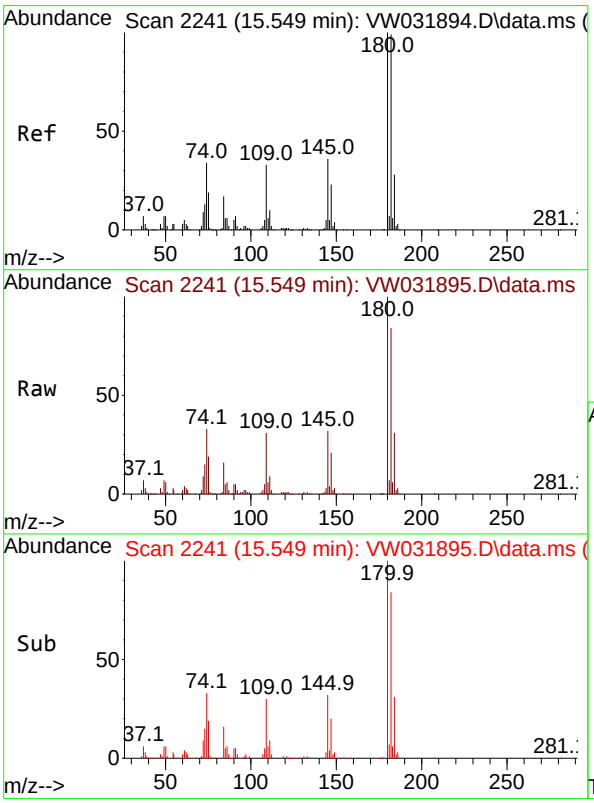
#95
Naphthalene
Concen: 113.469 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 922104

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	9.2	13.8

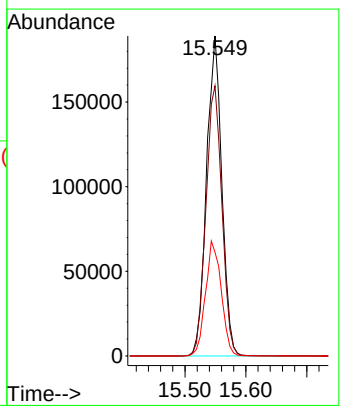




#96
1,2,3-Trichlorobenzene
Concen: 110.082 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031895.D
Acq: 22 Jul 2025 11:18

Tgt Ion:180 Resp: 329679

Ion	Ratio	Lower	Upper
180	100		
182	88.5	50.4	151.2
145	37.0	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	410405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	453594	136.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 272.060%#			
35) Dibromofluoromethane	7.898	113	399487	143.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 286.500%#			
50) Toluene-d8	10.324	98	1482591	140.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 280.940%#			
62) 4-Bromofluorobenzene	12.617	95	556999	137.437	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 274.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	236321	144.250	ug/l	97
3) Chloromethane	2.259	50	329540	156.720	ug/l	98
4) Vinyl Chloride	2.411	62	412456	151.000	ug/l	99
5) Bromomethane	2.820	94	302212	150.249	ug/l	100
6) Chloroethane	2.972	64	273738	151.843	ug/l	100
7) Trichlorofluoromethane	3.301	101	440230	159.125	ug/l	98
8) Diethyl Ether	3.722	74	261548	141.526	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	390066	146.583	ug/l	99
10) Methyl Iodide	4.307	142	595320	149.628	ug/l	99
11) Tert butyl alcohol	5.210	59	134310	685.235	ug/l	99
12) 1,1-Dichloroethene	4.076	96	442469	150.541	ug/l	93
13) Acrolein	3.929	56	164048	739.113	ug/l	99
14) Allyl chloride	4.697	41	703862	153.834	ug/l	99
15) Acrylonitrile	5.399	53	594863	719.982	ug/l	99
16) Acetone	4.155	43	538491	680.547	ug/l	100
17) Carbon Disulfide	4.417	76	1189183	156.005	ug/l	98
18) Methyl Acetate	4.704	43	318191	145.961	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	688978	135.668	ug/l	98
20) Methylene Chloride	4.947	84	477228	150.364	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	470689	150.934	ug/l	96
22) Diisopropyl ether	6.337	45	1345510	146.962	ug/l	98
23) Vinyl Acetate	6.283	43	4440675	742.410	ug/l	99
24) 1,1-Dichloroethane	6.246	63	856816	150.310	ug/l	100
25) 2-Butanone	7.191	43	749073	691.906	ug/l	95
26) 2,2-Dichloropropane	7.185	77	489368	151.639	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	549658	149.926	ug/l	97
28) Bromochloromethane	7.526	49	350866	147.009	ug/l	97
29) Tetrahydrofuran	7.551	42	493192	694.835	ug/l	100
30) Chloroform	7.691	83	885019	148.076	ug/l	98
31) Cyclohexane	7.965	56	732101	143.155	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	682184	149.995	ug/l	98
36) 1,1-Dichloropropene	8.093	75	632279	147.634	ug/l	99
37) Ethyl Acetate	7.270	43	344416	140.974	ug/l	100
38) Carbon Tetrachloride	8.081	117	623463	151.686	ug/l	98
39) Methylcyclohexane	9.343	83	811686	150.600	ug/l	99
40) Benzene	8.337	78	1867656	147.317	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	204750	142.282	ug/l		96
42) 1,2-Dichloroethane	8.410	62	579516	142.827	ug/l		99
43) Isopropyl Acetate	8.435	43	643412	145.474	ug/l		99
44) Trichloroethene	9.099	130	452970	150.317	ug/l		98
45) 1,2-Dichloropropane	9.373	63	456144	149.396	ug/l		97
46) Dibromomethane	9.465	93	272269	143.854	ug/l		99
47) Bromodichloromethane	9.648	83	685853	151.120	ug/l		96
48) Methyl methacrylate	9.441	41	314142	149.293	ug/l		100
49) 1,4-Dioxane	9.459	88	56346	2983.527	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.209	43	1683322	695.441	ug/l		99
52) Toluene	10.392	92	1214012	148.962	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	679932	156.179	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	759882	152.840	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	363045	144.405	ug/l		92
56) Ethyl methacrylate	10.648	69	540138	152.123	ug/l		99
57) 1,3-Dichloropropane	10.934	76	632065	142.707	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	1375316	754.091	ug/l		98
59) 2-Hexanone	10.971	43	1166153	693.111	ug/l		100
60) Dibromochloromethane	11.129	129	442293	150.890	ug/l		100
61) 1,2-Dibromoethane	11.239	107	357193	143.785	ug/l		97
64) Tetrachloroethene	10.867	164	350332	146.849	ug/l		96
65) Chlorobenzene	11.660	112	1308167	147.719	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.727	131	415946	151.507	ug/l		99
67) Ethyl Benzene	11.727	91	2319514	149.072	ug/l		97
68) m/p-Xylenes	11.836	106	1740273	297.100	ug/l		100
69) o-Xylene	12.166	106	846824	152.763	ug/l		99
70) Styrene	12.178	104	1419800	150.432	ug/l		99
71) Bromoform	12.349	173	228504	152.187	ug/l	#	99
73) Isopropylbenzene	12.458	105	2118035	151.692	ug/l		99
74) N-amyl acetate	12.269	43	565165	149.722	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	419030	141.385	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	542704	246.333	ug/l	#	100
77) Bromobenzene	12.745	156	452752	149.865	ug/l		95
78) n-propylbenzene	12.800	91	2550787	148.745	ug/l		98
79) 2-Chlorotoluene	12.891	91	1538753	150.285	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1765381	150.754	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	151238	157.156	ug/l		96
82) 4-Chlorotoluene	12.983	91	1582046	147.284	ug/l		98
83) tert-Butylbenzene	13.202	119	1484103	148.784	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1754255	148.004	ug/l		99
85) sec-Butylbenzene	13.379	105	2245185	149.881	ug/l		99
86) p-Isopropyltoluene	13.495	119	1828574	147.687	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	897163	142.664	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	860596	139.697	ug/l		97
89) n-Butylbenzene	13.818	91	1809075	148.944	ug/l		97
90) Hexachloroethane	14.086	117	338316	158.018	ug/l		89
91) 1,2-Dichlorobenzene	13.867	146	794424	142.542	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	77276	144.321	ug/l		98
93) 1,2,4-Trichlorobenzene	15.122	180	487461	145.031	ug/l		93
94) Hexachlorobutadiene	15.226	225	234457	147.210	ug/l		96
95) Naphthalene	15.360	128	1247633	150.984	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	444087	145.827	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

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

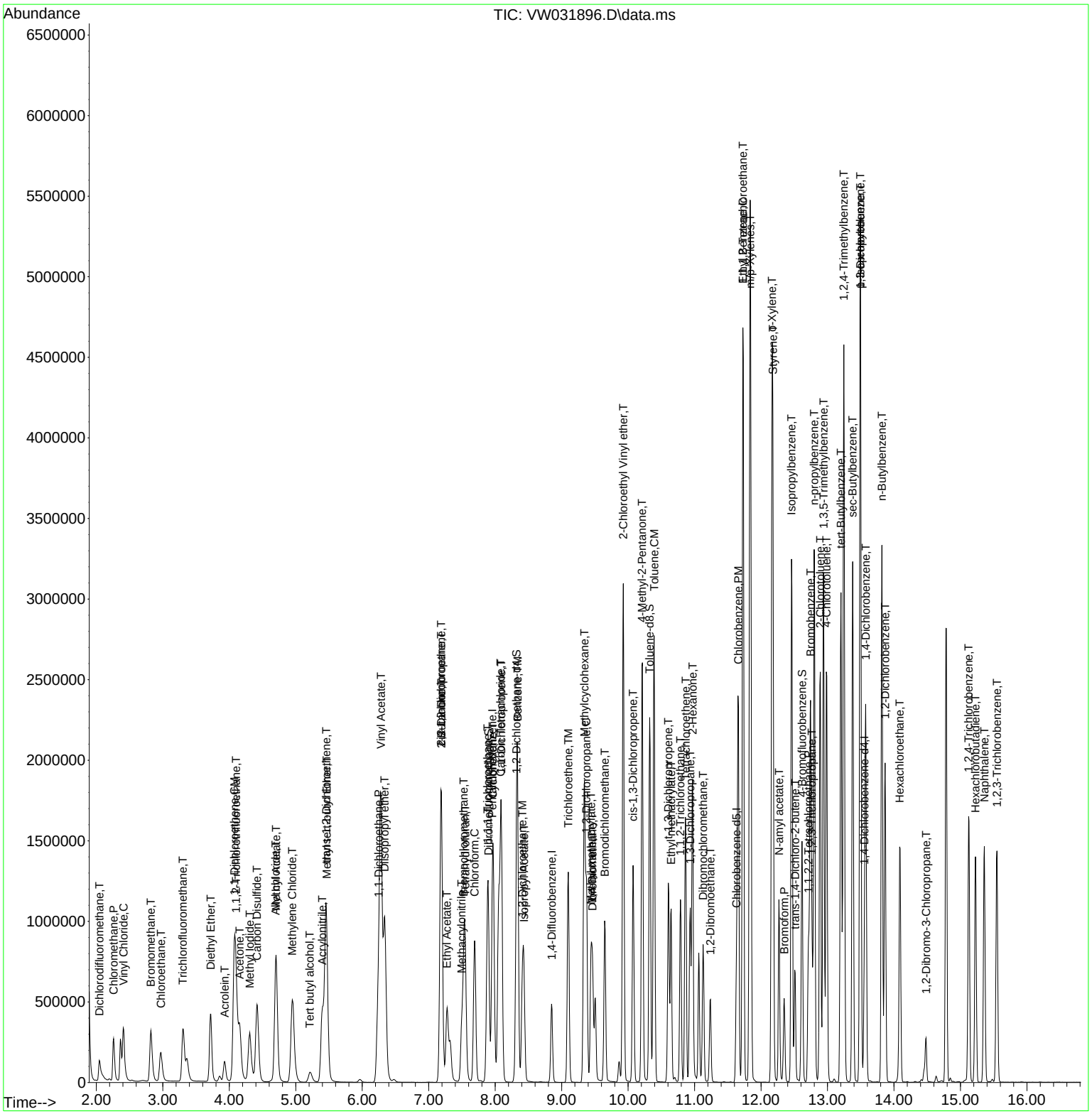
(#) = qualifier out of range (m) = manual integration (+) = signals summed

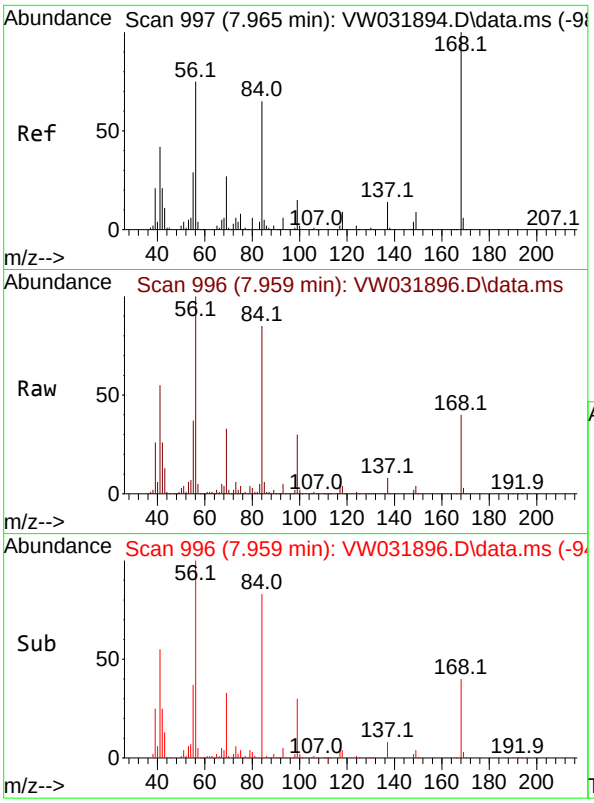
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration



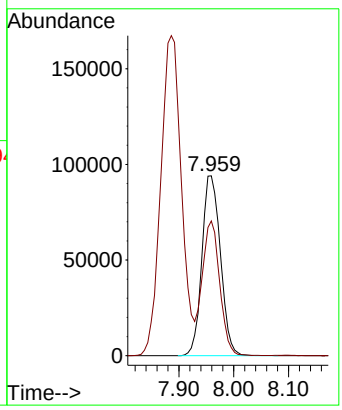


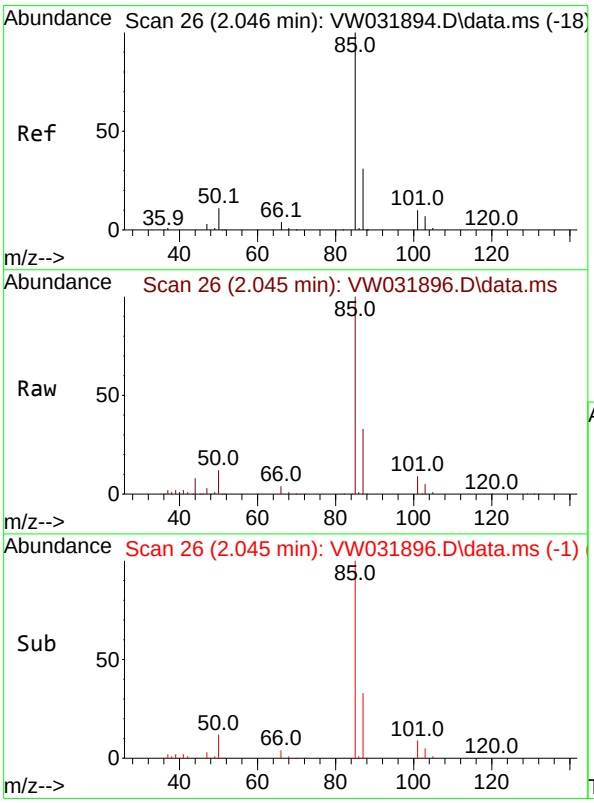
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 220427

Ion	Ratio	Lower	Upper
168	100		
99	74.6	48.2	72.2#

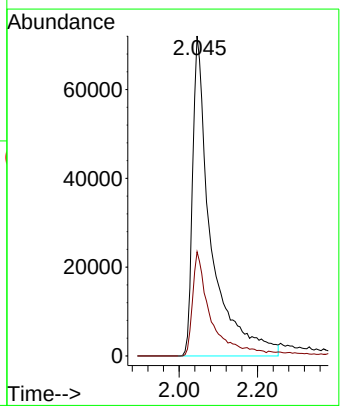


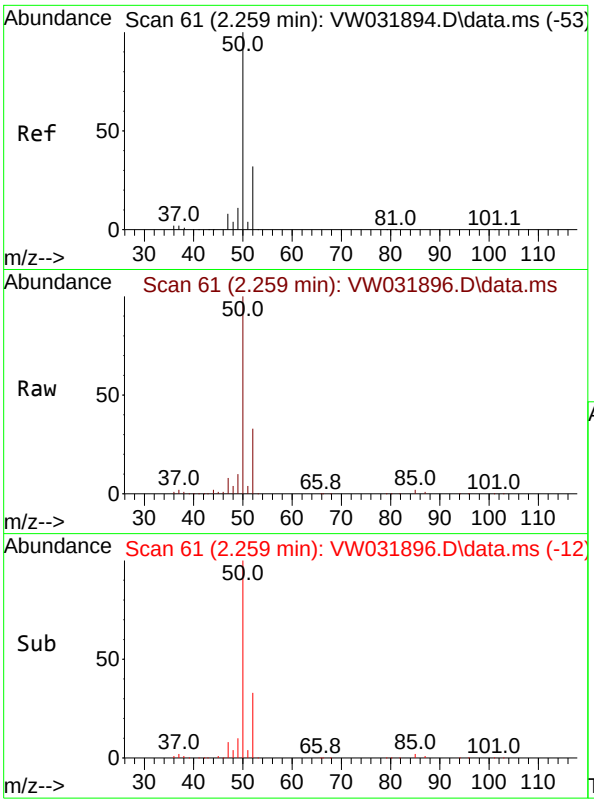


#2
Dichlorodifluoromethane
Concen: 144.250 ug/l
RT: 2.045 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 85 Resp: 236321

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.5	46.5



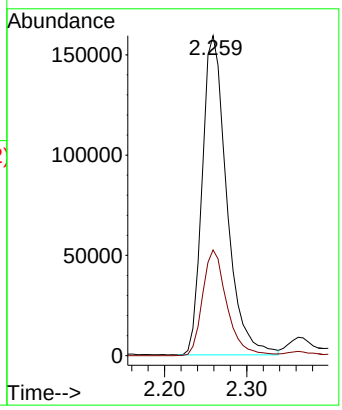


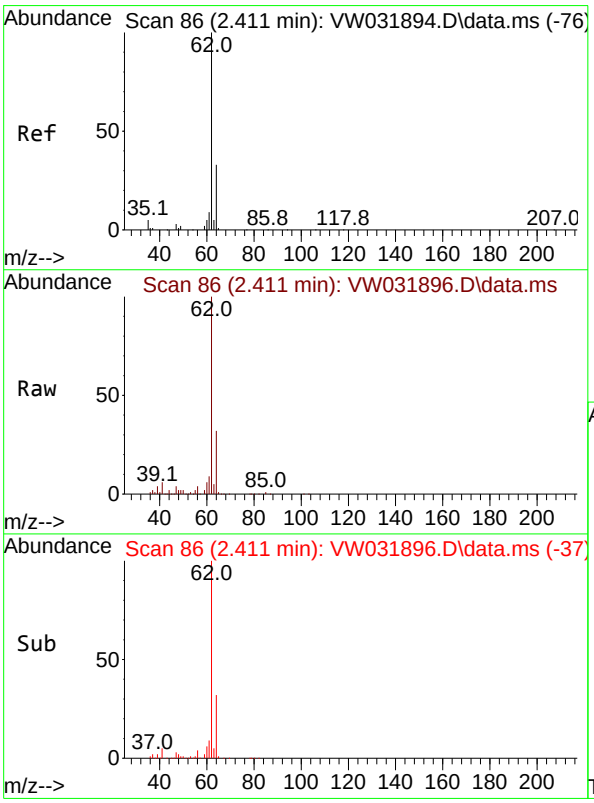
#3
Chloromethane
Concen: 156.720 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 329540

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.7	38.5

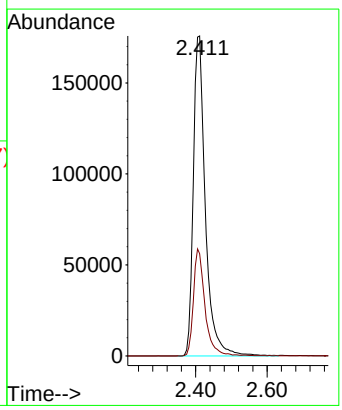


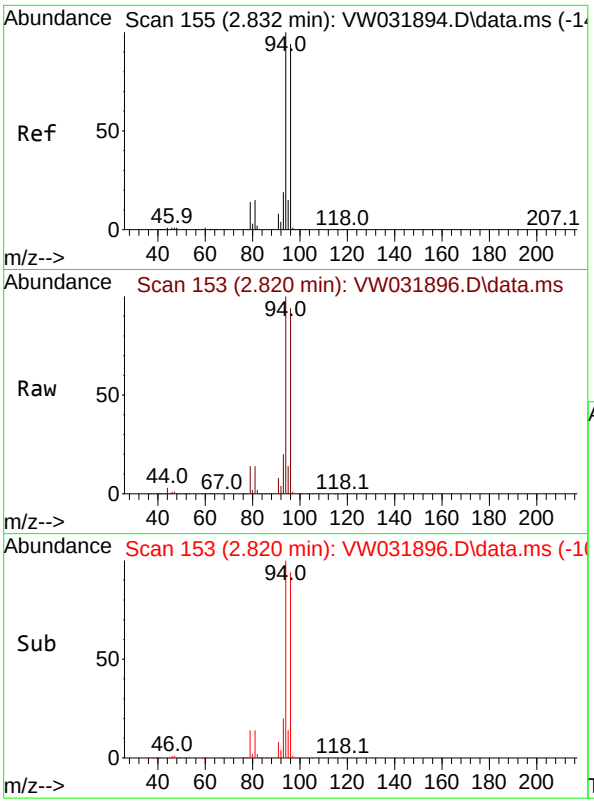


#4
Vinyl Chloride
Concen: 151.000 ug/l
RT: 2.411 min Scan# 86
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 62 Resp: 412456

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.2	39.2



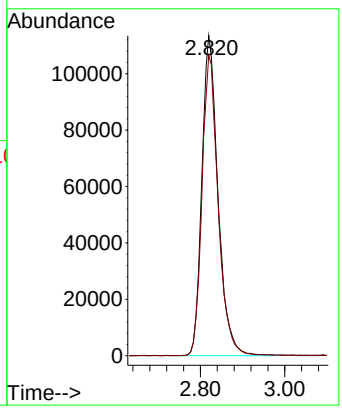


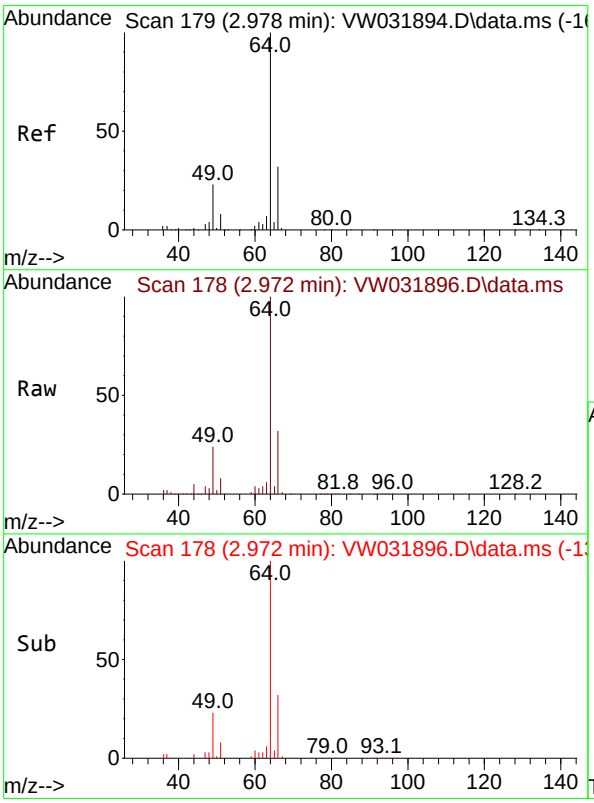
#5
Bromomethane
Concen: 150.249 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 302212

Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.6

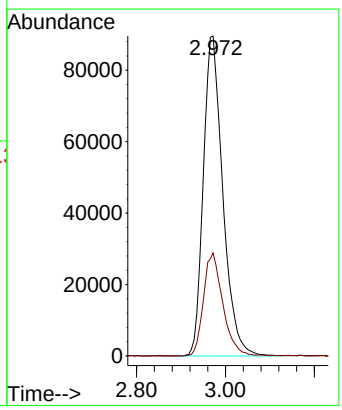


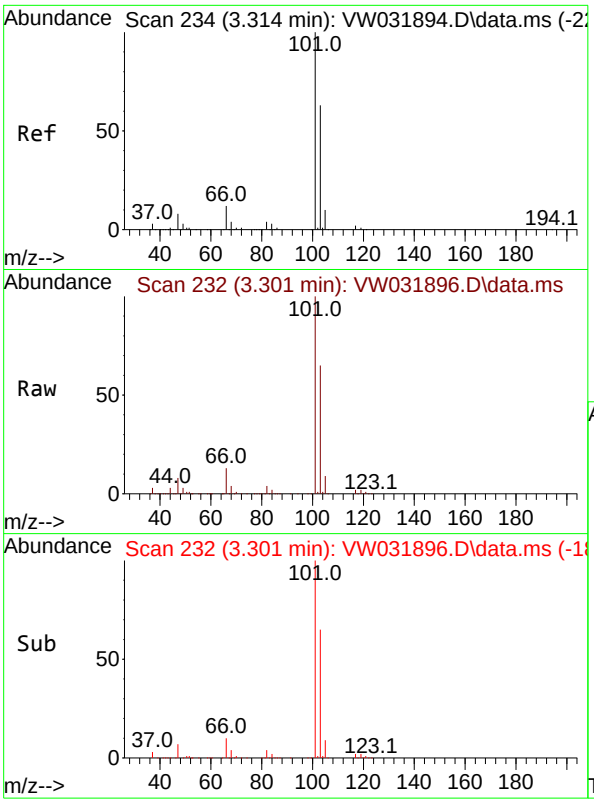


#6
Chloroethane
Concen: 151.843 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 64 Resp: 273738

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4



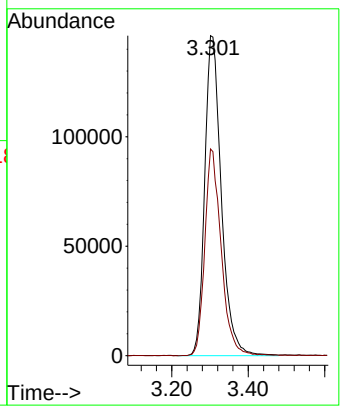


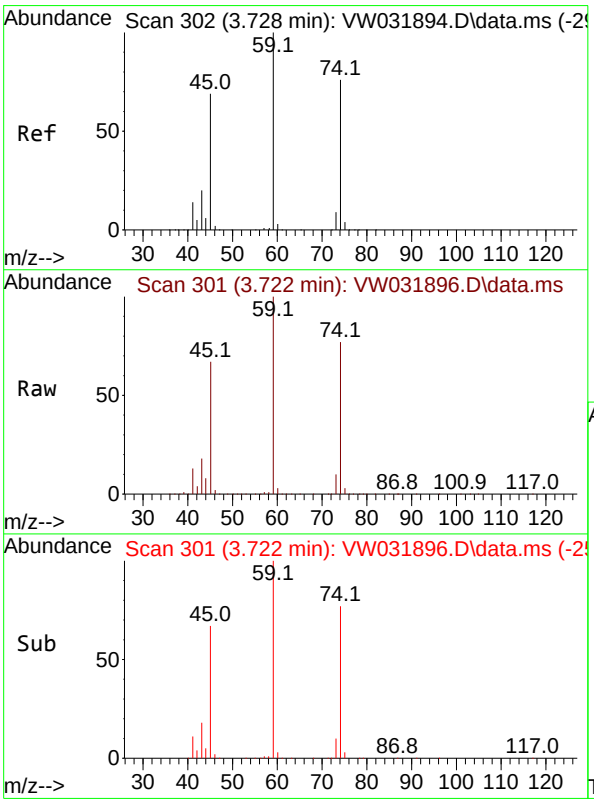
#7
Trichlorofluoromethane
Concen: 159.125 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 440230

Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.7	76.1

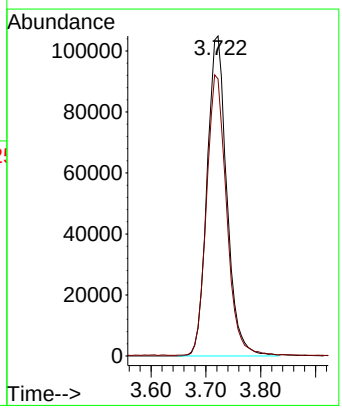


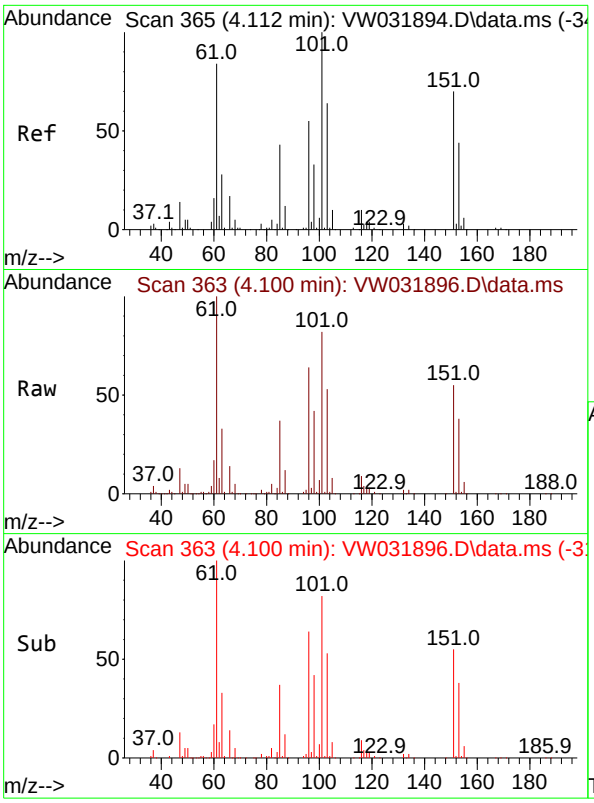


#8
Diethyl Ether
Concen: 141.526 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 74 Resp: 261548

Ion	Ratio	Lower	Upper
74	100		
45	88.8	45.5	136.5



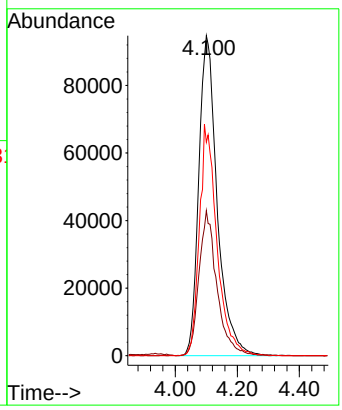


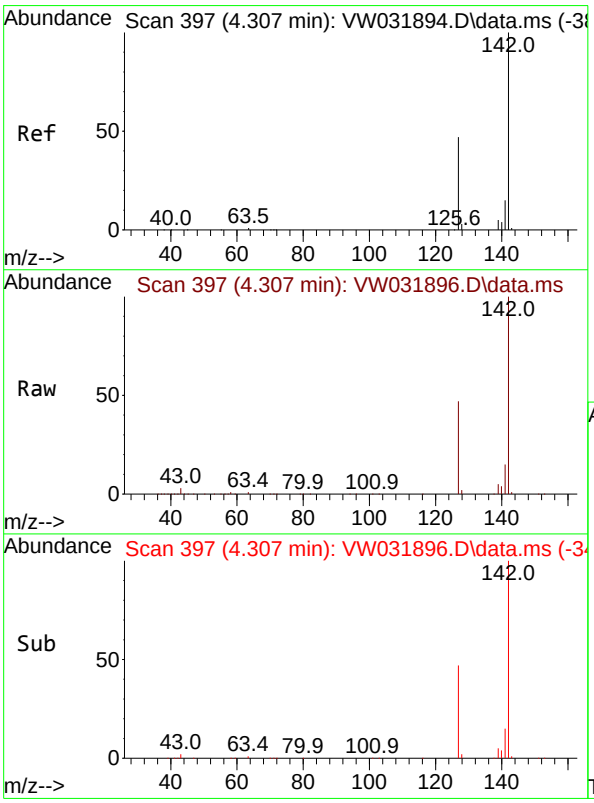
#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.583 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 390066

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	69.1	54.6	81.8

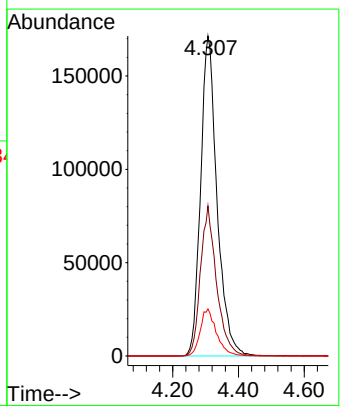


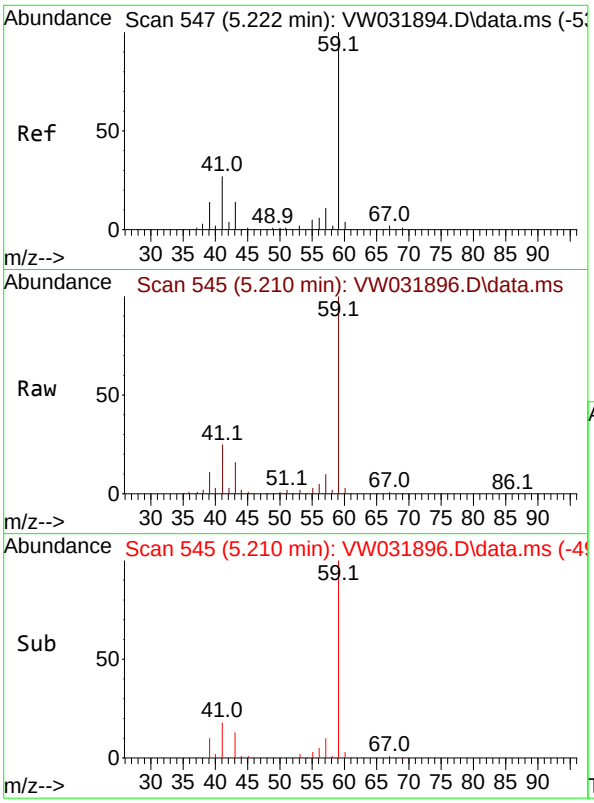


#10
Methyl Iodide
Concen: 149.628 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:142 Resp: 595320

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.4	56.2
141	14.5	11.9	17.9



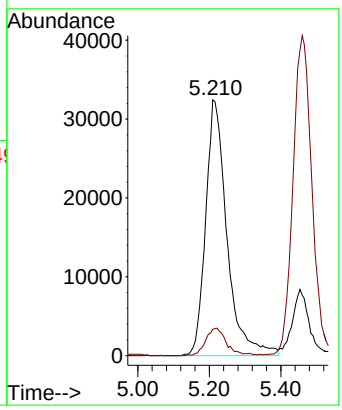


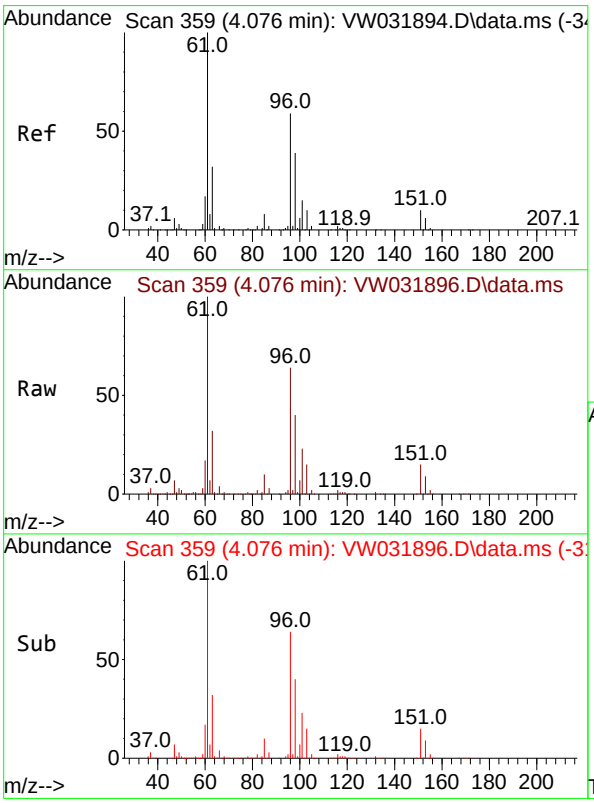
#11
Tert butyl alcohol
Concen: 685.235 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 134310

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

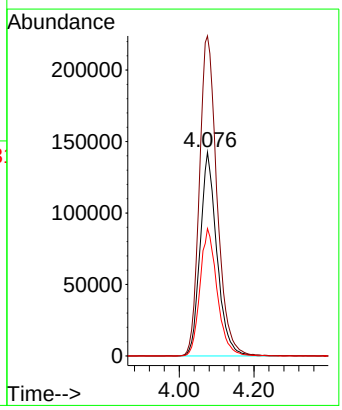


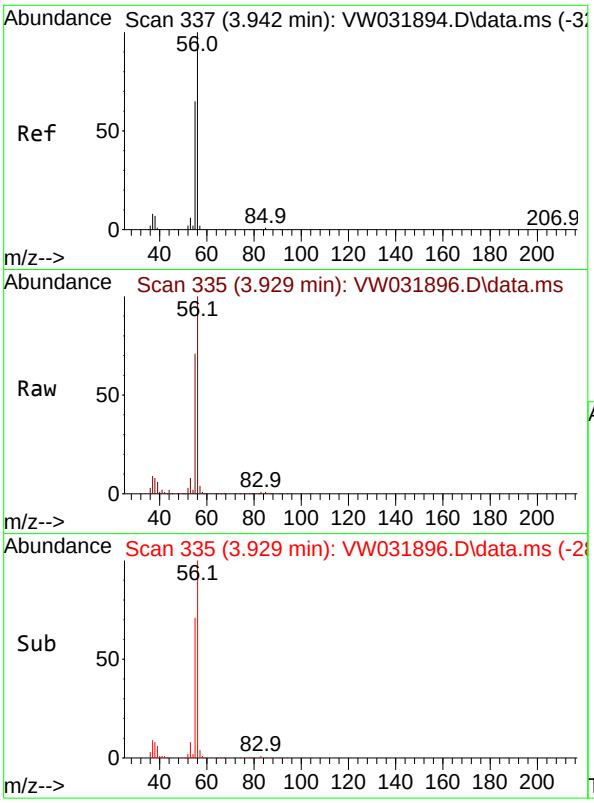


#12
1,1-Dichloroethene
Concen: 150.541 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 96 Resp: 442469

Ion	Ratio	Lower	Upper
96	100		
61	157.1	135.0	202.6
98	62.5	52.3	78.5



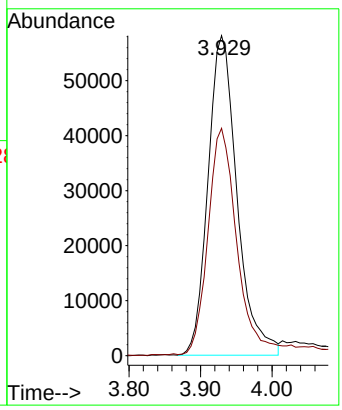


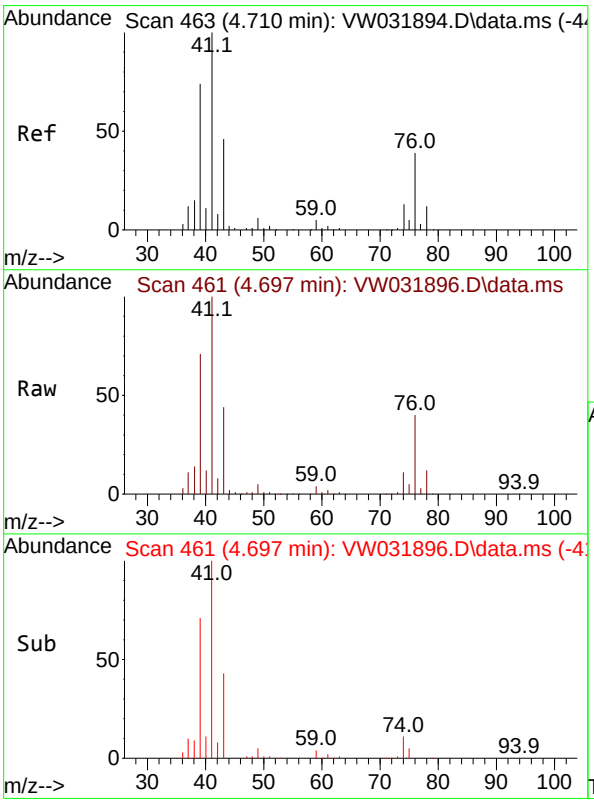
#13
Acrolein
Concen: 739.113 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 164048

Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.7	85.1

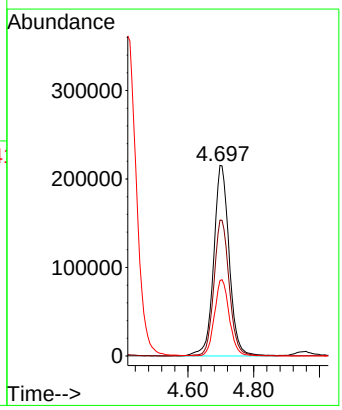


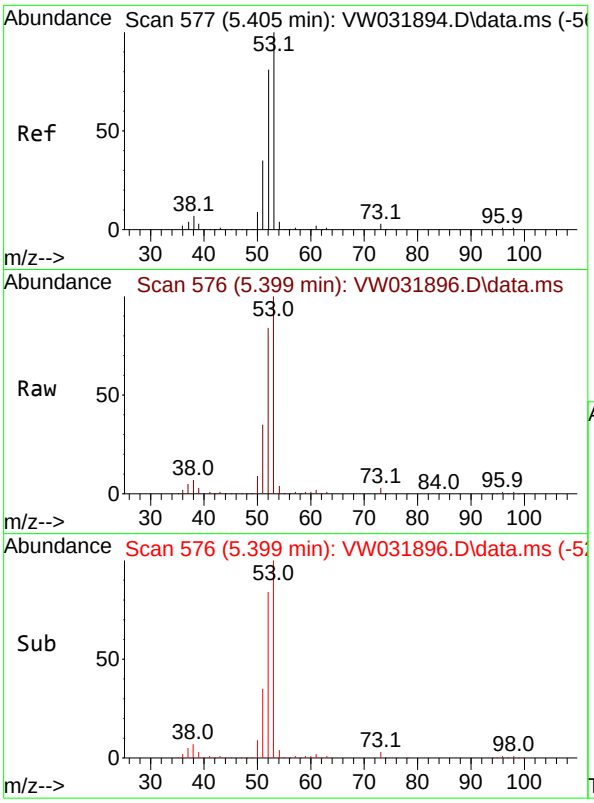


#14
Allyl chloride
Concen: 153.834 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 41 Resp: 703862

Ion	Ratio	Lower	Upper
41	100		
39	70.2	56.6	85.0
76	38.0	30.1	45.1



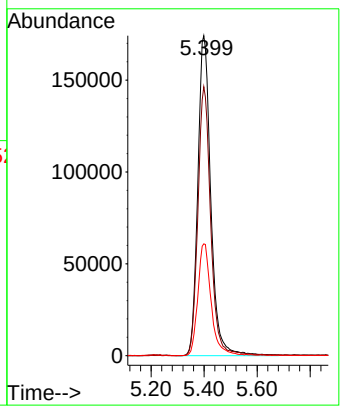


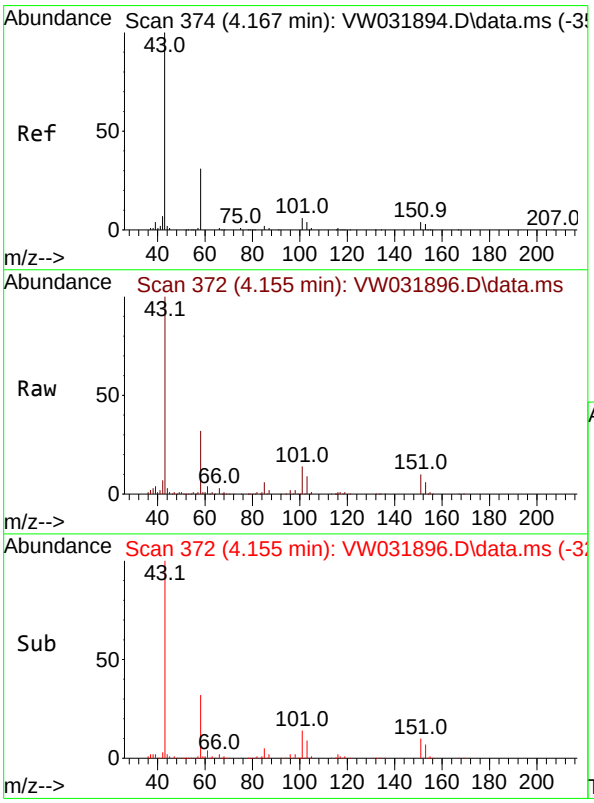
#15
Acrylonitrile
Concen: 719.982 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 594863

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	36.0	29.9	44.9

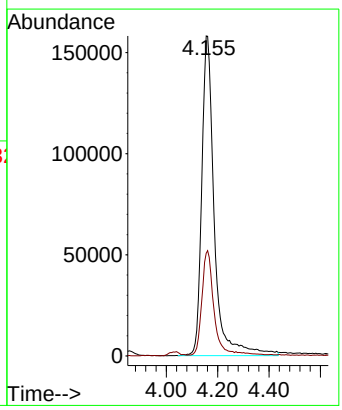


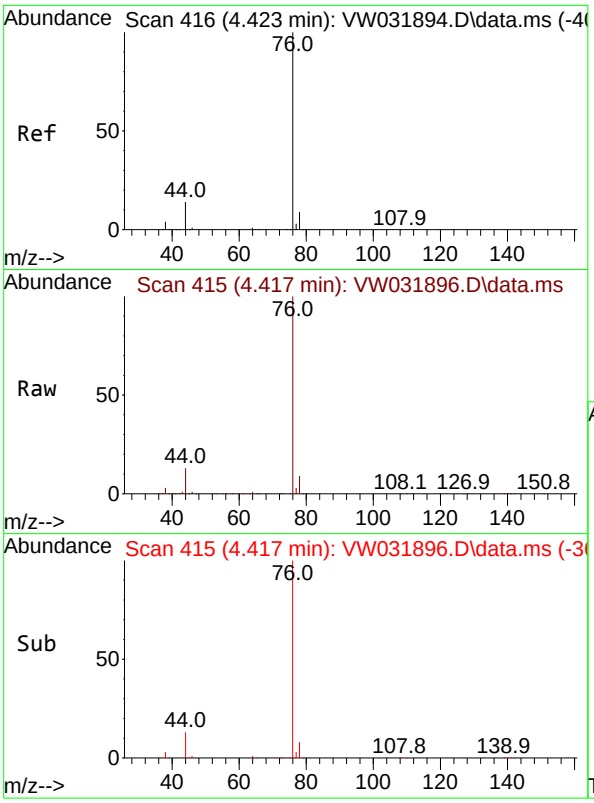


#16
Acetone
Concen: 680.547 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 538491

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3



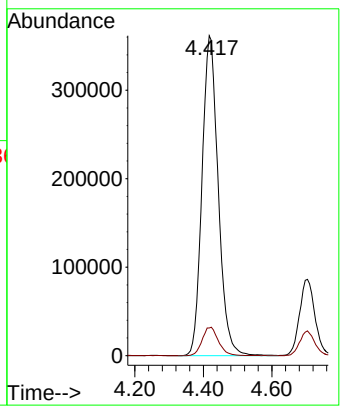


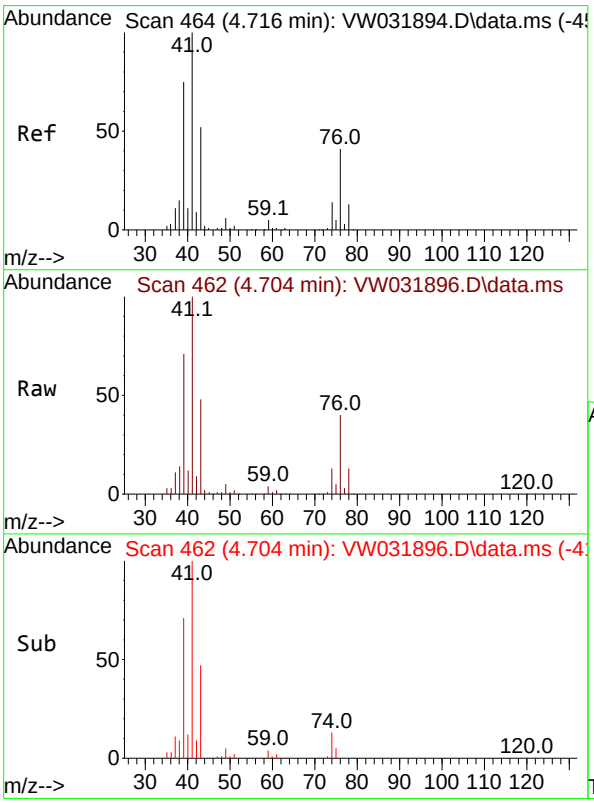
#17
Carbon Disulfide
Concen: 156.005 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1189183

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

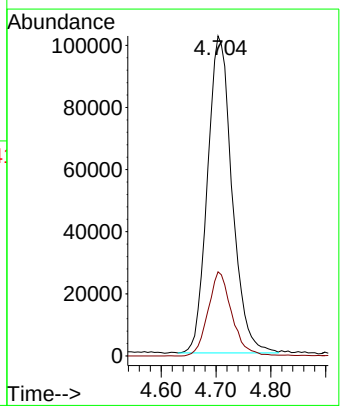


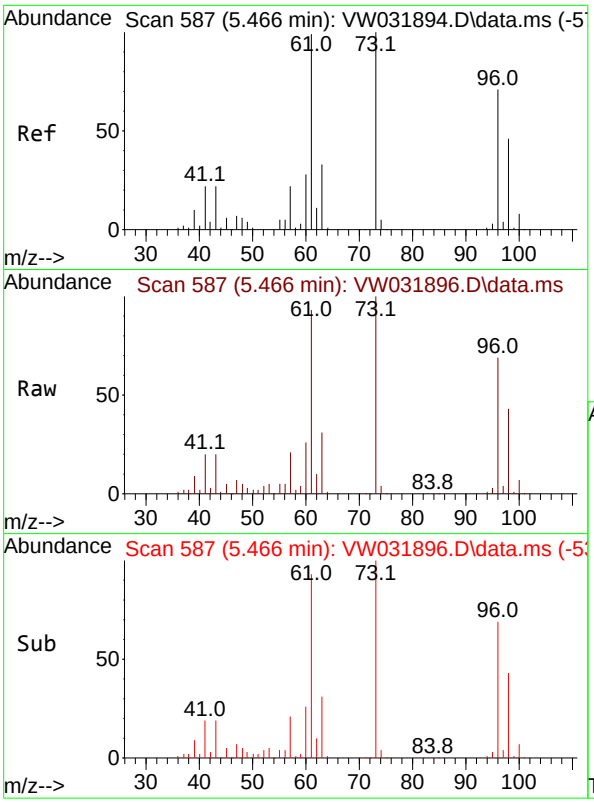


#18
Methyl Acetate
Concen: 145.961 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 318191

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	31.0



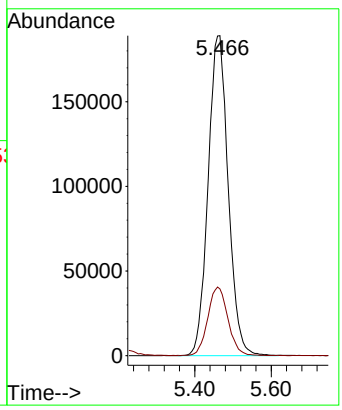


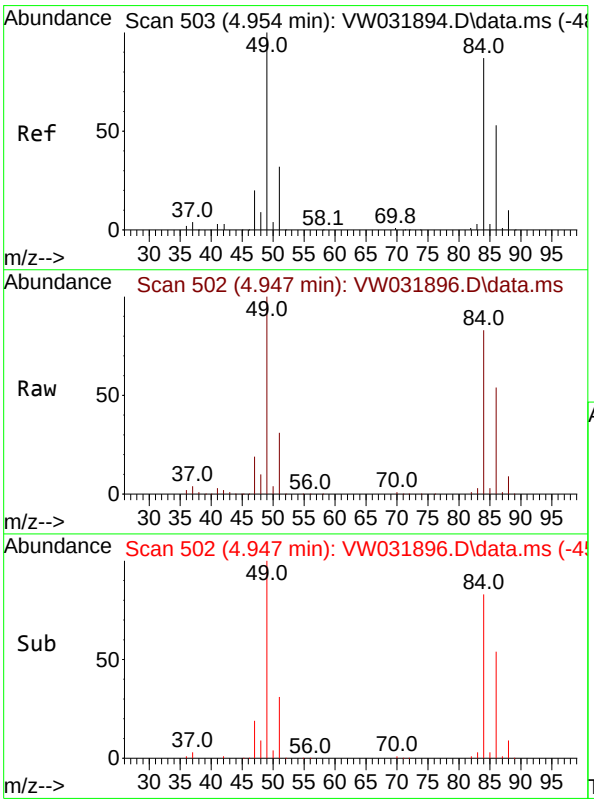
#19
Methyl tert-butyl Ether
Concen: 135.668 ug/l
RT: 5.466 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 688978

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.5	26.3

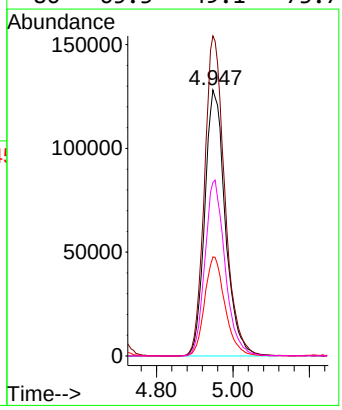


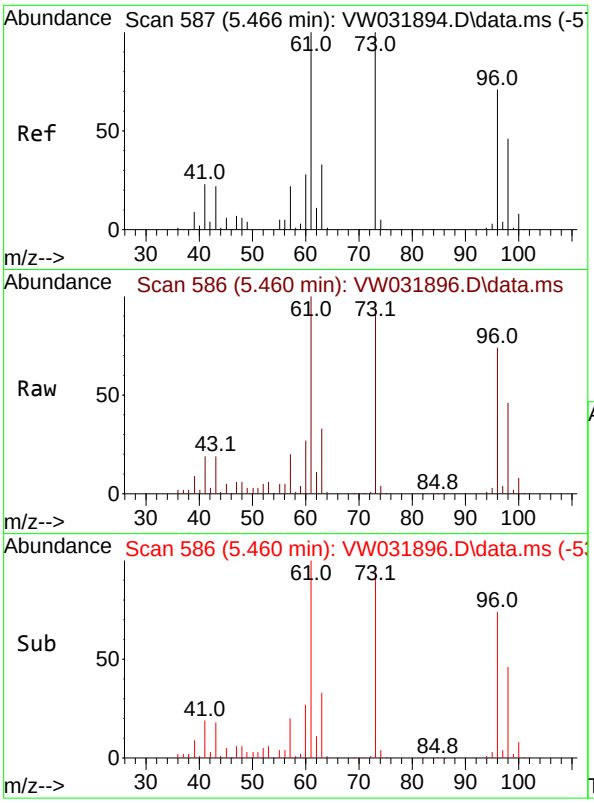


#20
Methylene Chloride
Concen: 150.364 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.007 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 84 Resp: 477228

Ion	Ratio	Lower	Upper
84	100		
49	120.3	91.9	137.9
51	37.2	29.0	43.6
86	65.3	49.1	73.7



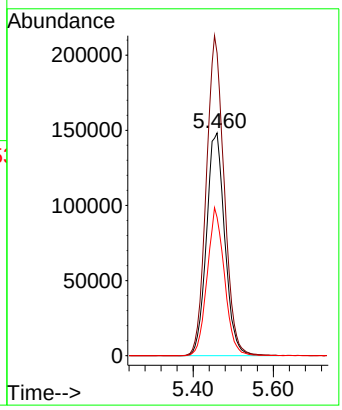


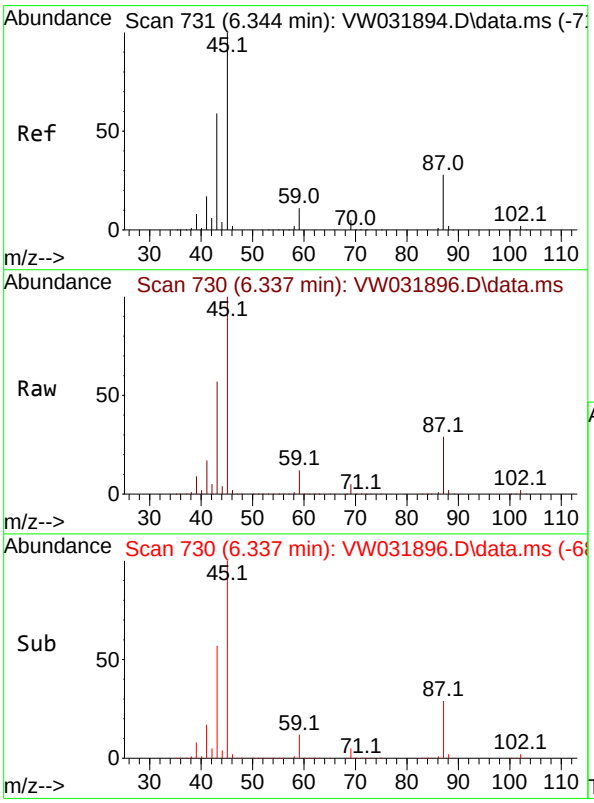
#21
trans-1,2-Dichloroethene
Concen: 150.934 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 470689

Ion	Ratio	Lower	Upper
96	100		
61	135.8	112.8	169.2
98	62.0	51.9	77.9

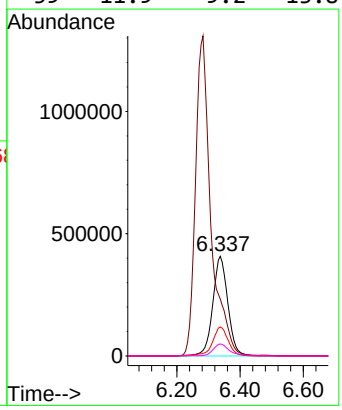


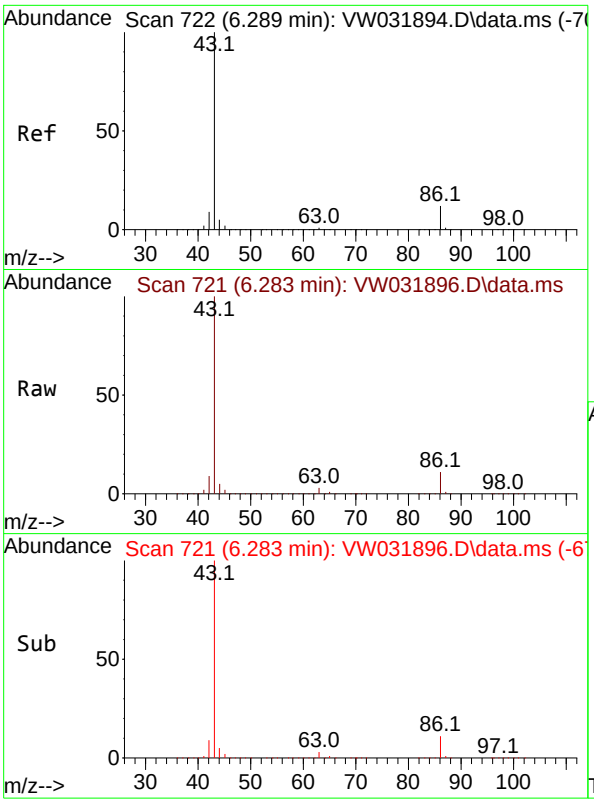


#22
Diisopropyl ether
Concen: 146.962 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 45 Resp: 1345510

Ion	Ratio	Lower	Upper
45	100		
43	57.0	47.0	70.6
87	29.0	22.8	34.2
59	11.9	9.2	13.8



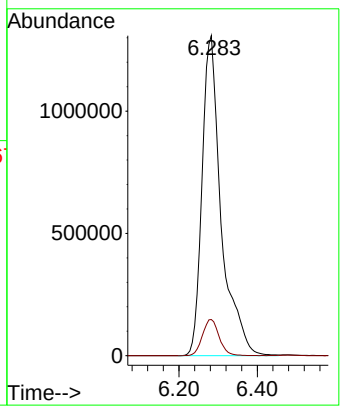


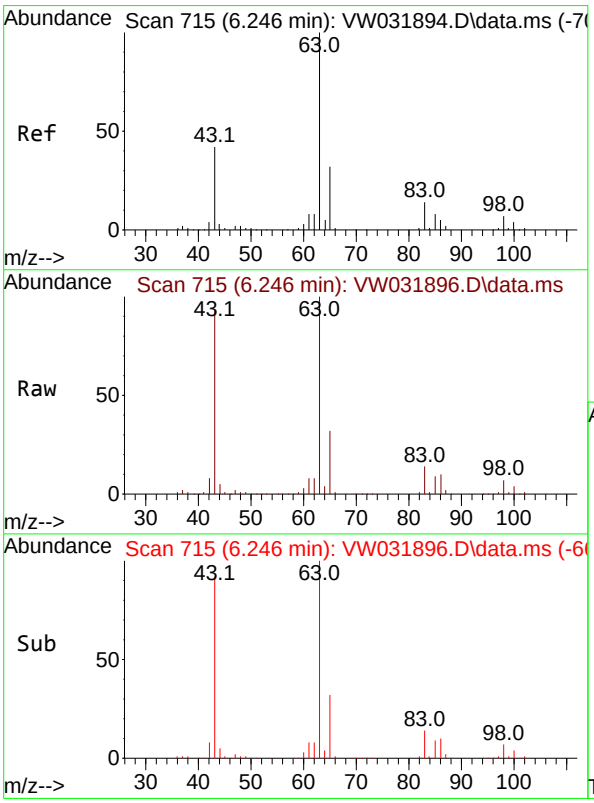
#23
Vinyl Acetate
Concen: 742.410 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4440675

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.4	14.2

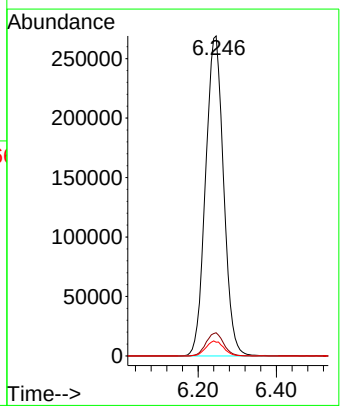


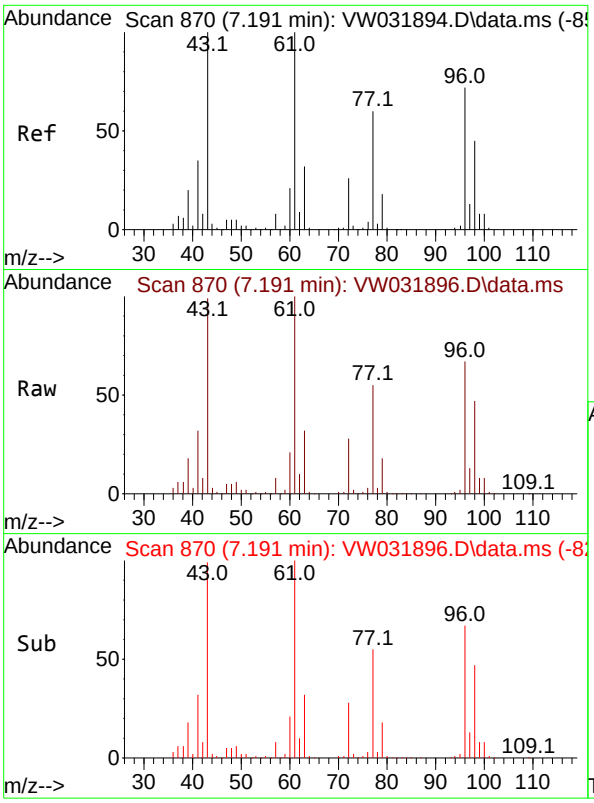


#24
1,1-Dichloroethane
Concen: 150.310 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 63 Resp: 856816

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	4.3	2.2	6.6



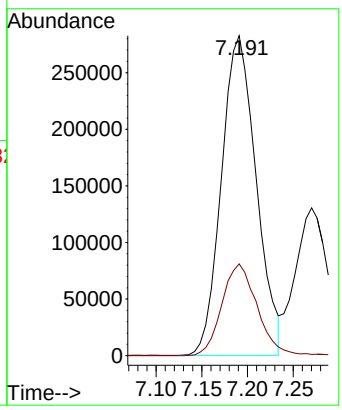


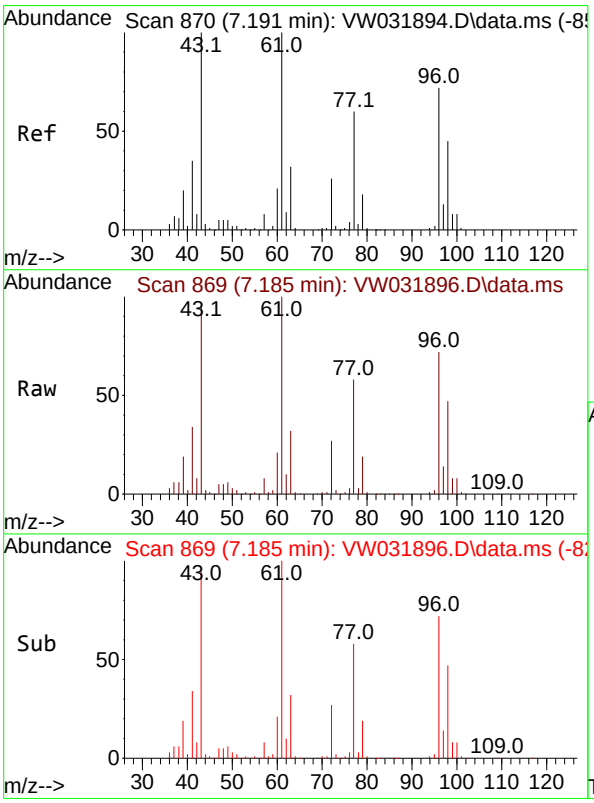
#25
2-Butanone
Concen: 691.906 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 749073

Ion	Ratio	Lower	Upper
43	100		
72	28.7	20.8	31.2

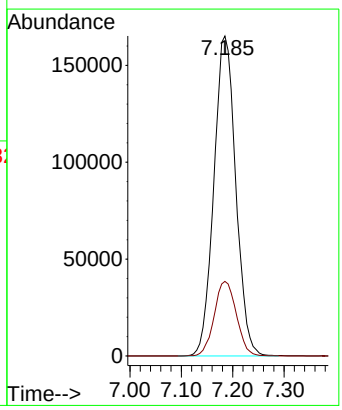


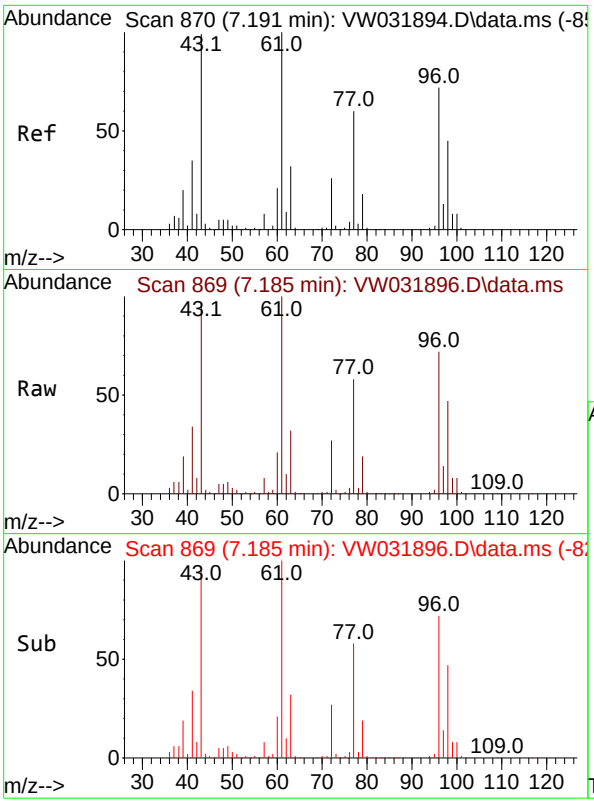


#26
2,2-Dichloropropane
Concen: 151.639 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 77 Resp: 489368

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.4	34.1



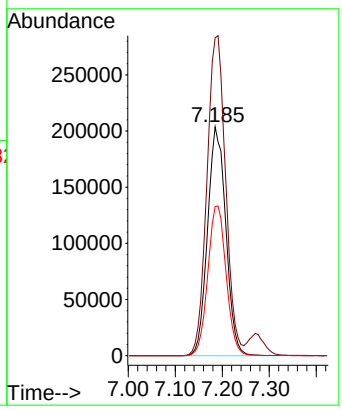


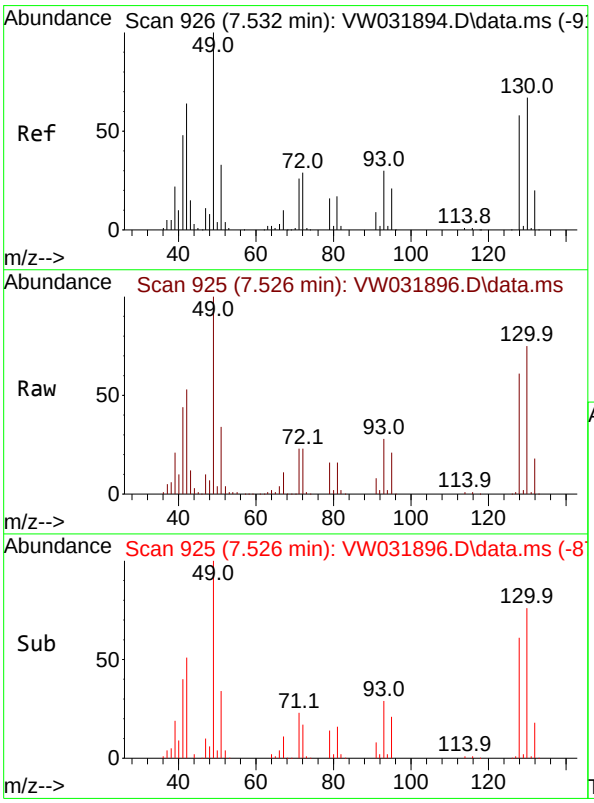
#27
cis-1,2-Dichloroethene
Concen: 149.926 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 549658

Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	280.2
98	65.8	0.0	126.8

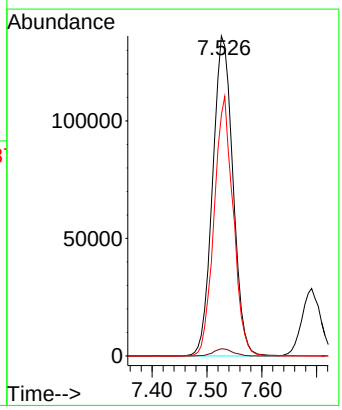


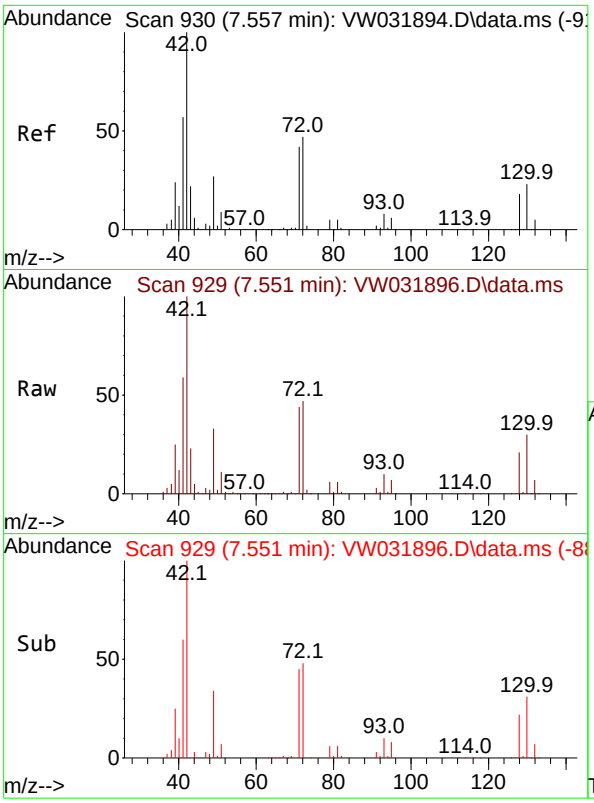


#28
Bromochloromethane
Concen: 147.009 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 49 Resp: 350866

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.2	59.0	88.4



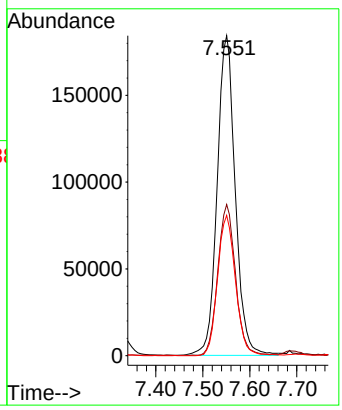


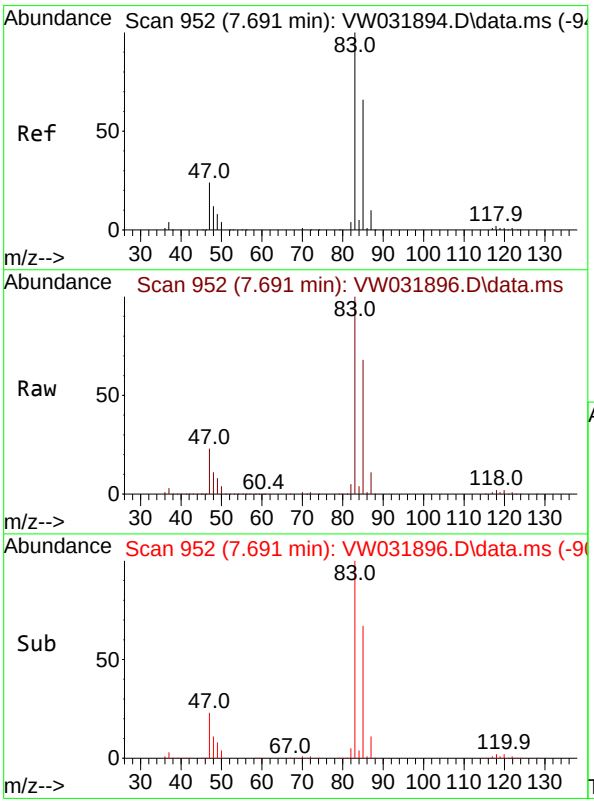
#29
Tetrahydrofuran
Concen: 694.835 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 493192

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.6
71	43.6	34.5	51.7

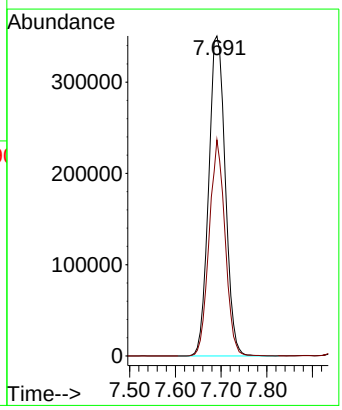


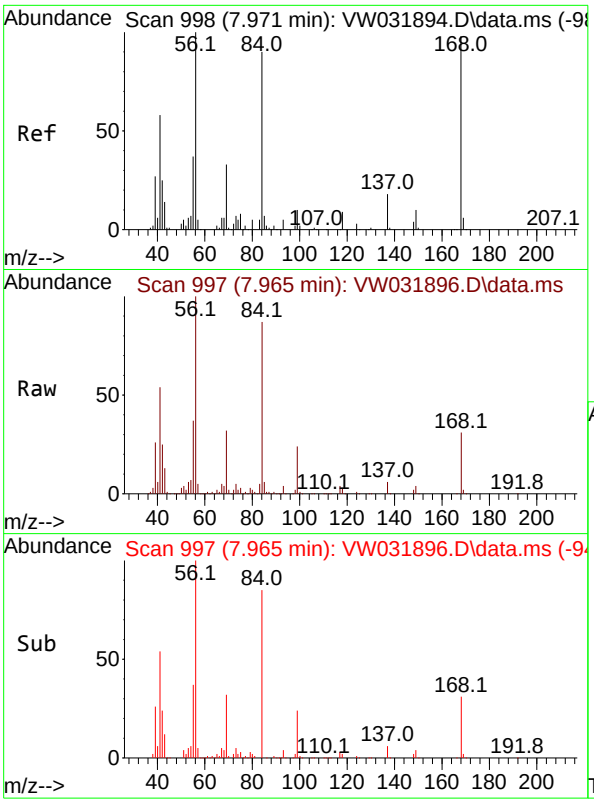


#30
Chloroform
Concen: 148.076 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 83 Resp: 885019

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.6	78.8



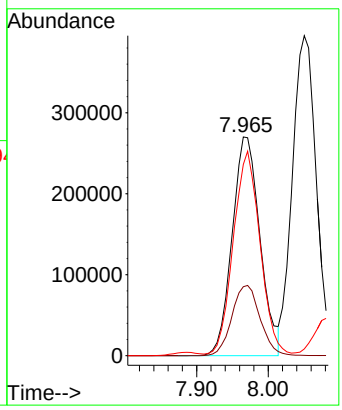


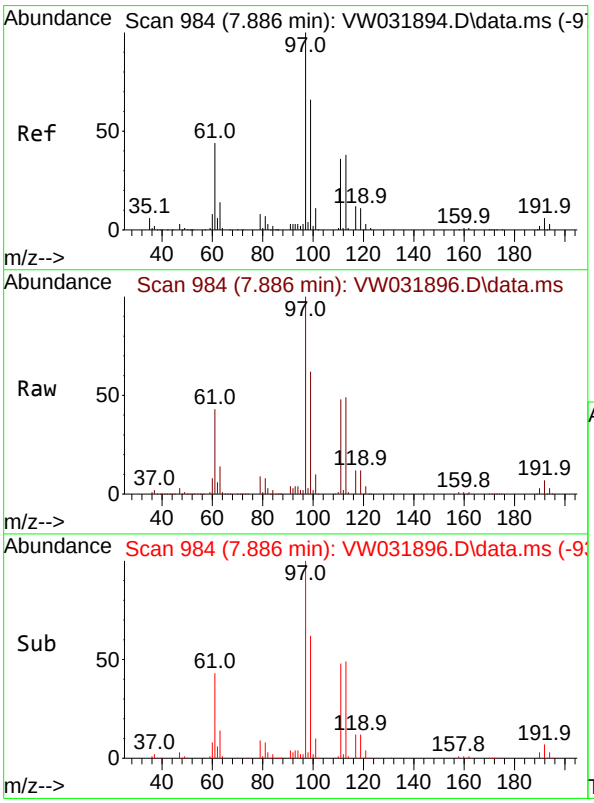
#31
Cyclohexane
Concen: 143.155 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 732101

Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.7	40.1
84	86.1	71.8	107.6

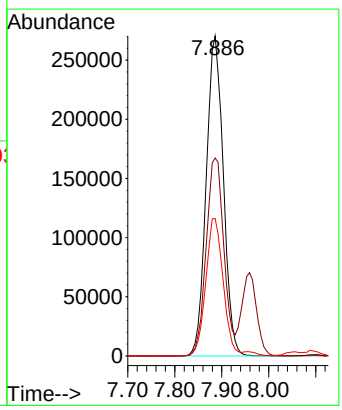


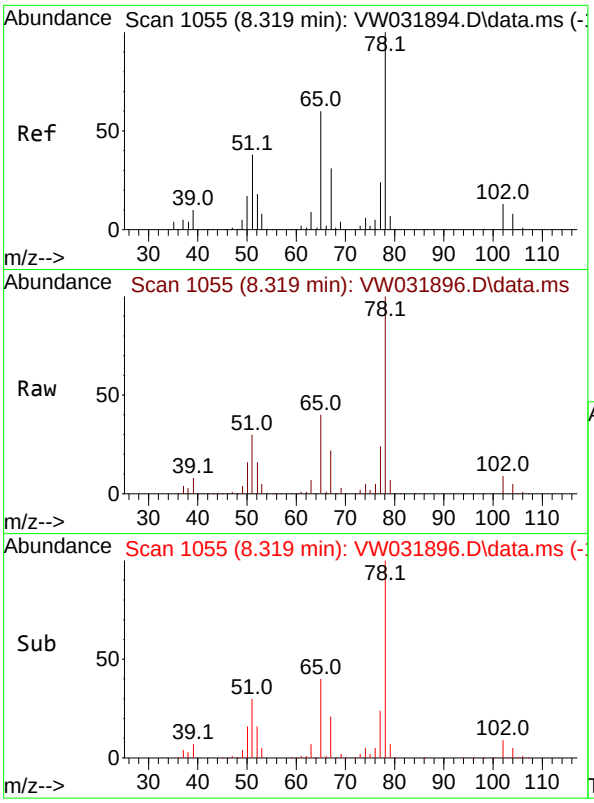


#32
1,1,1-Trichloroethane
Concen: 149.995 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 97 Resp: 682184

Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	43.6	35.4	53.0



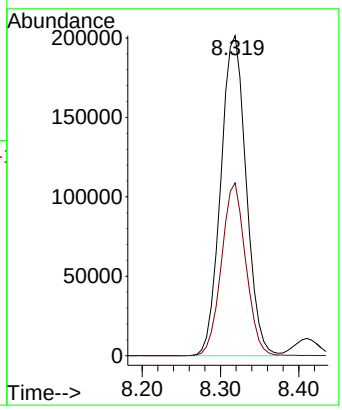


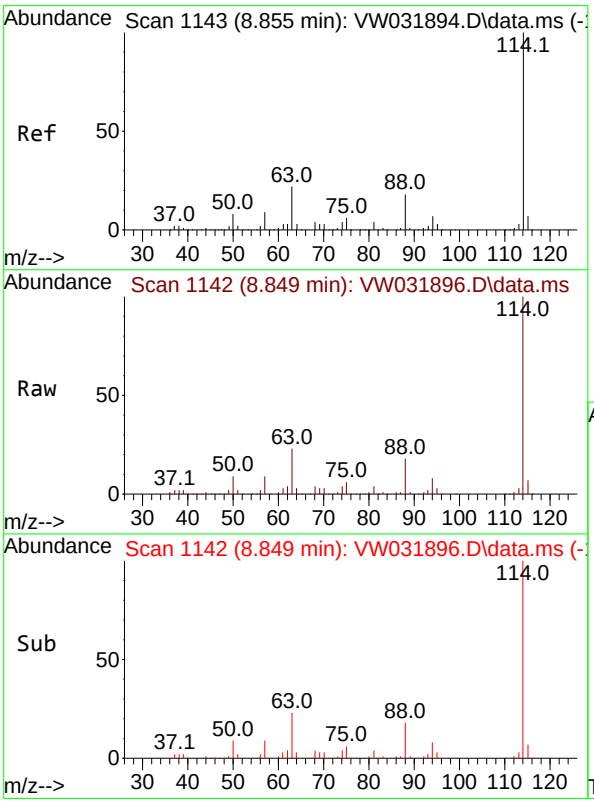
#33
1,2-Dichloroethane-d4
Concen: 136.031 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 453594

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.4

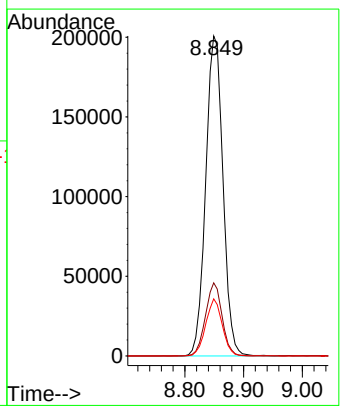


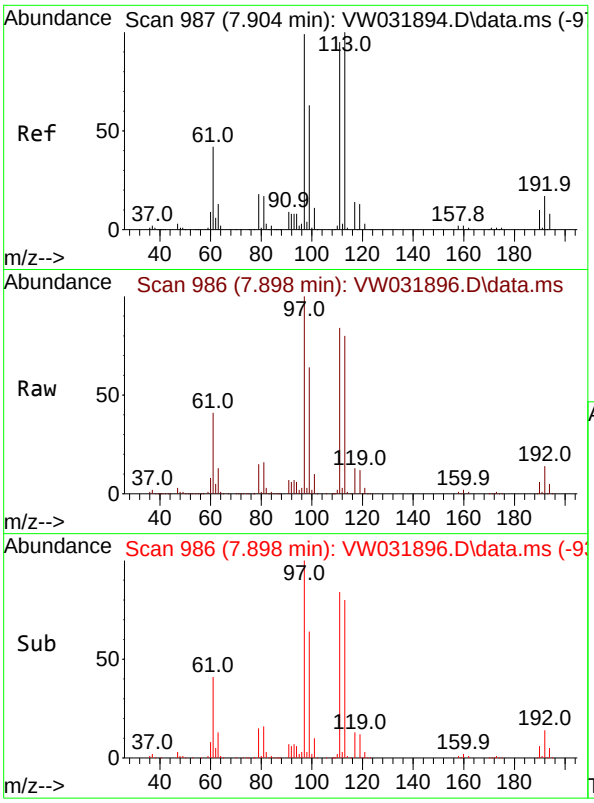


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:114 Resp: 410405

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.2
88	17.9	0.0	35.6



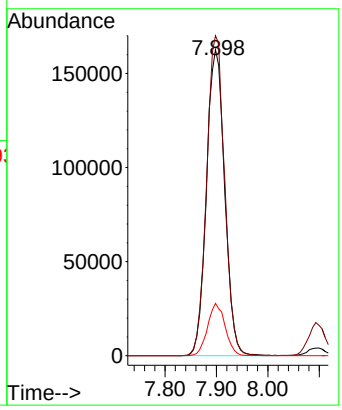


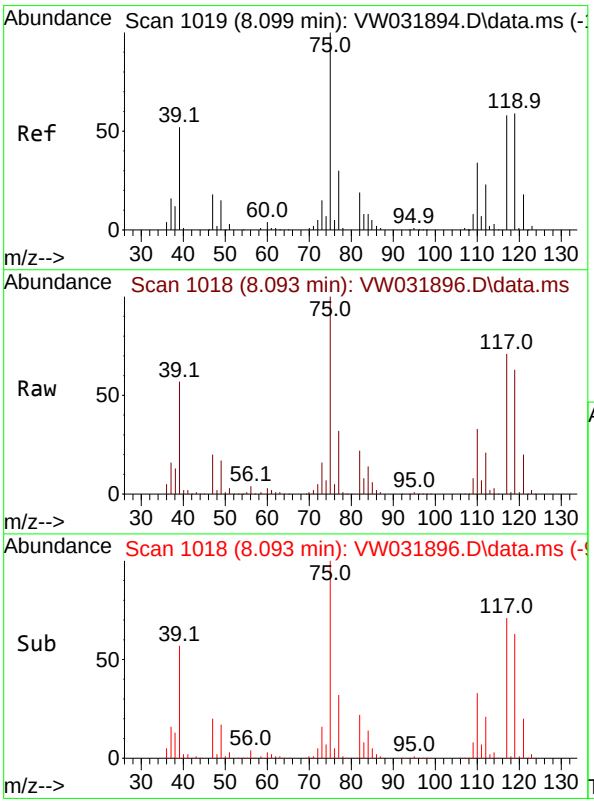
#35
Dibromofluoromethane
Concen: 143.249 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 399487

Ion	Ratio	Lower	Upper
113	100		
111	103.4	79.9	119.9
192	16.5	12.6	19.0

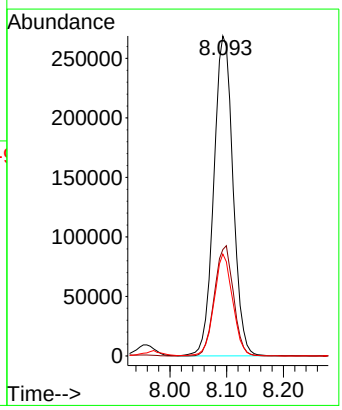


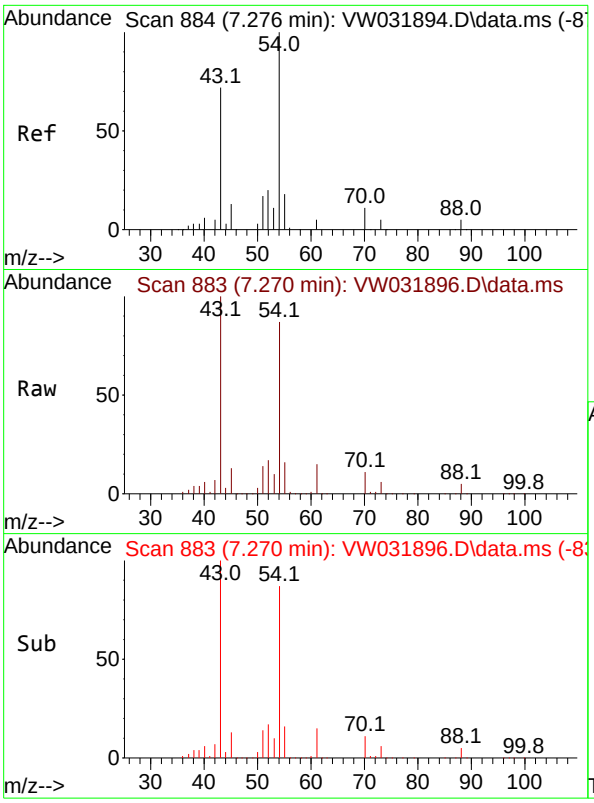


#36
1,1-Dichloropropene
Concen: 147.634 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 632279

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	30.7	25.1	37.7



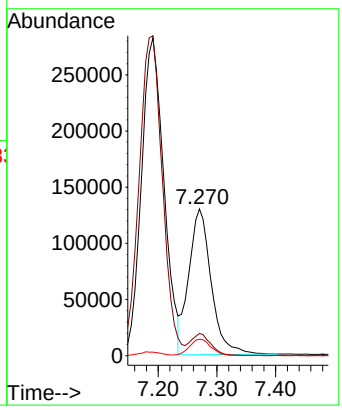


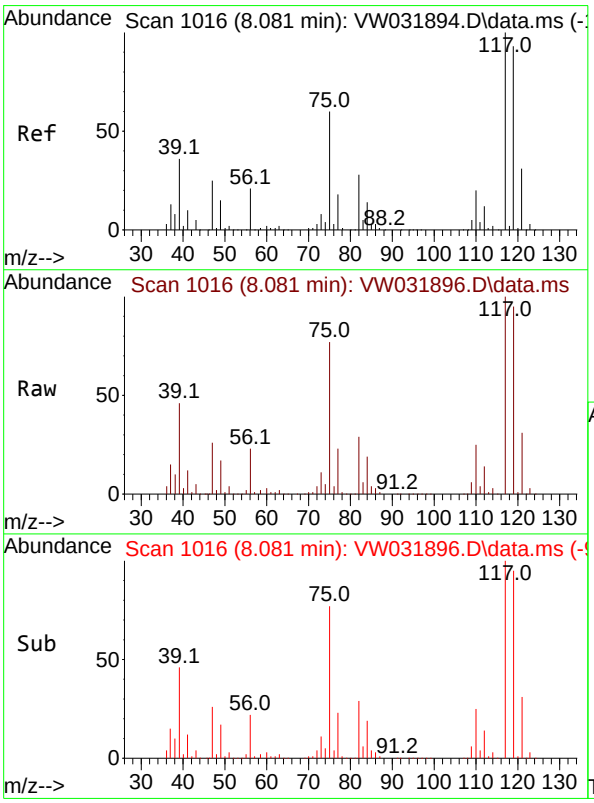
#37
Ethyl Acetate
Concen: 140.974 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 344416

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	11.0	9.0	13.4

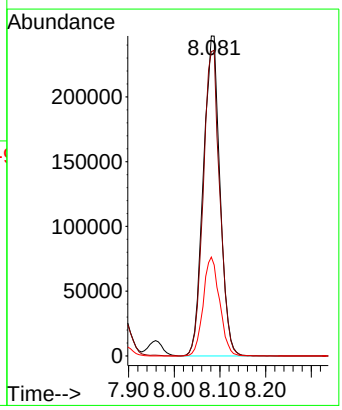


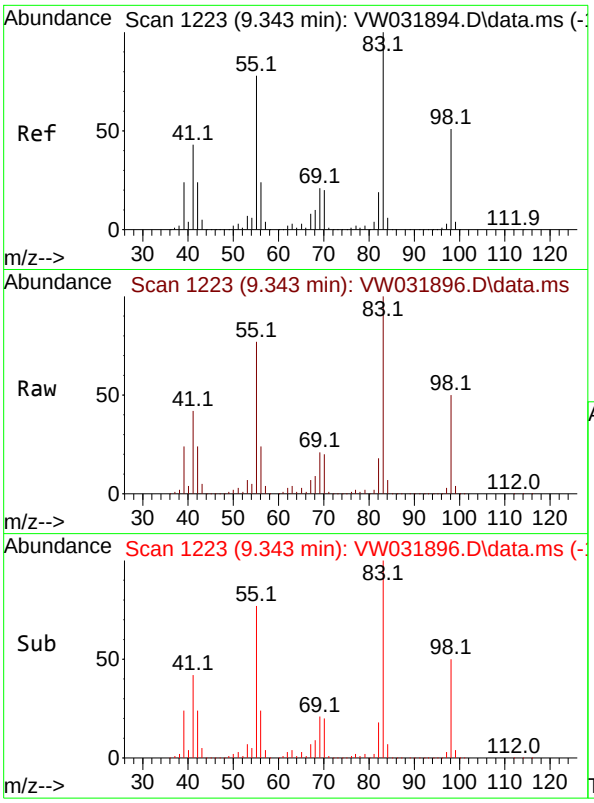


#38
Carbon Tetrachloride
Concen: 151.686 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:117 Resp: 623463

Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.3	111.5
121	30.9	24.6	37.0



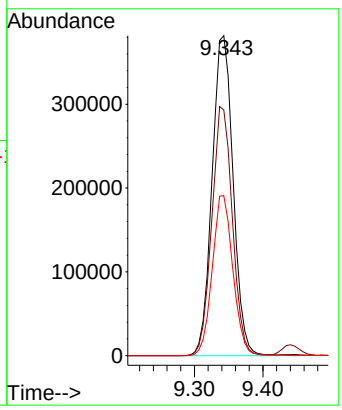


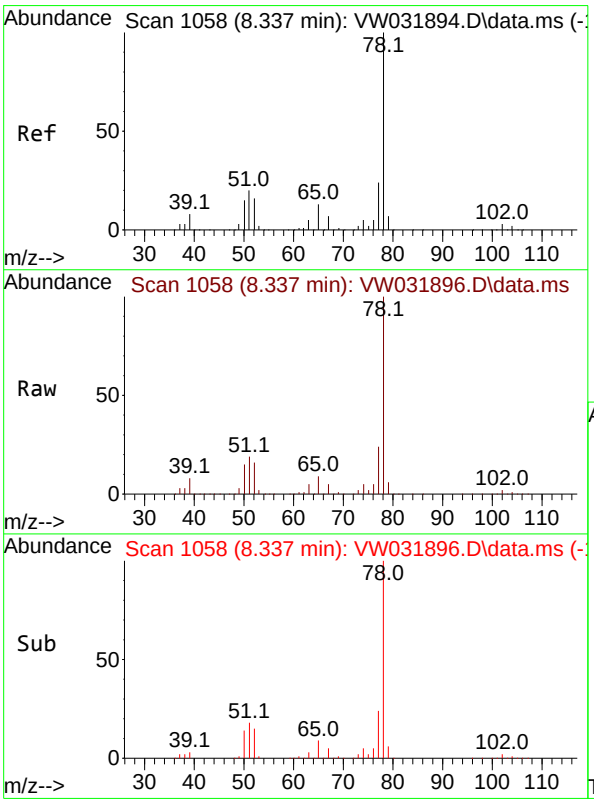
#39
Methylcyclohexane
Concen: 150.600 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 811686

Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.5	93.7
98	50.0	40.6	61.0

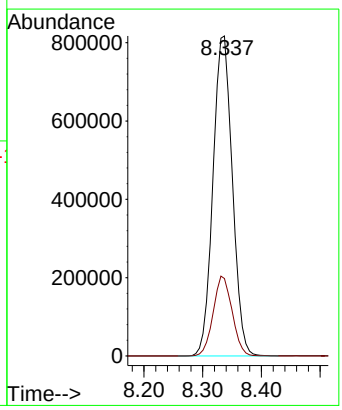


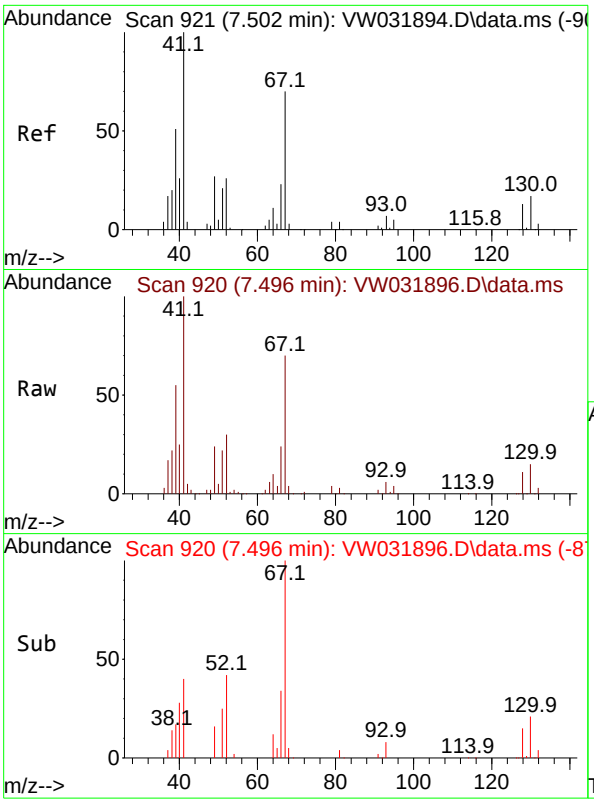


#40
Benzene
Concen: 147.317 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 78 Resp: 1867656

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9



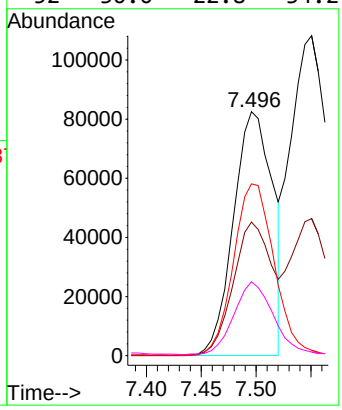


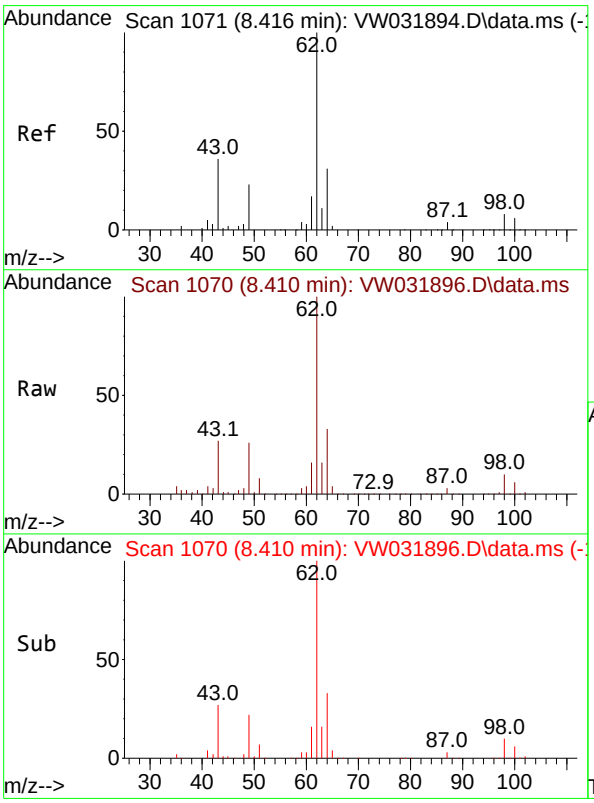
#41
Methacrylonitrile
Concen: 142.282 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 204750

Ion	Ratio	Lower	Upper
41	100		
39	53.7	41.1	61.7
67	73.7	56.2	84.4
52	30.0	22.8	34.2

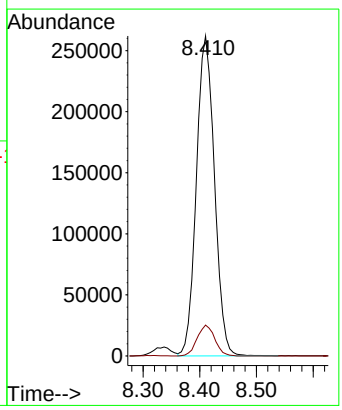


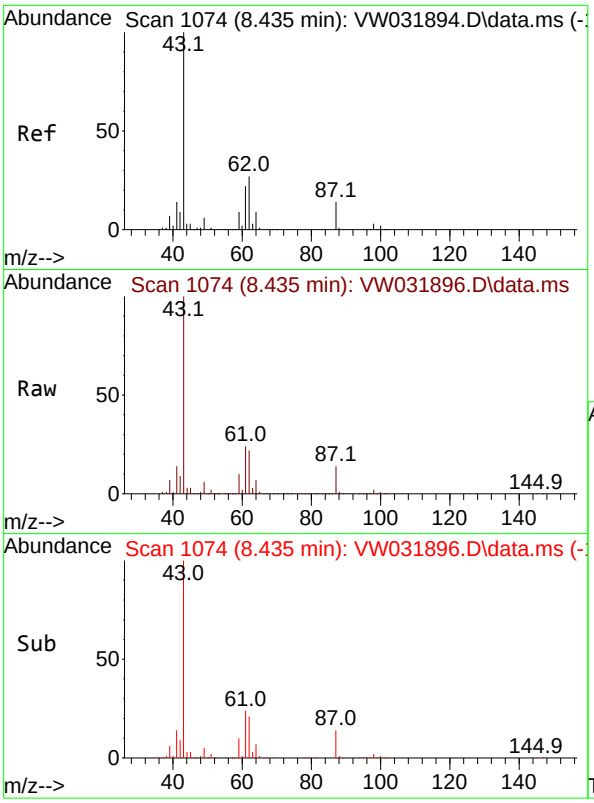


#42
1,2-Dichloroethane
Concen: 142.827 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 62 Resp: 579516

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



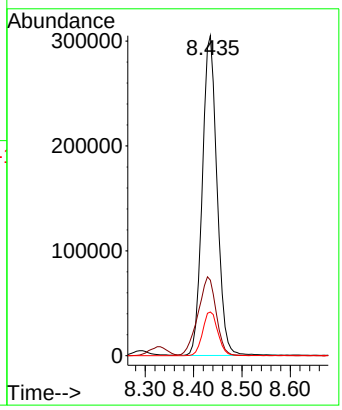


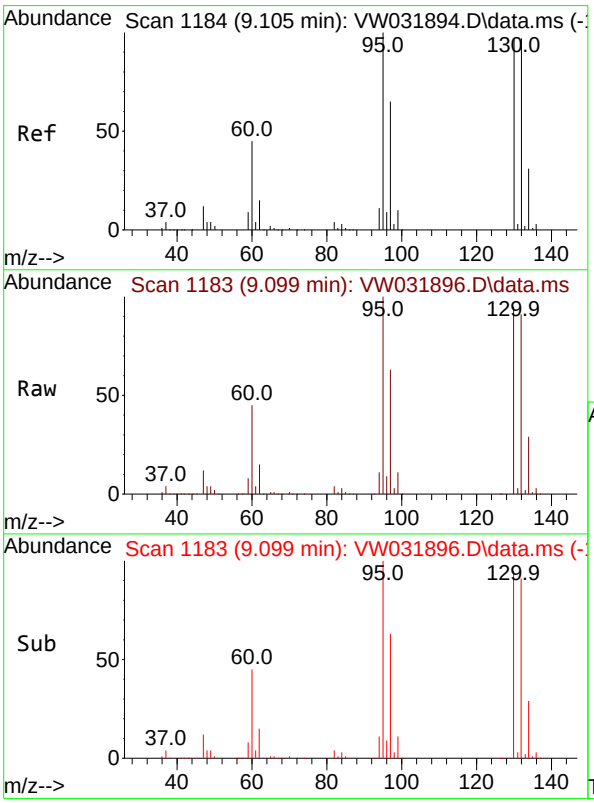
#43
Isopropyl Acetate
Concen: 145.474 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 643412

Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.0	36.0
87	14.2	11.1	16.7

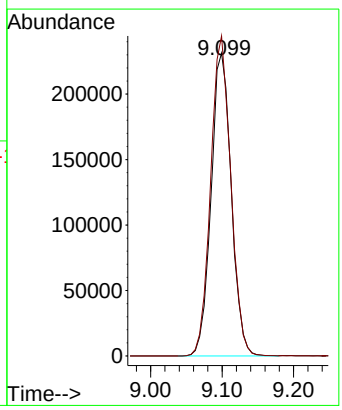


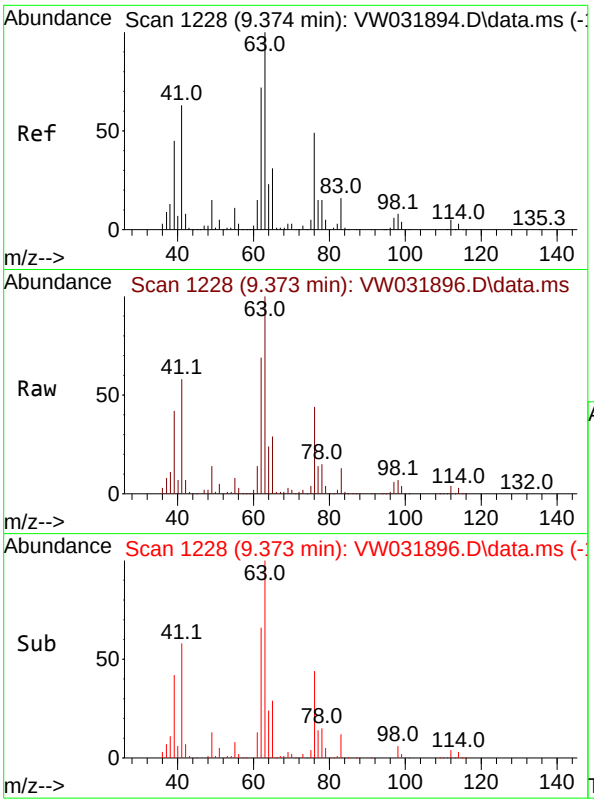


#44
Trichloroethene
Concen: 150.317 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:130 Resp: 452970

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	206.4



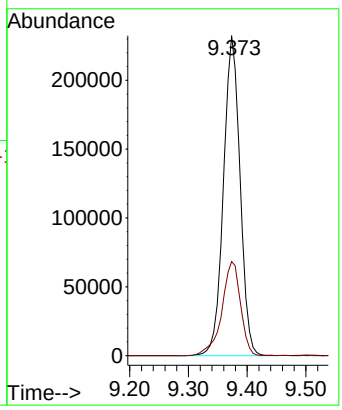


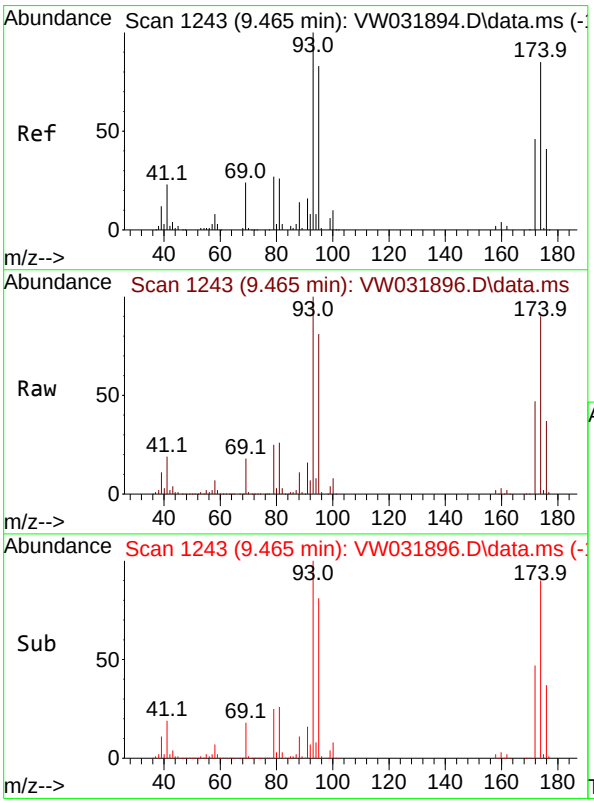
#45
1,2-Dichloropropane
Concen: 149.396 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 456144

Ion	Ratio	Lower	Upper
63	100		
65	29.4	25.0	37.4

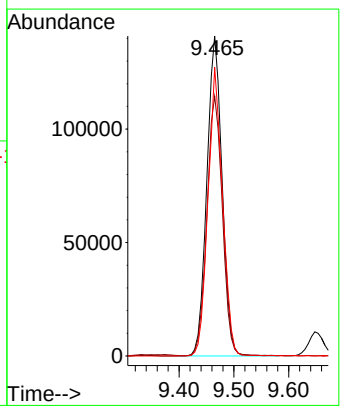


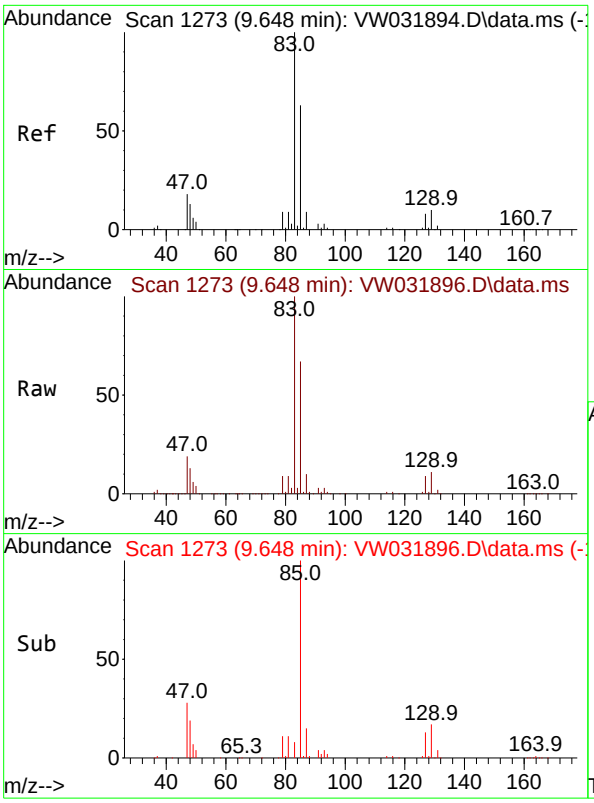


#46
Dibromomethane
Concen: 143.854 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 93 Resp: 272269

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.6
174	86.0	70.2	105.2



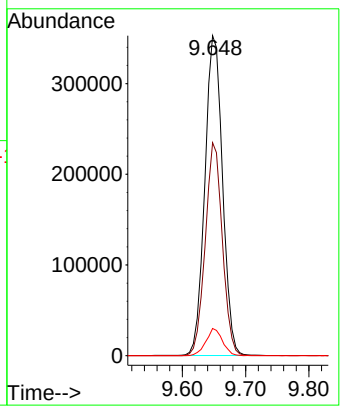


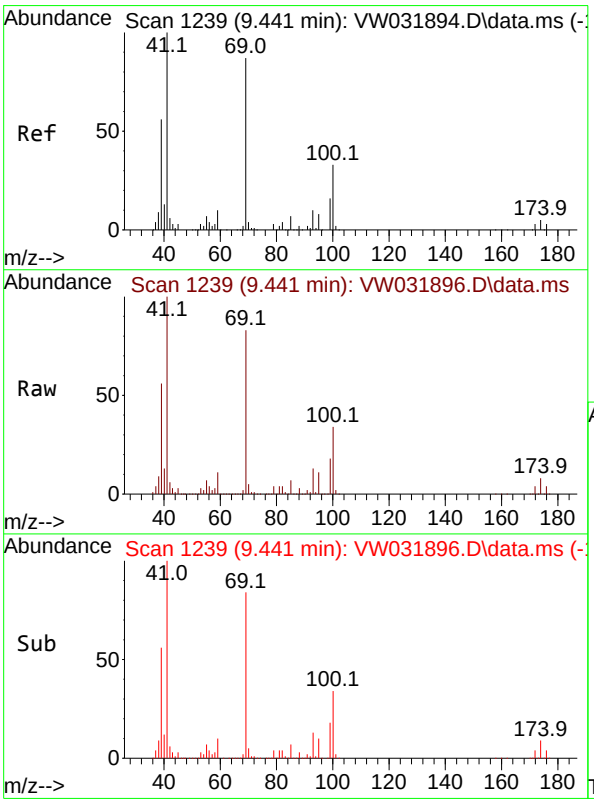
#47
Bromodichloromethane
Concen: 151.120 ug/l
RT: 9.648 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 685853

Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.6	76.0
127	8.5	6.5	9.7

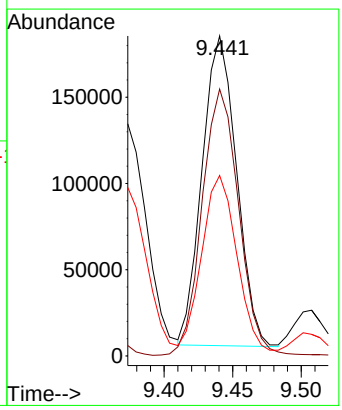


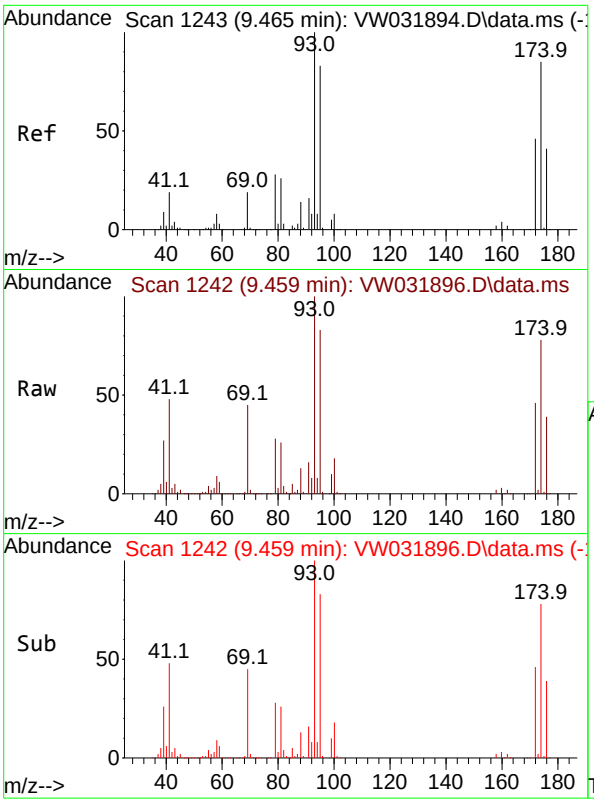


#48
Methyl methacrylate
Concen: 149.293 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 41 Resp: 314142

Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.6	110.4
39	56.3	45.5	68.3



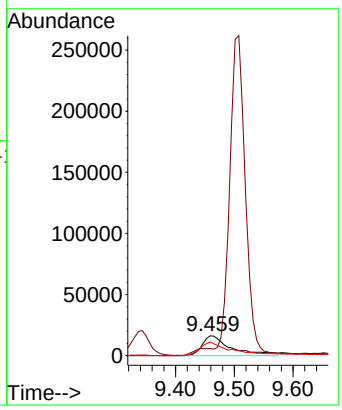


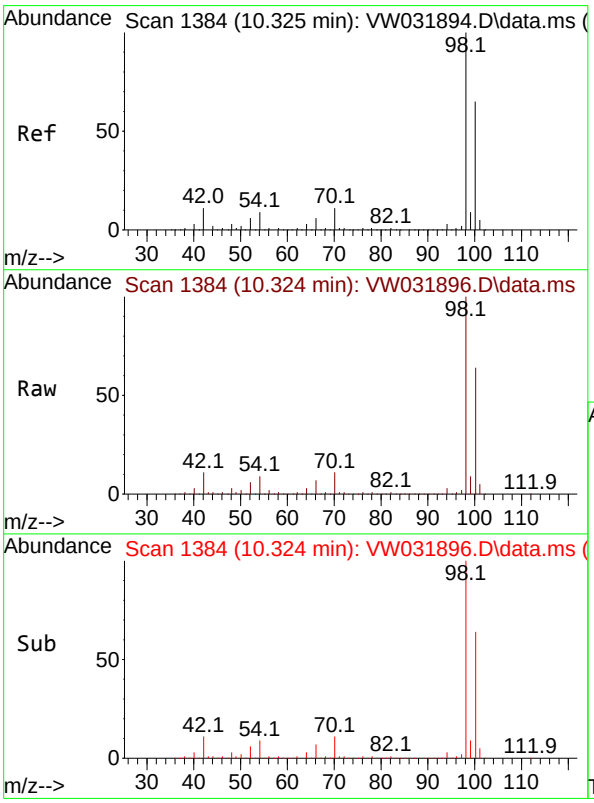
#49
1,4-Dioxane
Concen: 2983.527 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 56346

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	78.6	58.2	87.2

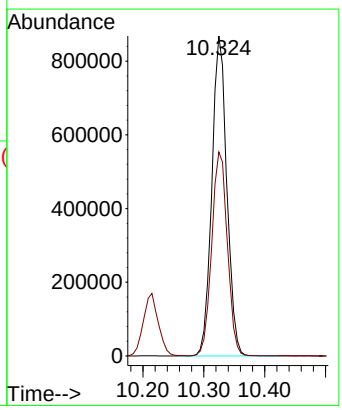


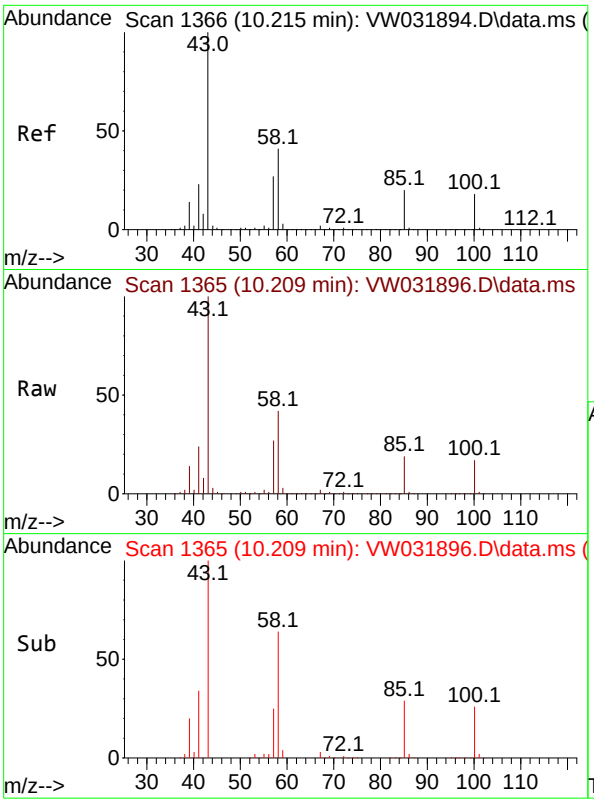


#50
Toluene-d8
Concen: 140.469 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 98 Resp: 1482591

Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.7	77.5



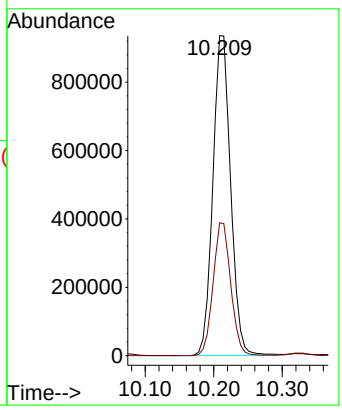


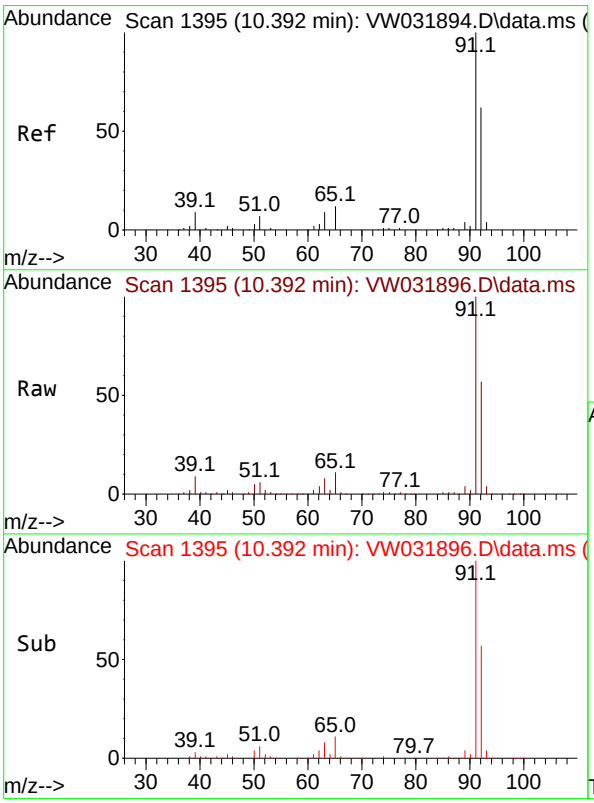
#51
4-Methyl-2-Pentanone
Concen: 695.441 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1683322

Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

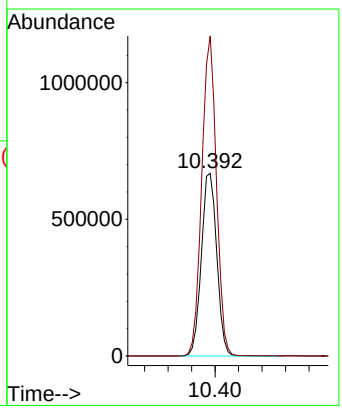


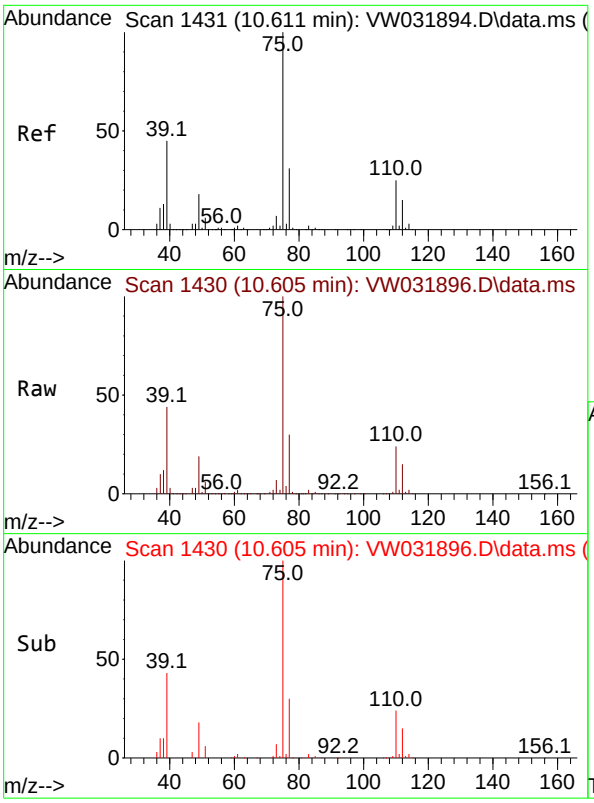


#52
Toluene
Concen: 148.962 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 92 Resp: 1214012

Ion	Ratio	Lower	Upper
92	100		
91	167.4	133.7	200.5



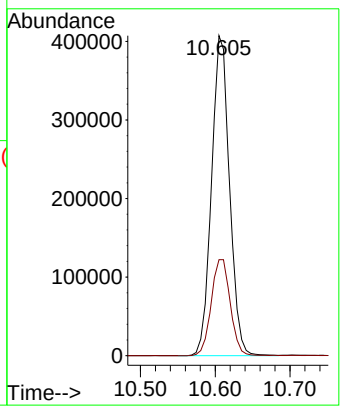


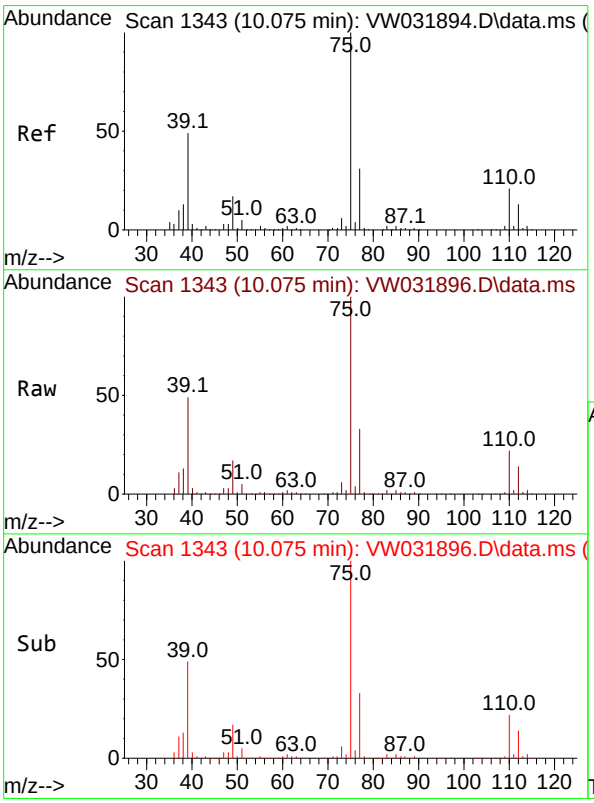
#53
t-1,3-Dichloropropene
Concen: 156.179 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 679932

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.2	37.8

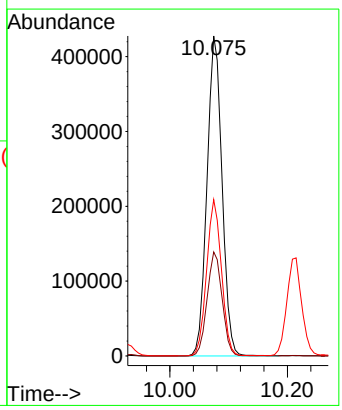


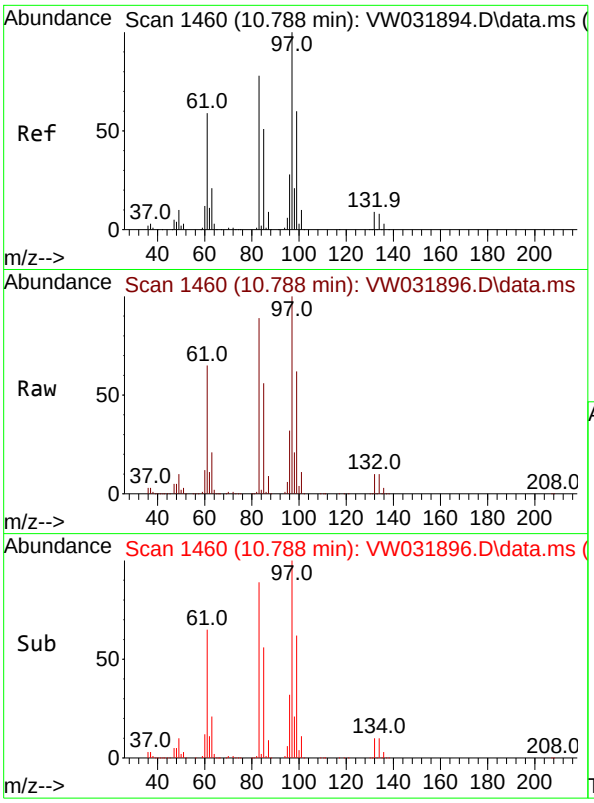


#54
cis-1,3-Dichloropropene
Concen: 152.840 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 759882

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7
39	48.8	39.3	58.9



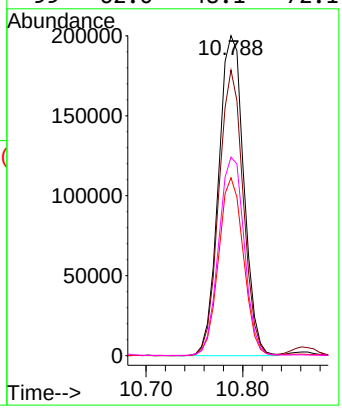


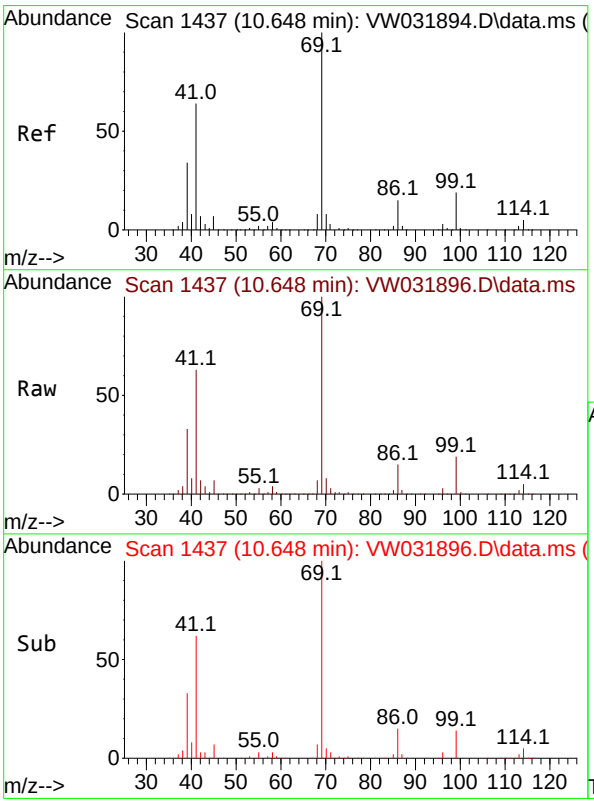
#55
1,1,2-Trichloroethane
Concen: 144.405 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 363045

Ion	Ratio	Lower	Upper
97	100		
83	89.2	62.4	93.6
85	55.5	41.0	61.6
99	62.0	48.1	72.1

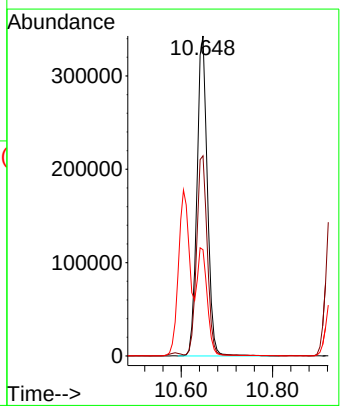


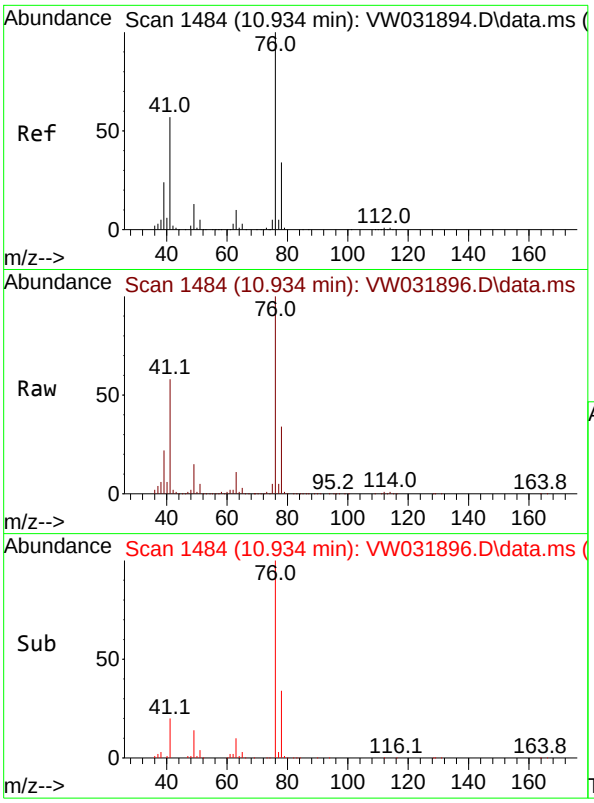


#56
Ethyl methacrylate
Concen: 152.123 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 69 Resp: 540138

Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.0	78.0
39	31.7	26.6	40.0



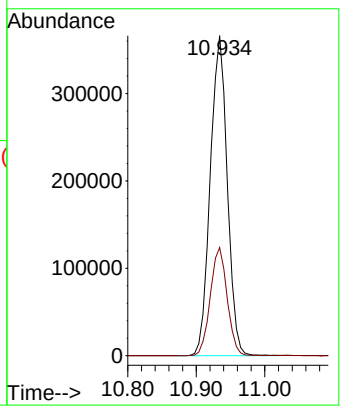


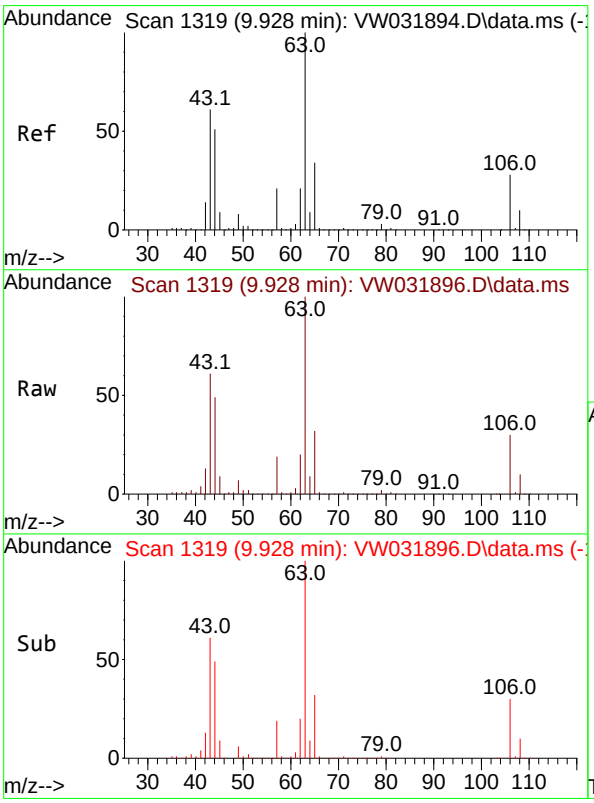
#57
1,3-Dichloropropane
Concen: 142.707 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 632065

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

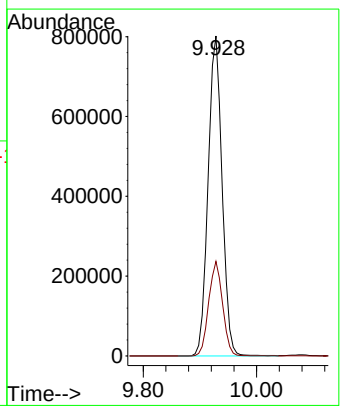


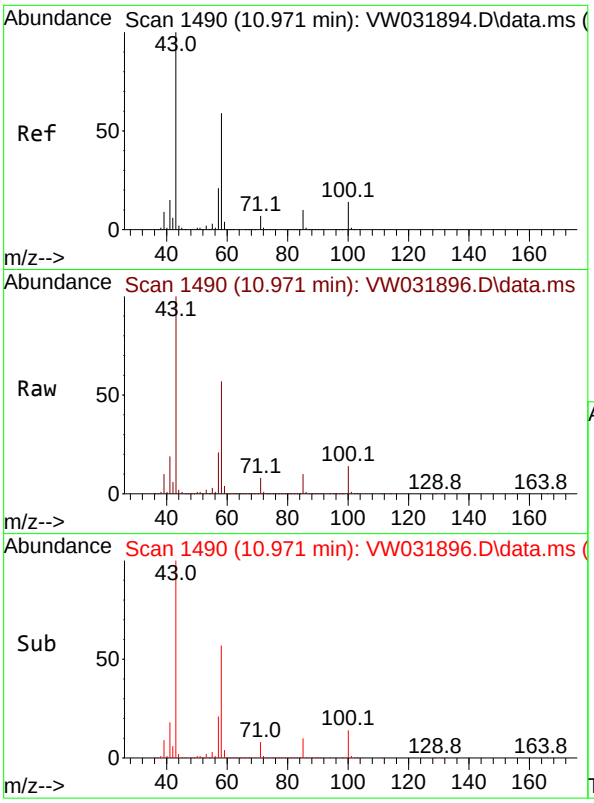


#58
2-Chloroethyl Vinyl ether
Concen: 754.091 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 63 Resp: 1375316

Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.7	34.1



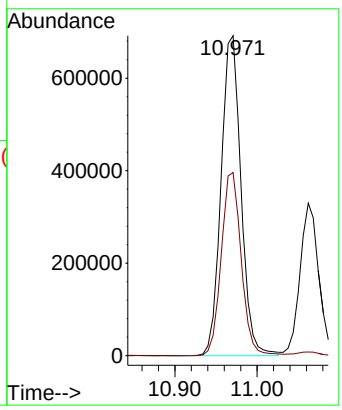


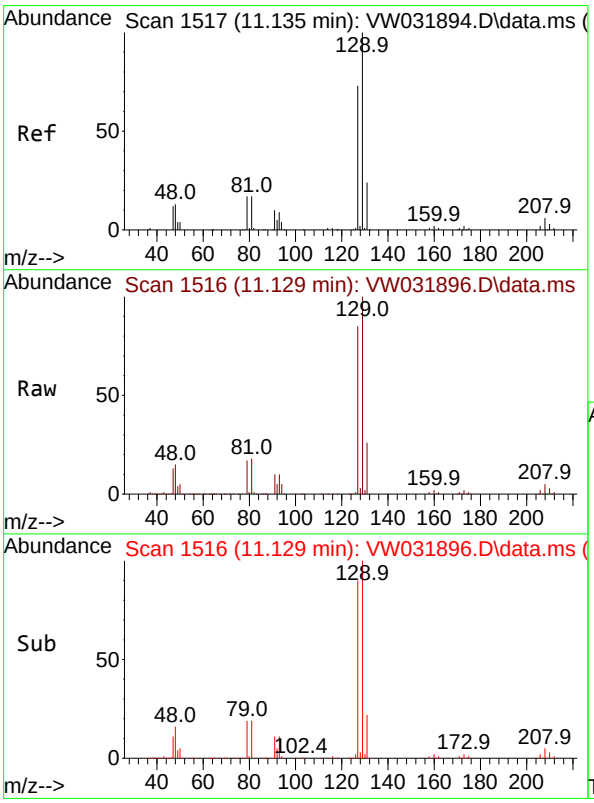
#59
2-Hexanone
Concen: 693.111 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1166153

Ion	Ratio	Lower	Upper
43	100		
58	57.4	28.5	85.6

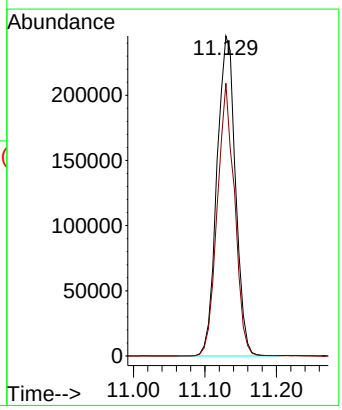


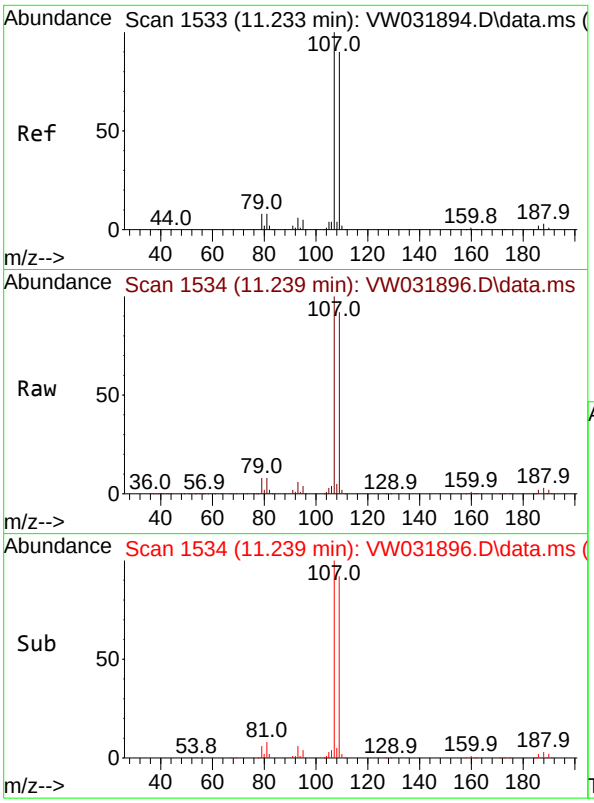


#60
Dibromochloromethane
Concen: 150.890 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:129 Resp: 442293

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.6	118.8



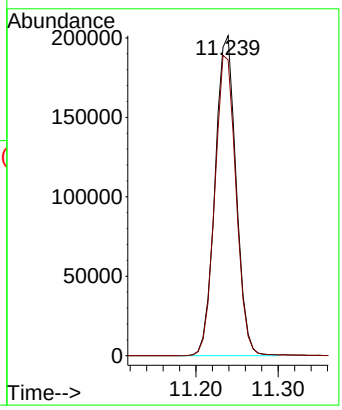


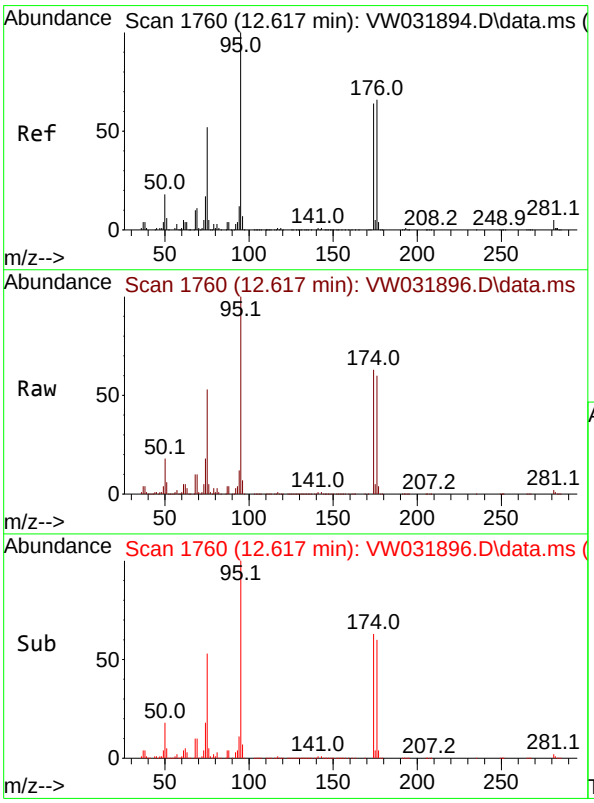
#61
1,2-Dibromoethane
Concen: 143.785 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 357193

Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.2	111.4

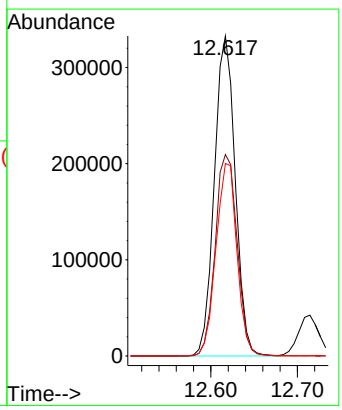


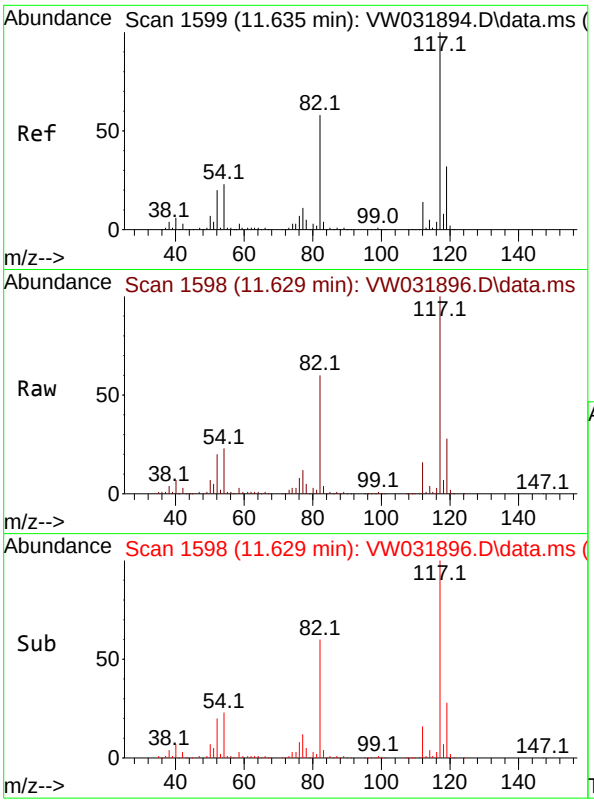


#62
4-Bromofluorobenzene
Concen: 137.437 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 95 Resp: 556999

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	129.8
176	60.6	0.0	130.4



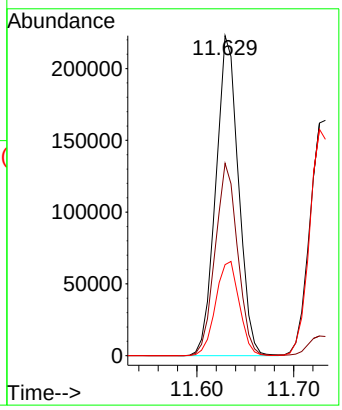


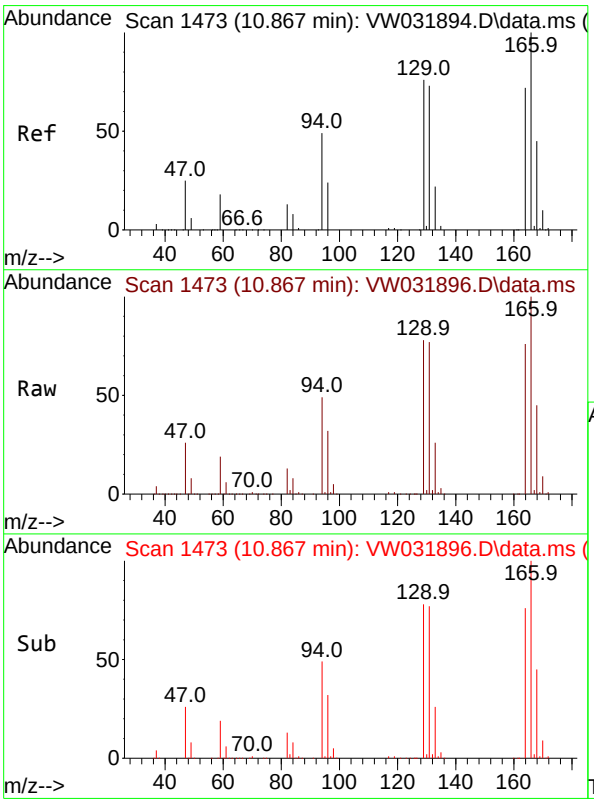
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 361839

Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.5	69.7
119	28.5	25.8	38.6

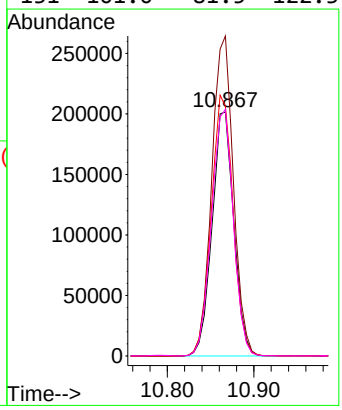


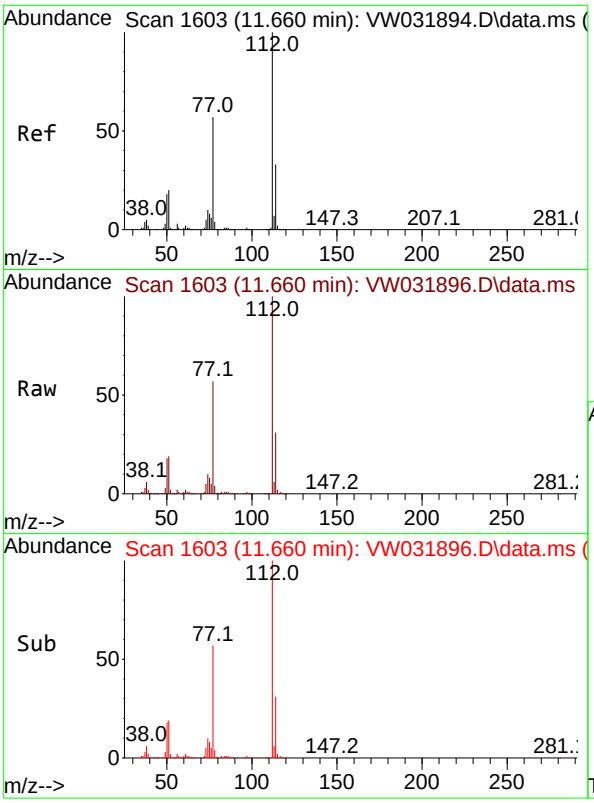


#64
Tetrachloroethene
Concen: 146.849 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:164 Resp: 350332

Ion	Ratio	Lower	Upper
164	100		
166	131.1	111.5	167.3
129	102.3	85.1	127.7
131	101.0	81.5	122.3



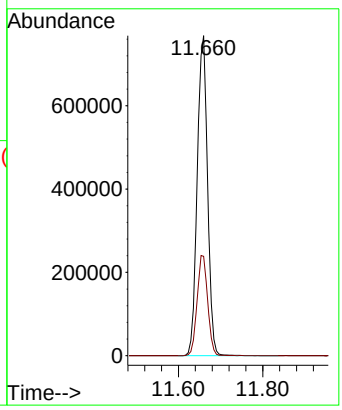


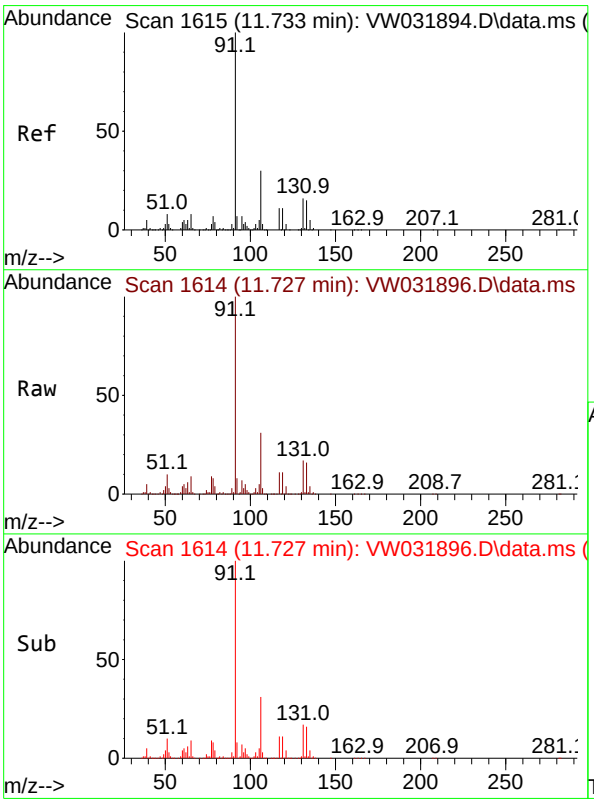
#65
Chlorobenzene
Concen: 147.719 ug/l
RT: 11.660 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1308167

Ion	Ratio	Lower	Upper
112	100		
114	31.0	26.2	39.2

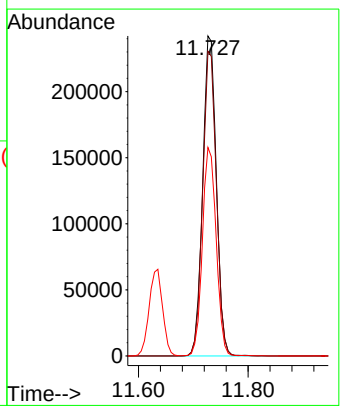


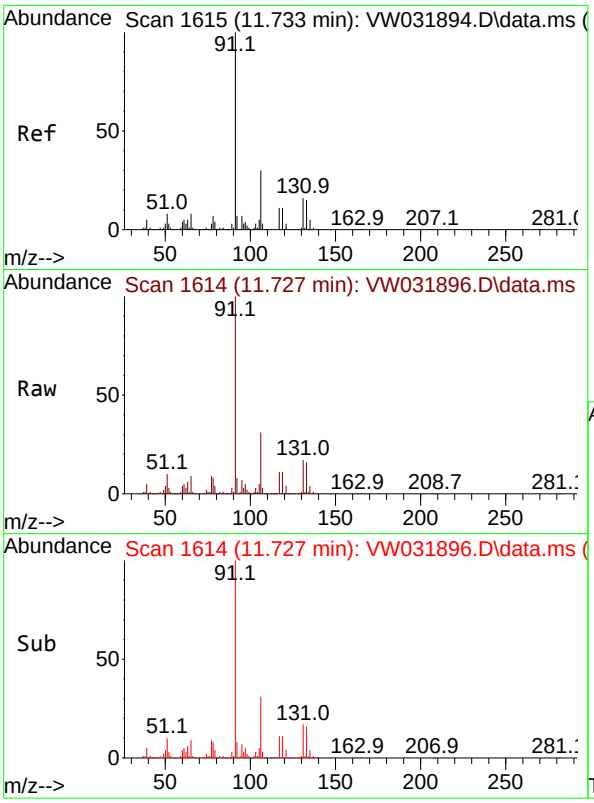


#66
1,1,1,2-Tetrachloroethane
Concen: 151.507 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:131 Resp: 415946

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.4
119	66.2	33.7	101.1



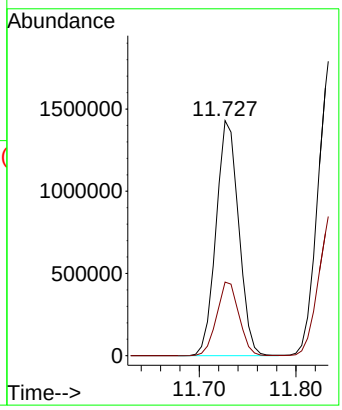


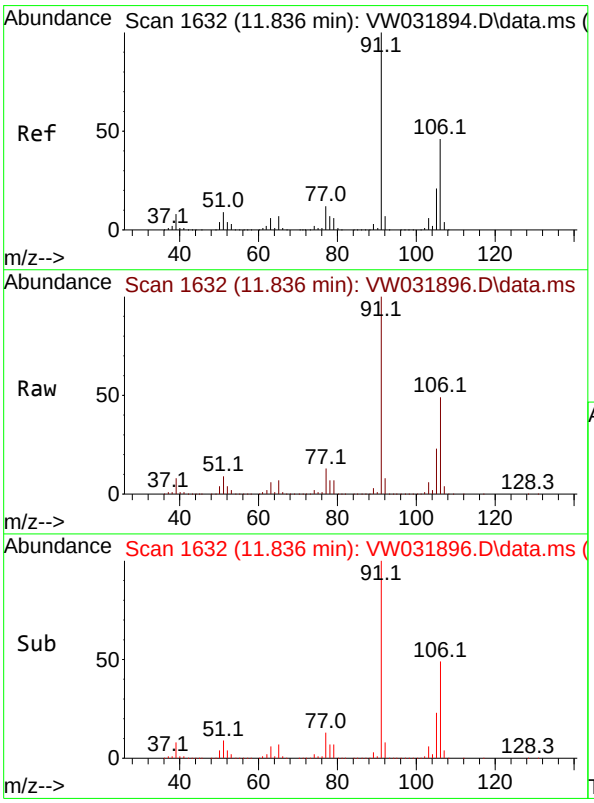
#67
Ethyl Benzene
Concen: 149.072 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2319514

Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.8	35.6

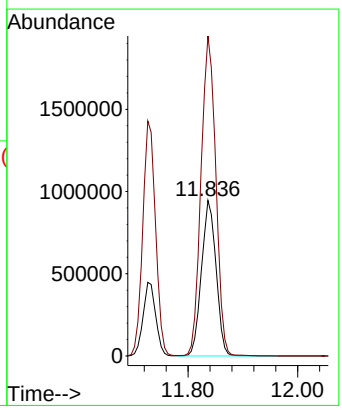


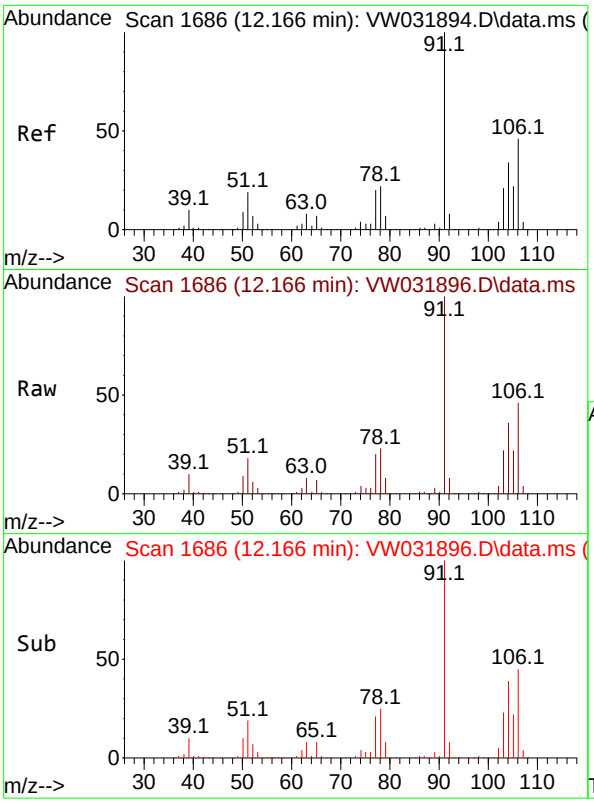


#68
m/p-Xylenes
Concen: 297.100 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:106 Resp: 1740273

Ion	Ratio	Lower	Upper
106	100		
91	209.0	167.7	251.5



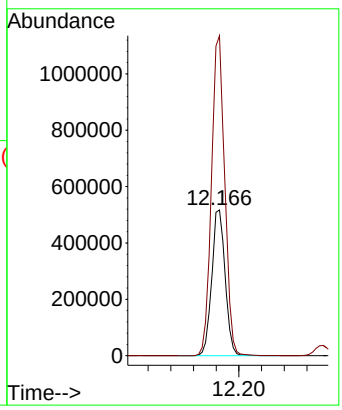


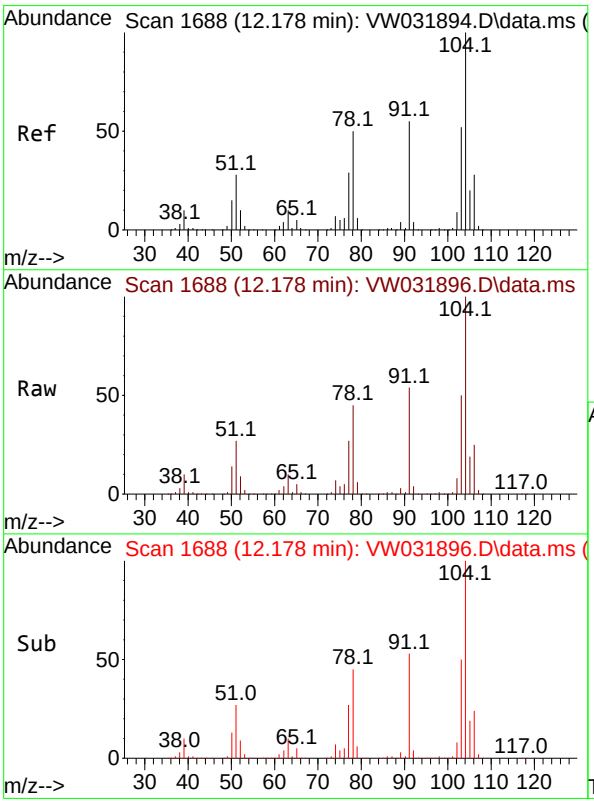
#69
o-Xylene
Concen: 152.763 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 846824

Ion	Ratio	Lower	Upper
106	100		
91	217.9	108.2	324.6

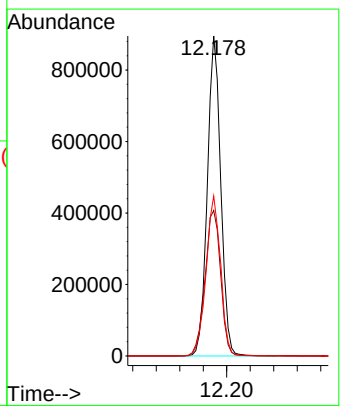


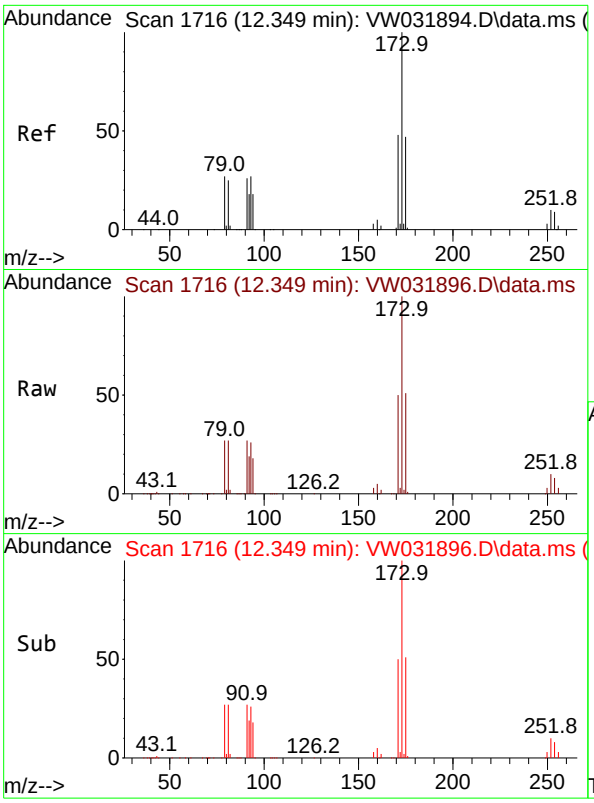


#70
Styrene
Concen: 150.432 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:104 Resp: 1419800

Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.2	63.4
103	54.2	42.8	64.2



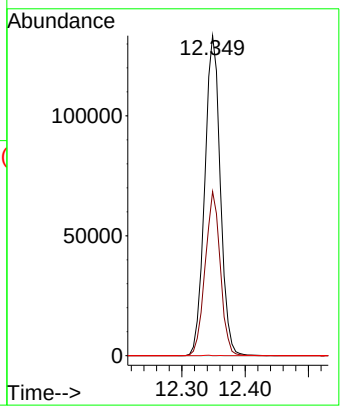


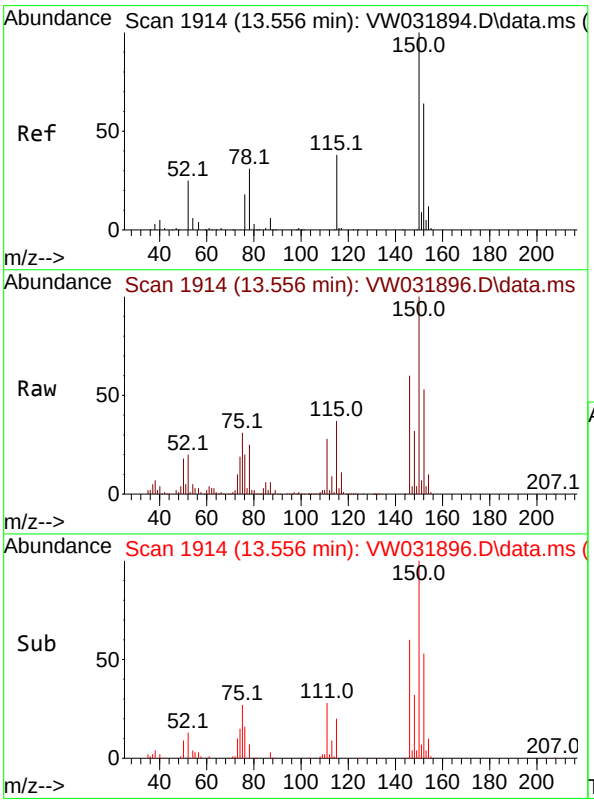
#71
Bromoform
Concen: 152.187 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 228504

Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.5	73.5
254	0.1	0.2	0.2#

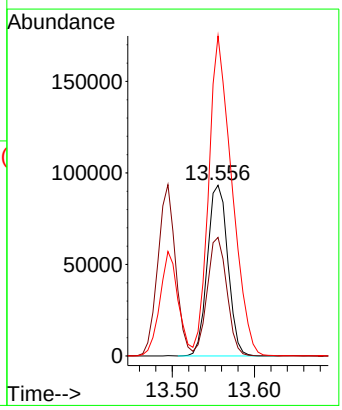


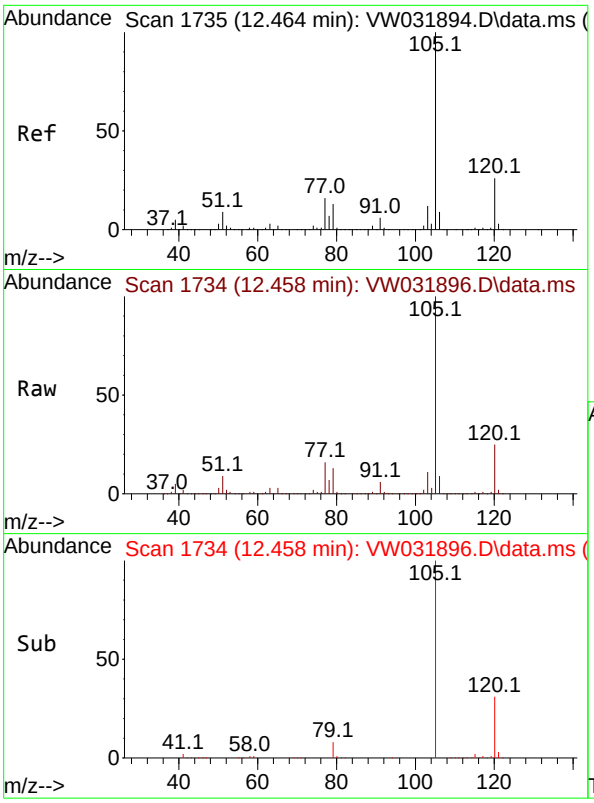


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:152 Resp: 160923

Ion	Ratio	Lower	Upper
152	100		
115	66.7	33.4	100.1
150	212.8	0.0	352.2



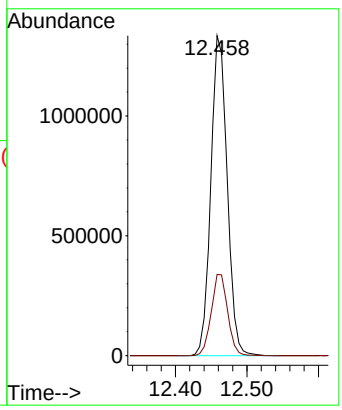


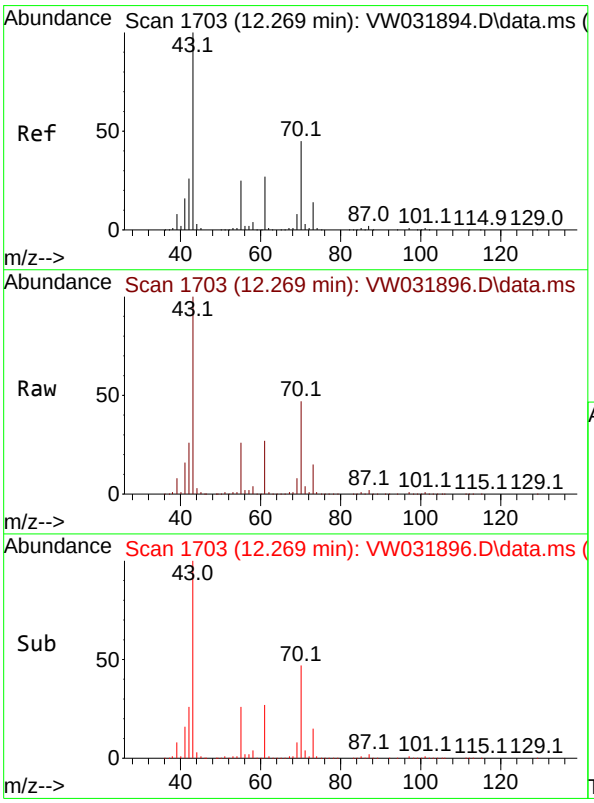
#73
Isopropylbenzene
Concen: 151.692 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2118035

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8

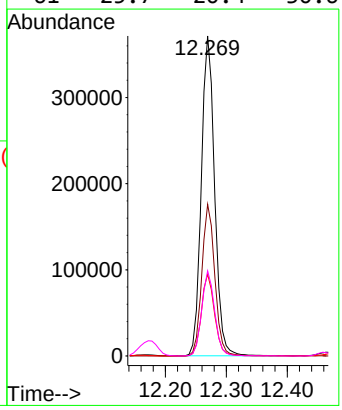


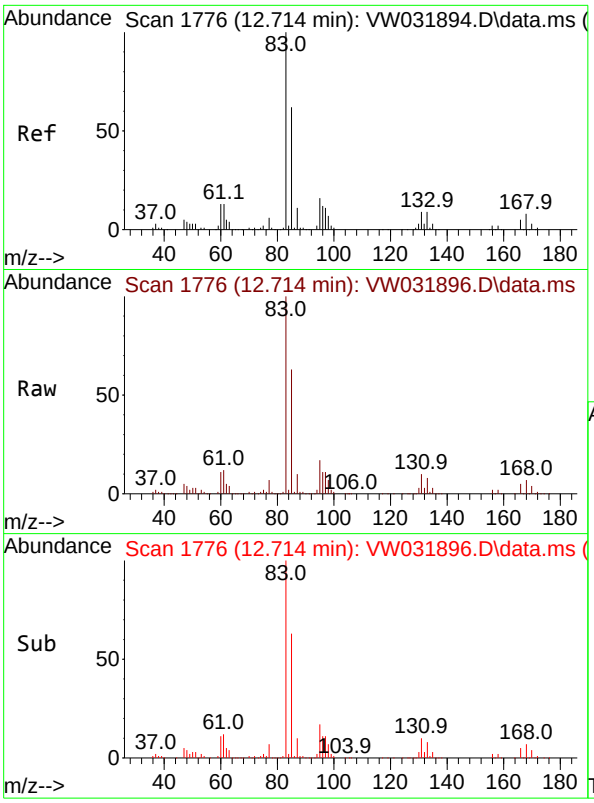


#74
N-amyl acetate
Concen: 149.722 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 43 Resp: 565165

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	25.3	20.7	31.1
61	25.7	20.4	30.6



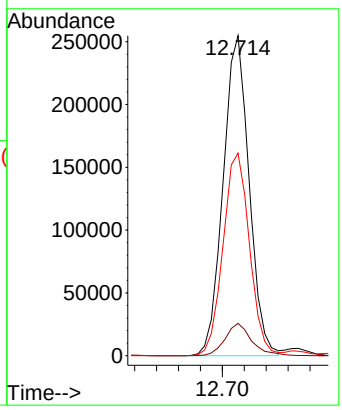


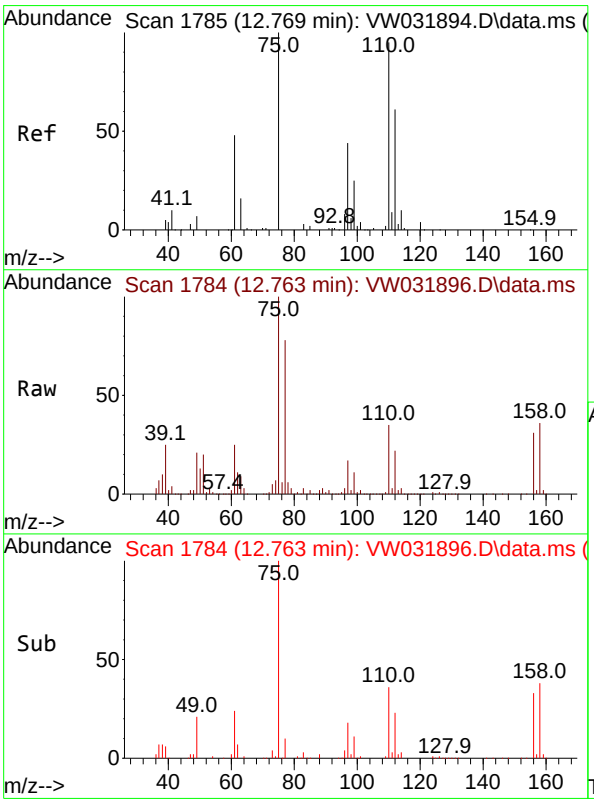
#75
1,1,2,2-Tetrachloroethane
Concen: 141.385 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 419030

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.4	31.8	95.3

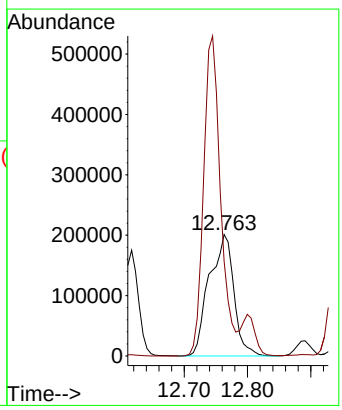


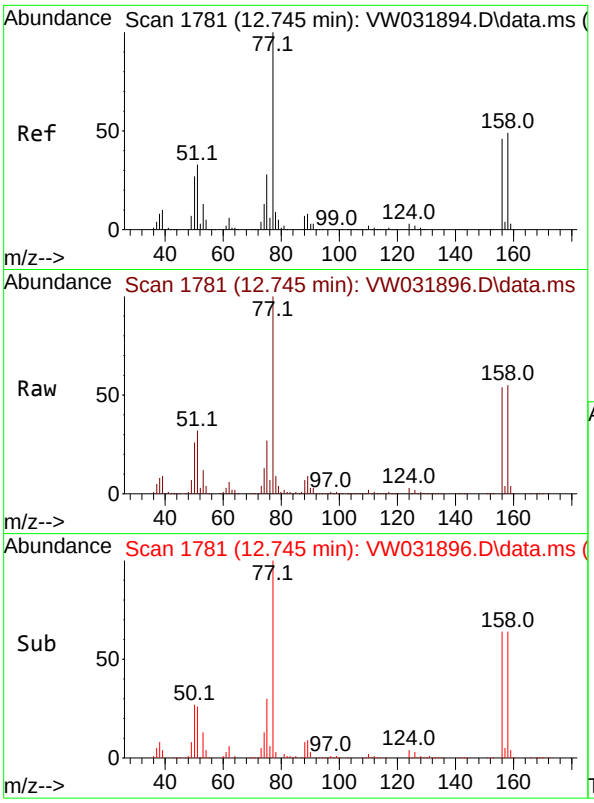


#76
1,2,3-Trichloropropane
Concen: 246.333 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 542704

Ion	Ratio	Lower	Upper
75	100		
77	182.0	0.0	0.0#



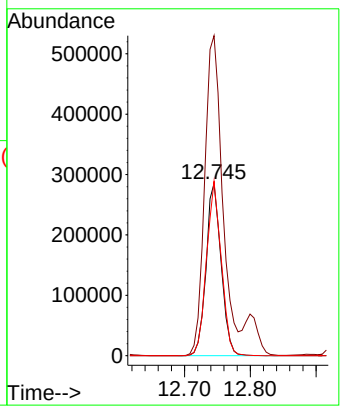


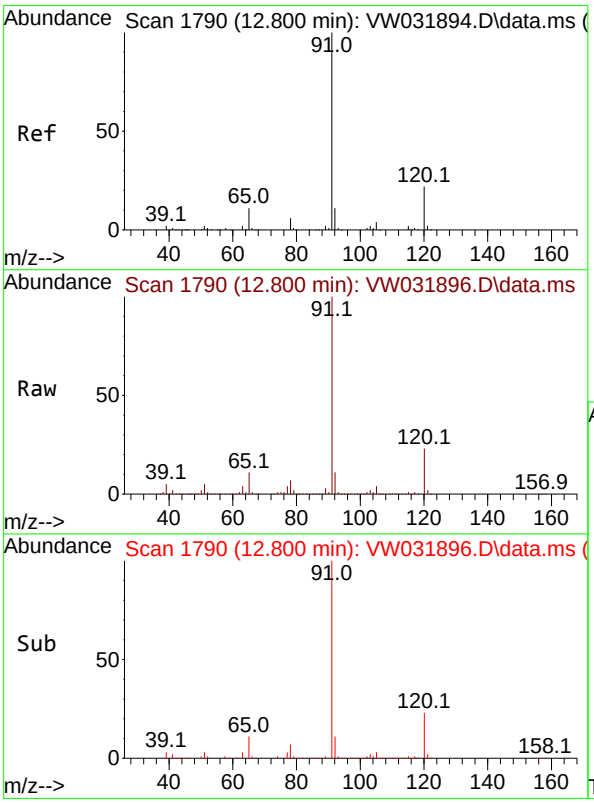
#77
Bromobenzene
Concen: 149.865 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 452752

Ion	Ratio	Lower	Upper
156	100		
77	218.2	115.3	345.8
158	100.2	50.1	150.3

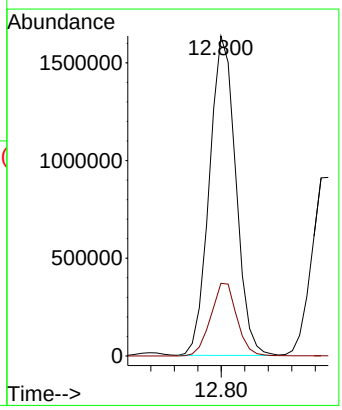


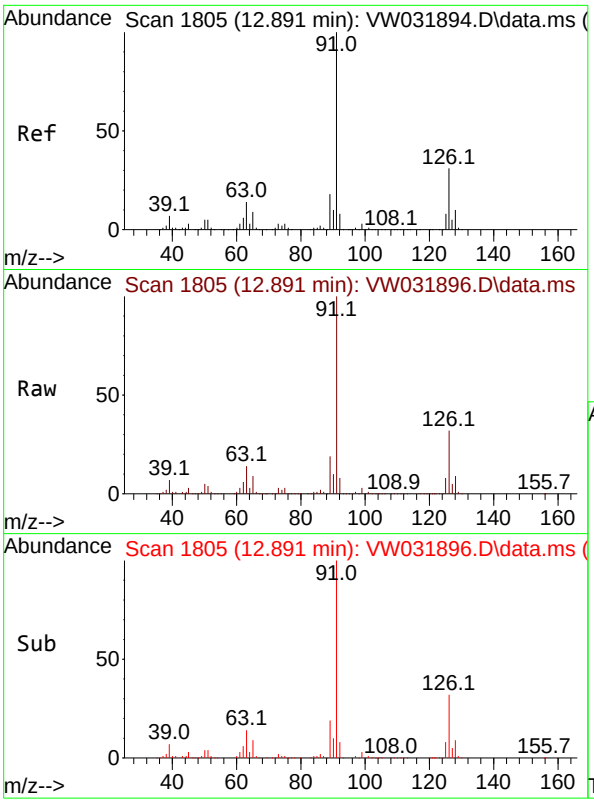


#78
n-propylbenzene
Concen: 148.745 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 2550787

Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.9	32.6



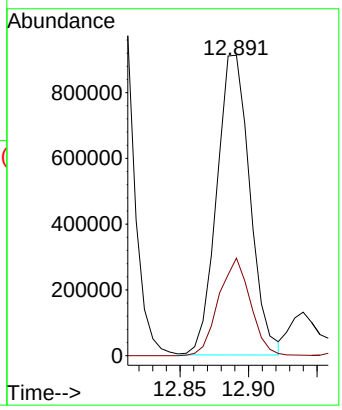


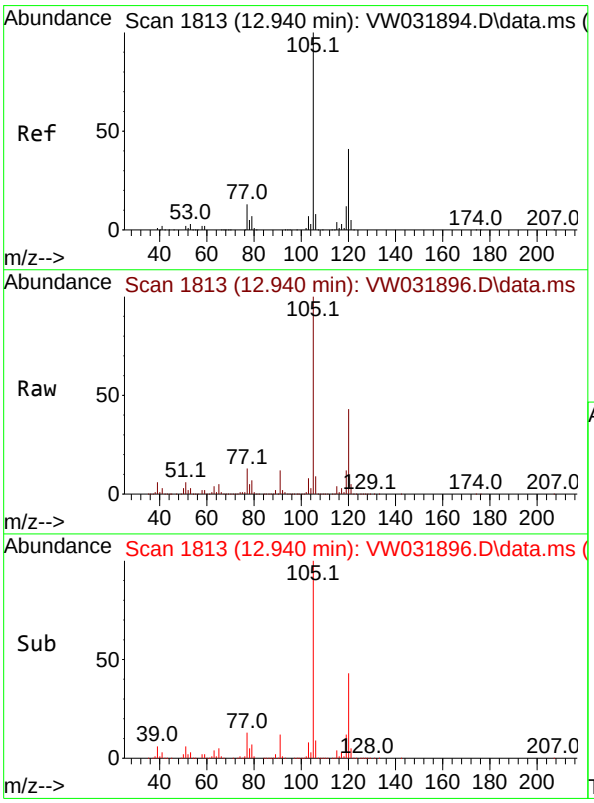
#79
2-Chlorotoluene
Concen: 150.285 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1538753

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8

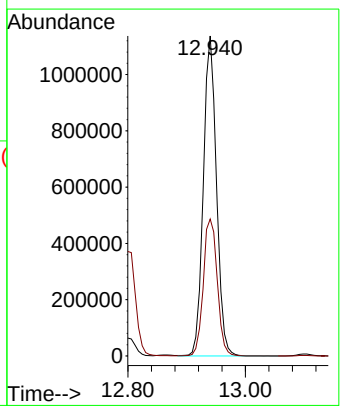


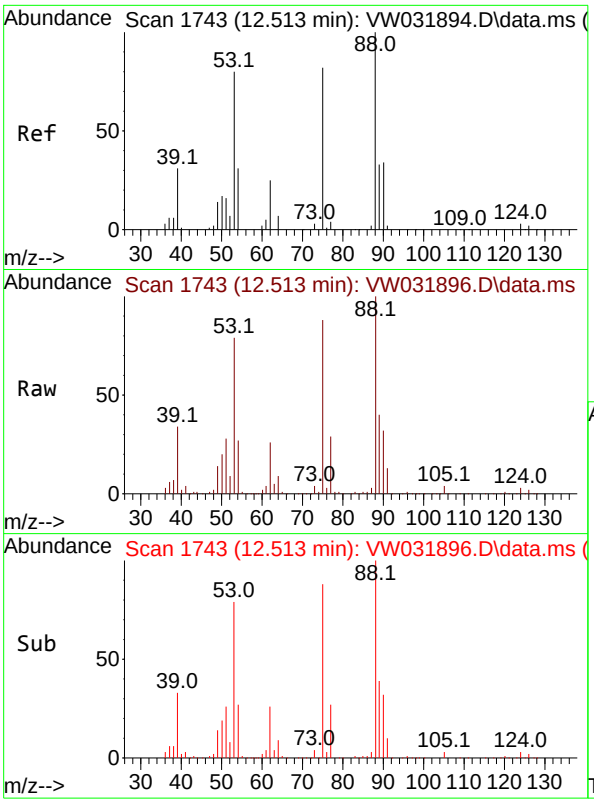


#80
1,3,5-Trimethylbenzene
Concen: 150.754 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 1765381

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.5	70.5



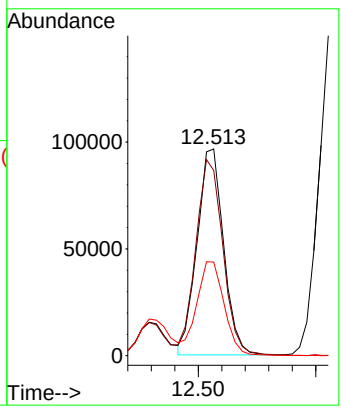


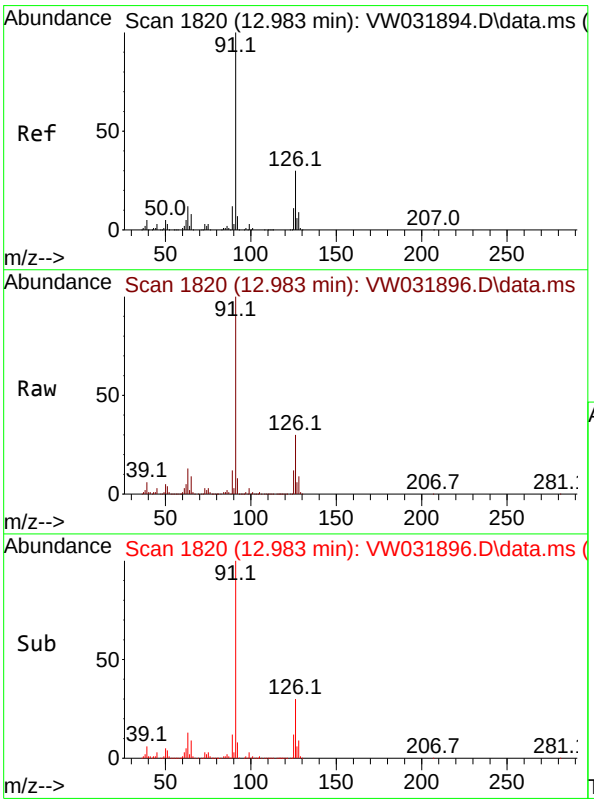
#81
trans-1,4-Dichloro-2-butene
Concen: 157.156 ug/l
RT: 12.513 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 151238

Ion	Ratio	Lower	Upper
75	100		
53	98.7	83.7	125.5
89	47.6	39.0	58.6

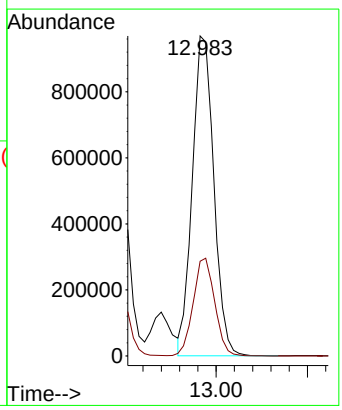


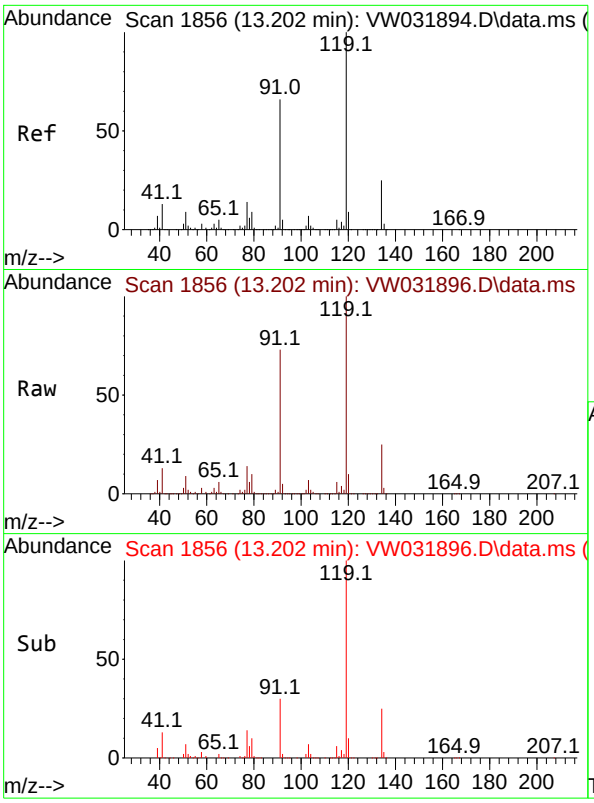


#82
4-Chlorotoluene
Concen: 147.284 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 91 Resp: 1582046

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.3



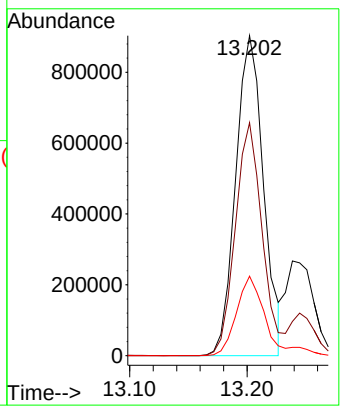


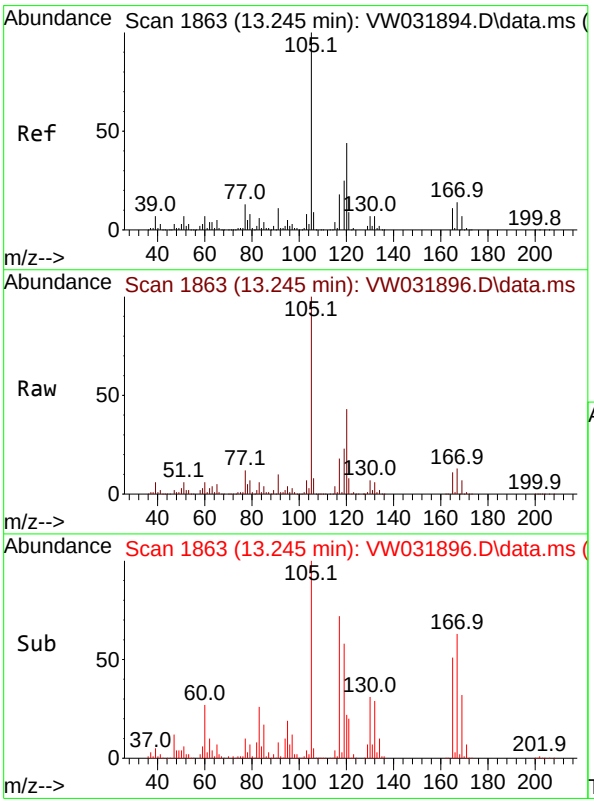
#83
tert-Butylbenzene
Concen: 148.784 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1484103

Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	26.3	12.4	37.0

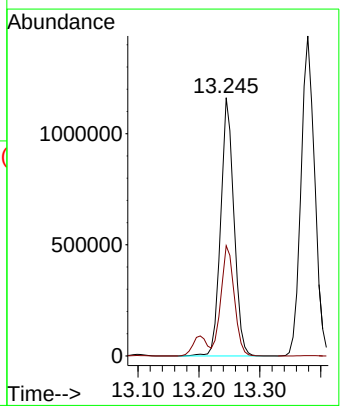


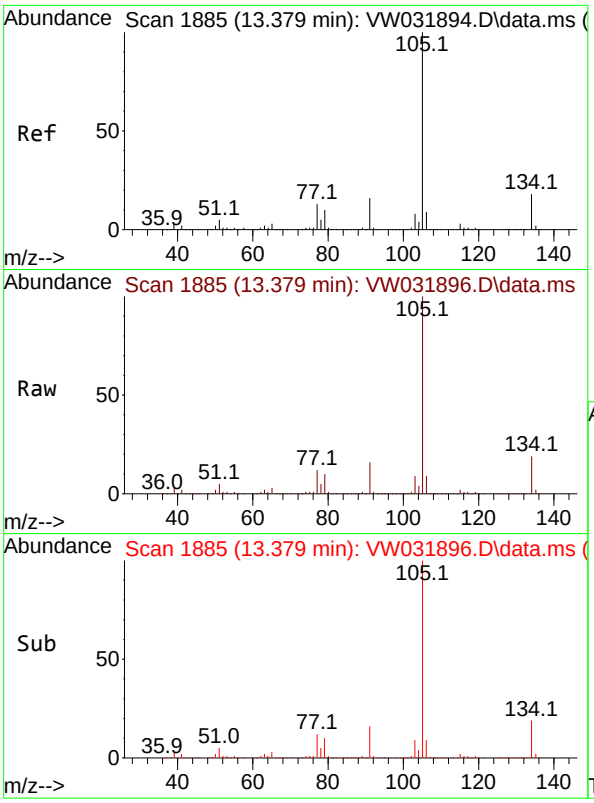


#84
1,2,4-Trimethylbenzene
Concen: 148.004 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:105 Resp: 1754255

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9



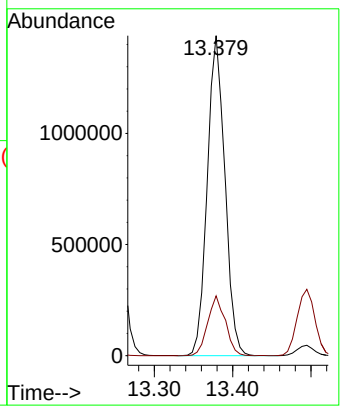


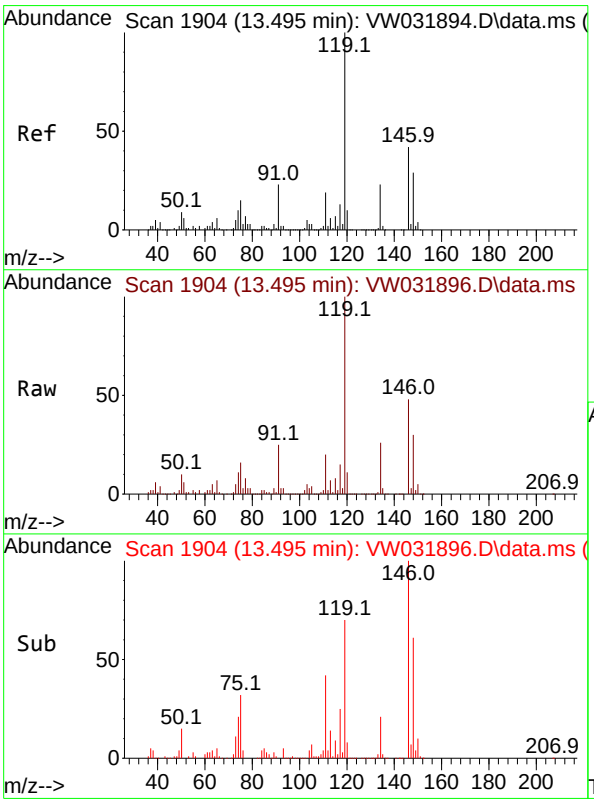
#85
sec-Butylbenzene
Concen: 149.881 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2245185

Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.2	27.6

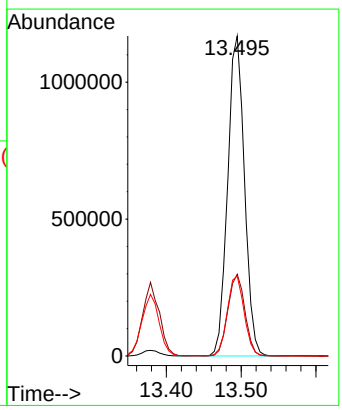


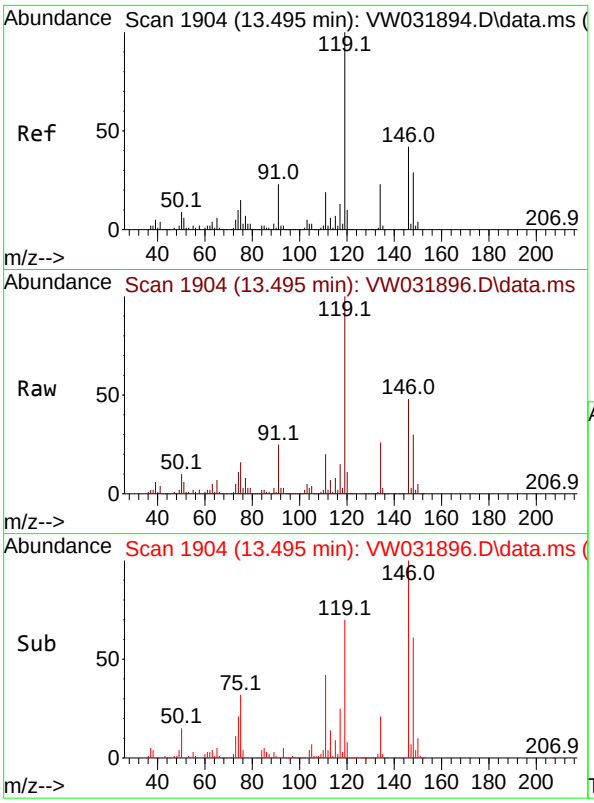


#86
p-Isopropyltoluene
Concen: 147.687 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:119 Resp: 1828574

Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	39.0
91	25.0	12.7	38.1



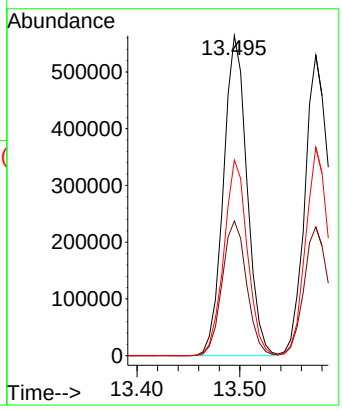


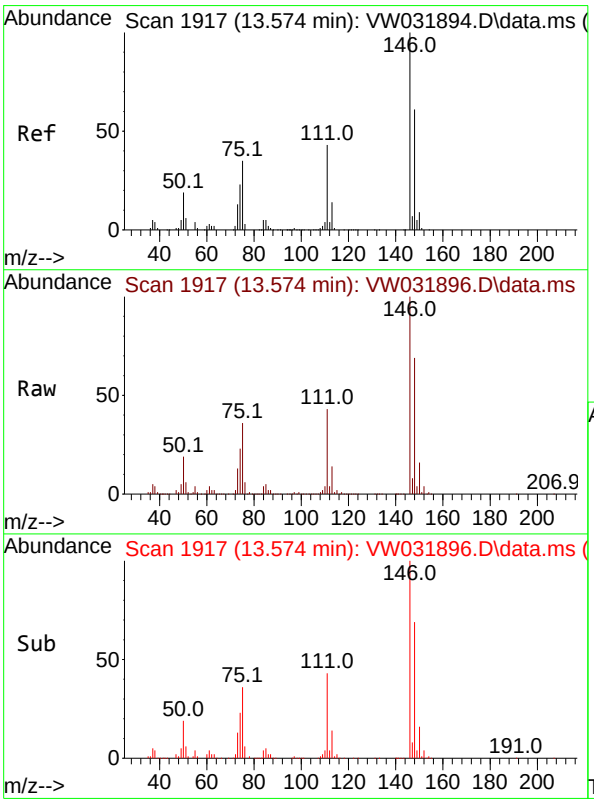
#87
1,3-Dichlorobenzene
Concen: 142.664 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 897163

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	61.1	31.9	95.5

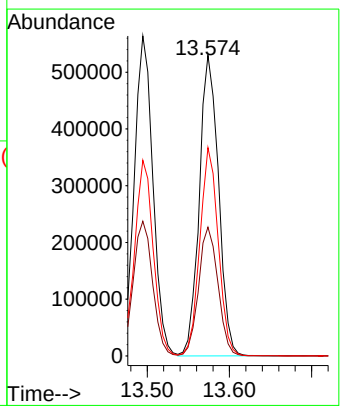


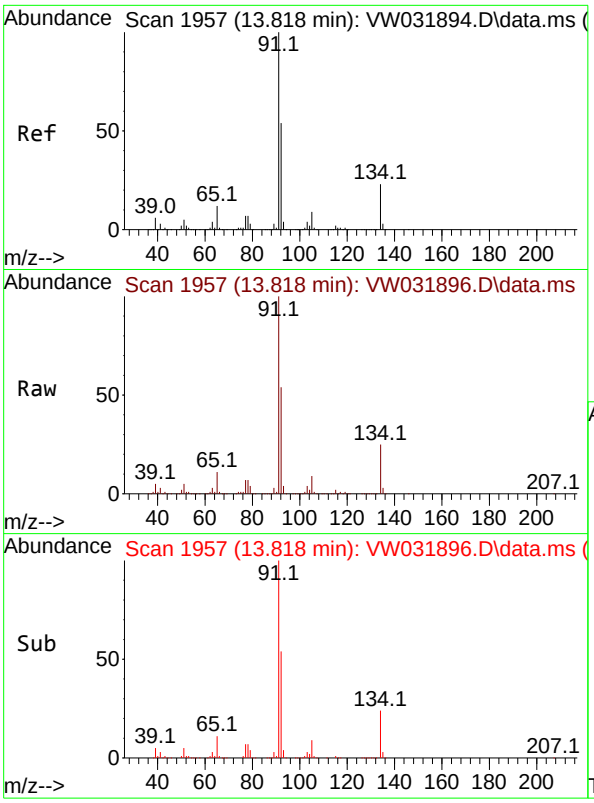


#88
1,4-Dichlorobenzene
Concen: 139.697 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:146 Resp: 860596

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.3
148	66.4	31.8	95.3



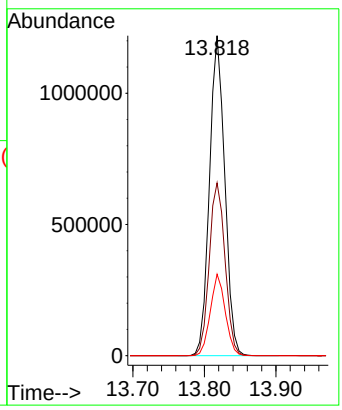


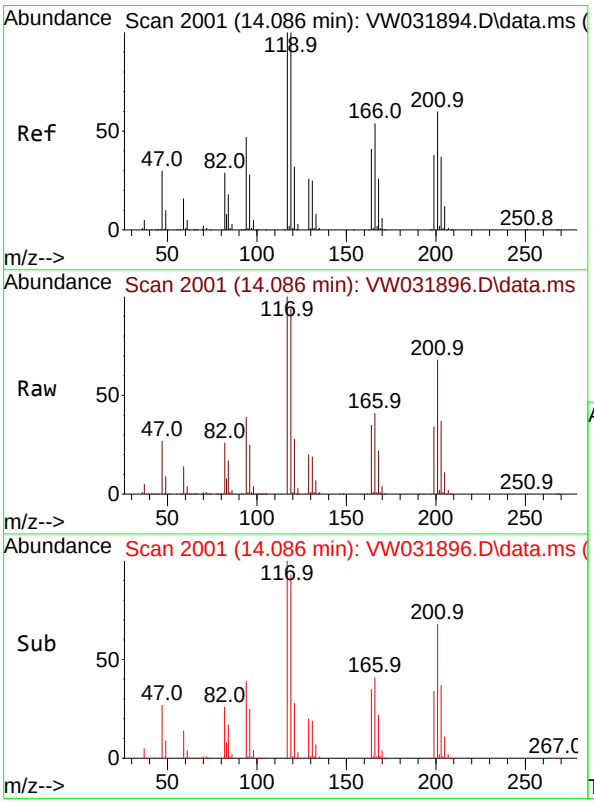
#89
n-Butylbenzene
Concen: 148.944 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1809075

Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.2	81.5
134	25.0	11.6	34.7

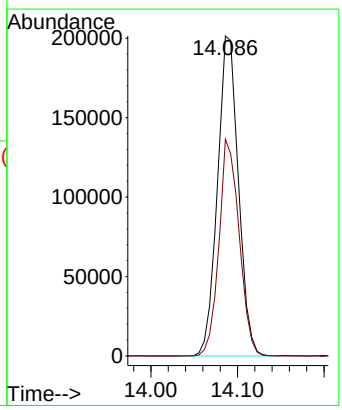


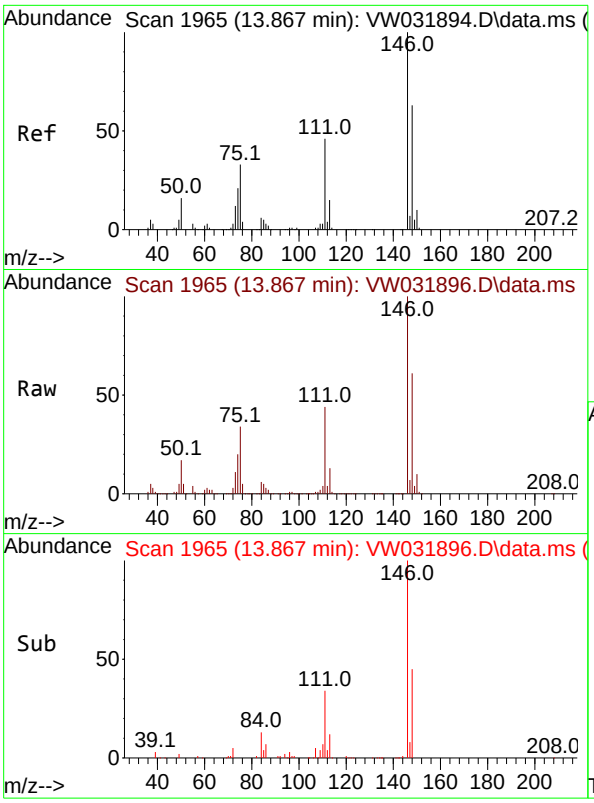


#90
Hexachloroethane
Concen: 158.018 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:117 Resp: 338316

Ion	Ratio	Lower	Upper
117	100		
201	65.2	28.4	85.2



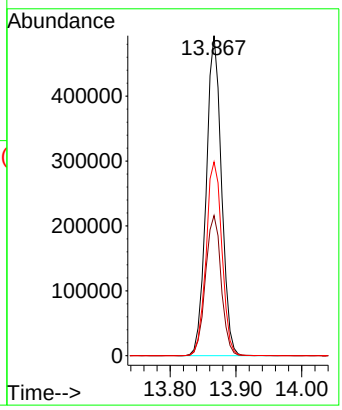


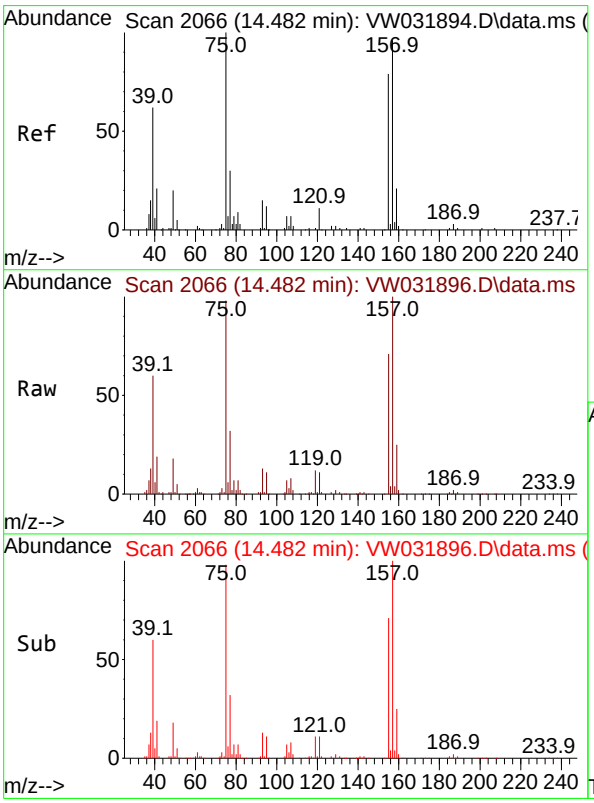
#91
1,2-Dichlorobenzene
Concen: 142.542 ug/l
RT: 13.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 794424

Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.6	71.0
148	62.9	32.4	97.2

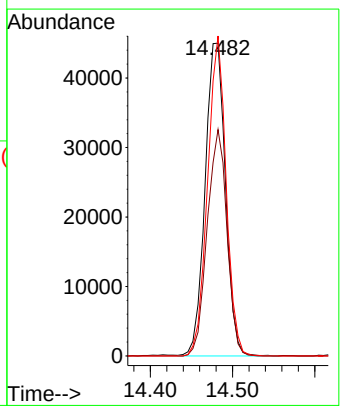


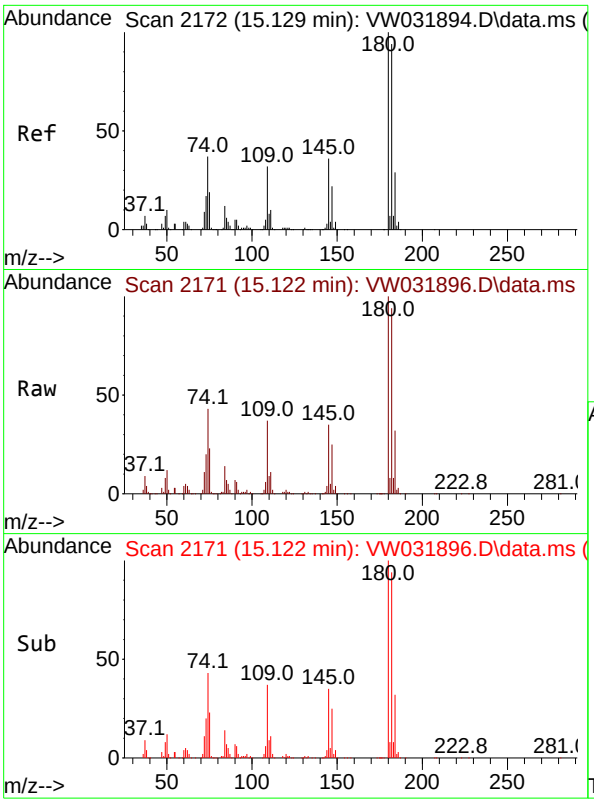


#92
1,2-Dibromo-3-Chloropropane
Concen: 144.321 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion: 75 Resp: 77276

Ion	Ratio	Lower	Upper
75	100		
155	70.1	35.9	107.7
157	93.2	47.4	142.2



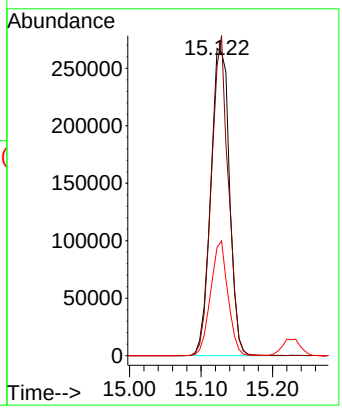


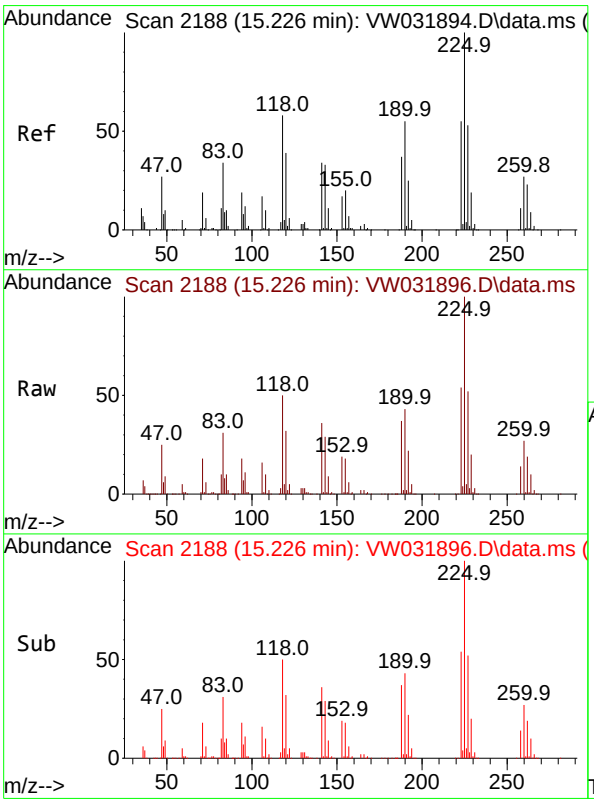
#93
1,2,4-Trichlorobenzene
Concen: 145.031 ug/l
RT: 15.122 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 487461

Ion	Ratio	Lower	Upper
180	100		
182	94.1	51.0	153.1
145	34.4	18.4	55.4

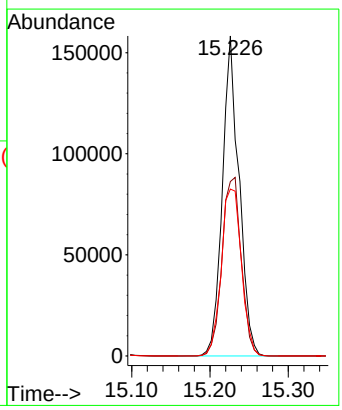


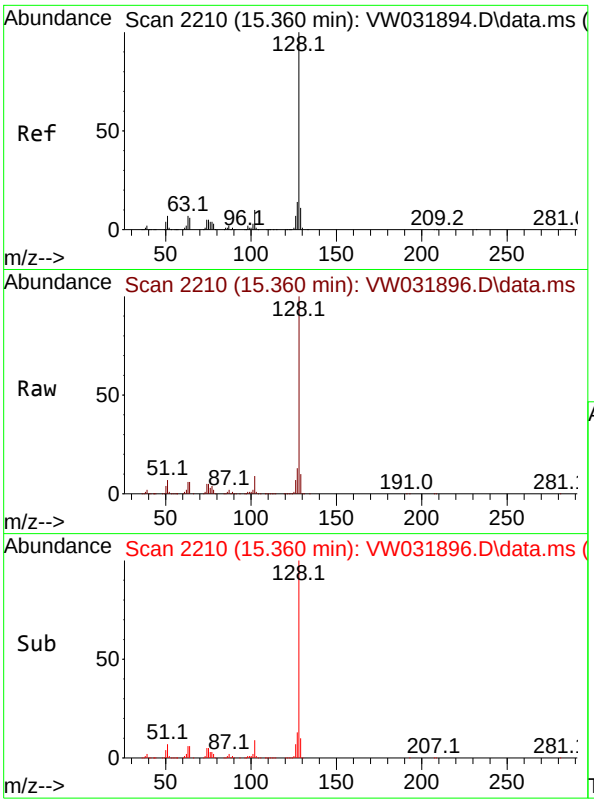


#94
Hexachlorobutadiene
Concen: 147.210 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:225 Resp: 234457

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.7
227	63.1	30.0	90.1



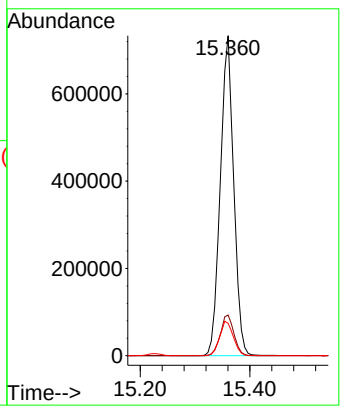


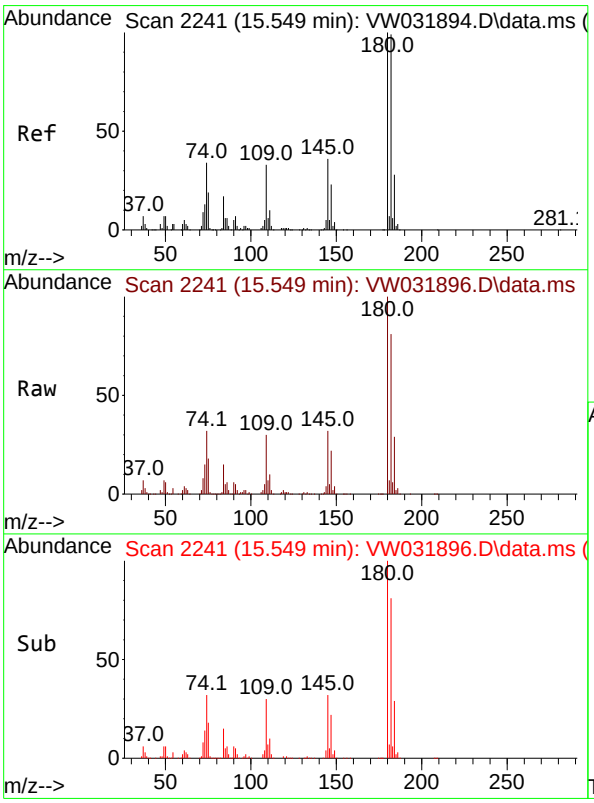
#95
Naphthalene
Concen: 150.984 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1247633

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.9	9.2	13.8

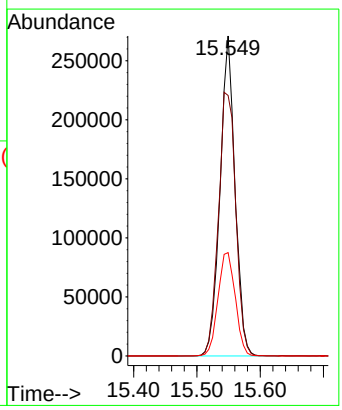




#96
1,2,3-Trichlorobenzene
Concen: 145.827 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW031896.D
Acq: 22 Jul 2025 12:00

Tgt Ion:180 Resp: 444087

Ion	Ratio	Lower	Upper
180	100		
182	95.4	50.4	151.2
145	37.2	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	226226	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154942	45.275	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 90.560%			
35) Dibromofluoromethane	7.898	113	131485	46.294	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.580%			
50) Toluene-d8	10.325	98	495878	46.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	188746	45.728	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	79412	47.231	ug/l	97
3) Chloromethane	2.253	50	104231	48.299	ug/l	96
4) Vinyl Chloride	2.405	62	136473	48.682	ug/l	99
5) Bromomethane	2.826	94	98945	47.931	ug/l	99
6) Chloroethane	2.972	64	89035	48.122	ug/l	98
7) Trichlorofluoromethane	3.308	101	134264	47.287	ug/l	100
8) Diethyl Ether	3.722	74	88950	46.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	131248	48.057	ug/l	99
10) Methyl Iodide	4.314	142	194455	47.621	ug/l	100
11) Tert butyl alcohol	5.216	59	55051	273.664	ug/l	100
12) 1,1-Dichloroethene	4.076	96	146332	48.510	ug/l	98
13) Acrolein	3.929	56	66037	243.737	ug/l	99
14) Allyl chloride	4.704	41	227478	48.442	ug/l	99
15) Acrylonitrile	5.405	53	213745	252.071	ug/l	99
16) Acetone	4.161	43	212311	261.441	ug/l	99
17) Carbon Disulfide	4.417	76	383835	49.063	ug/l	97
18) Methyl Acetate	4.710	43	116092	51.889	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	262205	50.308	ug/l	97
20) Methylene Chloride	4.948	84	170521	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	154329	48.220	ug/l	98
22) Diisopropyl ether	6.338	45	458677	48.814	ug/l	96
23) Vinyl Acetate	6.277	43	1580961	257.536	ug/l	98
24) 1,1-Dichloroethane	6.246	63	285778	48.848	ug/l	99
25) 2-Butanone	7.191	43	295784	266.207	ug/l	98
26) 2,2-Dichloropropane	7.185	77	159426	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	183416	48.747	ug/l	97
28) Bromochloromethane	7.526	49	120307	49.115	ug/l	98
29) Tetrahydrofuran	7.551	42	189833	260.591	ug/l	99
30) Chloroform	7.691	83	305201	49.755	ug/l	99
31) Cyclohexane	7.971	56	246141	46.897	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	227258	48.687	ug/l	99
36) 1,1-Dichloropropene	8.093	75	216329	49.596	ug/l	98
37) Ethyl Acetate	7.270	43	126677	50.911	ug/l	99
38) Carbon Tetrachloride	8.087	117	205709	49.141	ug/l	96
39) Methylcyclohexane	9.343	83	279446	50.909	ug/l	96
40) Benzene	8.331	78	638121	49.422	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	73360	49.252	ug/l		95
42) 1,2-Dichloroethane	8.410	62	203485	49.242	ug/l		100
43) Isopropyl Acetate	8.435	43	233100	51.748	ug/l		100
44) Trichloroethene	9.099	130	150370	48.996	ug/l		97
45) 1,2-Dichloropropane	9.374	63	151921	48.855	ug/l		97
46) Dibromomethane	9.465	93	96302	49.959	ug/l		97
47) Bromodichloromethane	9.648	83	233260	50.465	ug/l		99
48) Methyl methacrylate	9.441	41	111759	52.150	ug/l		99
49) 1,4-Dioxane	9.465	88	20081	1044.021	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.209	43	646271	262.159	ug/l		100
52) Toluene	10.392	92	411023	49.520	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	227133	51.226	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	256794	50.715	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	128088	50.025	ug/l		91
56) Ethyl methacrylate	10.648	69	190747	52.748	ug/l		99
57) 1,3-Dichloropropane	10.934	76	226448	50.201	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	495366	266.689	ug/l		98
59) 2-Hexanone	10.965	43	463102	270.260	ug/l		100
60) Dibromochloromethane	11.129	129	148718	49.816	ug/l		99
61) 1,2-Dibromoethane	11.233	107	125012	49.410	ug/l		97
64) Tetrachloroethene	10.867	164	116825	48.658	ug/l		92
65) Chlorobenzene	11.660	112	424231	47.600	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	143748	52.026	ug/l		97
67) Ethyl Benzene	11.733	91	772618	49.339	ug/l		98
68) m/p-Xylenes	11.837	106	582795	98.862	ug/l		98
69) o-Xylene	12.166	106	286822	51.412	ug/l		98
70) Styrene	12.178	104	477401	50.260	ug/l		98
71) Bromoform	12.343	173	78568	51.994	ug/l	#	97
73) Isopropylbenzene	12.458	105	737512	49.484	ug/l		100
74) N-amyl acetate	12.269	43	211747	52.553	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	157475	49.778	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	201935	85.149	ug/l	#	100
77) Bromobenzene	12.745	156	160635	49.814	ug/l		94
78) n-propylbenzene	12.800	91	901700	49.260	ug/l		99
79) 2-Chlorotoluene	12.891	91	535719	49.018	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	626726	50.139	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	53527	52.109	ug/l		98
82) 4-Chlorotoluene	12.983	91	560575	48.892	ug/l		99
83) tert-Butylbenzene	13.202	119	530770	49.850	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	621802	49.148	ug/l		99
85) sec-Butylbenzene	13.379	105	802831	50.210	ug/l		100
86) p-Isopropyltoluene	13.489	119	664260	50.261	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	316200	47.106	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	320113	48.681	ug/l		98
89) n-Butylbenzene	13.818	91	638513	49.250	ug/l		98
90) Hexachloroethane	14.086	117	113450	49.643	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	286039	48.082	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28523	49.905	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	177038	49.346	ug/l		93
94) Hexachlorobutadiene	15.232	225	78966	46.450	ug/l		92
95) Naphthalene	15.360	128	462913	52.482	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	164194	50.512	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

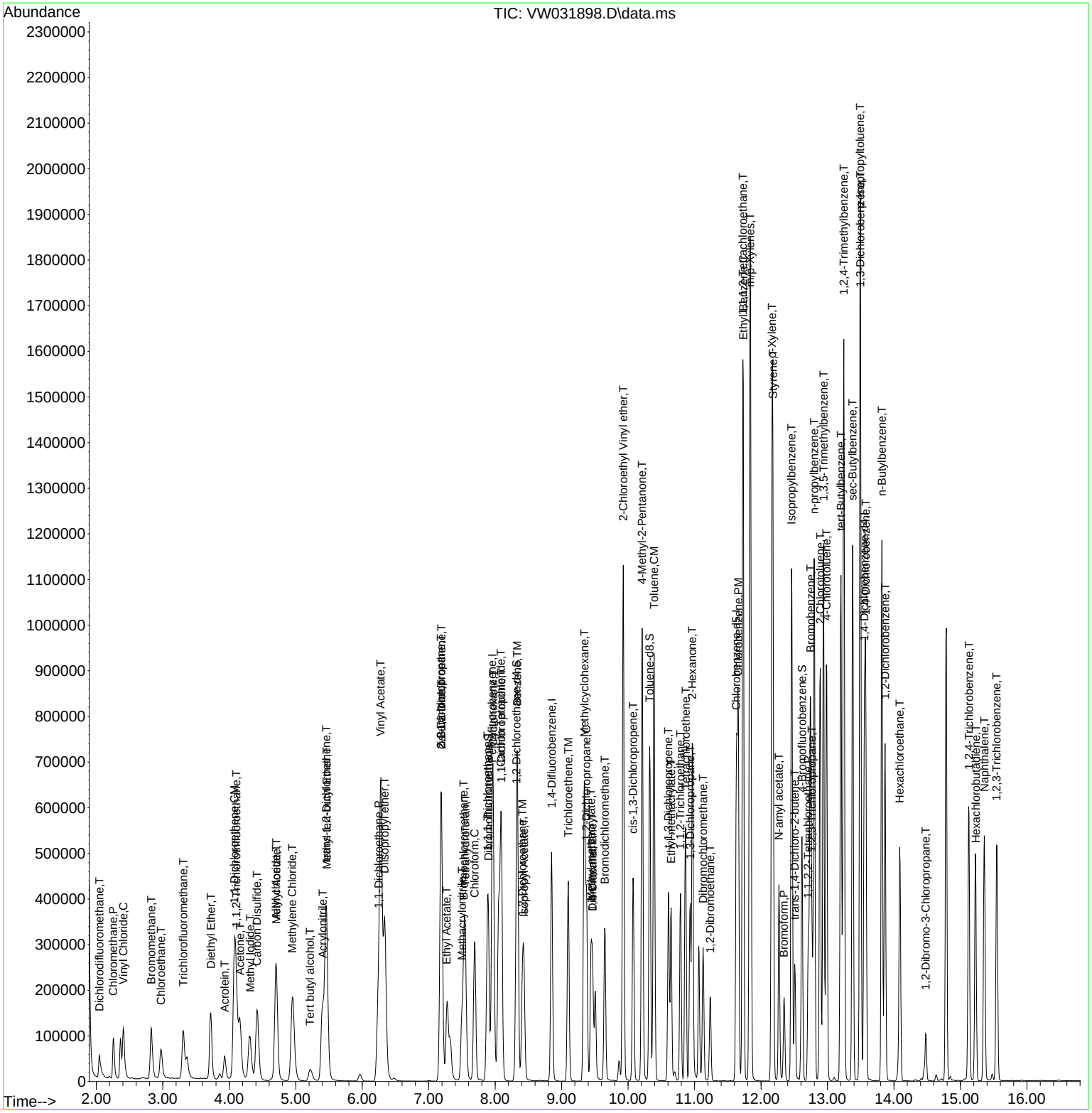
(#) = qualifier out of range (m) = manual integration (+) = signals summed

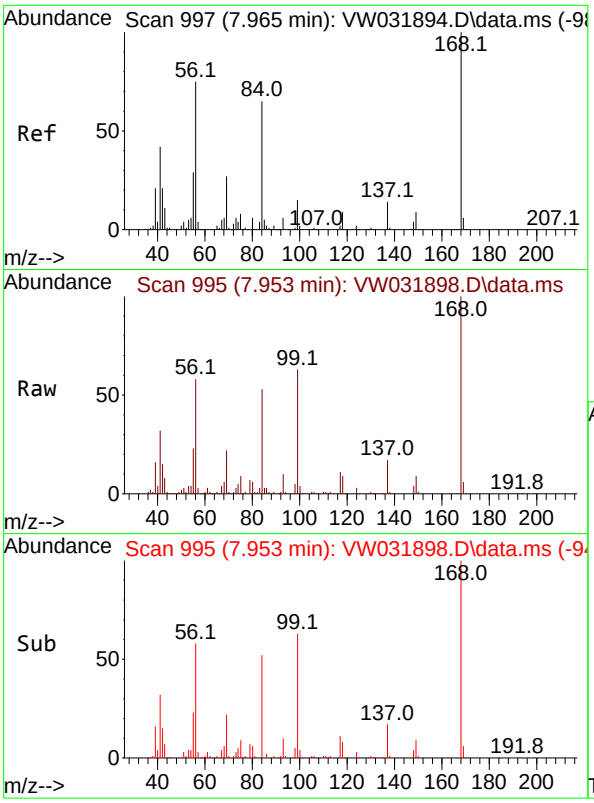
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



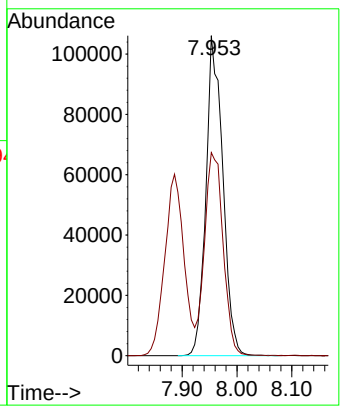


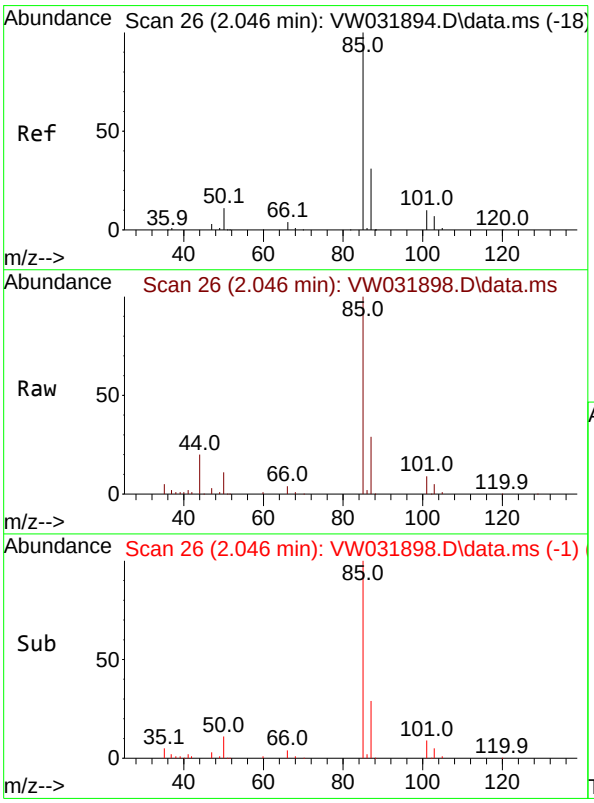
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 9
Delta R.T. -0.012 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:168 Resp: 226226

Ion	Ratio	Lower	Upper
168	100		
99	63.4	48.2	72.2

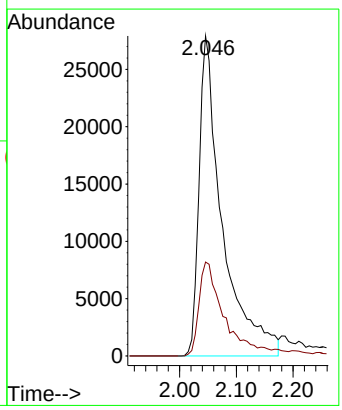


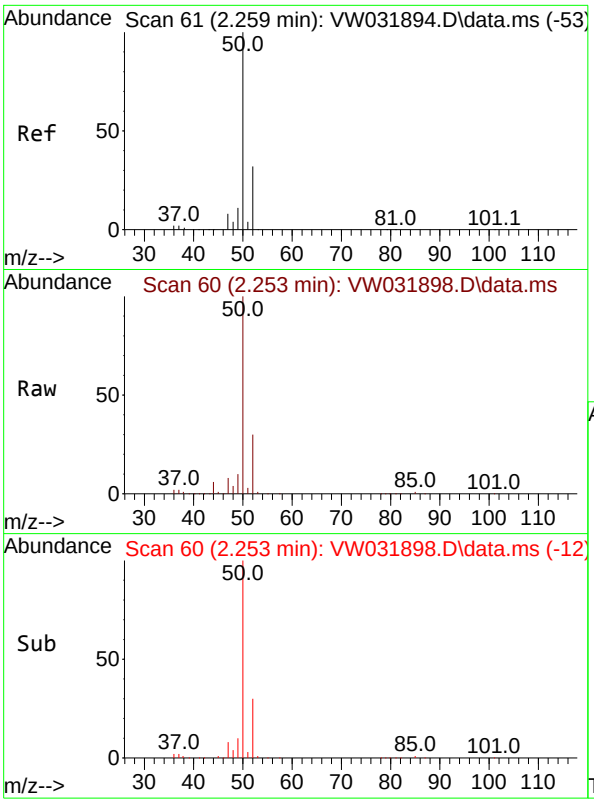


#2
Dichlorodifluoromethane
Concen: 47.231 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 85 Resp: 79412

Ion	Ratio	Lower	Upper
85	100		
87	29.3	15.5	46.5



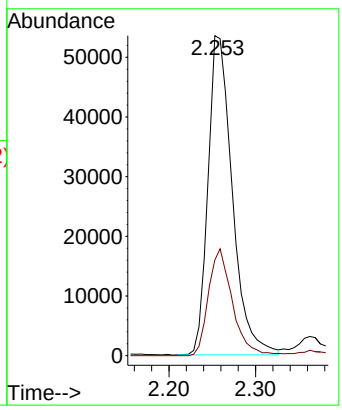


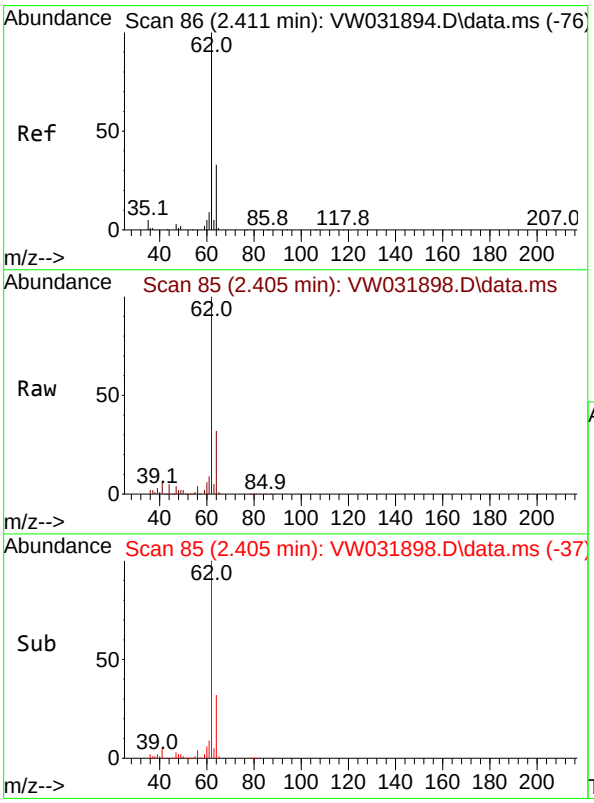
#3
Chloromethane
Concen: 48.299 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 50 Resp: 104231

Ion	Ratio	Lower	Upper
50	100		
52	30.0	25.7	38.5

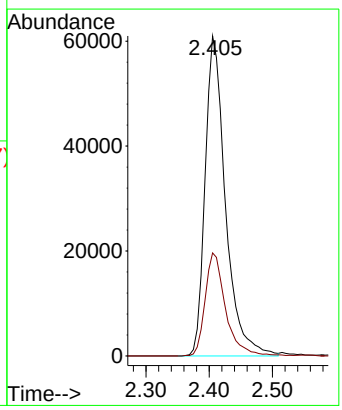


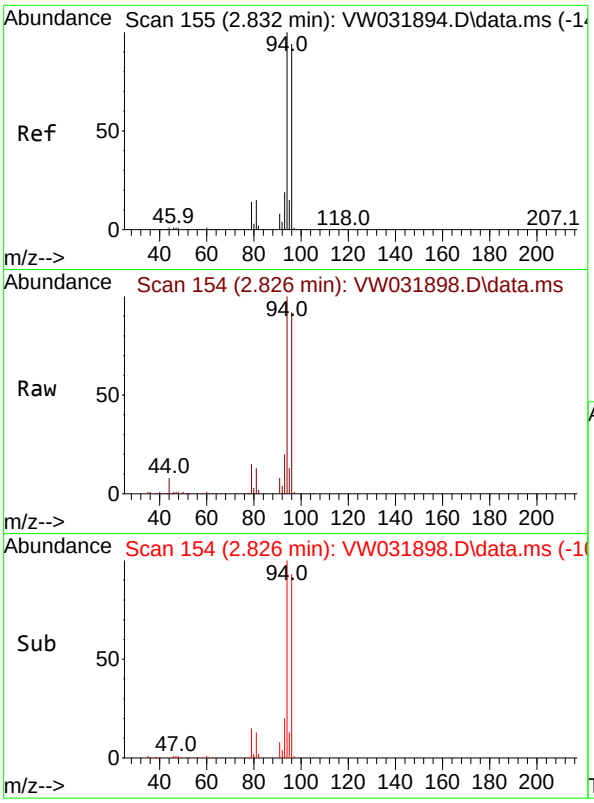


#4
Vinyl Chloride
Concen: 48.682 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 62 Resp: 136473

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.2



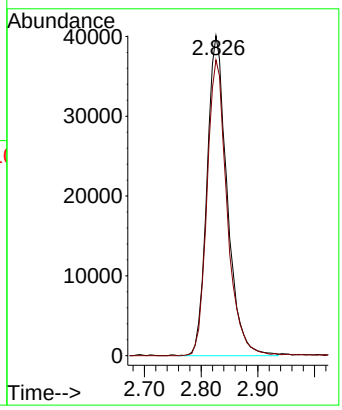


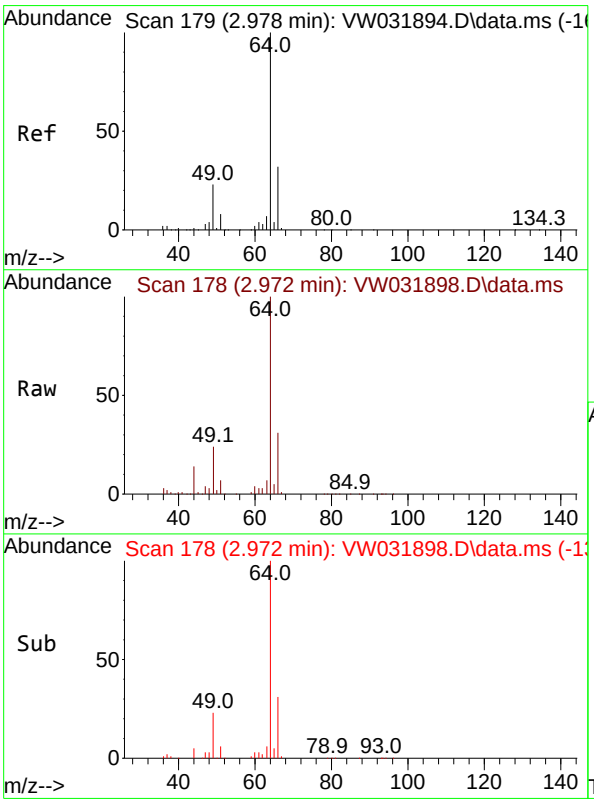
#5
Bromomethane
Concen: 47.931 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 94 Resp: 98945

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.6

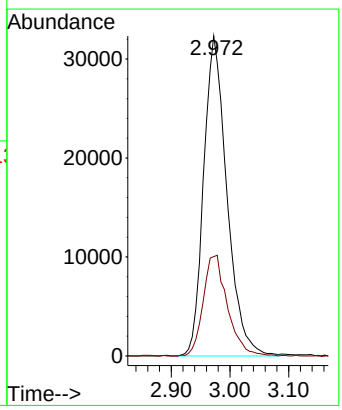


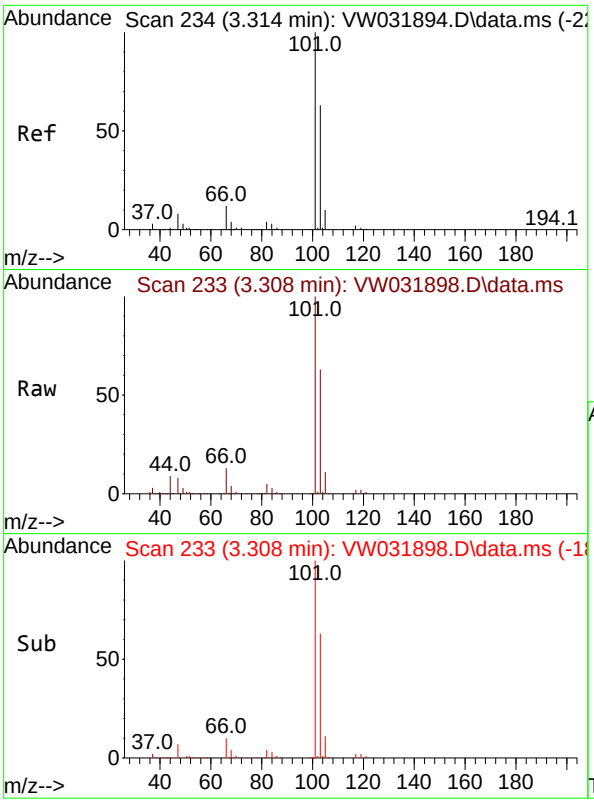


#6
Chloroethane
Concen: 48.122 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 64 Resp: 89035

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.6	38.4



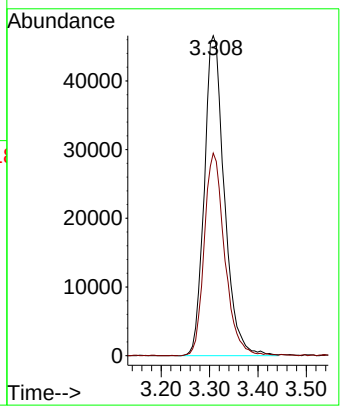


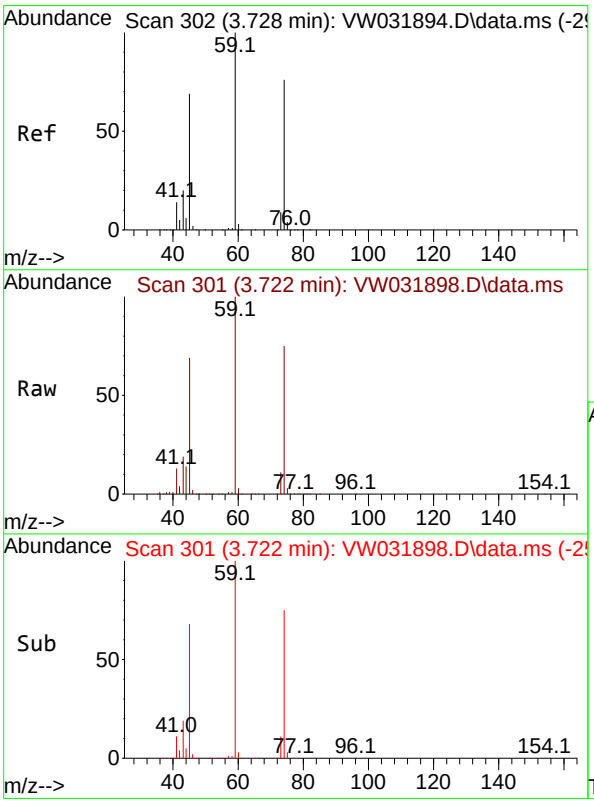
#7
Trichlorofluoromethane
Concen: 47.287 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:101 Resp: 134264

Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.7	76.1

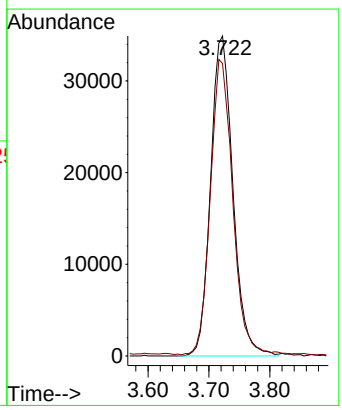


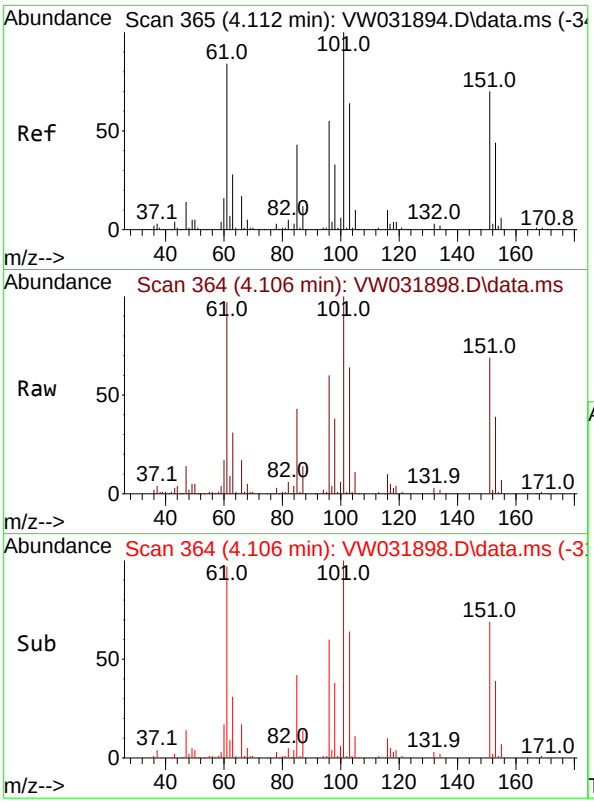


#8
Diethyl Ether
Concen: 46.898 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 74 Resp: 88950

Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.5	136.5



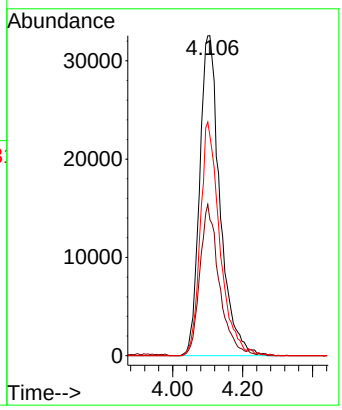


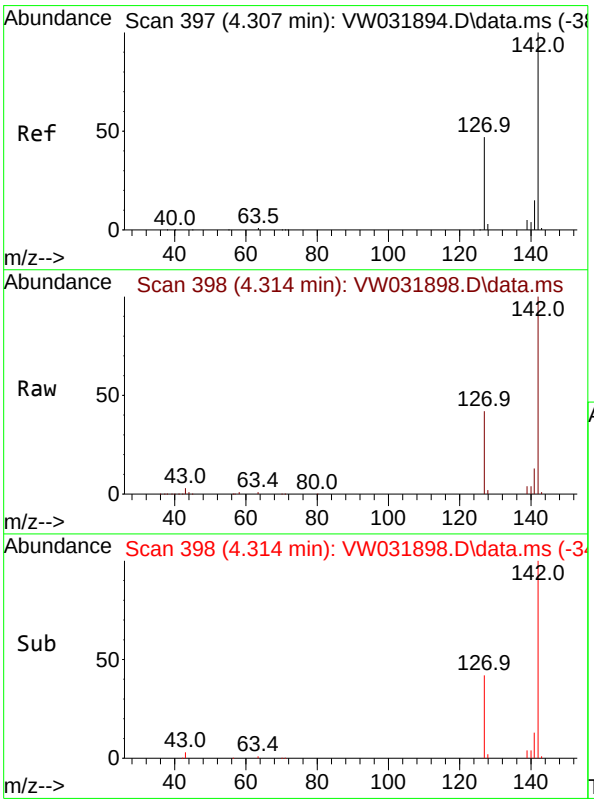
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.057 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:101 Resp: 131248

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	69.3	54.6	81.8

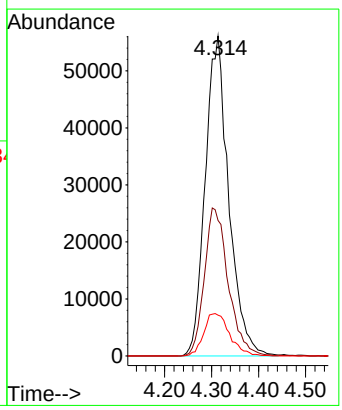


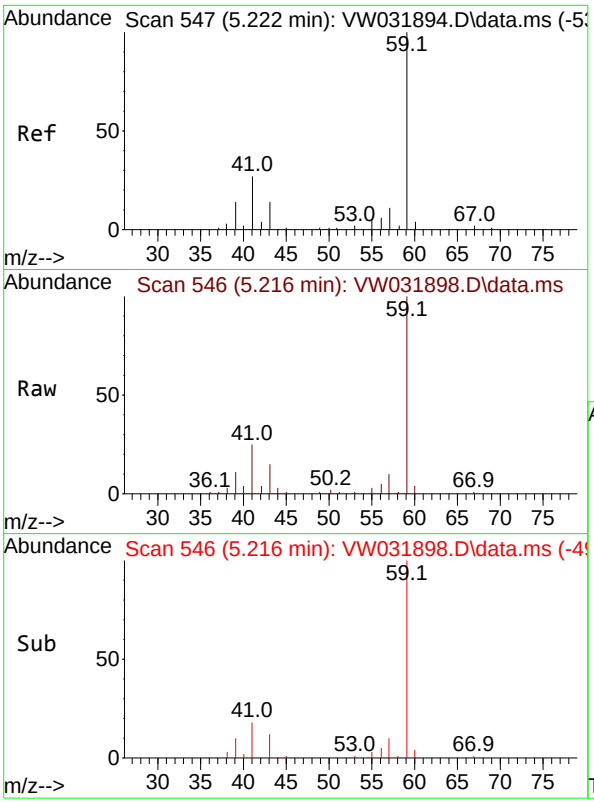


#10
Methyl Iodide
Concen: 47.621 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:142 Resp: 194455

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.4	56.2
141	14.6	11.9	17.9



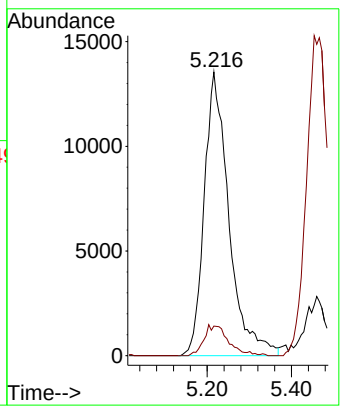


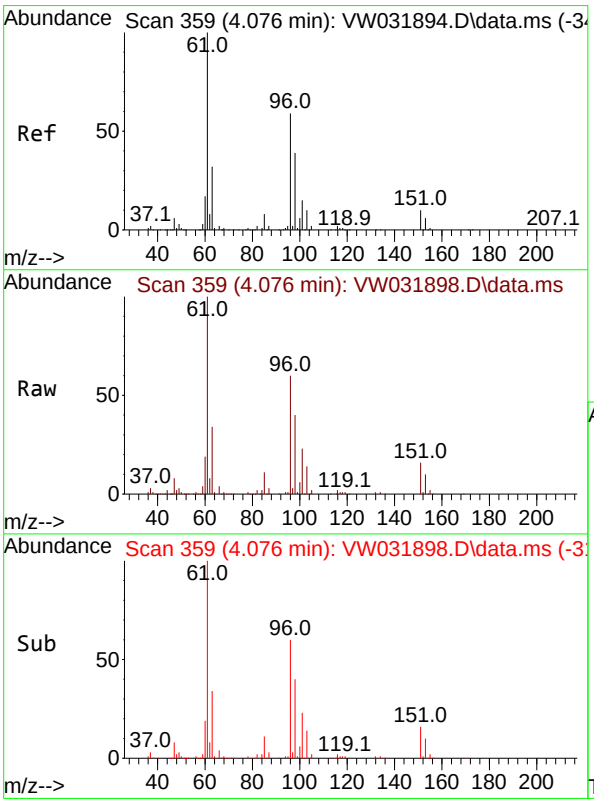
#11
Tert butyl alcohol
Concen: 273.664 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 59 Resp: 55051

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

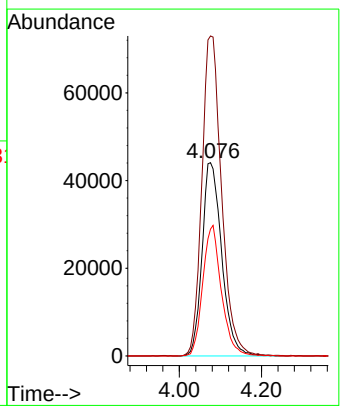


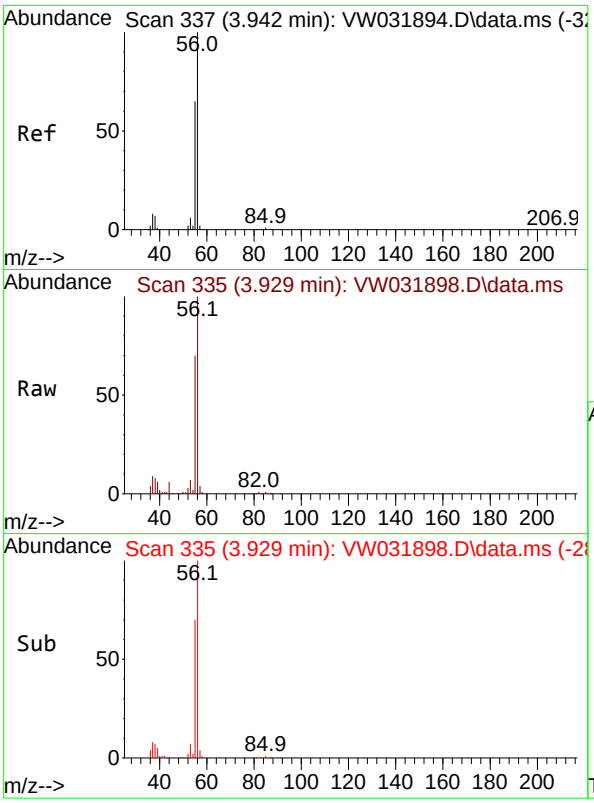


#12
1,1-Dichloroethene
Concen: 48.510 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 96 Resp: 146332

Ion	Ratio	Lower	Upper
96	100		
61	165.6	135.0	202.6
98	65.7	52.3	78.5



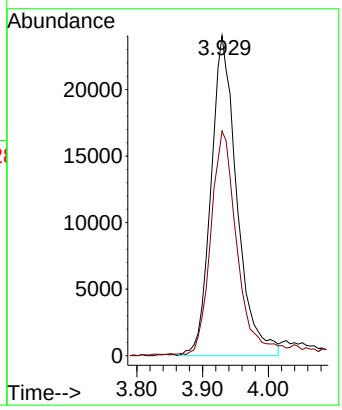


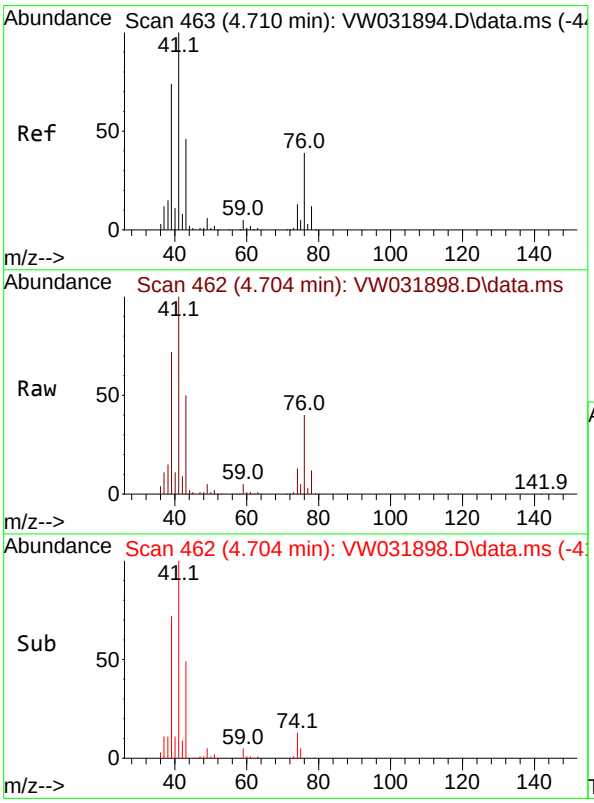
#13
Acrolein
Concen: 243.737 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 56 Resp: 66037

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.7	85.1

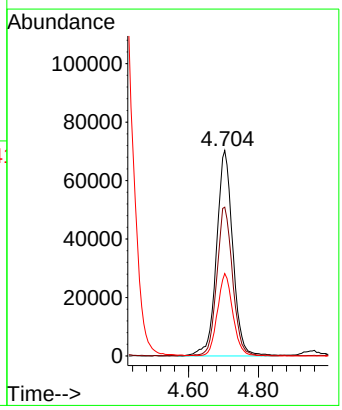


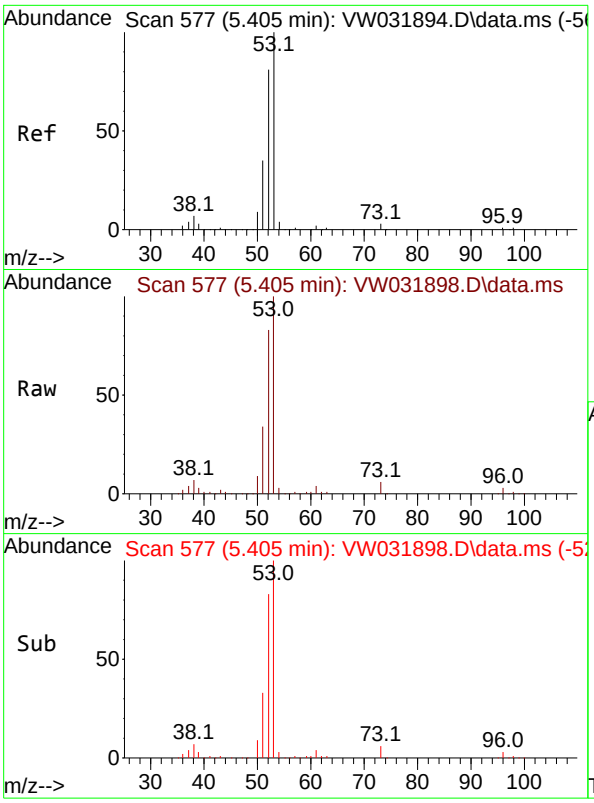


#14
Allyl chloride
Concen: 48.442 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 41 Resp: 227478

Ion	Ratio	Lower	Upper
41	100		
39	69.7	56.6	85.0
76	37.8	30.1	45.1



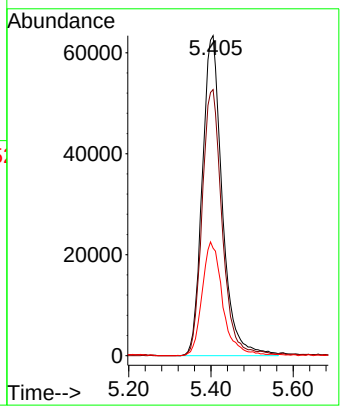


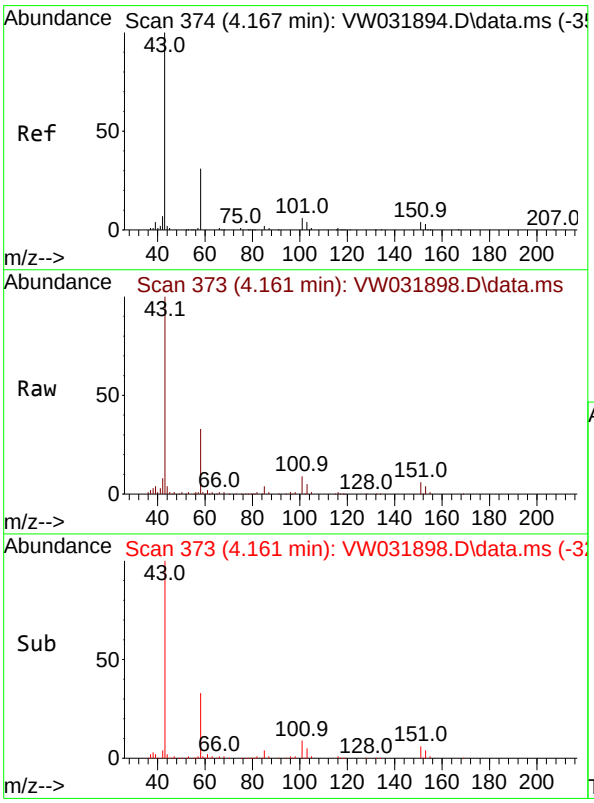
#15
Acrylonitrile
Concen: 252.071 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 53 Resp: 213745

Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	36.6	29.9	44.9

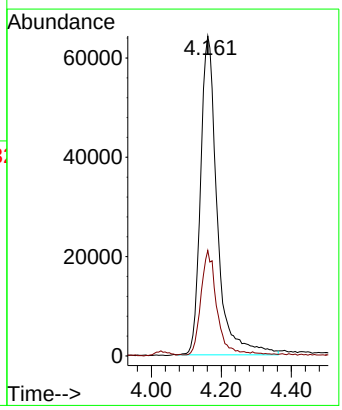


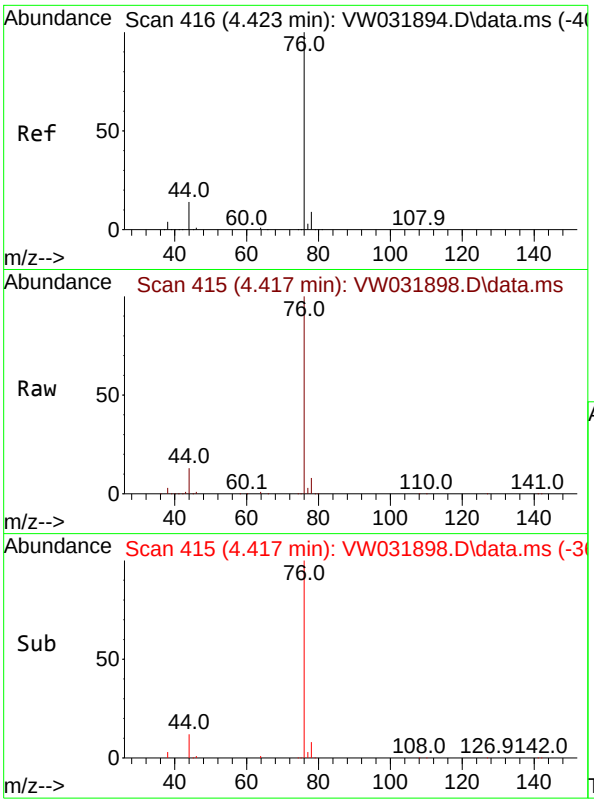


#16
Acetone
Concen: 261.441 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 212311

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.5	38.3



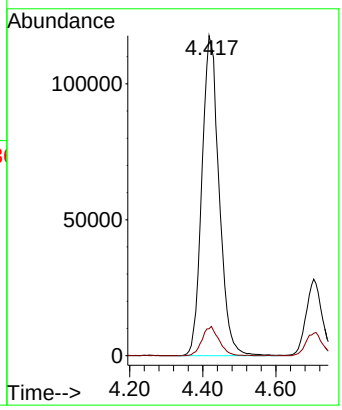


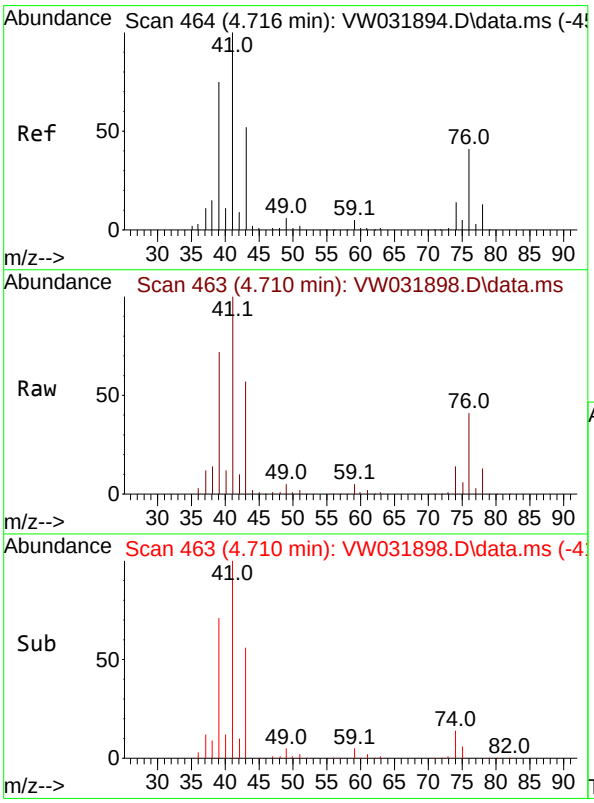
#17
Carbon Disulfide
Concen: 49.063 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 76 Resp: 383835

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.5	11.3

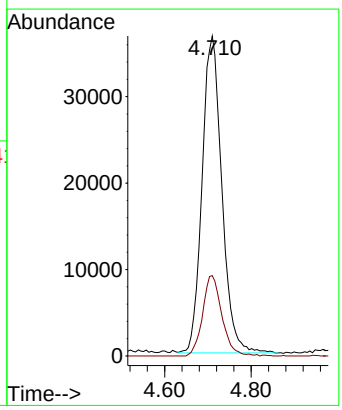


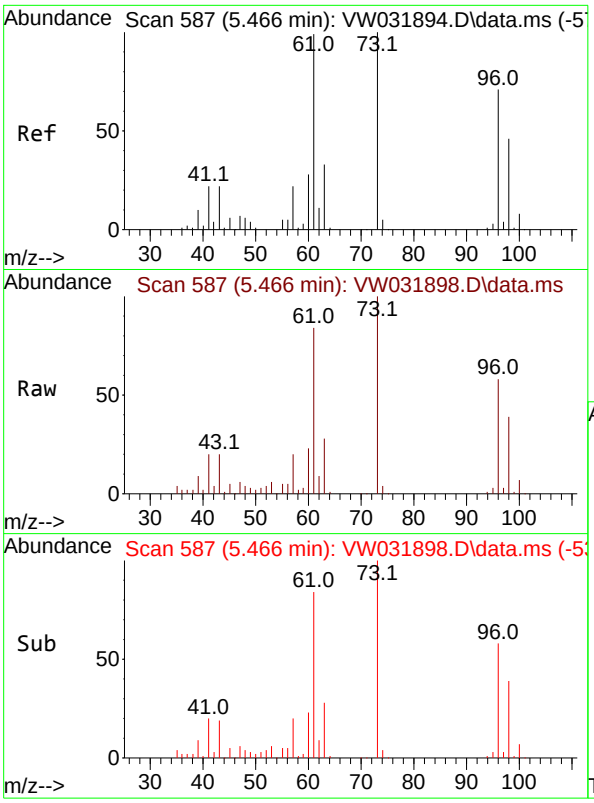


#18
Methyl Acetate
Concen: 51.889 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 116092

Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.6	31.0



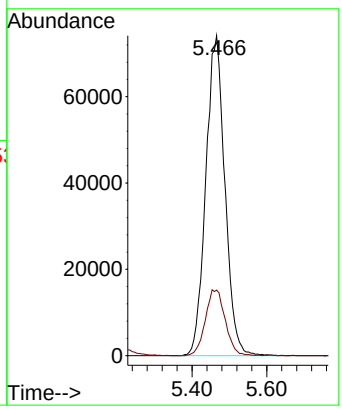


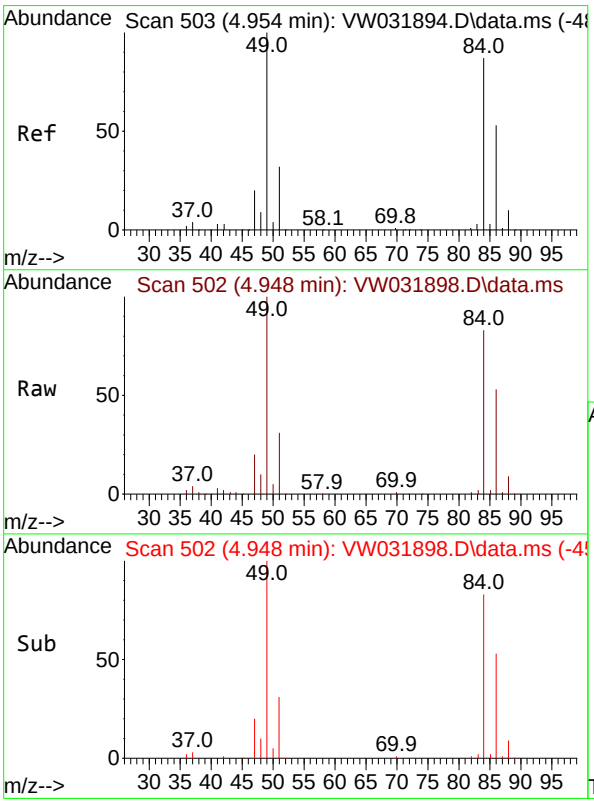
#19
Methyl tert-butyl Ether
Concen: 50.308 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 73 Resp: 262205

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.5	26.3

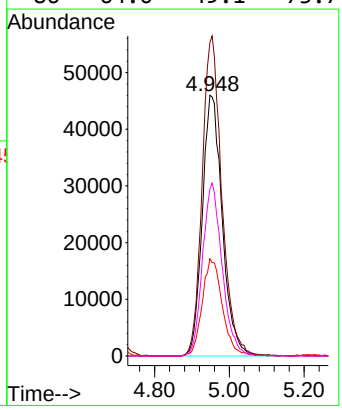


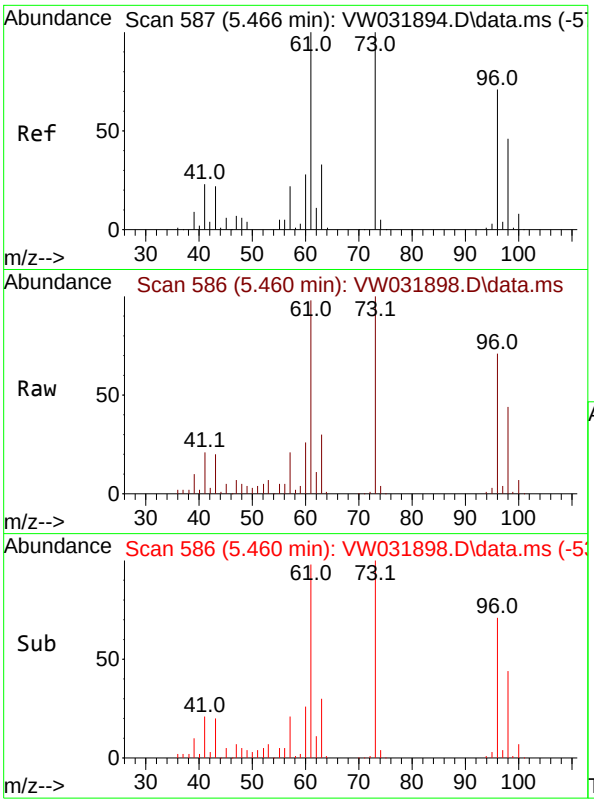


#20
Methylene Chloride
Concen: 49.004 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 84 Resp: 170521

Ion	Ratio	Lower	Upper
84	100		
49	120.2	91.9	137.9
51	37.4	29.0	43.6
86	64.0	49.1	73.7



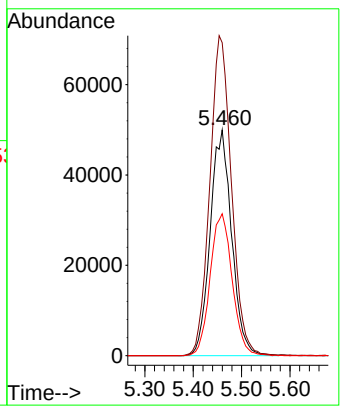


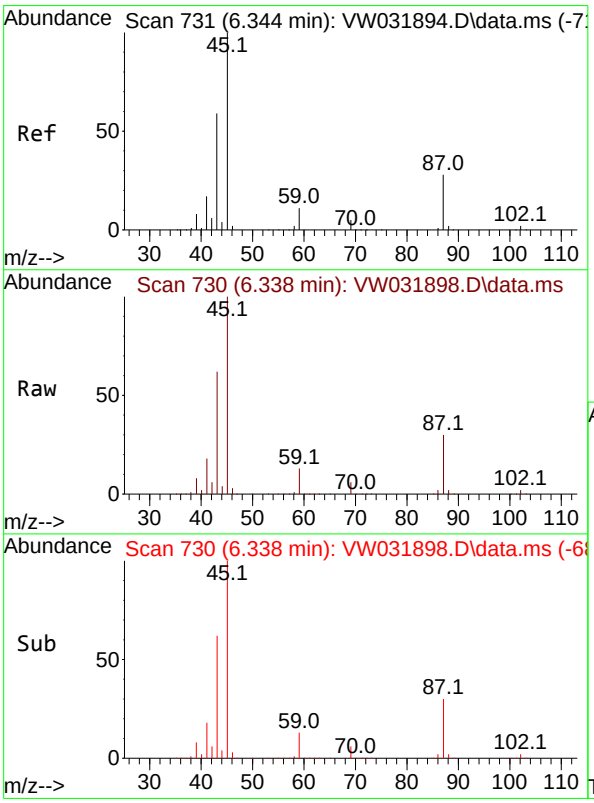
#21
trans-1,2-Dichloroethene
Concen: 48.220 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 96 Resp: 154329

Ion	Ratio	Lower	Upper
96	100		
61	138.6	112.8	169.2
98	62.9	51.9	77.9

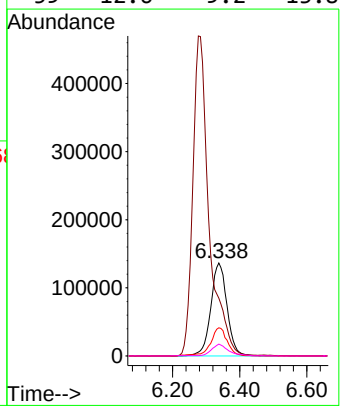


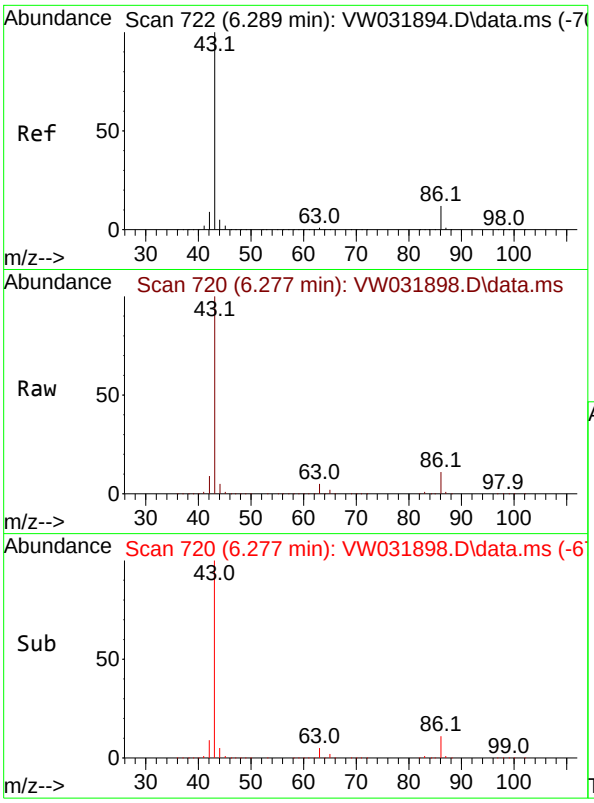


#22
Diisopropyl ether
Concen: 48.814 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 45 Resp: 458677

Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.0	70.6
87	30.2	22.8	34.2
59	12.6	9.2	13.8



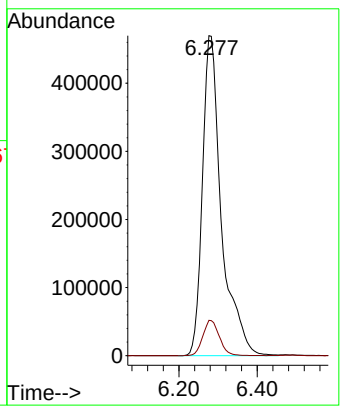


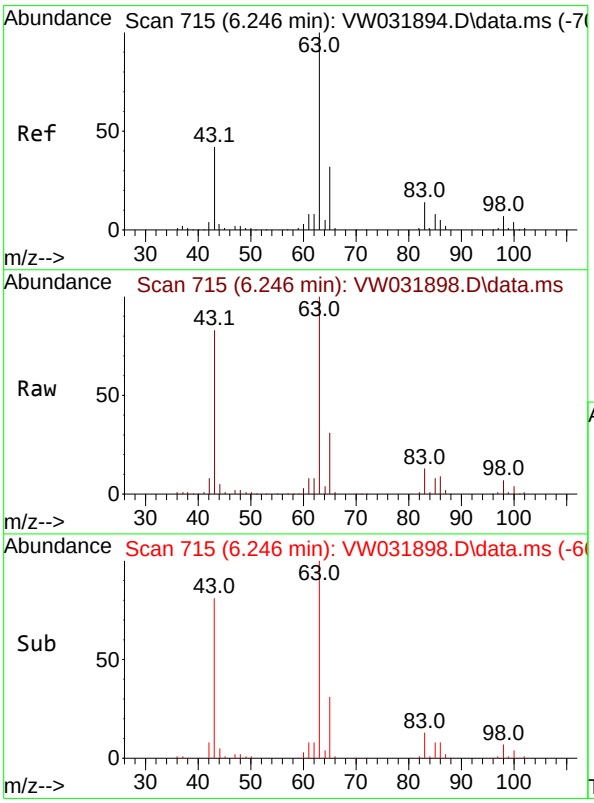
#23
Vinyl Acetate
Concen: 257.536 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 1580961

Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.2

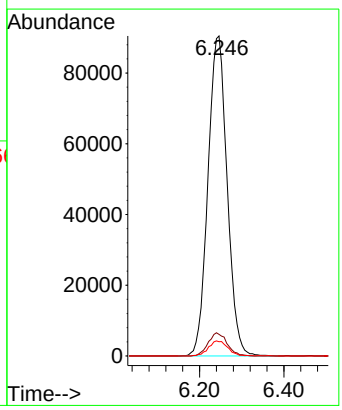


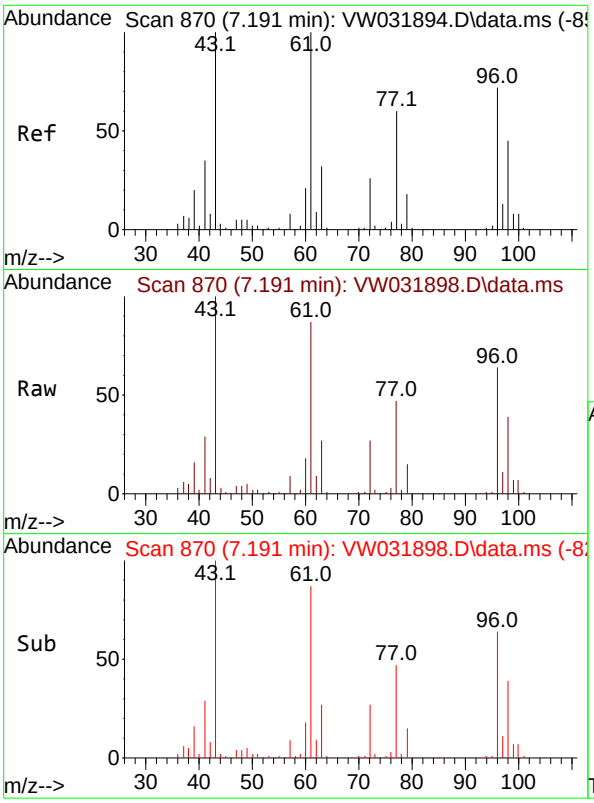


#24
1,1-Dichloroethane
Concen: 48.848 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 63 Resp: 285778

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.9
100	4.5	2.2	6.6



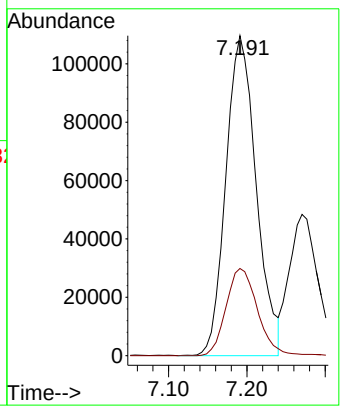


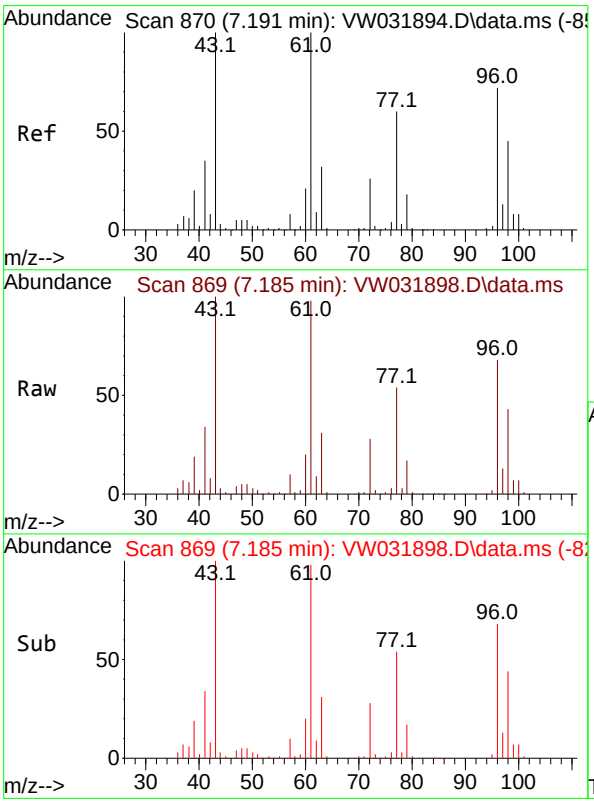
#25
2-Butanone
Concen: 266.207 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 295784

Ion	Ratio	Lower	Upper
43	100		
72	27.3	20.8	31.2

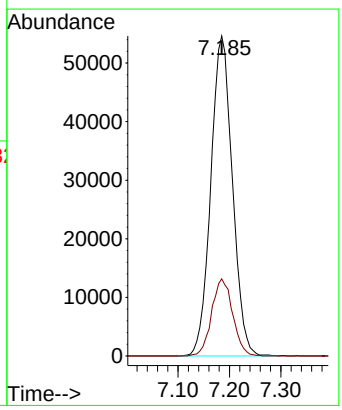


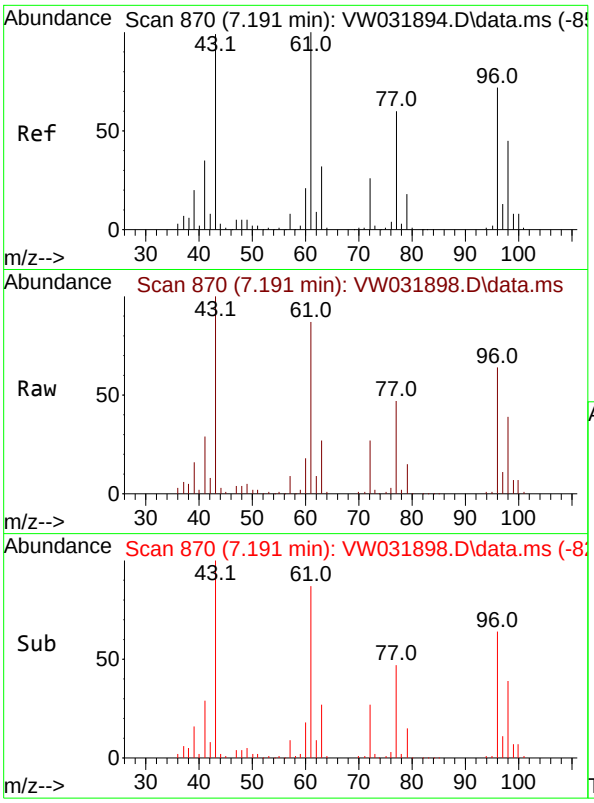


#26
2,2-Dichloropropane
Concen: 48.135 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 77 Resp: 159426

Ion	Ratio	Lower	Upper
77	100		
97	23.4	11.4	34.1



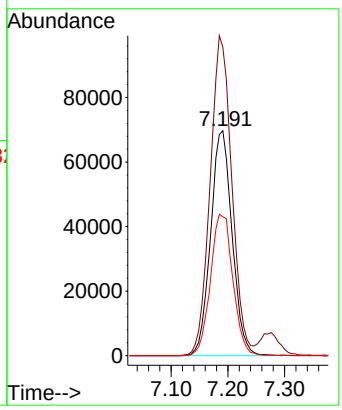


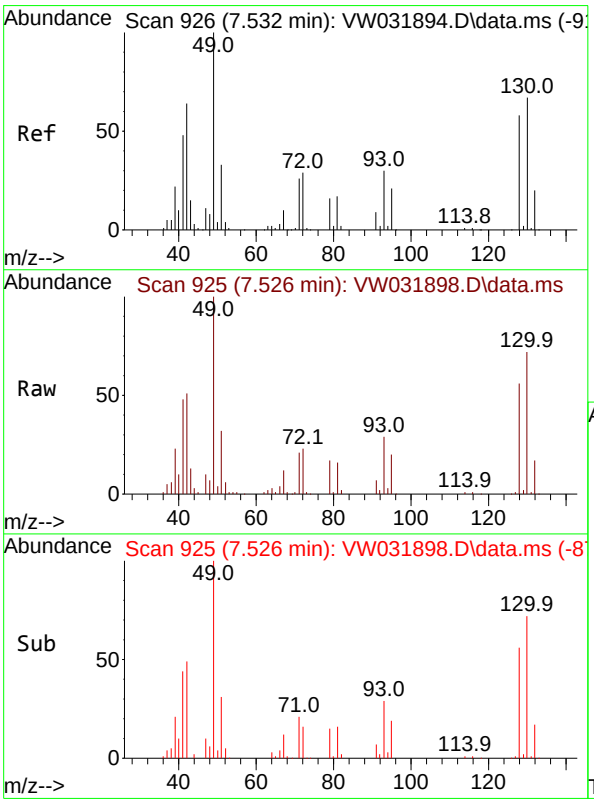
#27
cis-1,2-Dichloroethene
Concen: 48.747 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 96 Resp: 183416

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	280.2
98	65.5	0.0	126.8

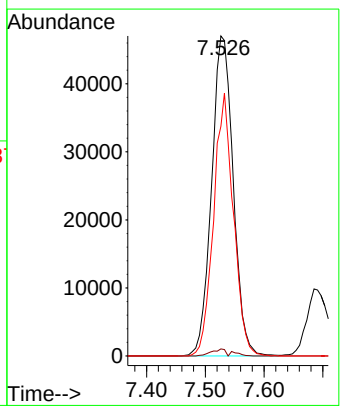


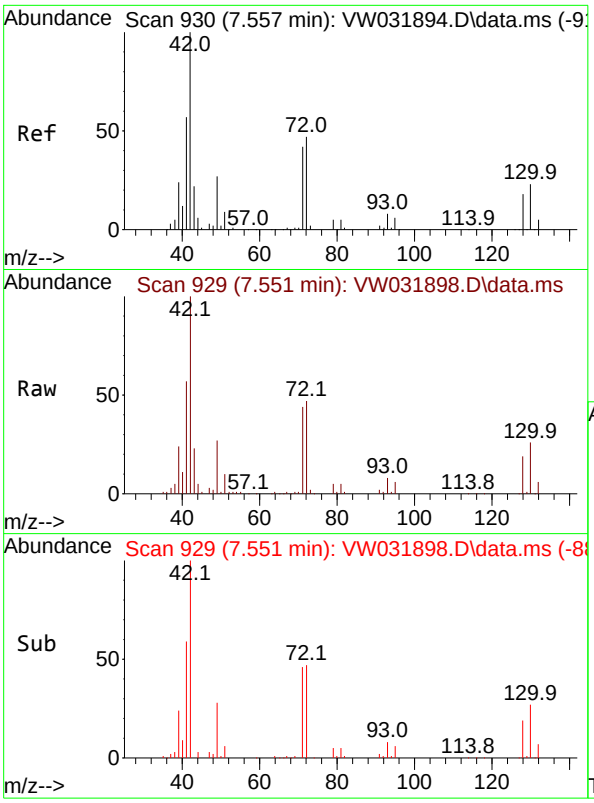


#28
Bromochloromethane
Concen: 49.115 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 49 Resp: 120307

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	75.3	59.0	88.4



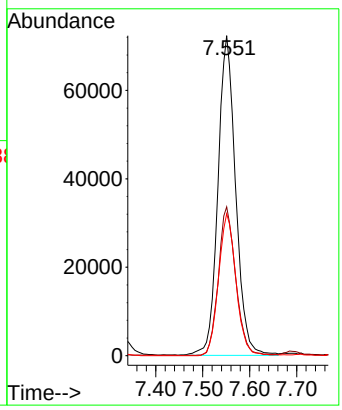


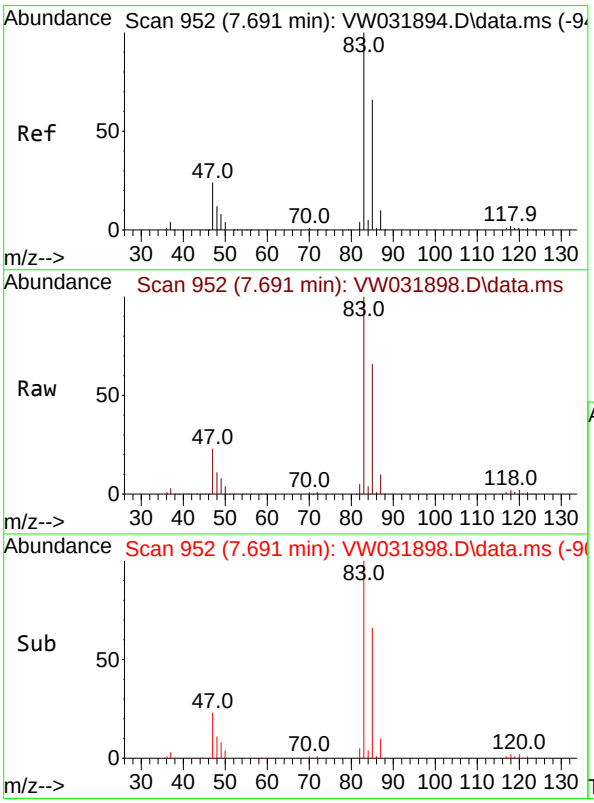
#29
Tetrahydrofuran
Concen: 260.591 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 42 Resp: 189833

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	43.7	34.5	51.7

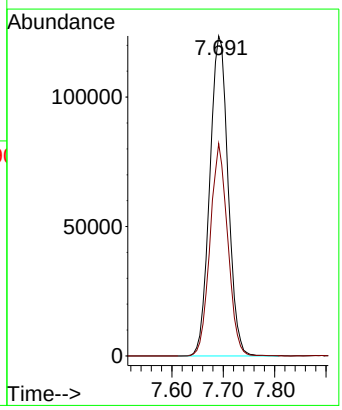


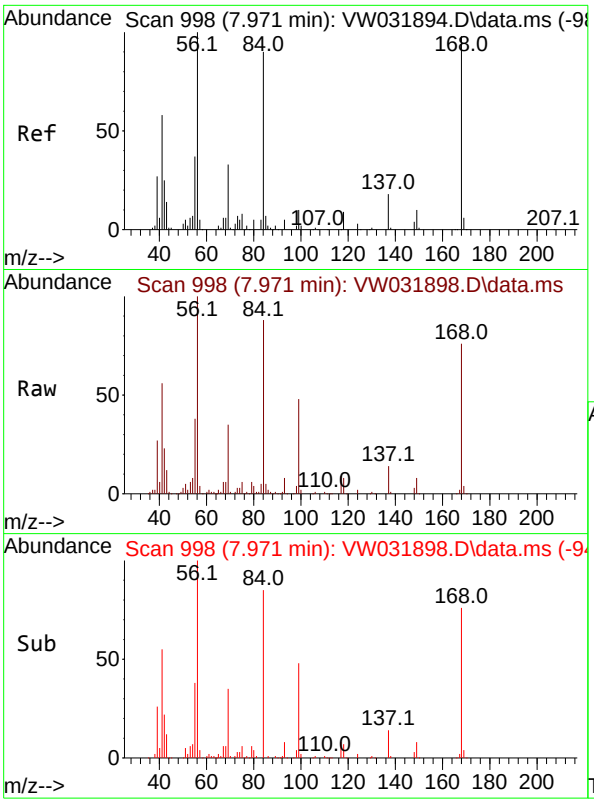


#30
Chloroform
Concen: 49.755 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 83 Resp: 305201

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8



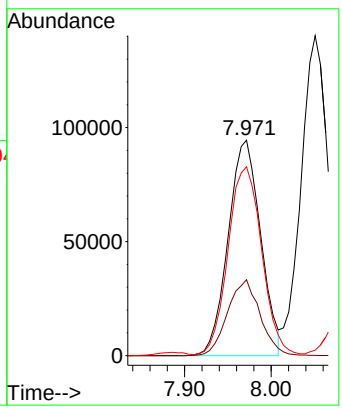


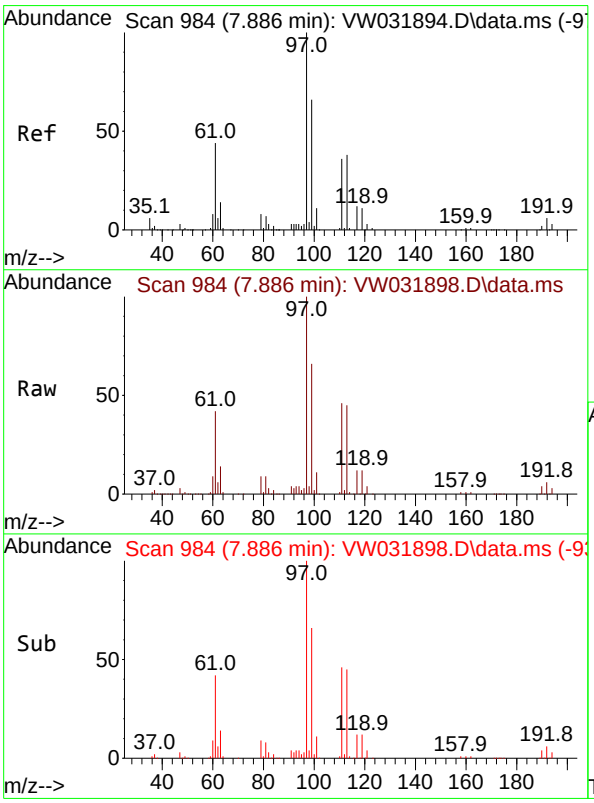
#31
Cyclohexane
Concen: 46.897 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 56 Resp: 246141

Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.7	40.1
84	86.3	71.8	107.6

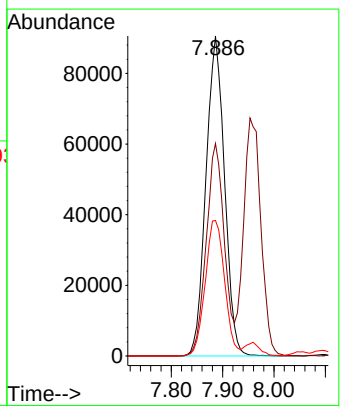


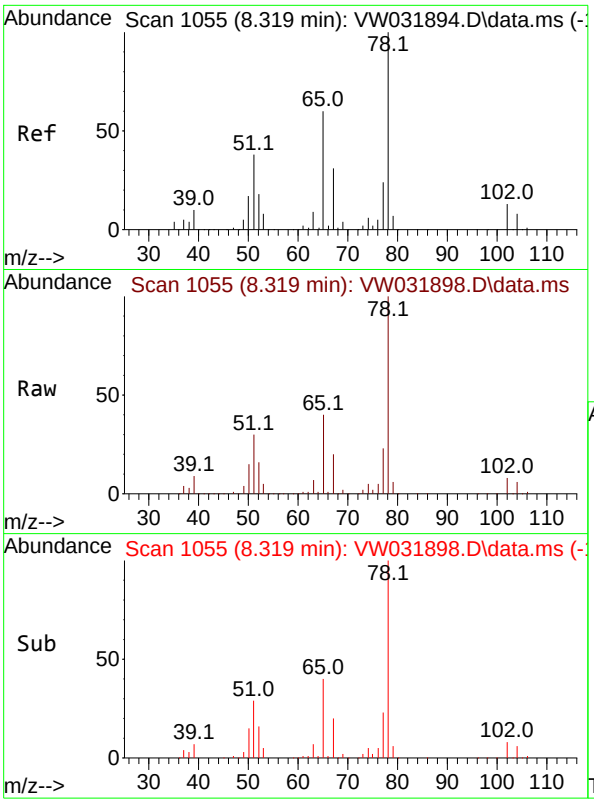


#32
1,1,1-Trichloroethane
Concen: 48.687 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 97 Resp: 227258

Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.0	79.4
61	44.3	35.4	53.0



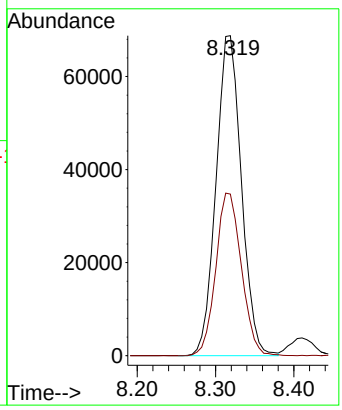


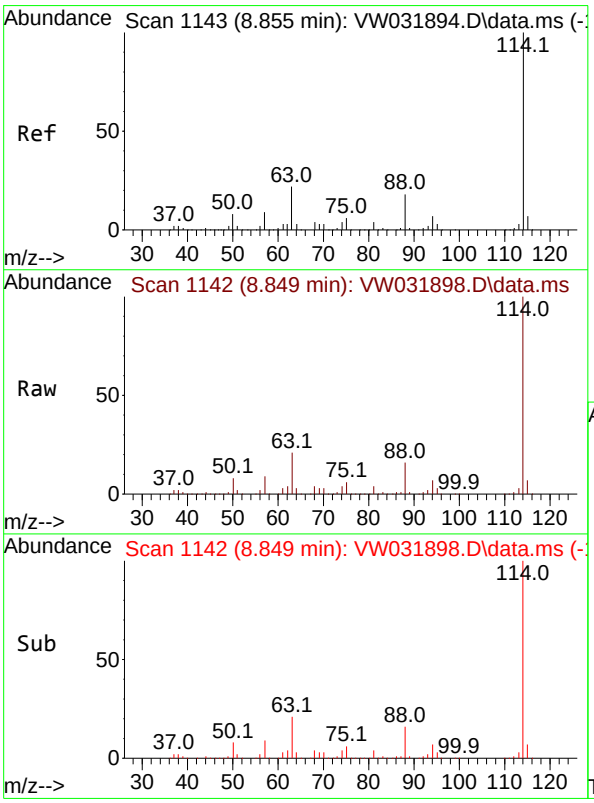
#33
1,2-Dichloroethane-d4
Concen: 45.275 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 65 Resp: 154942

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	101.4

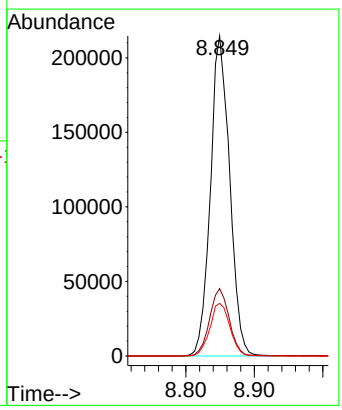


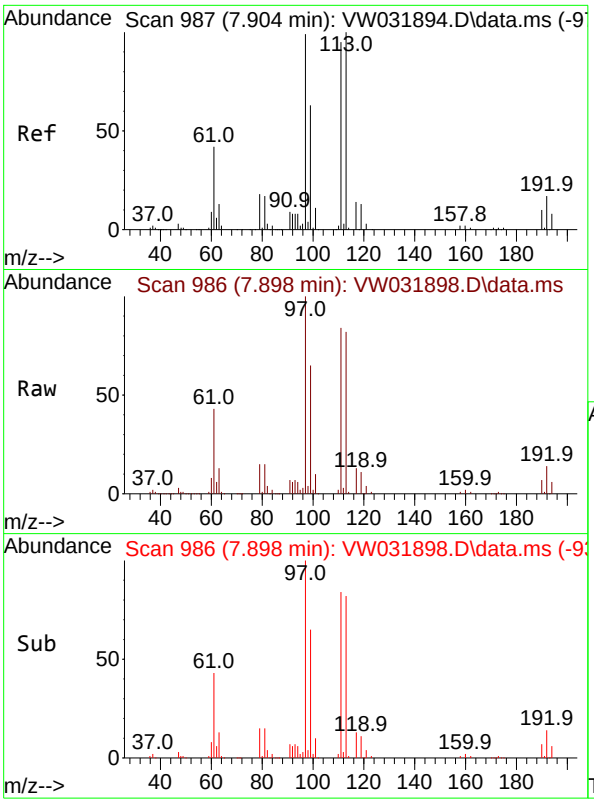


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:114 Resp: 417980

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	16.5	0.0	35.6



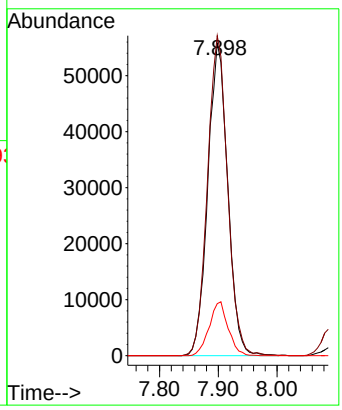


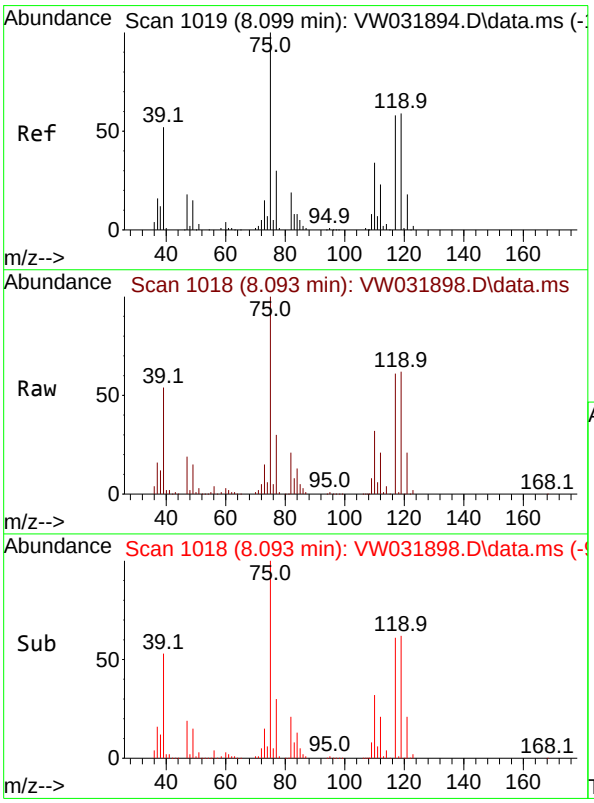
#35
Dibromofluoromethane
Concen: 46.294 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:113 Resp: 131485

Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.9	119.9
192	16.4	12.6	19.0

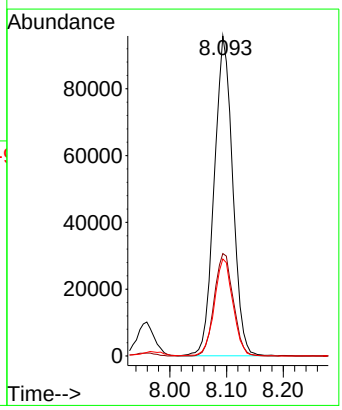


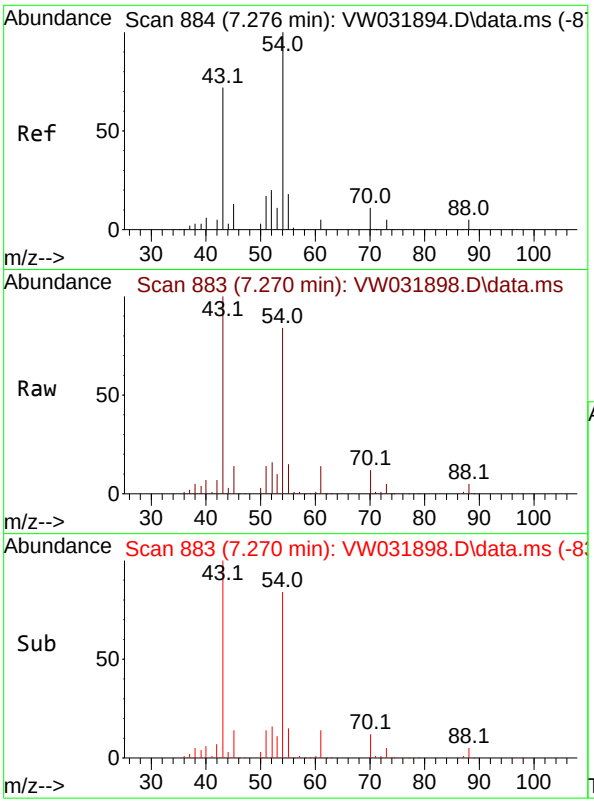


#36
1,1-Dichloropropene
Concen: 49.596 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 216329

Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.0	50.9
77	30.7	25.1	37.7



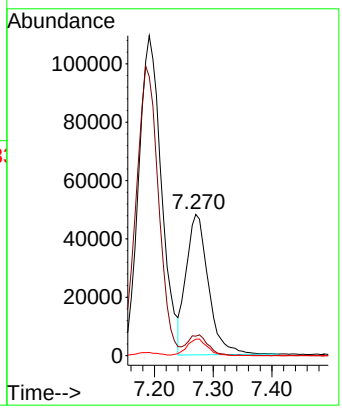


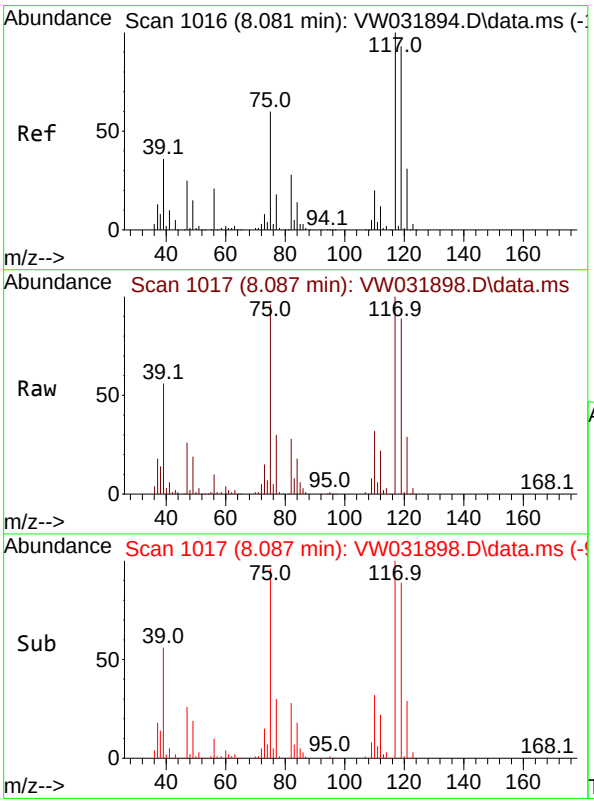
#37
Ethyl Acetate
Concen: 50.911 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 126677

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	10.9	9.0	13.4

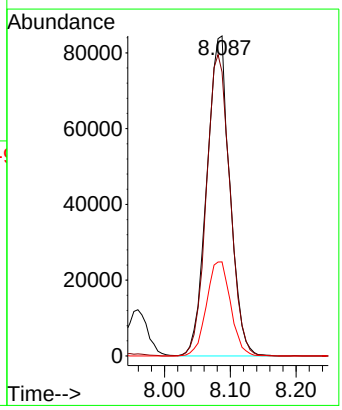


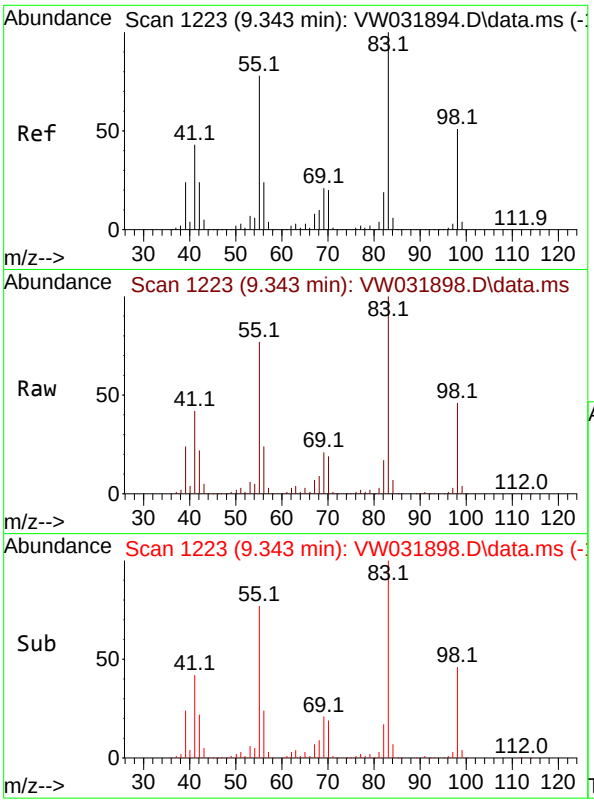


#38
Carbon Tetrachloride
Concen: 49.141 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:117 Resp: 205709

Ion	Ratio	Lower	Upper
117	100		
119	88.8	74.3	111.5
121	29.4	24.6	37.0



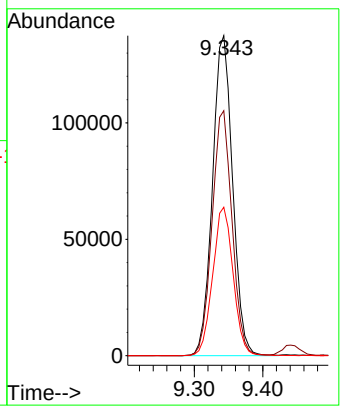


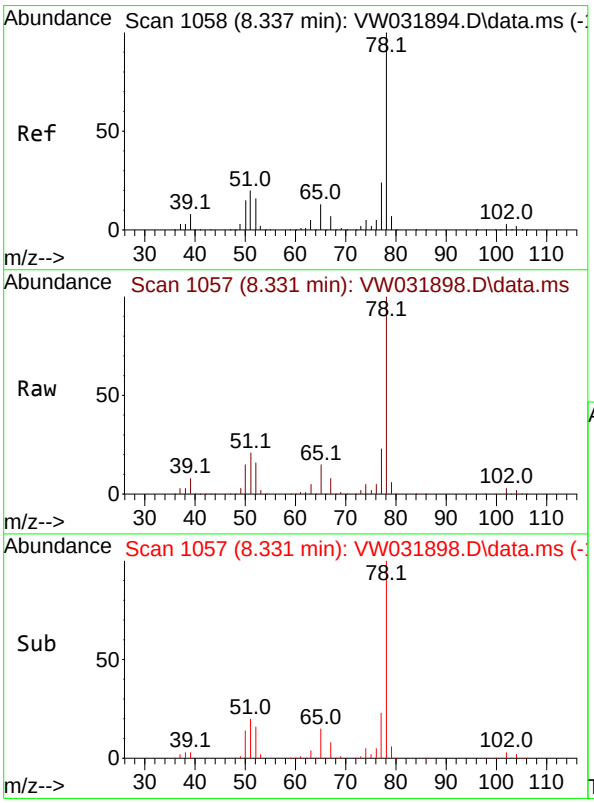
#39
Methylcyclohexane
Concen: 50.909 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 83 Resp: 279446

Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.5	93.7
98	46.4	40.6	61.0

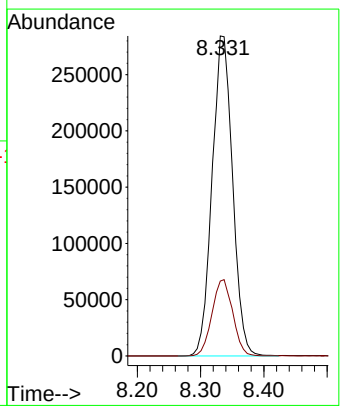


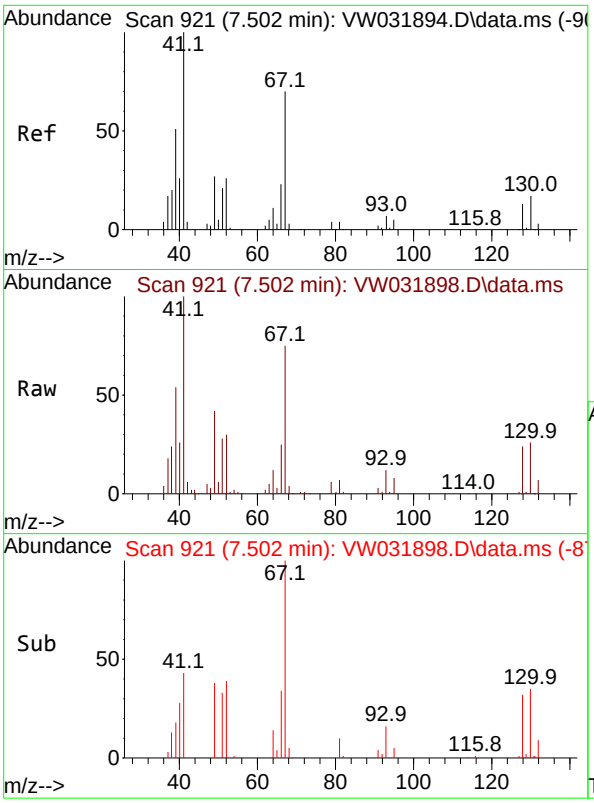


#40
Benzene
Concen: 49.422 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 78 Resp: 638121

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9



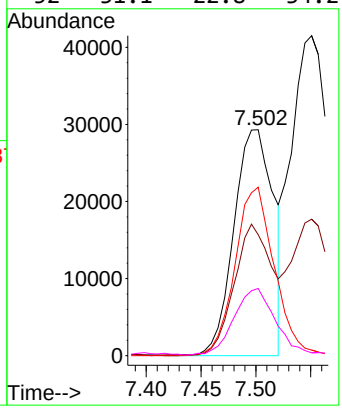


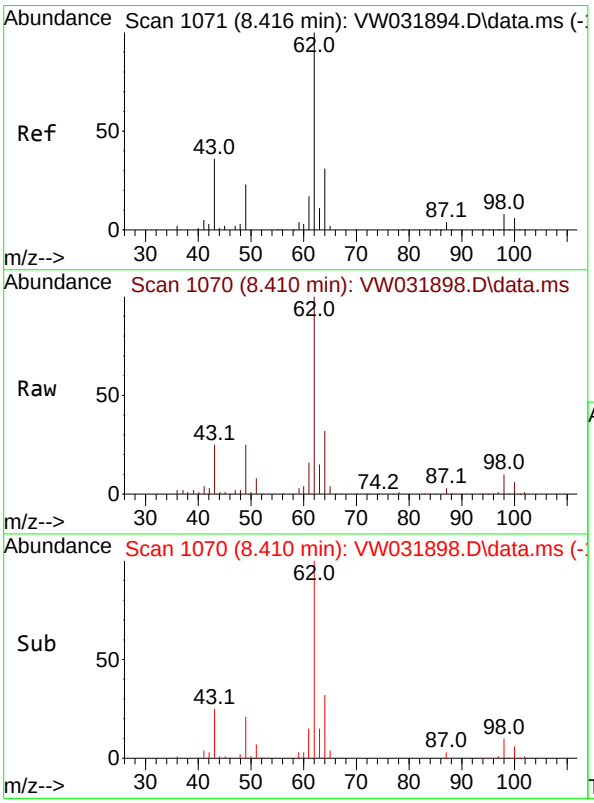
#41
Methacrylonitrile
Concen: 49.252 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 41 Resp: 73360

Ion	Ratio	Lower	Upper
41	100		
39	54.9	41.1	61.7
67	74.6	56.2	84.4
52	31.1	22.8	34.2

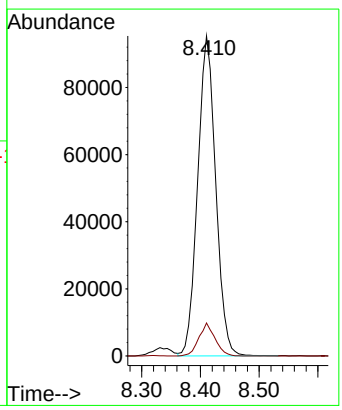


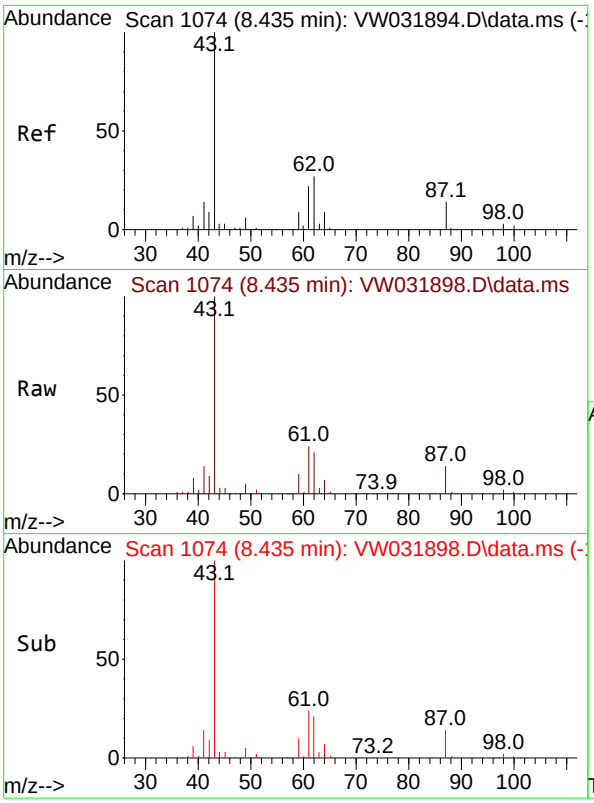


#42
1,2-Dichloroethane
Concen: 49.242 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 62 Resp: 203485

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



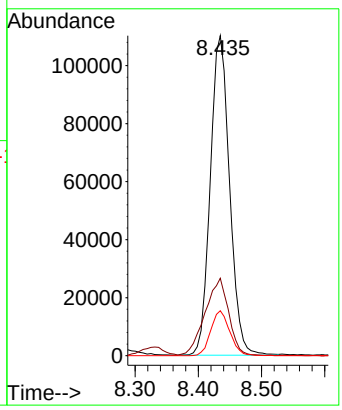


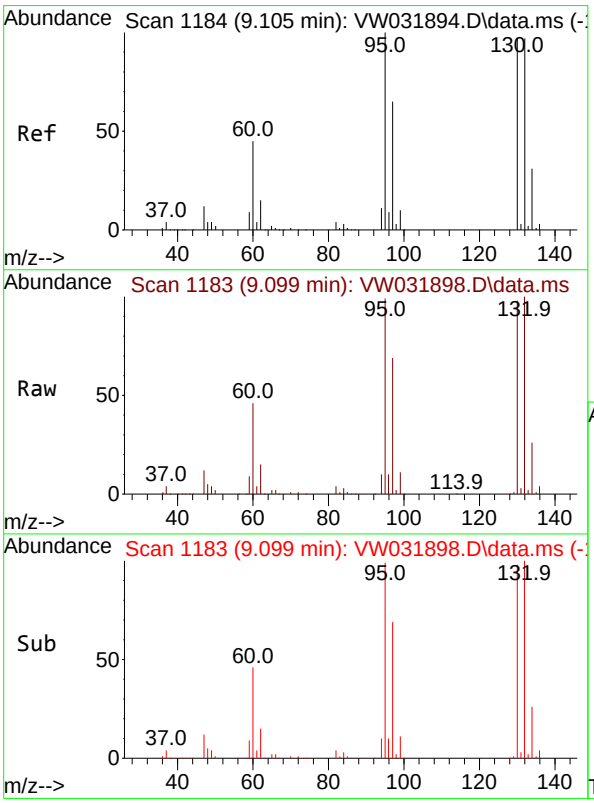
#43
Isopropyl Acetate
Concen: 51.748 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 233100

Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	13.9	11.1	16.7

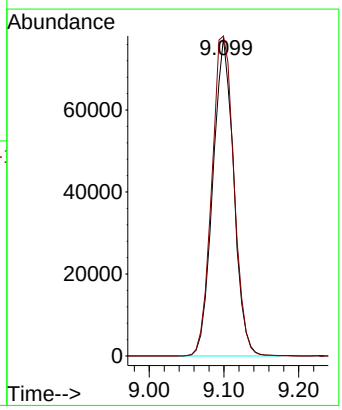


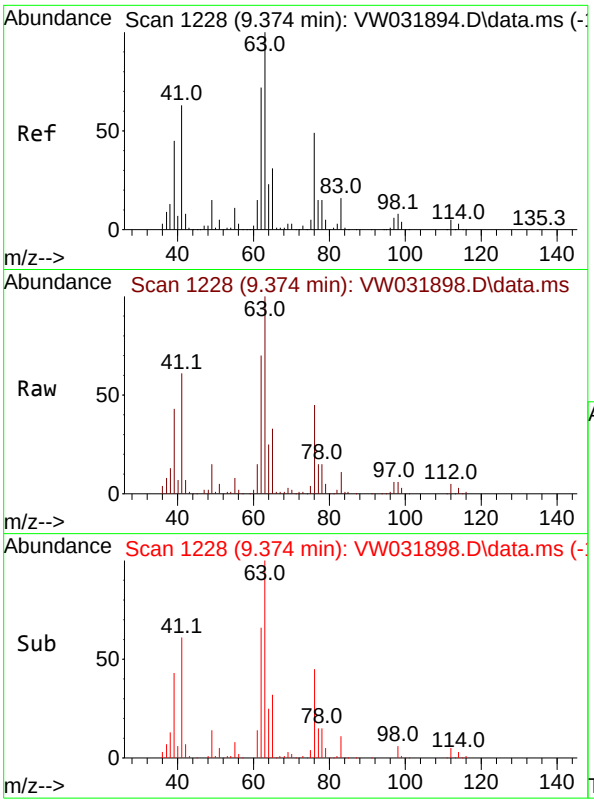


#44
Trichloroethene
Concen: 48.996 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:130 Resp: 150370

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.4



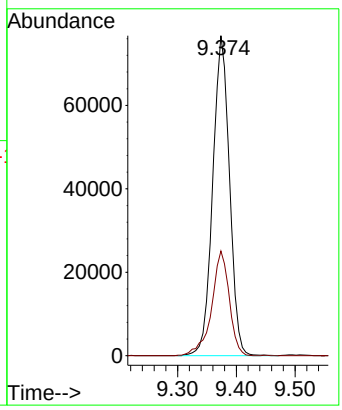


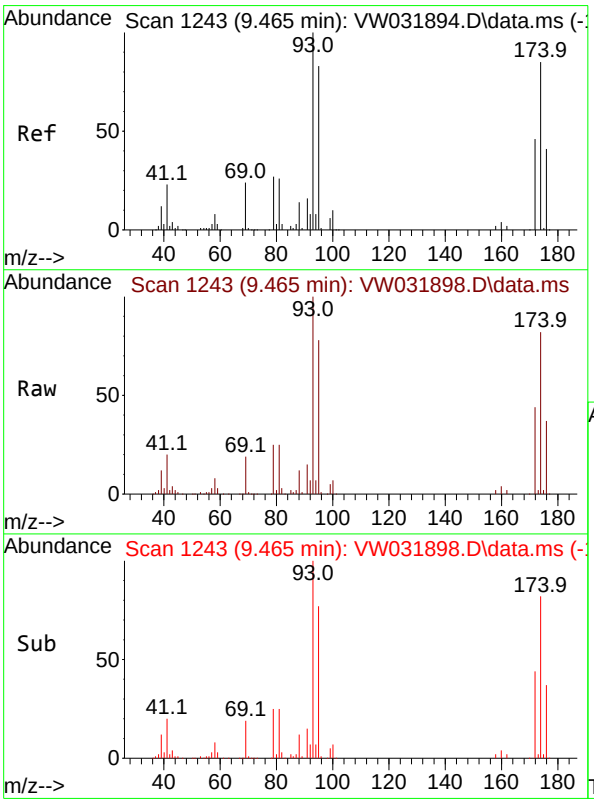
#45
1,2-Dichloropropane
Concen: 48.855 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 63 Resp: 151921

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.0	37.4

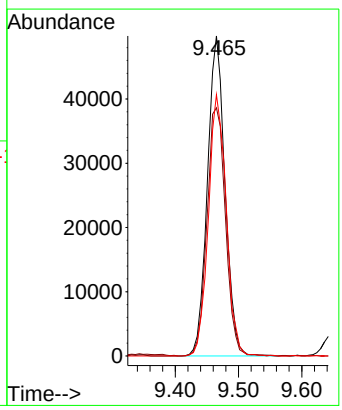


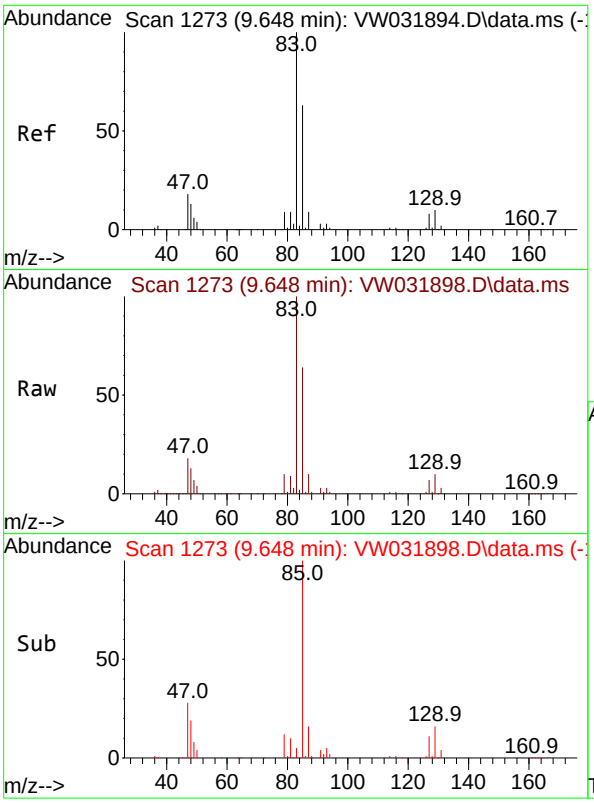


#46
Dibromomethane
Concen: 49.959 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 93 Resp: 96302

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.8	98.6
174	82.8	70.2	105.2



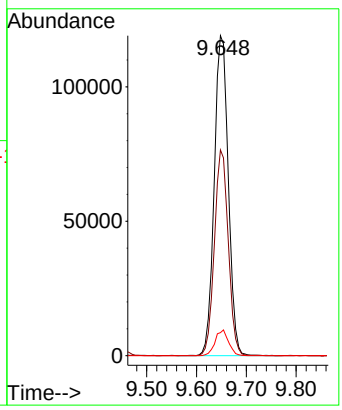


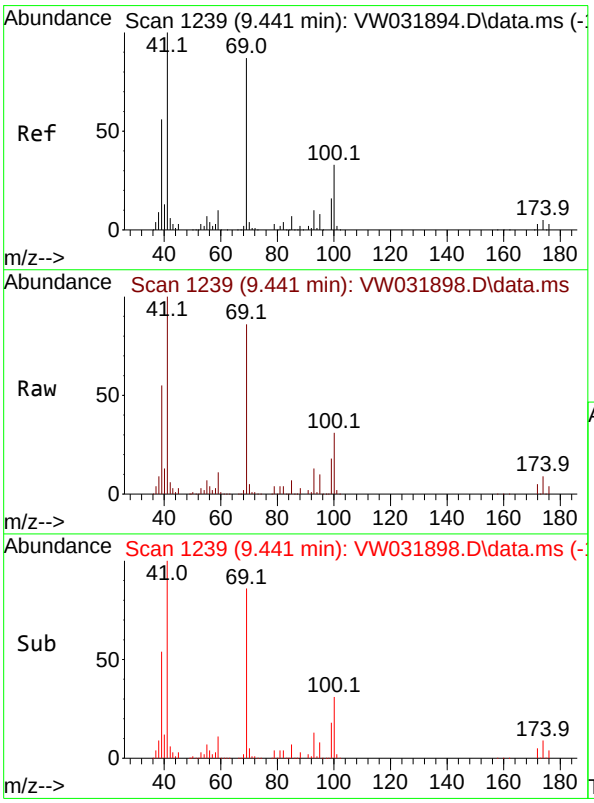
#47
Bromodichloromethane
Concen: 50.465 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 83 Resp: 233260

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	7.2	6.5	9.7

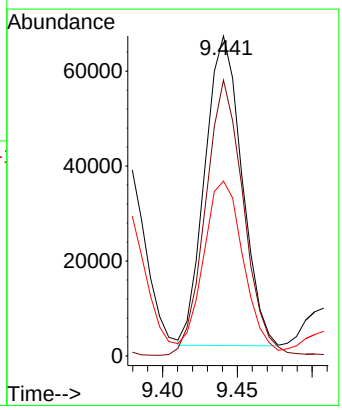


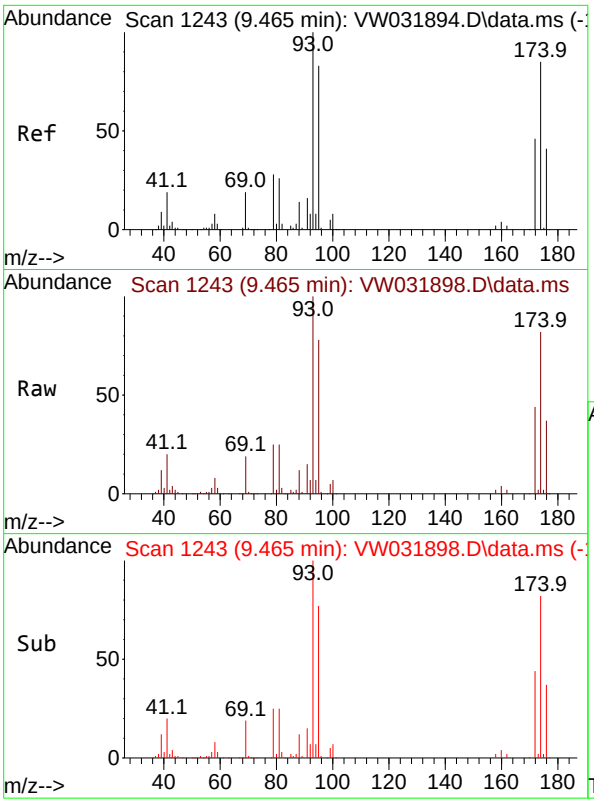


#48
Methyl methacrylate
Concen: 52.150 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 41 Resp: 111759

Ion	Ratio	Lower	Upper
41	100		
69	92.4	73.6	110.4
39	57.4	45.5	68.3



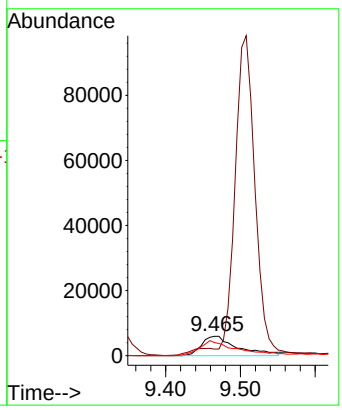


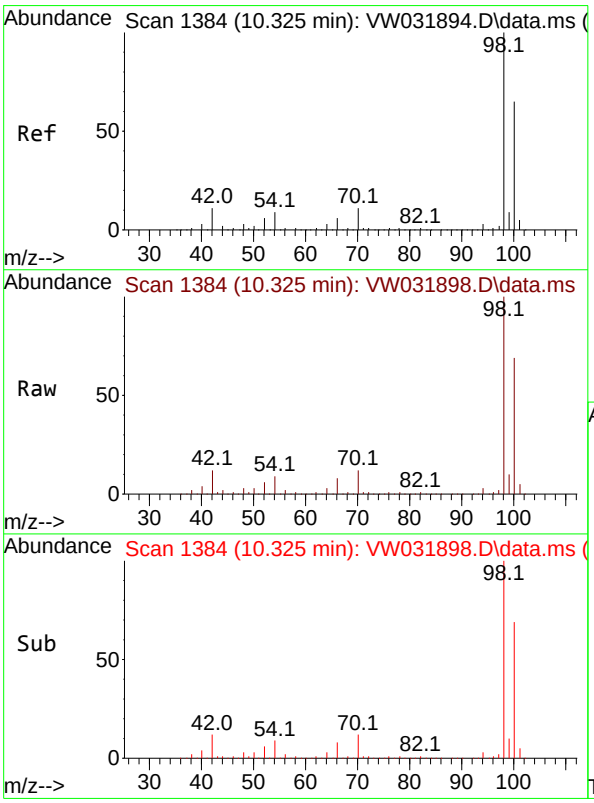
#49
1,4-Dioxane
Concen: 1044.021 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 88 Resp: 20081

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	80.8	58.2	87.2

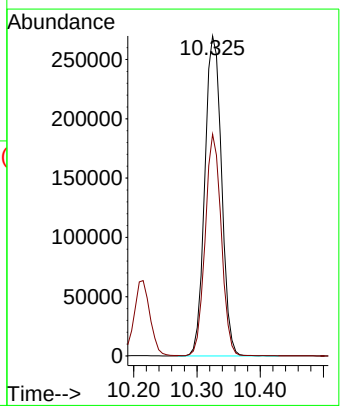


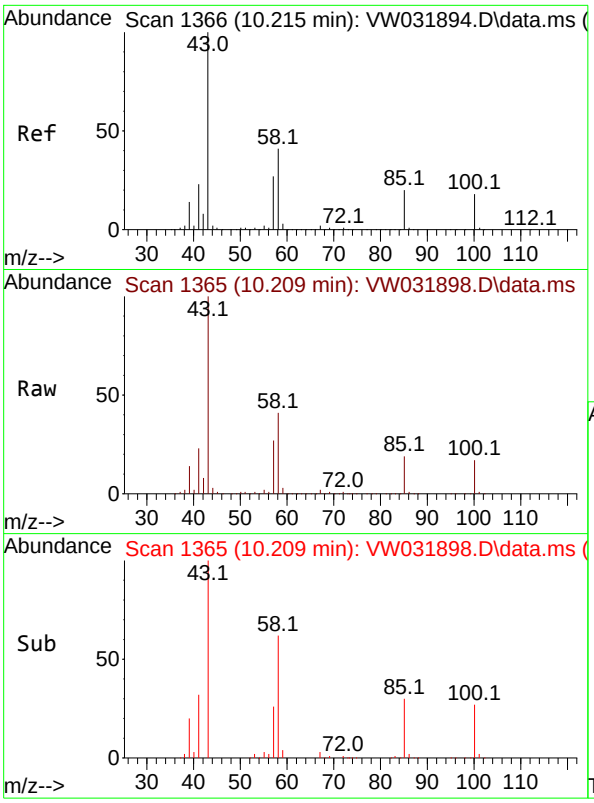


#50
Toluene-d8
Concen: 46.131 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 98 Resp: 495878

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.7	77.5



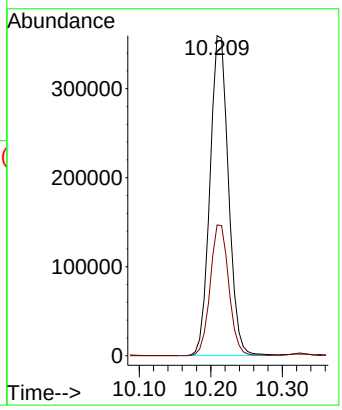


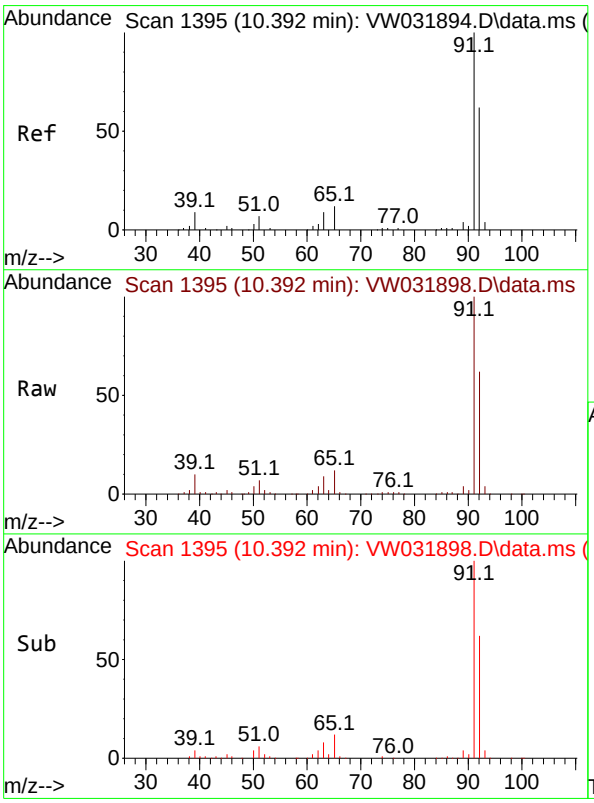
#51
4-Methyl-2-Pentanone
Concen: 262.159 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 646271

Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.8	49.2

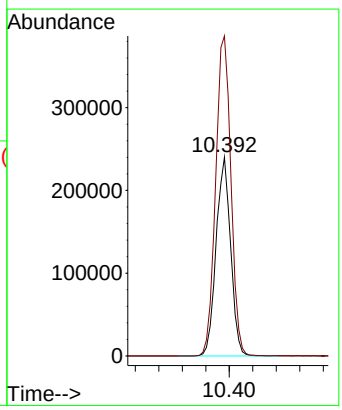


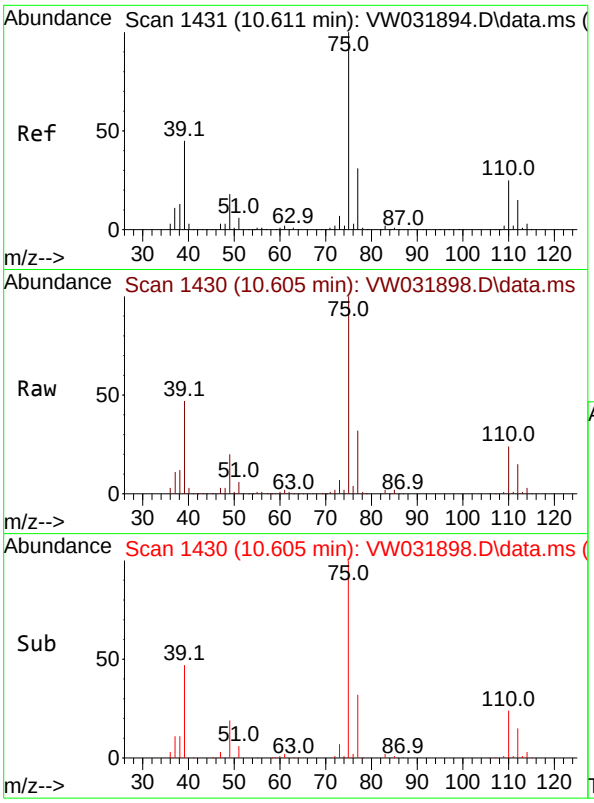


#52
Toluene
Concen: 49.520 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 92 Resp: 411023

Ion	Ratio	Lower	Upper
92	100		
91	169.2	133.7	200.5



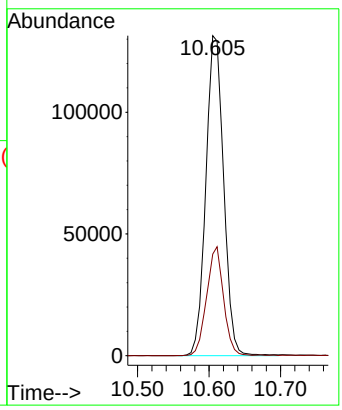


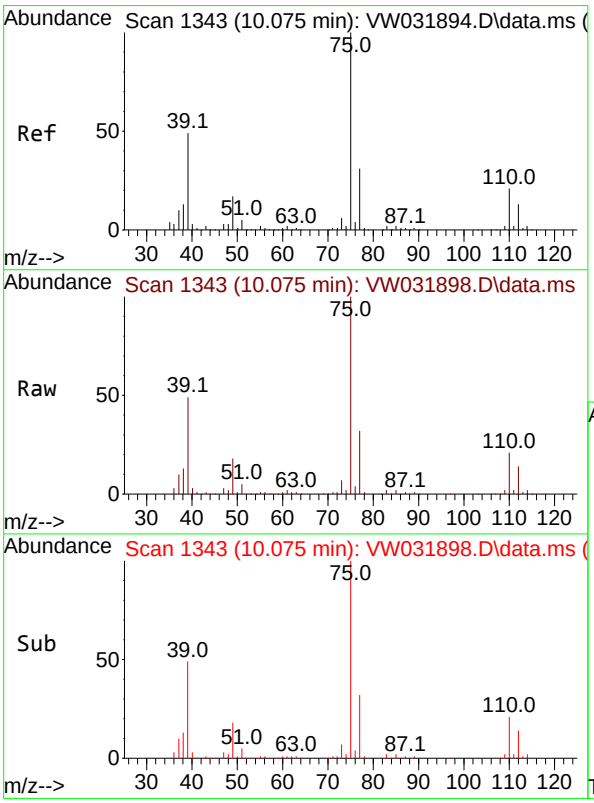
#53
t-1,3-Dichloropropene
Concen: 51.226 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 75 Resp: 227133

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8

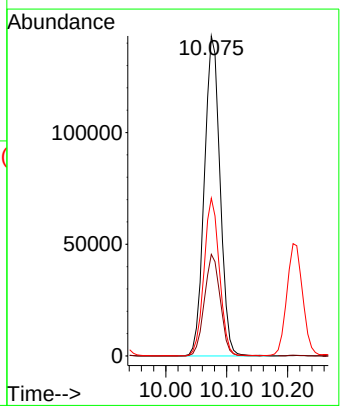


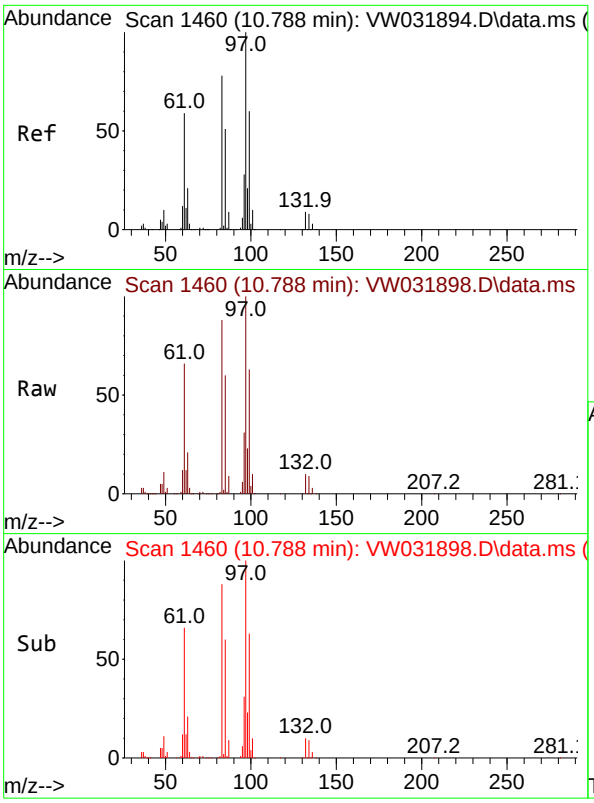


#54
cis-1,3-Dichloropropene
Concen: 50.715 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 256794

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	49.2	39.3	58.9



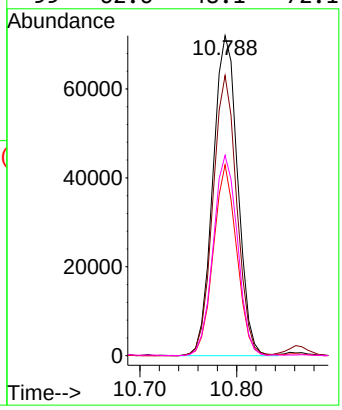


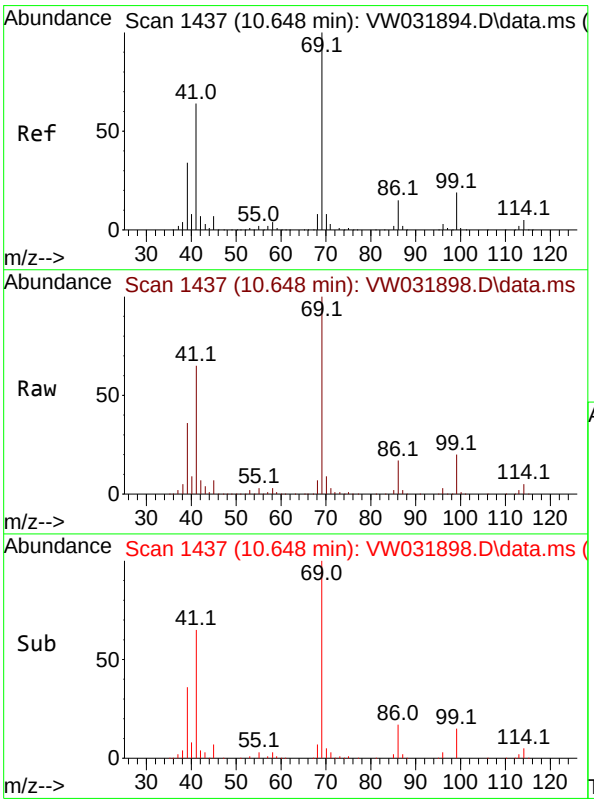
#55
1,1,2-Trichloroethane
Concen: 50.025 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 97 Resp: 128088

Ion	Ratio	Lower	Upper
97	100		
83	87.6	62.4	93.6
85	59.6	41.0	61.6
99	62.6	48.1	72.1

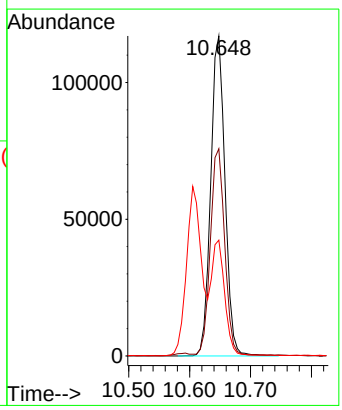


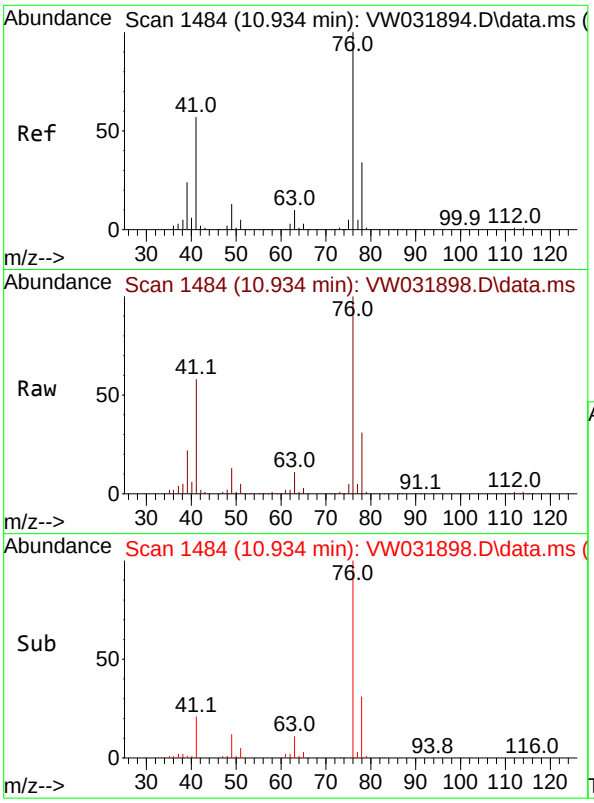


#56
Ethyl methacrylate
Concen: 52.748 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 69 Resp: 190747

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	32.7	26.6	40.0



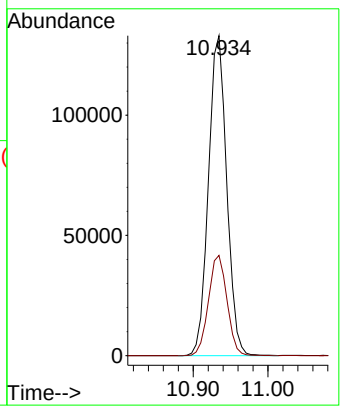


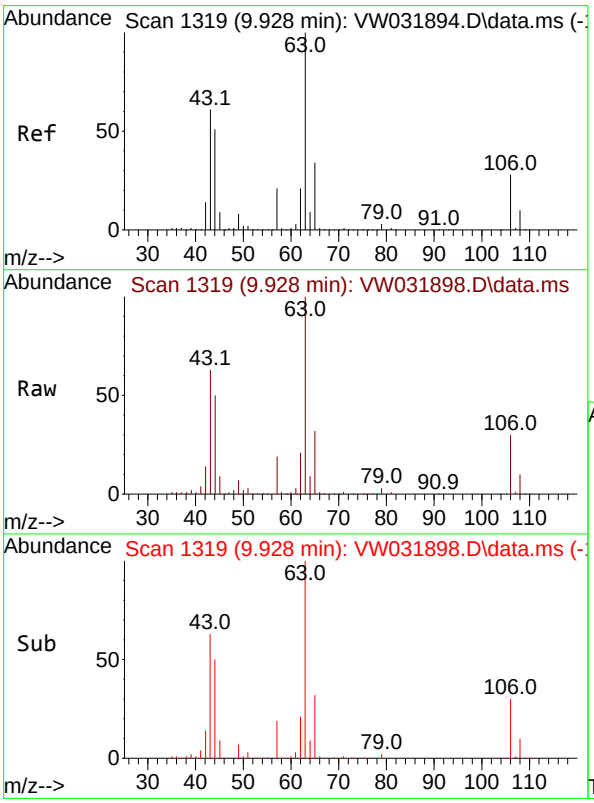
#57
1,3-Dichloropropane
Concen: 50.201 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 76 Resp: 226448

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

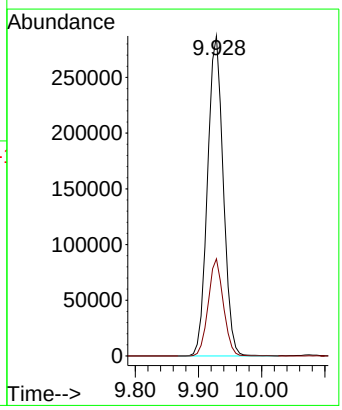


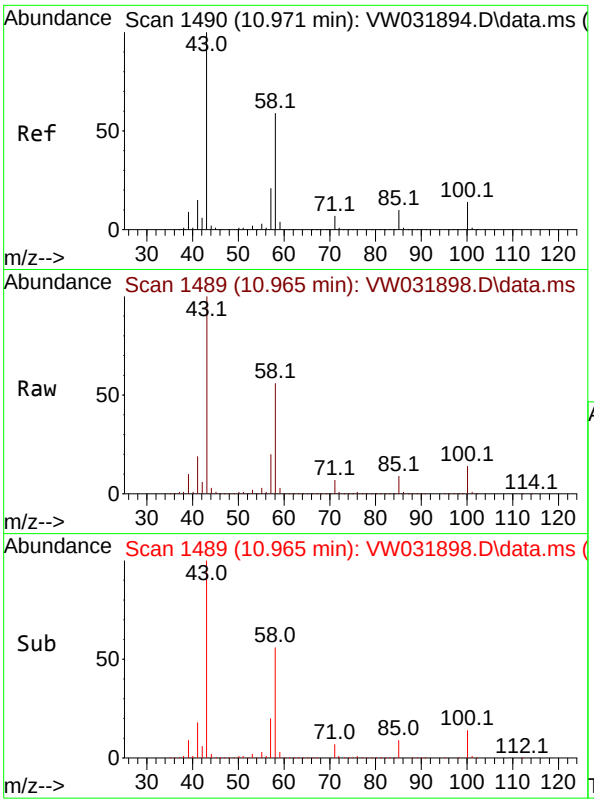


#58
2-Chloroethyl Vinyl ether
Concen: 266.689 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 63 Resp: 495366

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.7	34.1



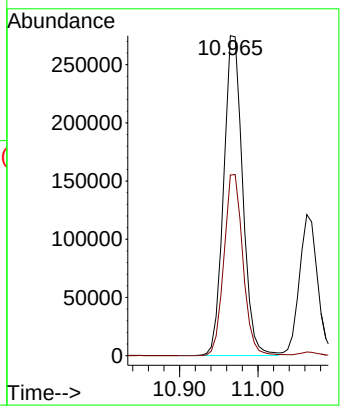


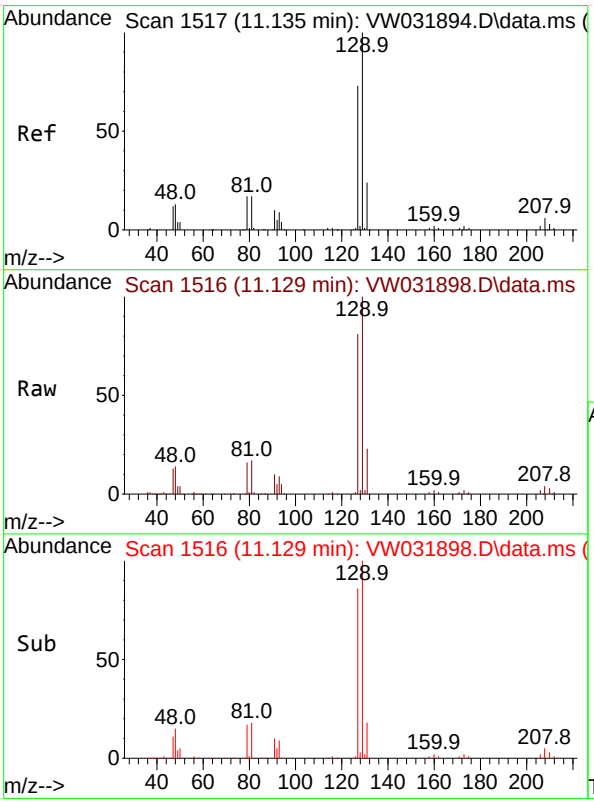
#59
2-Hexanone
Concen: 270.260 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 43 Resp: 463102

Ion	Ratio	Lower	Upper
43	100		
58	56.8	28.5	85.6

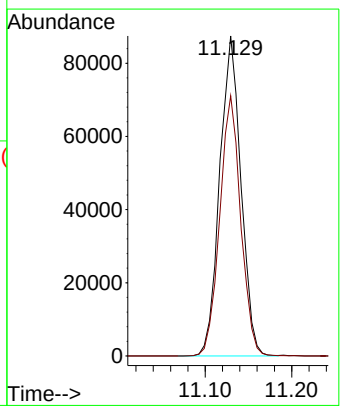


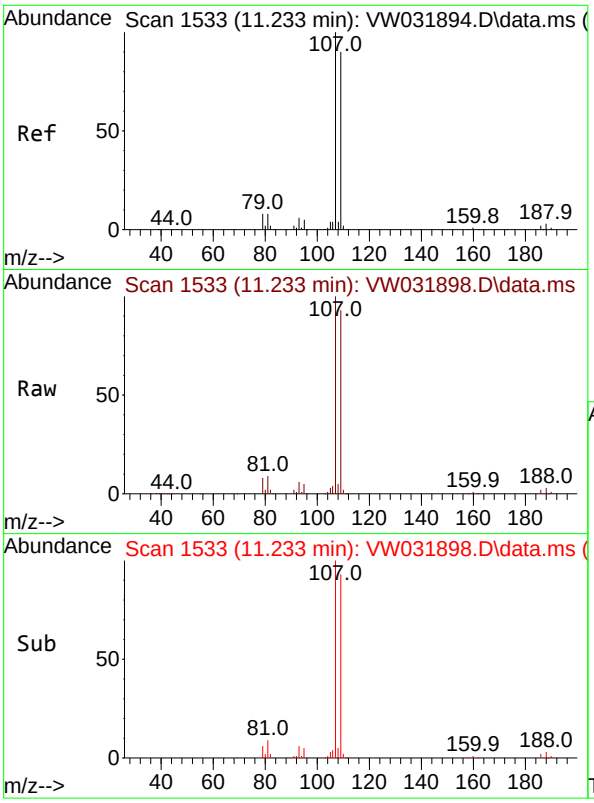


#60
Dibromochloromethane
Concen: 49.816 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:129 Resp: 148718

Ion	Ratio	Lower	Upper
129	100		
127	80.3	39.6	118.8



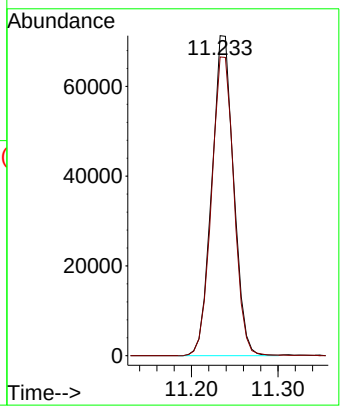


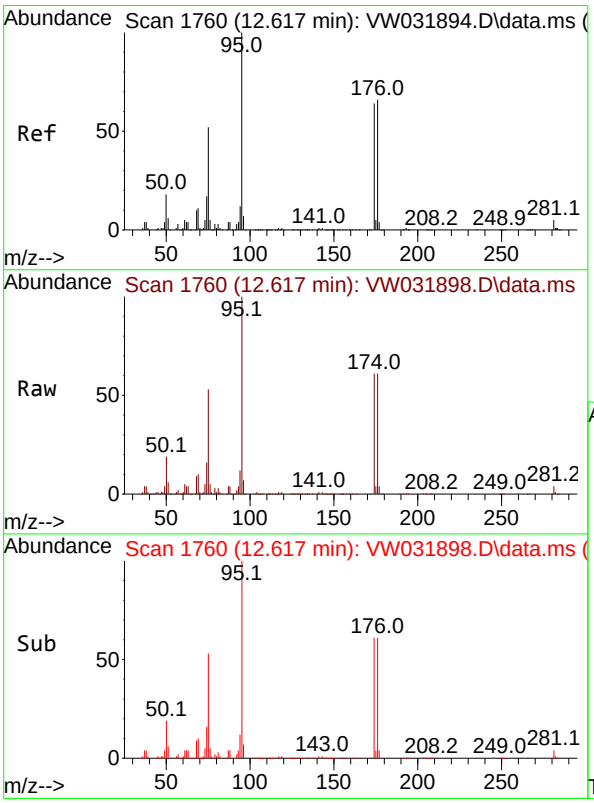
#61
1,2-Dibromoethane
Concen: 49.410 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:107 Resp: 125012

Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.2	111.4

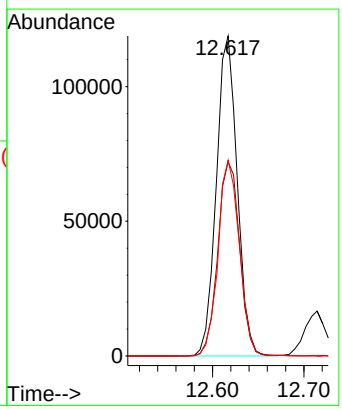


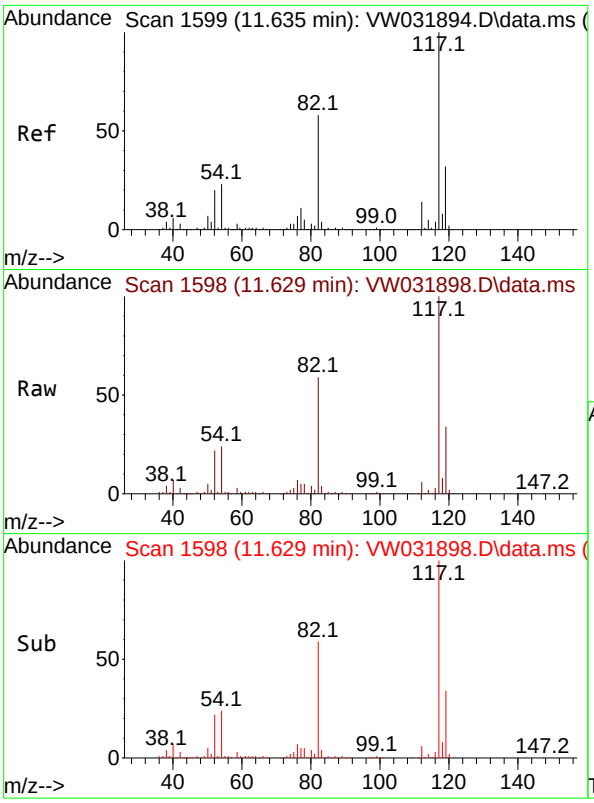


#62
4-Bromofluorobenzene
Concen: 45.728 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 95 Resp: 188746

Ion	Ratio	Lower	Upper
95	100		
174	63.5	0.0	129.8
176	62.2	0.0	130.4



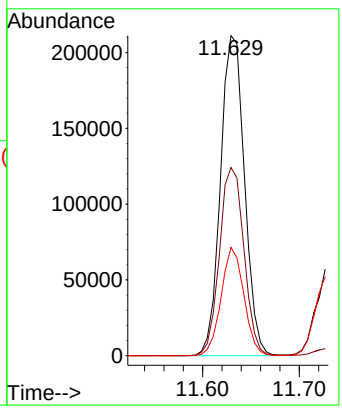


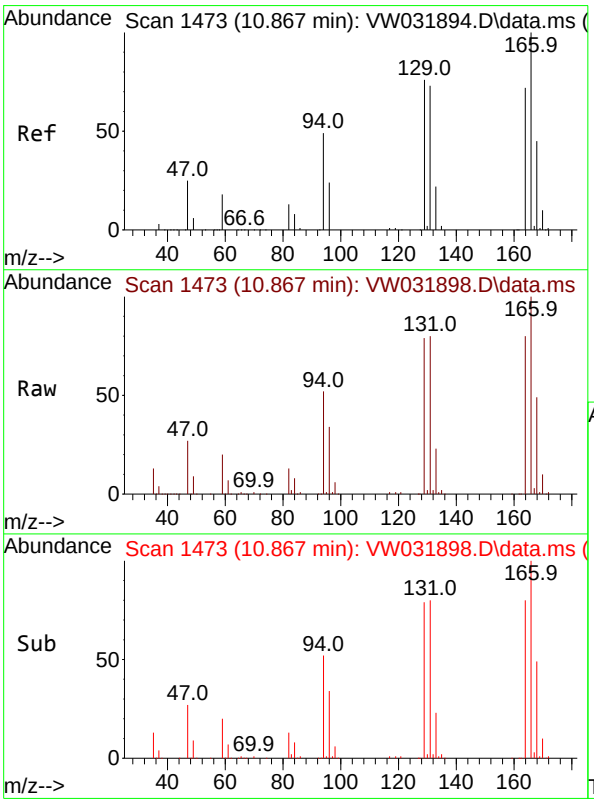
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:117 Resp: 364156

Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.5	69.7
119	33.9	25.8	38.6

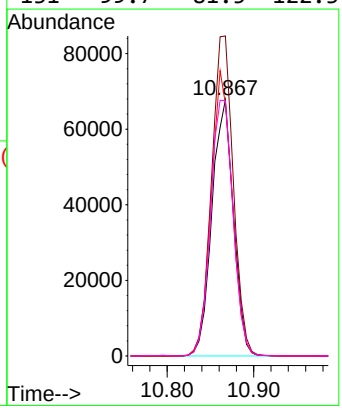


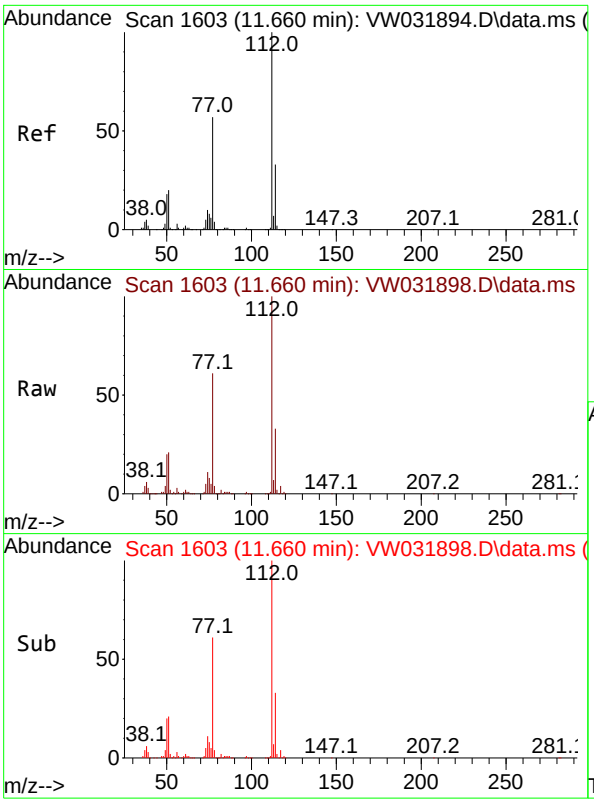


#64
Tetrachloroethene
Concen: 48.658 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:164 Resp: 116825

Ion	Ratio	Lower	Upper
164	100		
166	124.9	111.5	167.3
129	98.4	85.1	127.7
131	99.7	81.5	122.3



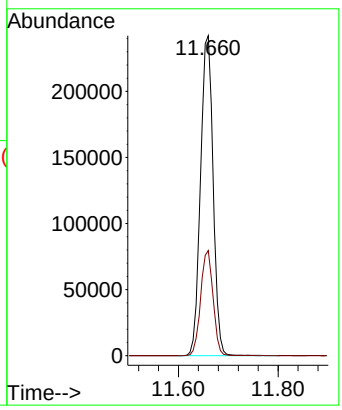


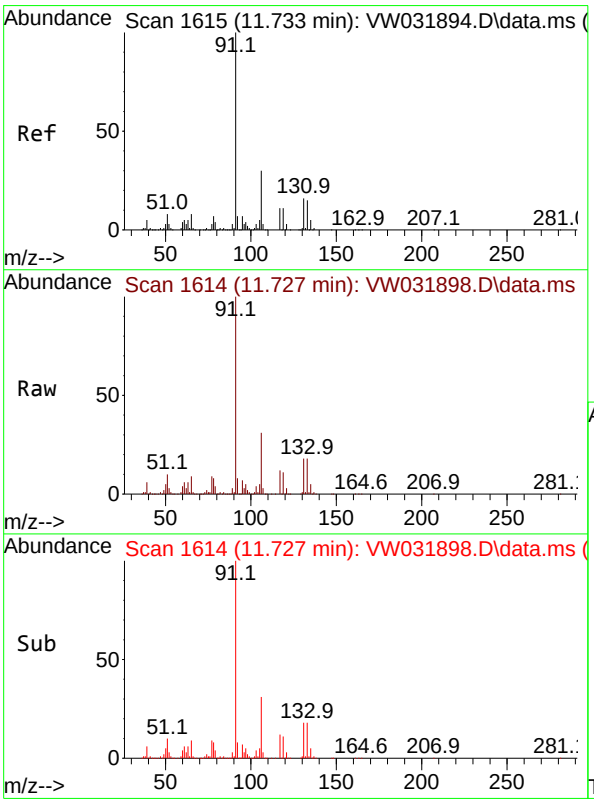
#65
Chlorobenzene
Concen: 47.600 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:112 Resp: 424231

Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.2	39.2

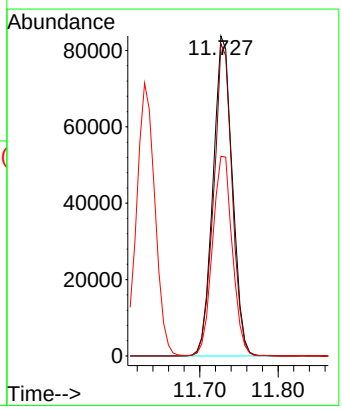


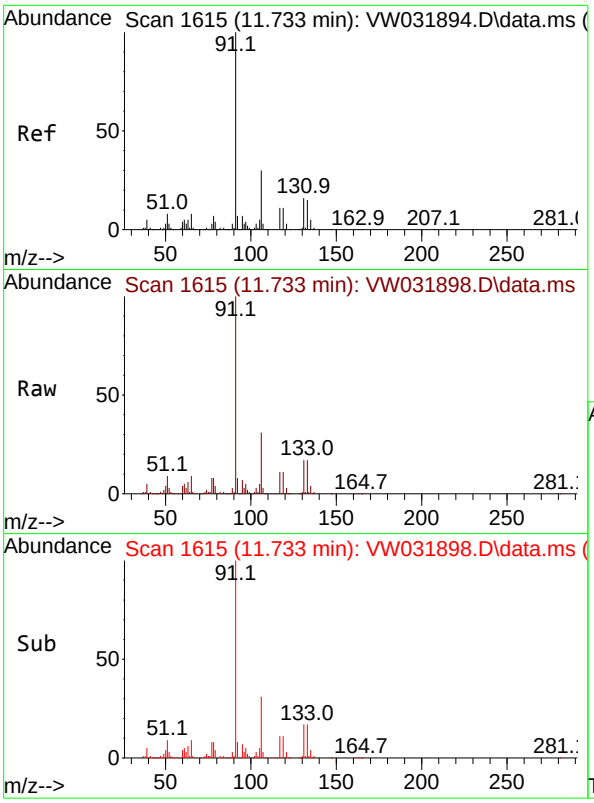


#66
1,1,1,2-Tetrachloroethane
Concen: 52.026 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:131 Resp: 143748

Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.1	144.4
119	64.1	33.7	101.1



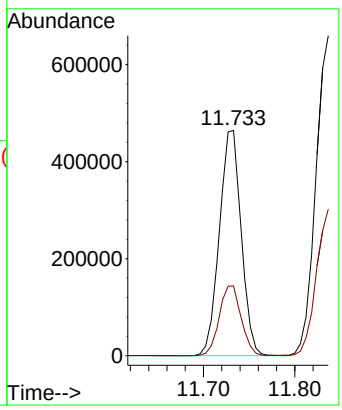


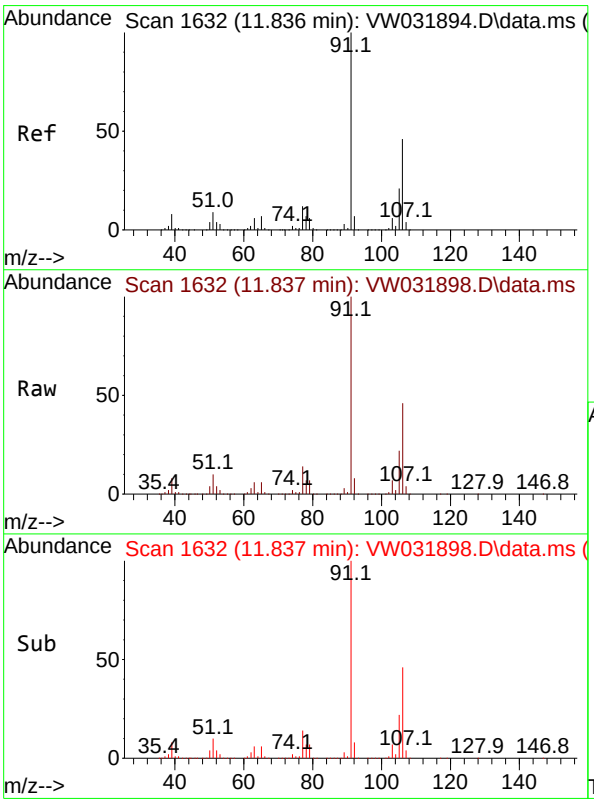
#67
Ethyl Benzene
Concen: 49.339 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 91 Resp: 772618

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6

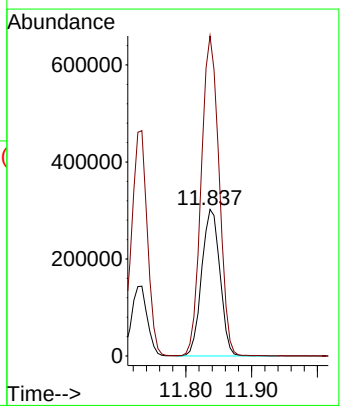


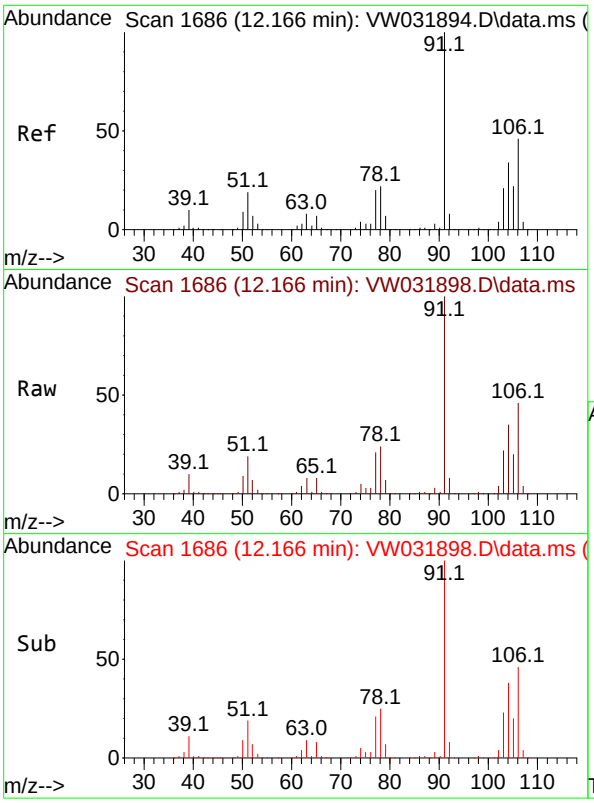


#68
m/p-Xylenes
Concen: 98.862 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:106 Resp: 582795

Ion	Ratio	Lower	Upper
106	100		
91	213.4	167.7	251.5



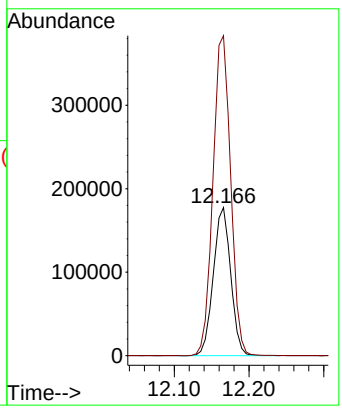


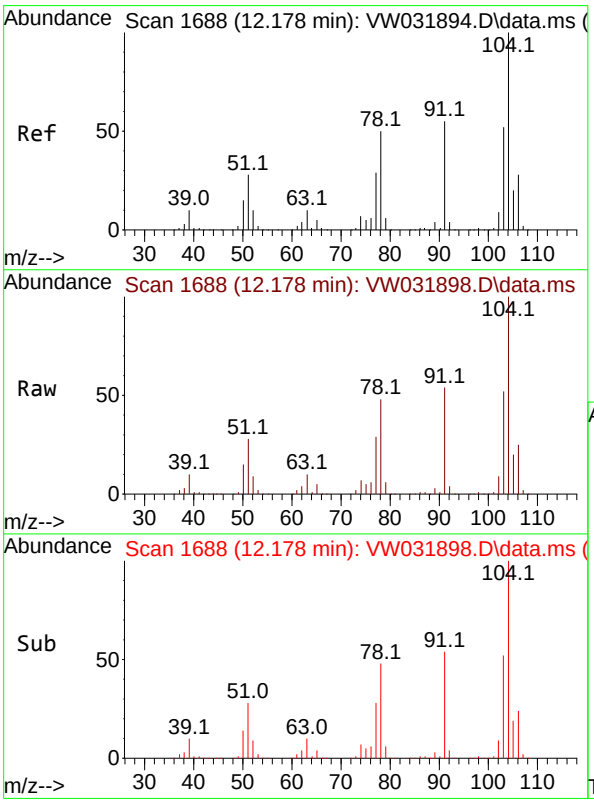
#69
o-Xylene
Concen: 51.412 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:106 Resp: 286822

Ion	Ratio	Lower	Upper
106	100		
91	219.7	108.2	324.6

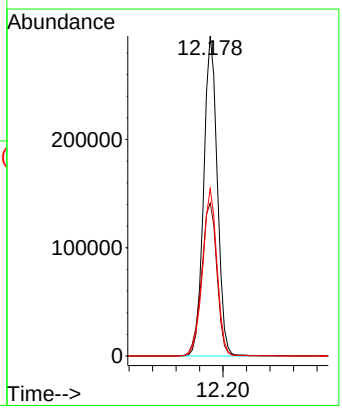


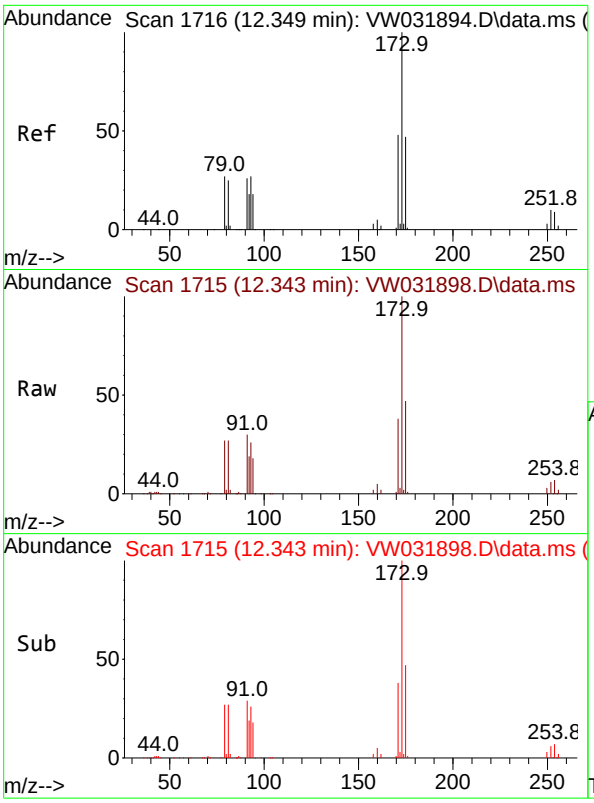


#70
Styrene
Concen: 50.260 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:104 Resp: 477401

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.9	42.8	64.2



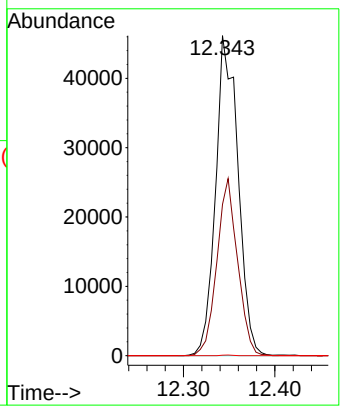


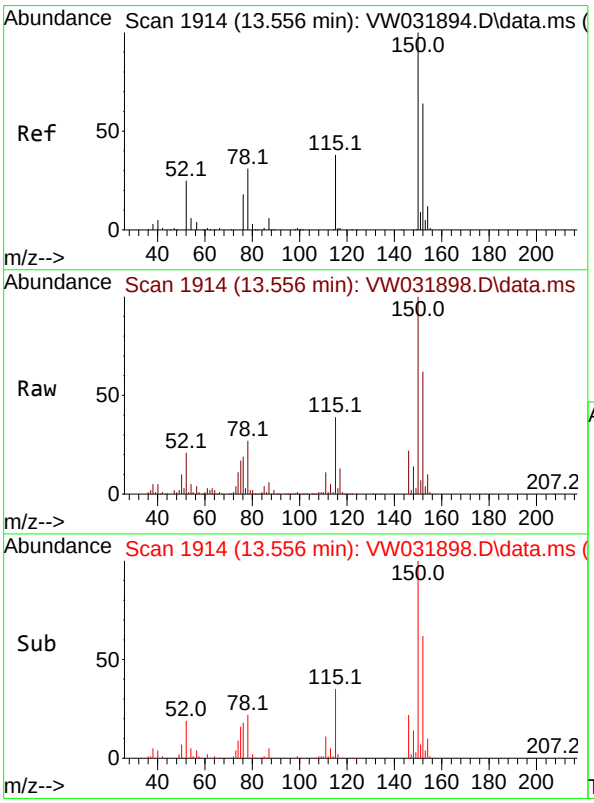
#71
Bromoform
Concen: 51.994 ug/l
RT: 12.343 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:173 Resp: 78568

Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.5	73.5
254	0.1	0.2	0.2#

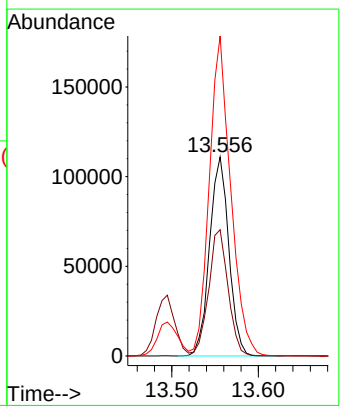


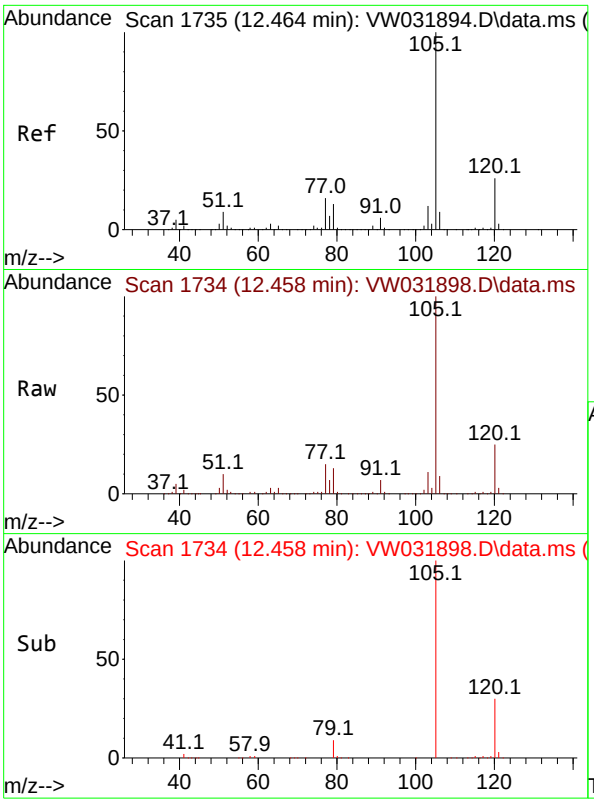


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:152 Resp: 171771

Ion	Ratio	Lower	Upper
152	100		
115	64.1	33.4	100.1
150	177.5	0.0	352.2



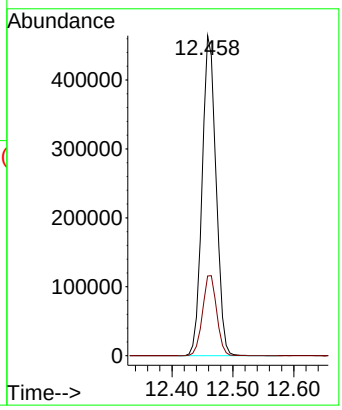


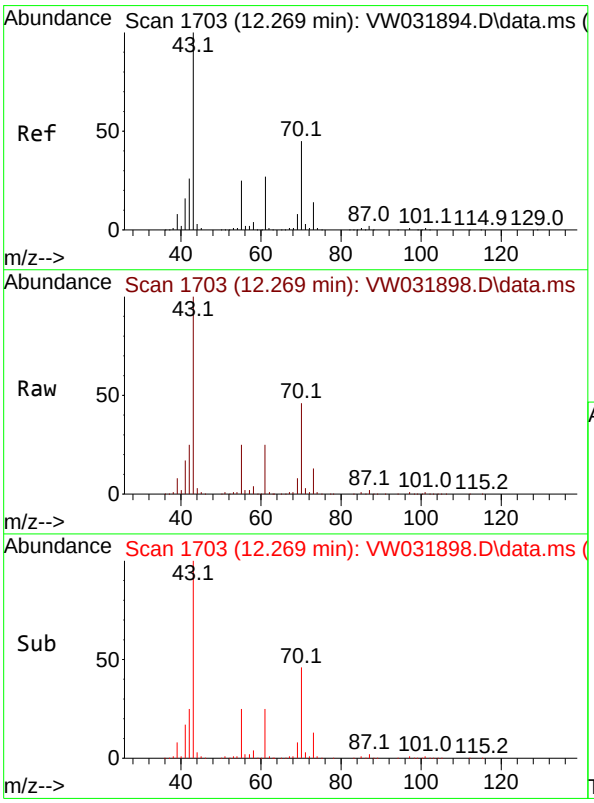
#73
Isopropylbenzene
Concen: 49.484 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:105 Resp: 737512

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

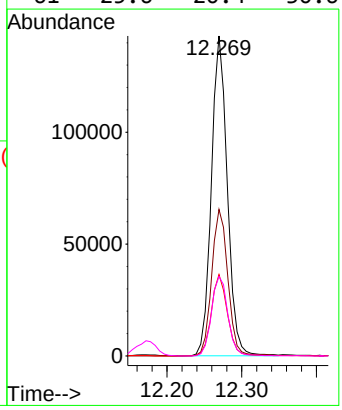


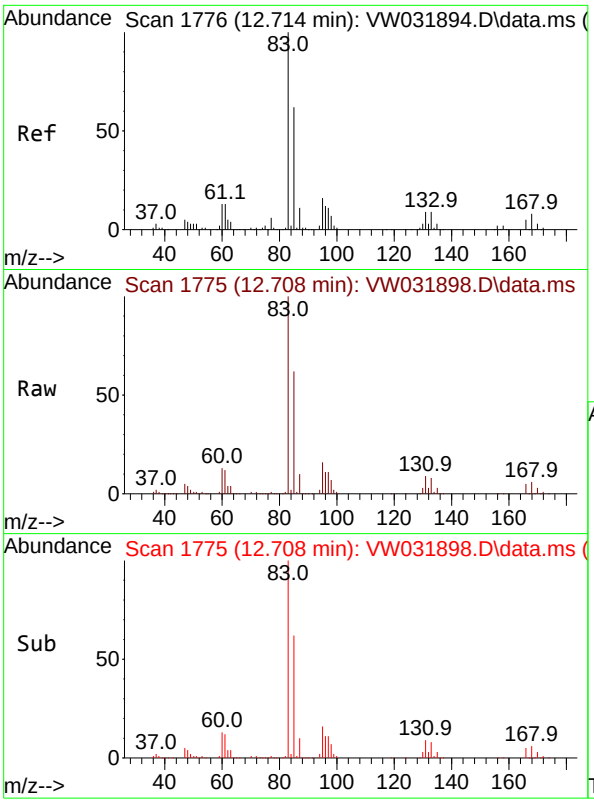


#74
N-amyl acetate
Concen: 52.553 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 43 Resp: 211747

Ion	Ratio	Lower	Upper
43	100		
70	46.8	36.6	55.0
55	25.8	20.7	31.1
61	25.6	20.4	30.6



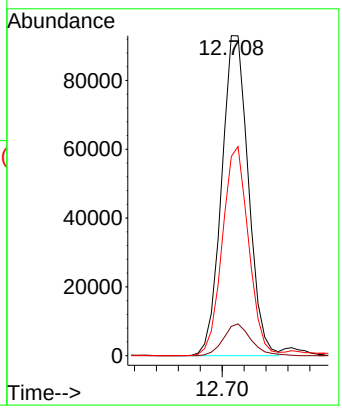


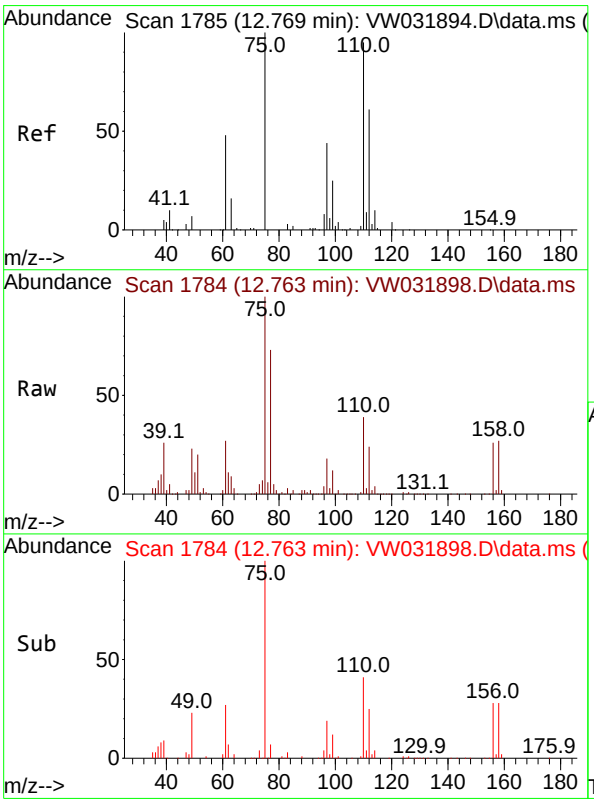
#75
1,1,2,2-Tetrachloroethane
Concen: 49.778 ug/l
RT: 12.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 83 Resp: 157475

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.1	31.8	95.3

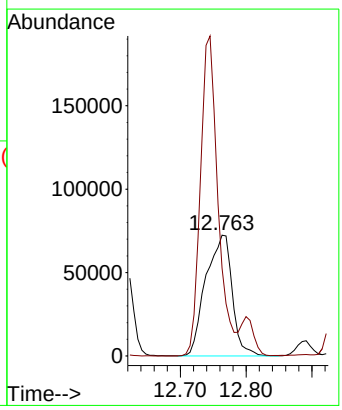


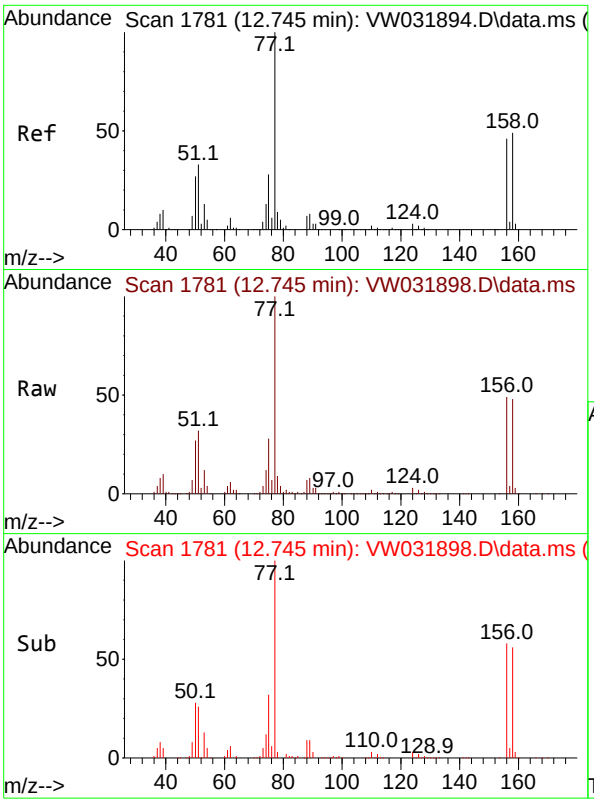


#76
1,2,3-Trichloropropane
Concen: 85.149 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 201935

Ion	Ratio	Lower	Upper
75	100		
77	175.6	0.0	0.0#



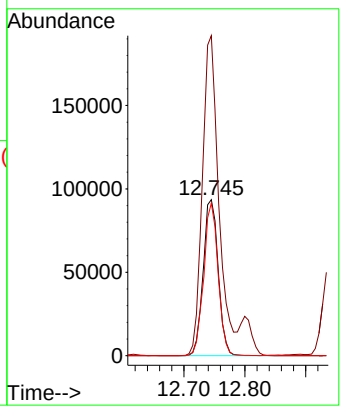


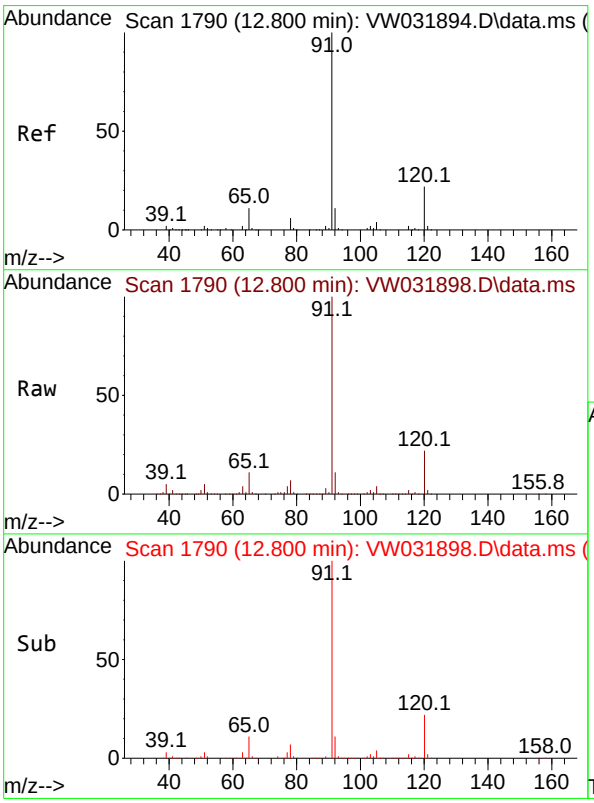
#77
Bromobenzene
Concen: 49.814 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:156 Resp: 160635

Ion	Ratio	Lower	Upper
156	100		
77	220.8	115.3	345.8
158	93.5	50.1	150.3

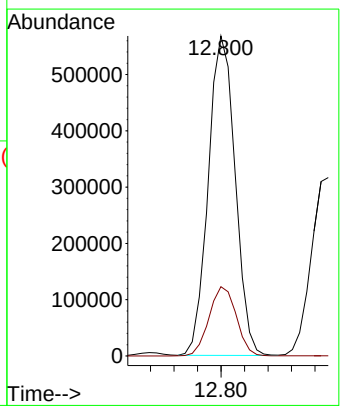


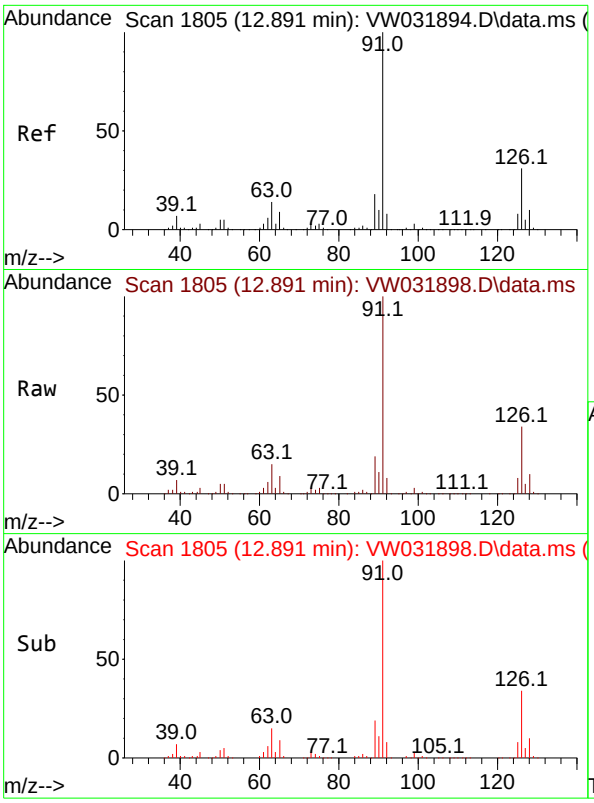


#78
n-propylbenzene
Concen: 49.260 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 91 Resp: 901700

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.6



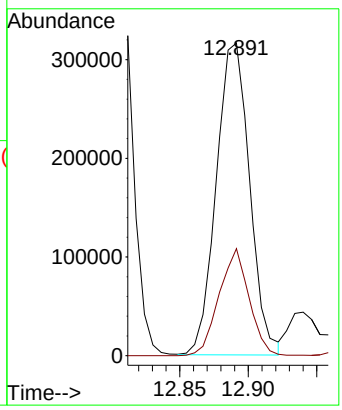


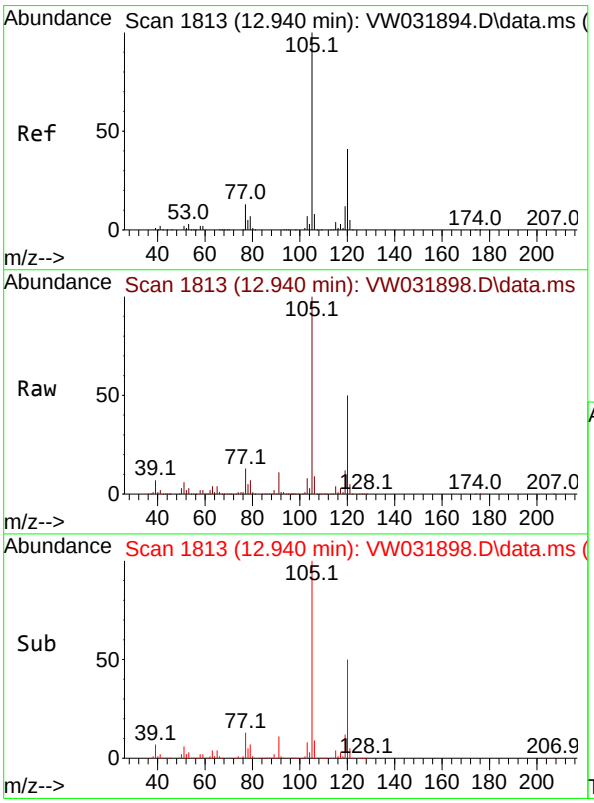
#79
2-Chlorotoluene
Concen: 49.018 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 91 Resp: 535719

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8

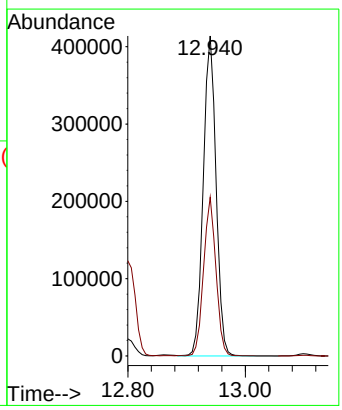


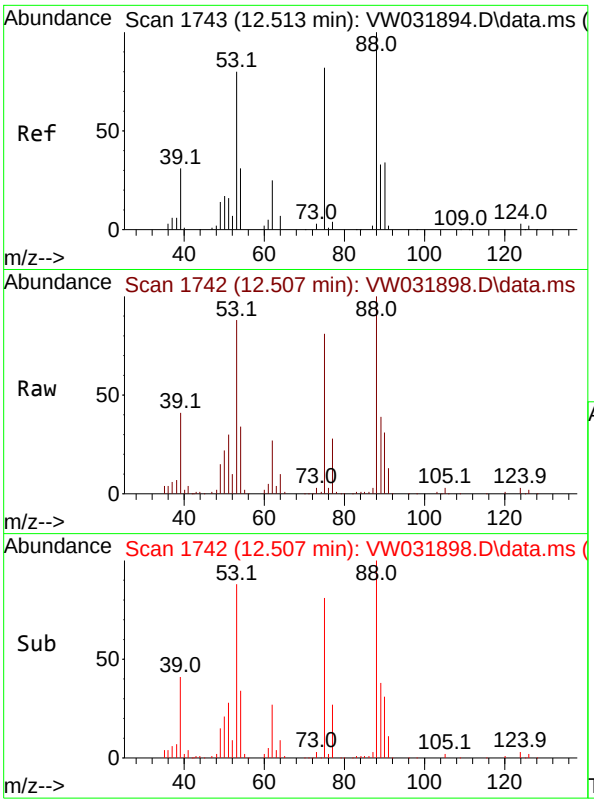


#80
1,3,5-Trimethylbenzene
Concen: 50.139 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:105 Resp: 626726

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.5	70.5



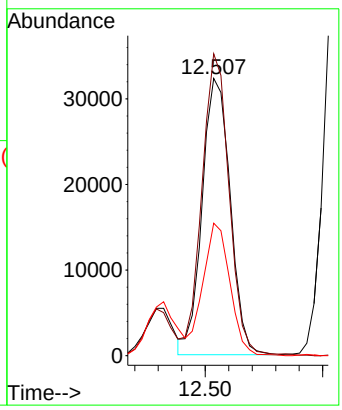


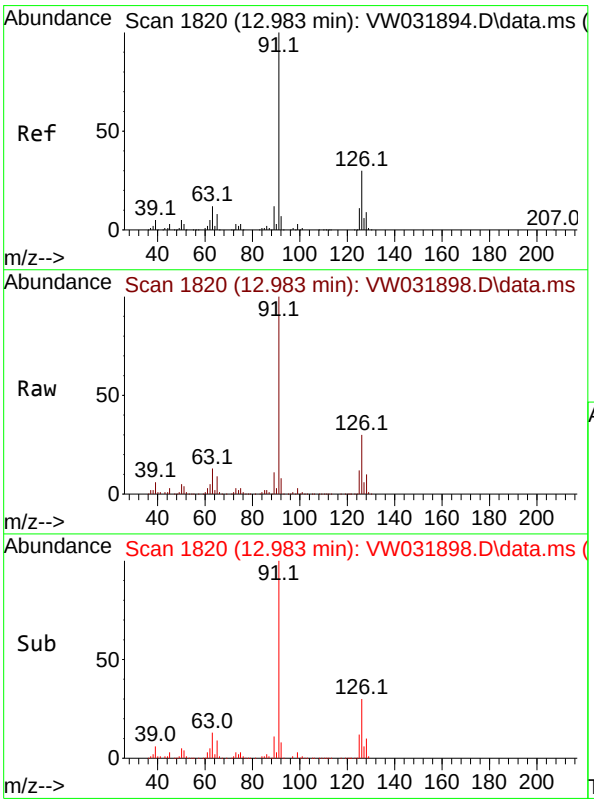
#81
trans-1,4-Dichloro-2-butene
Concen: 52.109 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 75 Resp: 53527

Ion	Ratio	Lower	Upper
75	100		
53	106.6	83.7	125.5
89	46.4	39.0	58.6

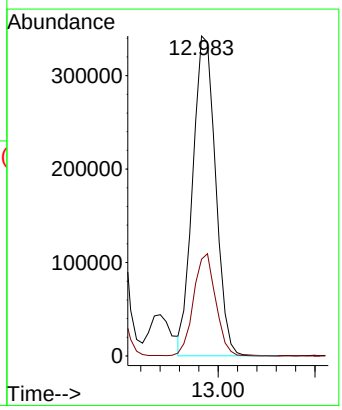


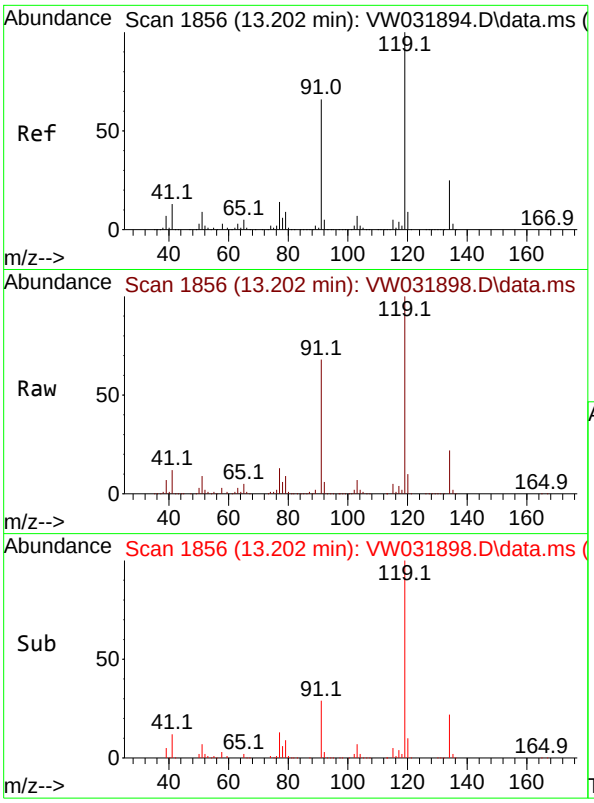


#82
4-Chlorotoluene
Concen: 48.892 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 91 Resp: 560575

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.3



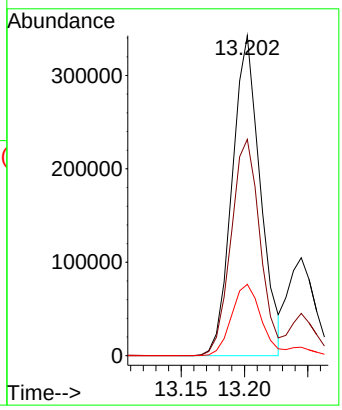


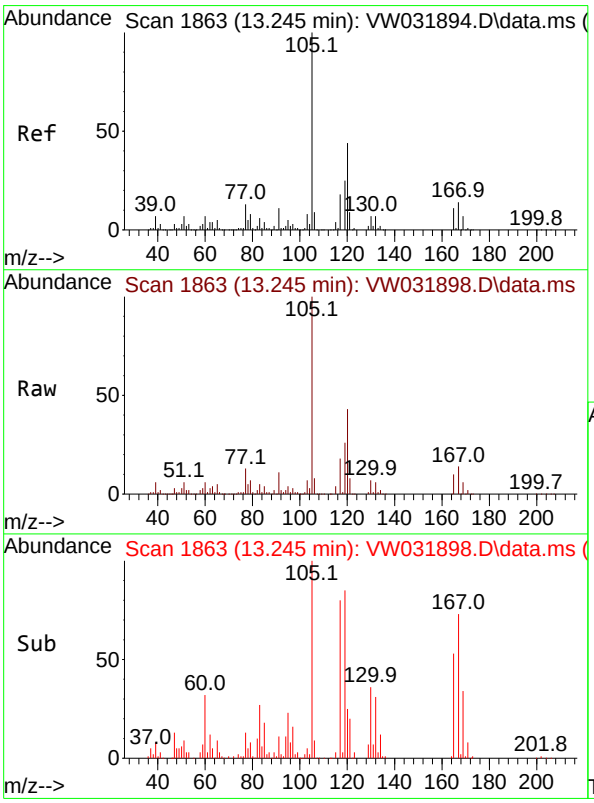
#83
tert-Butylbenzene
Concen: 49.850 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:119 Resp: 530770

Ion	Ratio	Lower	Upper
119	100		
91	69.3	35.5	106.5
134	23.6	12.4	37.0

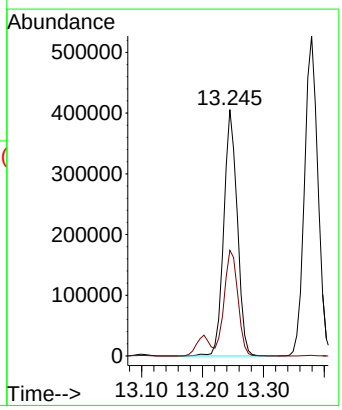


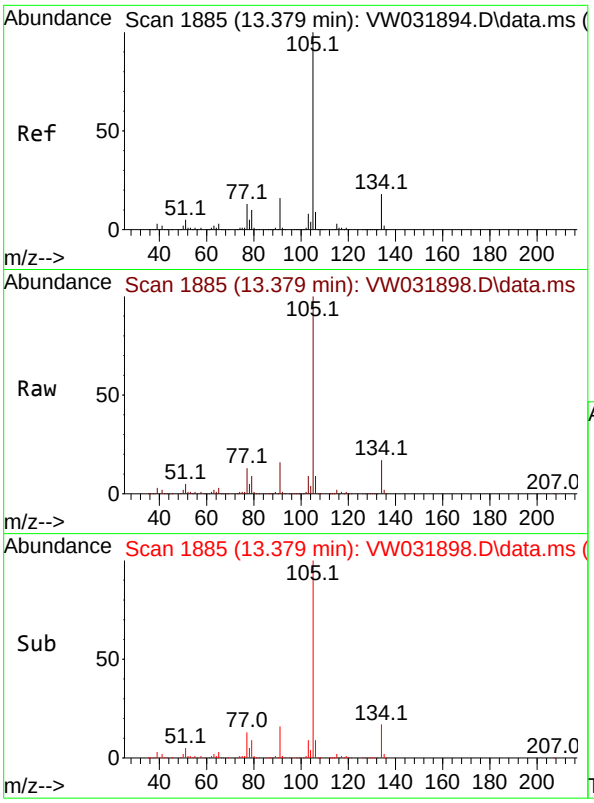


#84
1,2,4-Trimethylbenzene
Concen: 49.148 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:105 Resp: 621802

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.3	63.9



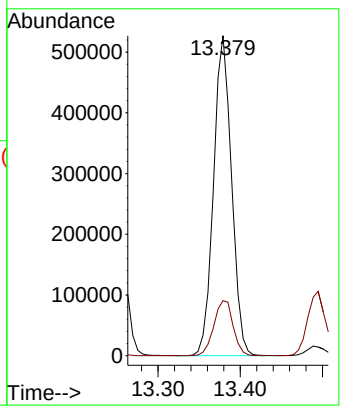


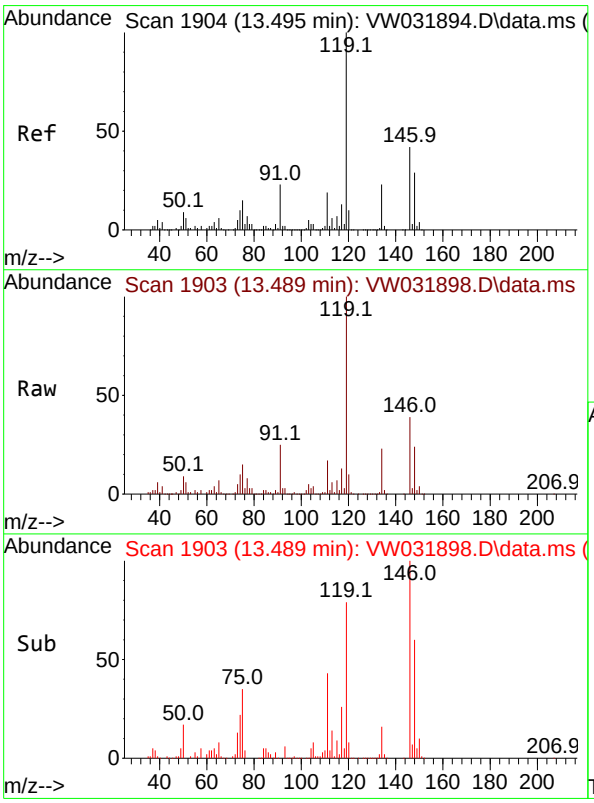
#85
sec-Butylbenzene
Concen: 50.210 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:105 Resp: 802831

Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.2	27.6

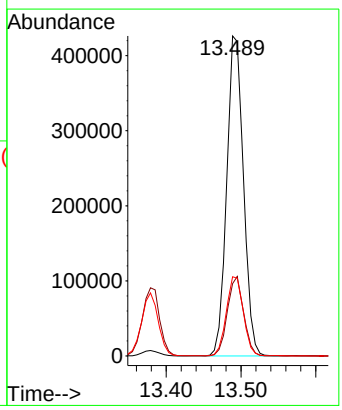


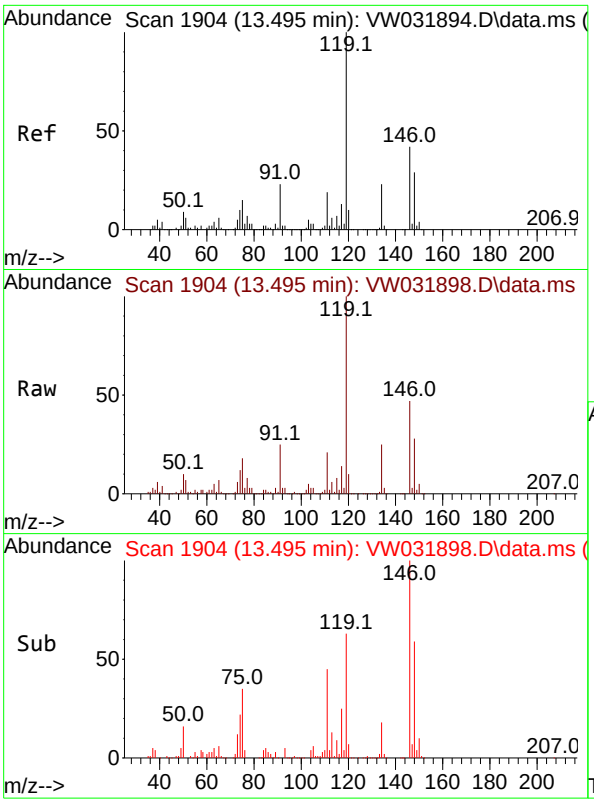


#86
p-Isopropyltoluene
Concen: 50.261 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:119 Resp: 664260

Ion	Ratio	Lower	Upper
119	100		
134	24.0	13.0	39.0
91	24.9	12.7	38.1



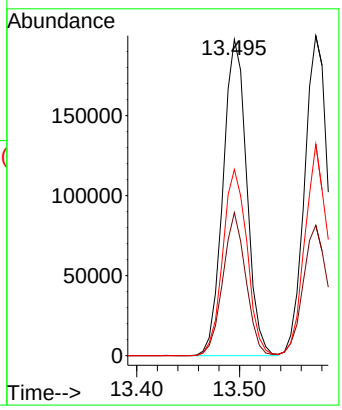


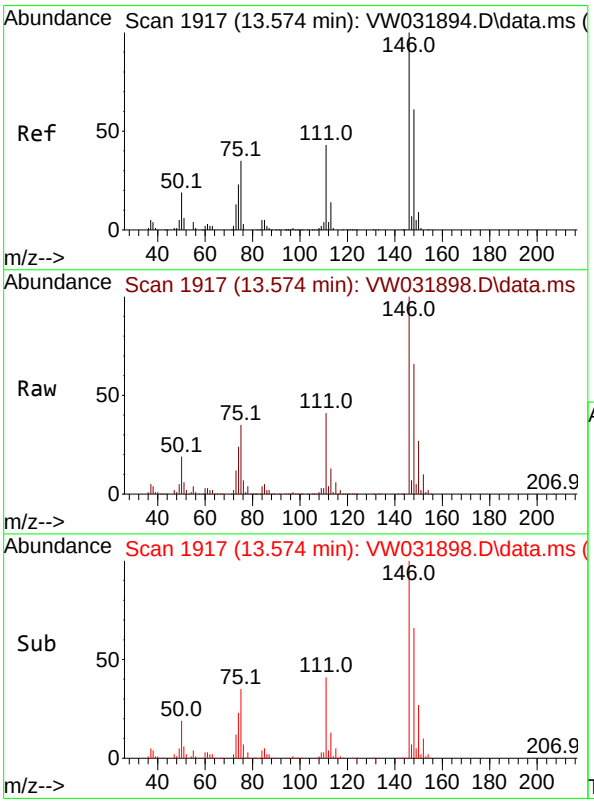
#87
1,3-Dichlorobenzene
Concen: 47.106 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:146 Resp: 316200

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	60.5	31.9	95.5

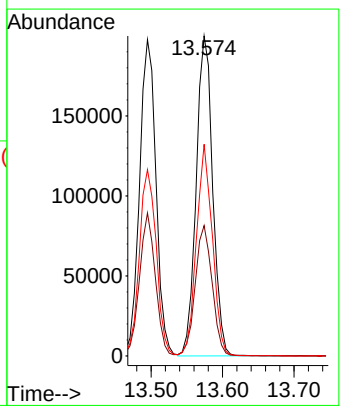


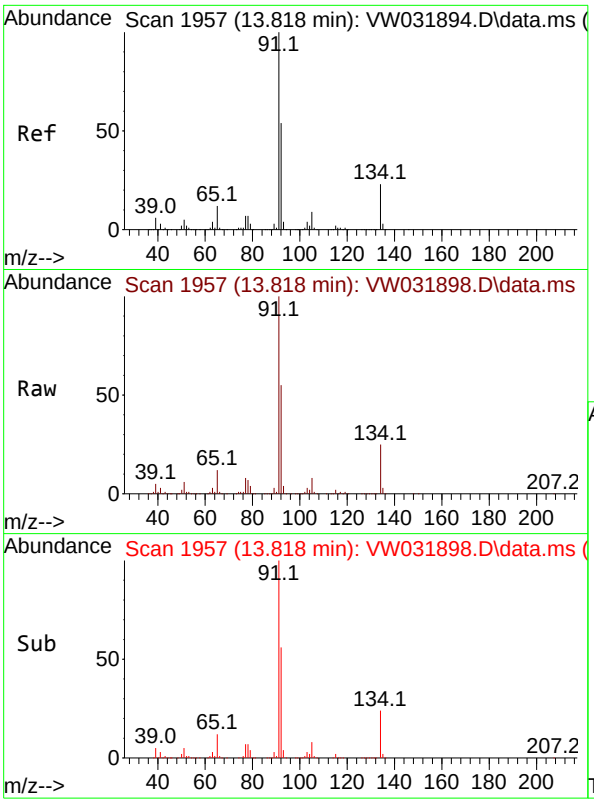


#88
1,4-Dichlorobenzene
Concen: 48.681 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:146 Resp: 320113

Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.1	66.3
148	63.8	31.8	95.3



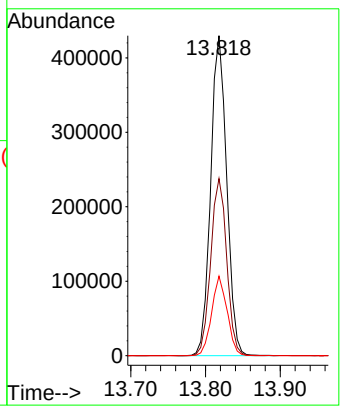


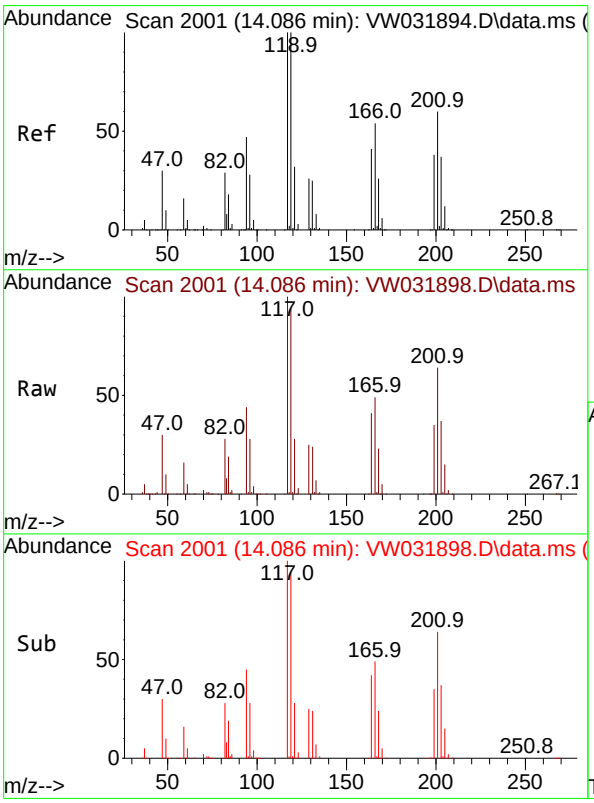
#89
n-Butylbenzene
Concen: 49.250 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion: 91 Resp: 638513

Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.5
134	24.0	11.6	34.7

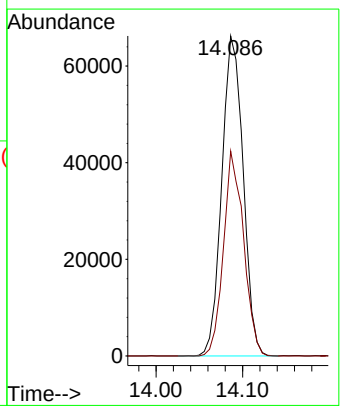


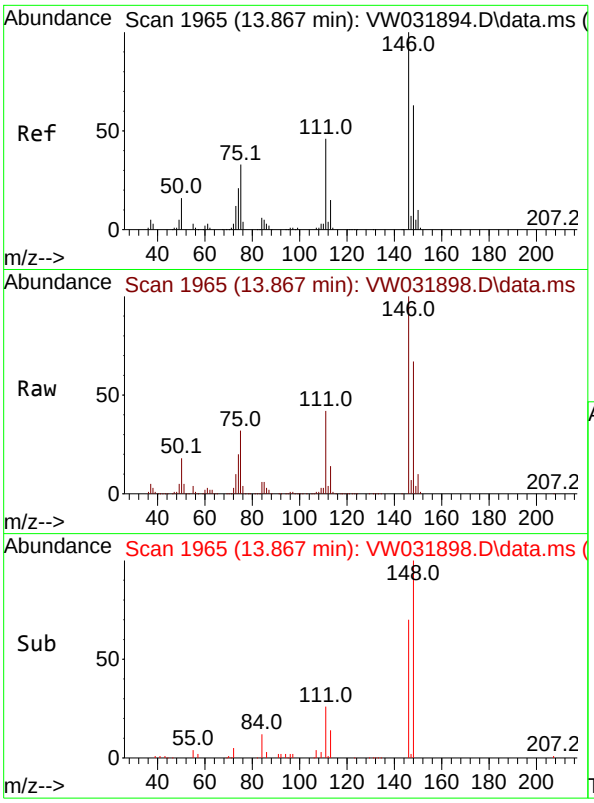


#90
Hexachloroethane
Concen: 49.643 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:117 Resp: 113450

Ion	Ratio	Lower	Upper
117	100		
201	60.2	28.4	85.2



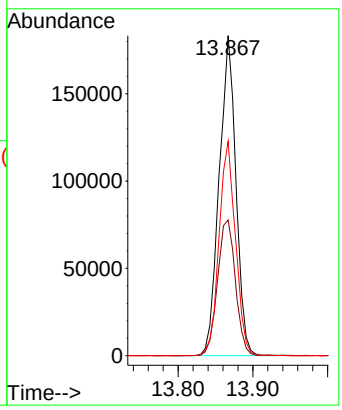


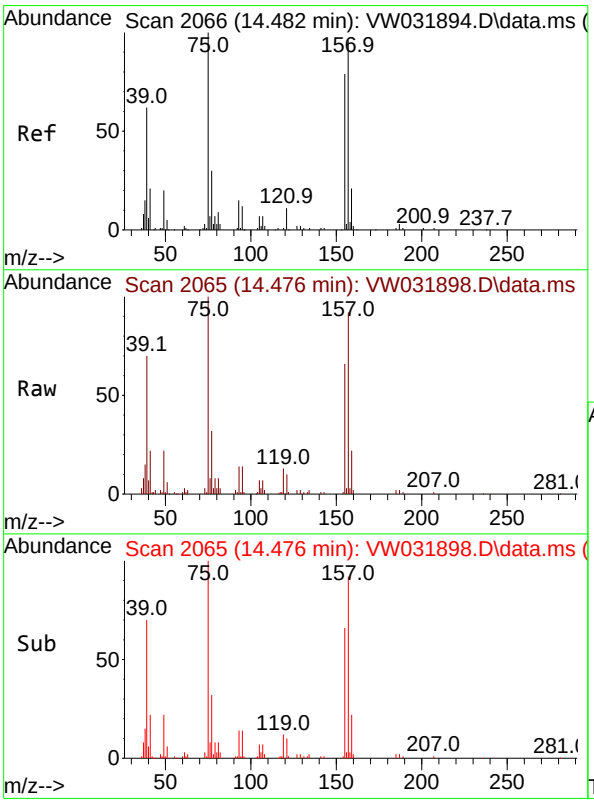
#91
1,2-Dichlorobenzene
Concen: 48.082 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:146 Resp: 286039

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.6	71.0
148	65.9	32.4	97.2

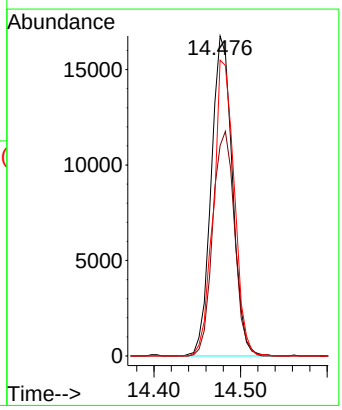


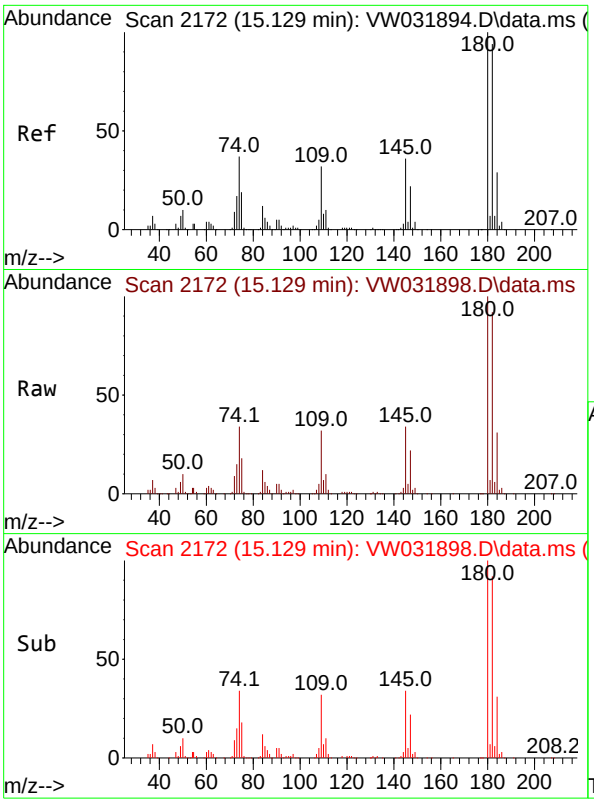


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.905 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion: 75 Resp: 28523

Ion	Ratio	Lower	Upper
75	100		
155	72.0	35.9	107.7
157	90.6	47.4	142.2



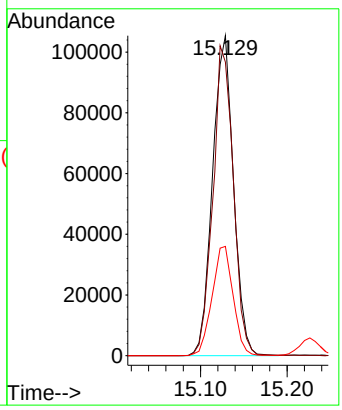


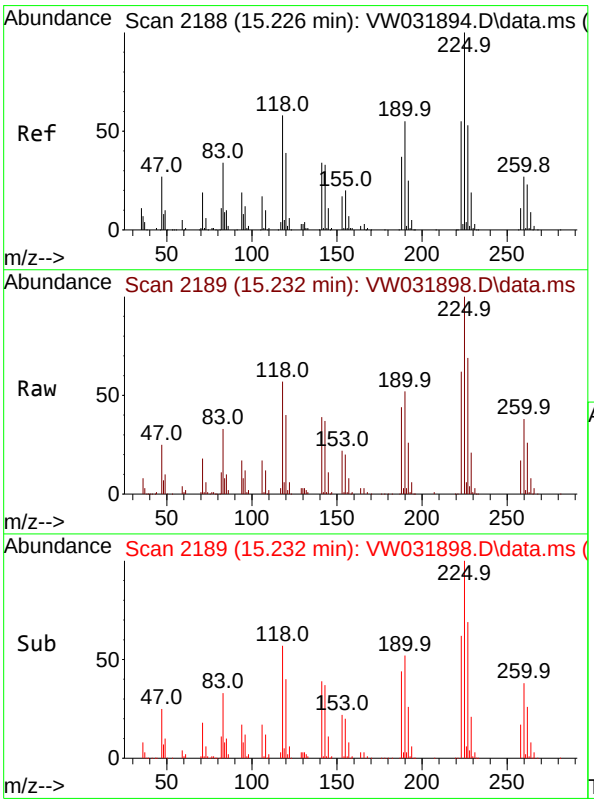
#93
1,2,4-Trichlorobenzene
Concen: 49.346 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:180 Resp: 177038

Ion	Ratio	Lower	Upper
180	100		
182	94.3	51.0	153.1
145	34.4	18.4	55.4

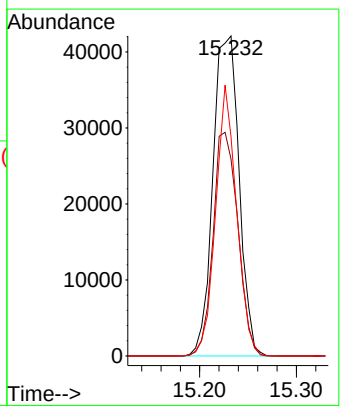


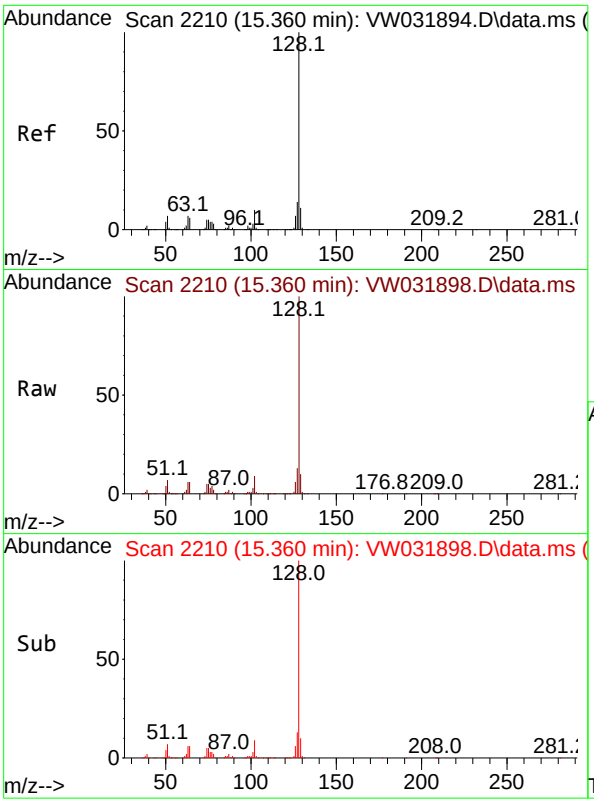


#94
Hexachlorobutadiene
Concen: 46.450 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:225 Resp: 78966

Ion	Ratio	Lower	Upper
225	100		
223	66.2	30.9	92.7
227	68.2	30.0	90.1



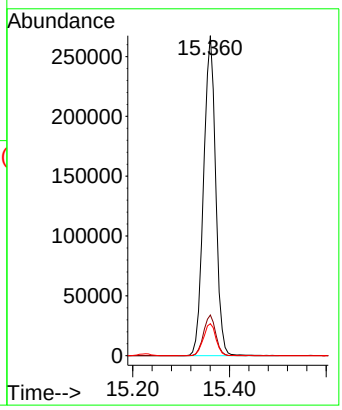


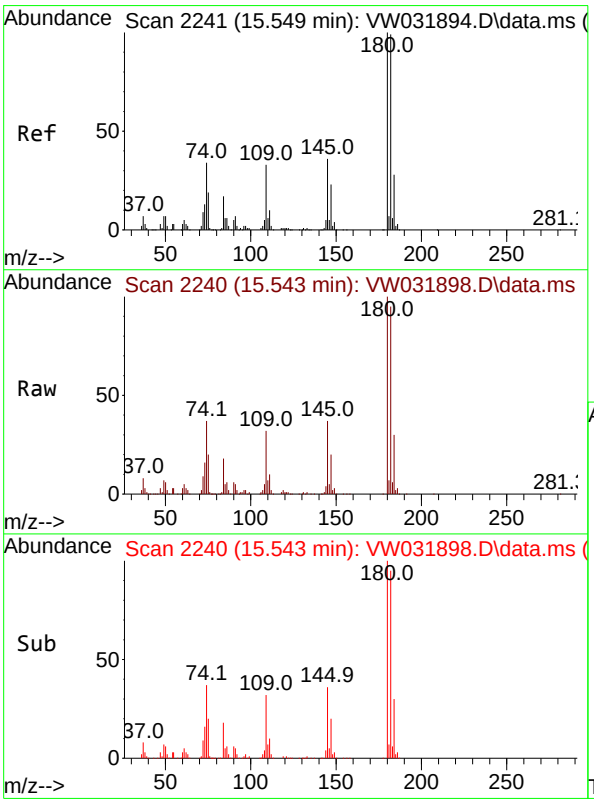
#95
Naphthalene
Concen: 52.482 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Tgt Ion:128 Resp: 462913

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.4	9.2	13.8

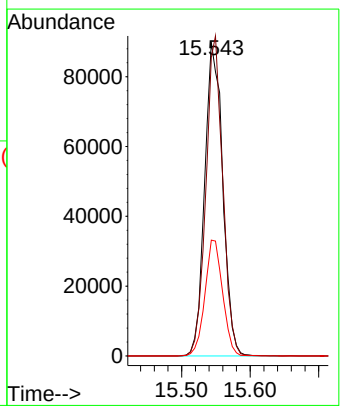




#96
1,2,3-Trichlorobenzene
Concen: 50.512 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031898.D
Acq: 22 Jul 2025 14:47

Tgt Ion:180 Resp: 164194

Ion	Ratio	Lower	Upper
180	100		
182	95.5	50.4	151.2
145	36.4	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	217356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163285	49.660	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.320%			
35) Dibromofluoromethane	7.904	113	141994	53.665	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.340%			
50) Toluene-d8	10.325	98	525585	52.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.617	95	192848	50.153	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	92251	57.106	ug/l	99
3) Chloromethane	2.259	50	119494	57.631	ug/l	98
4) Vinyl Chloride	2.405	62	137124	50.910	ug/l	99
5) Bromomethane	2.826	94	109184	55.049	ug/l	93
6) Chloroethane	2.972	64	97210	54.684	ug/l	99
7) Trichlorofluoromethane	3.301	101	120885	44.312	ug/l	100
8) Diethyl Ether	3.716	74	94479	51.846	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	140125	53.402	ug/l	99
10) Methyl Iodide	4.307	142	201927	51.469	ug/l	99
11) Tert butyl alcohol	5.216	59	55767	288.537	ug/l	100
12) 1,1-Dichloroethene	4.076	96	157964	54.504	ug/l	95
13) Acrolein	3.923	56	18148	59.978	ug/l	95
14) Allyl chloride	4.697	41	225292	49.935	ug/l	99
15) Acrylonitrile	5.399	53	228118	279.999	ug/l	98
16) Acetone	4.155	43	218857	280.500	ug/l	96
17) Carbon Disulfide	4.417	76	416159	55.366	ug/l	100
18) Methyl Acetate	4.704	43	128723	59.882	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	264118	52.743	ug/l	99
20) Methylene Chloride	4.954	84	165975	49.711	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	165370	53.778	ug/l	94
22) Diisopropyl ether	6.337	45	474322	52.539	ug/l	98
23) Vinyl Acetate	6.283	43	1593764	270.216	ug/l	100
24) 1,1-Dichloroethane	6.234	63	300526	53.466	ug/l	99
25) 2-Butanone	7.191	43	299837	280.867	ug/l	96
26) 2,2-Dichloropropane	7.185	77	155538	48.877	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	193871	53.628	ug/l	100
28) Bromochloromethane	7.532	49	108992	46.312	ug/l	97
29) Tetrahydrofuran	7.551	42	198834	284.086	ug/l	99
30) Chloroform	7.685	83	321556	54.561	ug/l	97
31) Cyclohexane	7.971	56	248855	49.349	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	235576	52.529	ug/l	98
36) 1,1-Dichloropropene	8.093	75	223048	54.892	ug/l	99
37) Ethyl Acetate	7.270	43	127679	55.082	ug/l	98
38) Carbon Tetrachloride	8.075	117	218047	55.914	ug/l	97
39) Methylcyclohexane	9.343	83	275493	53.874	ug/l	96
40) Benzene	8.331	78	668793	55.601	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	75577	54.466	ug/l		95
42) 1,2-Dichloroethane	8.410	62	215940	56.094	ug/l		99
43) Isopropyl Acetate	8.435	43	235025	56.007	ug/l		99
44) Trichloroethene	9.099	130	156276	54.659	ug/l		98
45) 1,2-Dichloropropane	9.373	63	161580	55.778	ug/l		99
46) Dibromomethane	9.465	93	101513	56.530	ug/l		99
47) Bromodichloromethane	9.648	83	247561	57.492	ug/l		95
48) Methyl methacrylate	9.441	41	114501	57.353	ug/l		99
49) 1,4-Dioxane	9.459	88	27240	1520.227	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	676661	294.645	ug/l		99
52) Toluene	10.392	92	441658	57.118	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	230434	55.788	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	264955	56.169	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	136947	57.413	ug/l		91
56) Ethyl methacrylate	10.648	69	196180	58.234	ug/l		99
57) 1,3-Dichloropropane	10.934	76	239932	57.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	434358	251.017	ug/l		99
59) 2-Hexanone	10.971	43	468449	293.457	ug/l		99
60) Dibromochloromethane	11.129	129	163216	58.688	ug/l		97
61) 1,2-Dibromoethane	11.233	107	132321	56.140	ug/l		99
64) Tetrachloroethene	10.861	164	120637	51.855	ug/l		93
65) Chlorobenzene	11.654	112	461052	53.387	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.727	131	154000	57.521	ug/l		96
67) Ethyl Benzene	11.727	91	835941	55.092	ug/l		98
68) m/p-Xylenes	11.836	106	629273	110.164	ug/l		99
69) o-Xylene	12.166	106	300812	55.646	ug/l		100
70) Styrene	12.178	104	524997	57.041	ug/l		98
71) Bromoform	12.349	173	88226	60.255	ug/l	#	98
73) Isopropylbenzene	12.464	105	775034	53.083	ug/l		98
74) N-amyl acetate	12.269	43	214488	54.340	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	171707	55.405	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	216530	93.201	ug/l	#	100
77) Bromobenzene	12.745	156	174785	55.328	ug/l		93
78) n-propylbenzene	12.800	91	936246	52.211	ug/l		99
79) 2-Chlorotoluene	12.891	91	560072	52.311	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	645113	52.683	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	55549	55.201	ug/l		98
82) 4-Chlorotoluene	12.983	91	589037	52.442	ug/l		100
83) tert-Butylbenzene	13.202	119	561026	53.787	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	658001	53.090	ug/l		100
85) sec-Butylbenzene	13.379	105	803827	51.317	ug/l		97
86) p-Isopropyltoluene	13.495	119	685162	52.921	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	344427	52.377	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	337723	52.427	ug/l		99
89) n-Butylbenzene	13.818	91	663246	52.221	ug/l		99
90) Hexachloroethane	14.086	117	121255	54.161	ug/l		94
91) 1,2-Dichlorobenzene	13.860	146	304656	52.276	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30765	54.947	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	187220	53.269	ug/l		92
94) Hexachlorobutadiene	15.226	225	85665	51.438	ug/l		95
95) Naphthalene	15.360	128	476978	55.201	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	170625	53.582	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

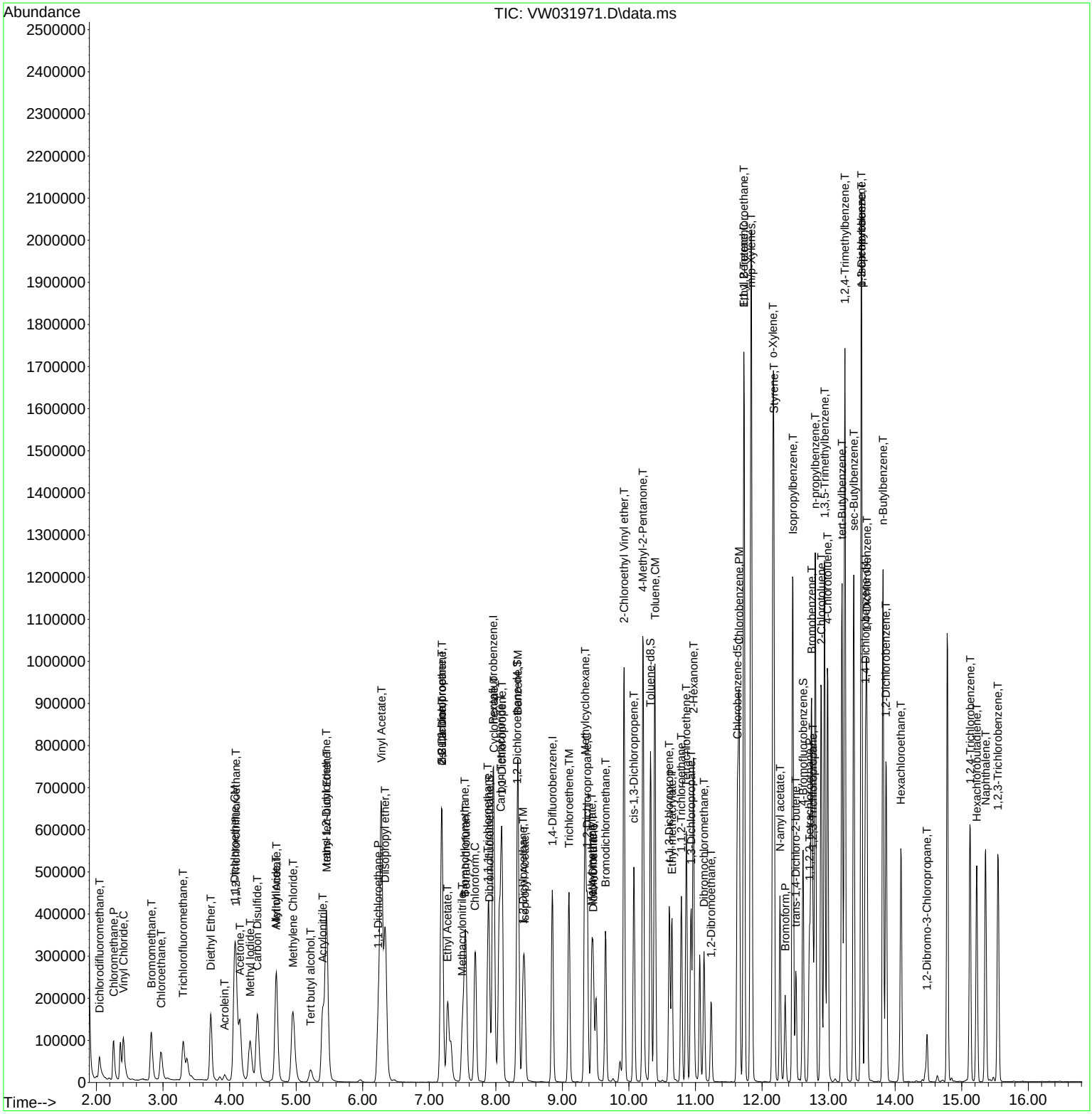
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

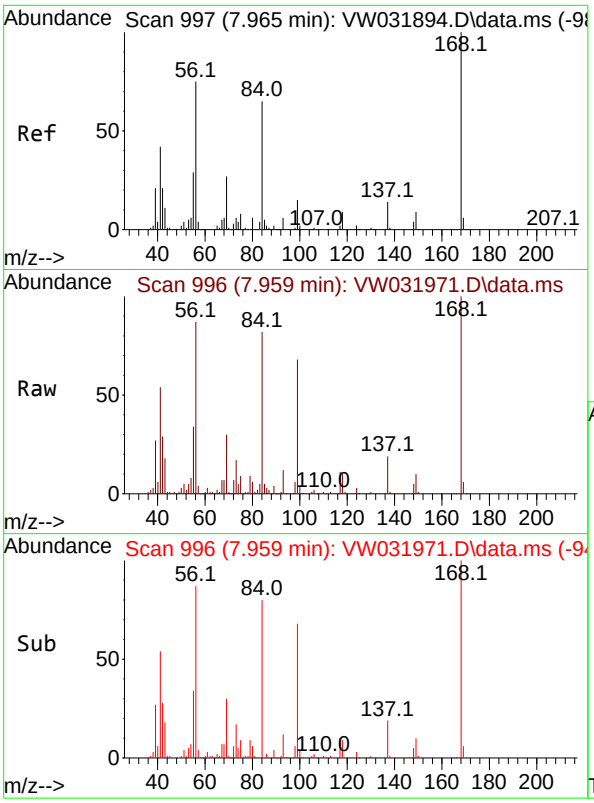
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



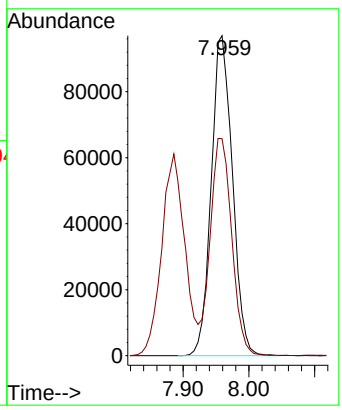


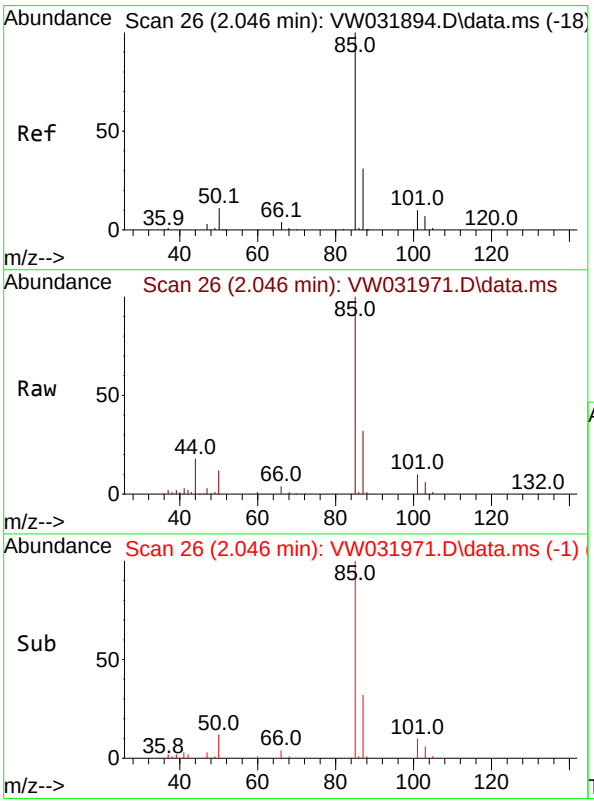
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 217356

Ion	Ratio	Lower	Upper
168	100		
99	67.7	48.2	72.2

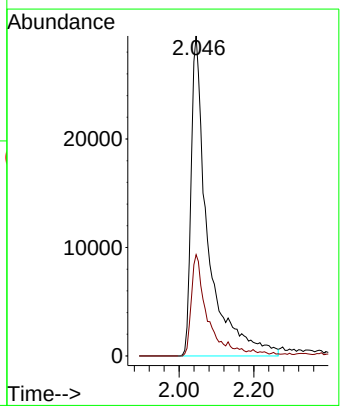


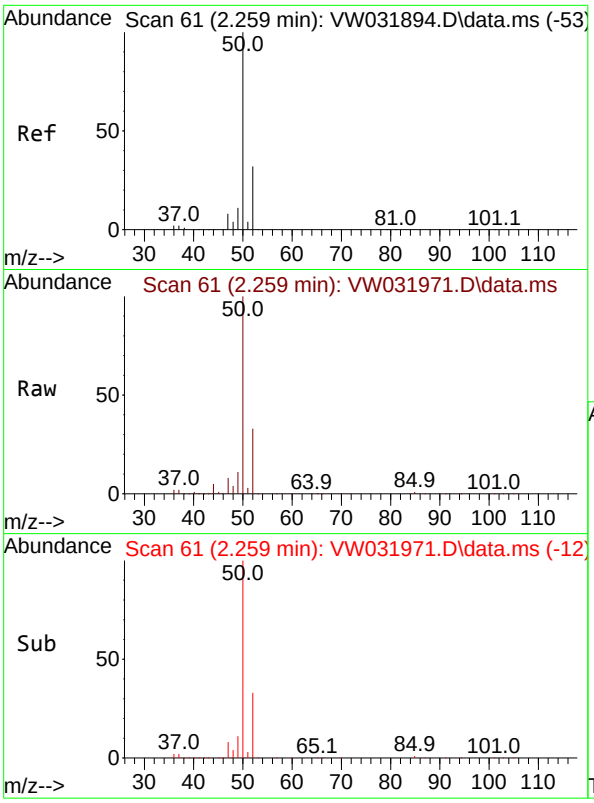


#2
Dichlorodifluoromethane
Concen: 57.106 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 85 Resp: 92251

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.5	46.5



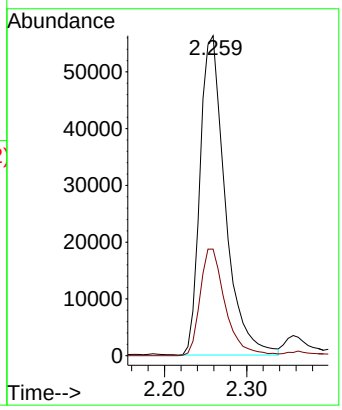


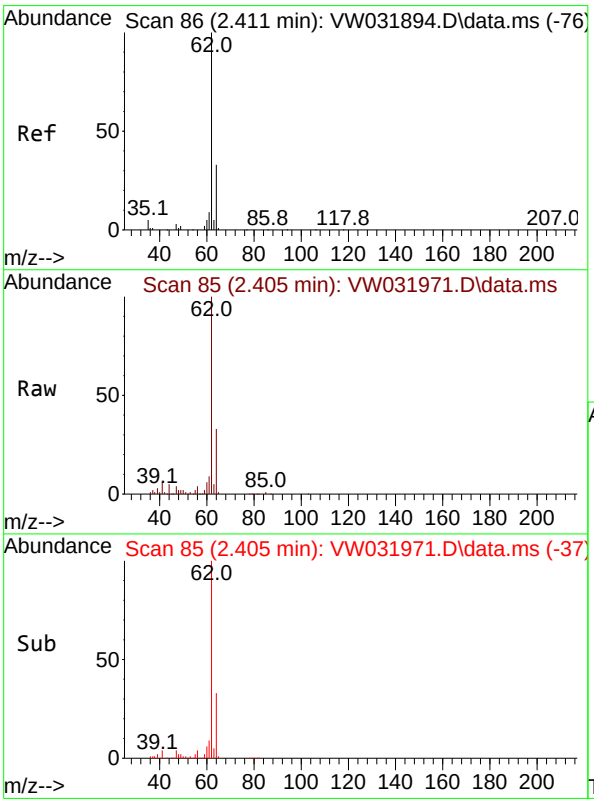
#3
Chloromethane
Concen: 57.631 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 119494

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5

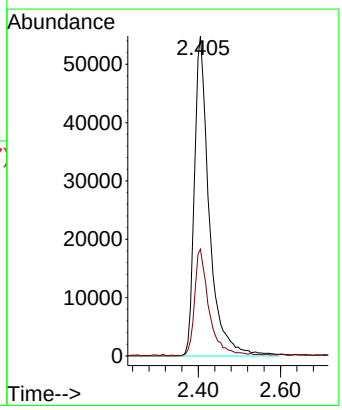


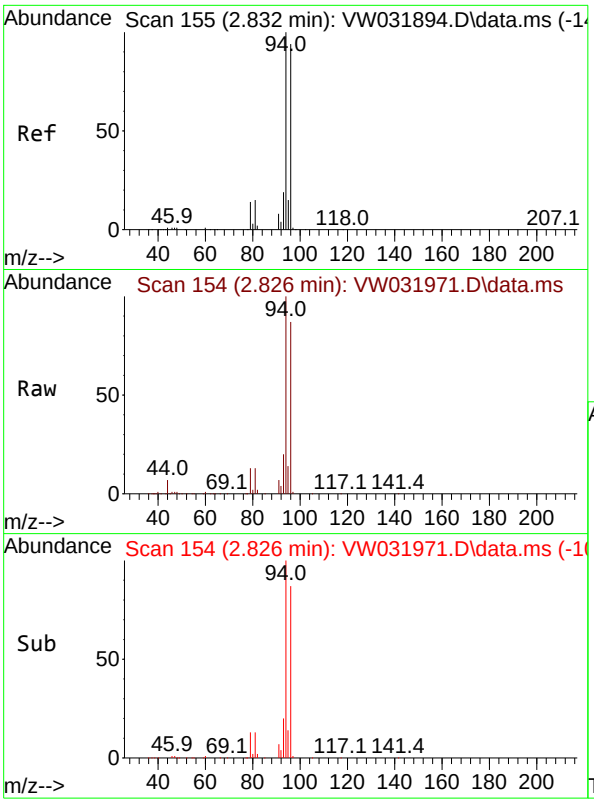


#4
Vinyl Chloride
Concen: 50.910 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 62 Resp: 137124

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.2	39.2



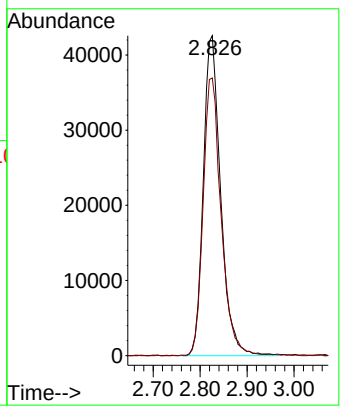


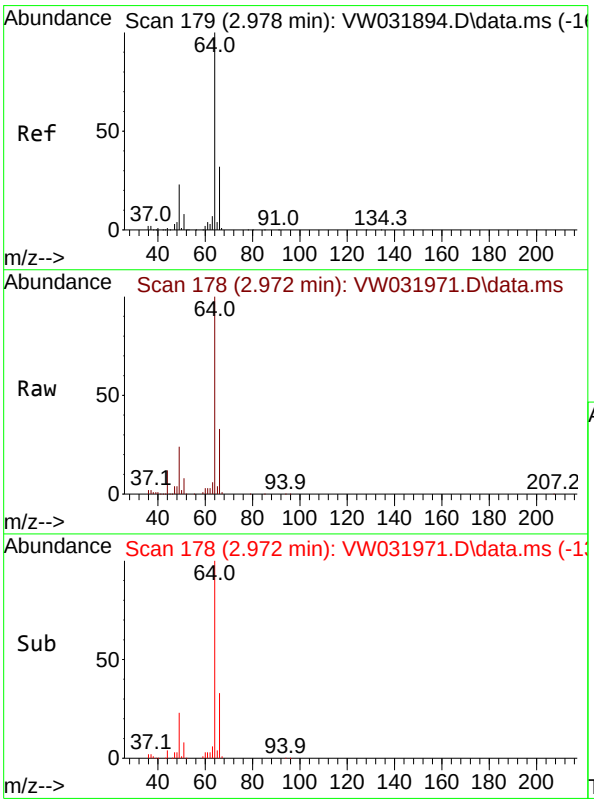
#5
Bromomethane
Concen: 55.049 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 109184

Ion	Ratio	Lower	Upper
94	100		
96	86.8	75.0	112.6

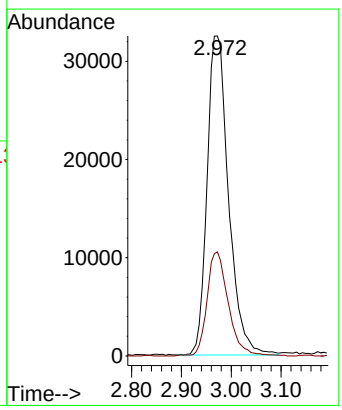


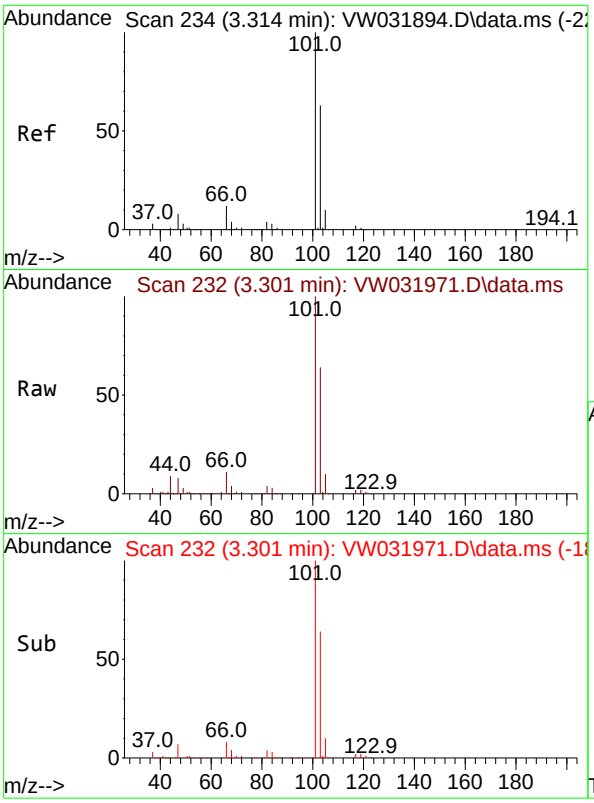


#6
Chloroethane
Concen: 54.684 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 64 Resp: 97210

Ion	Ratio	Lower	Upper
64	100		
66	32.4	25.6	38.4



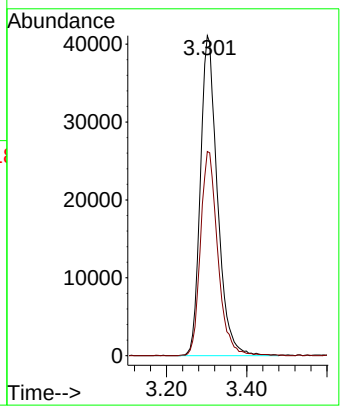


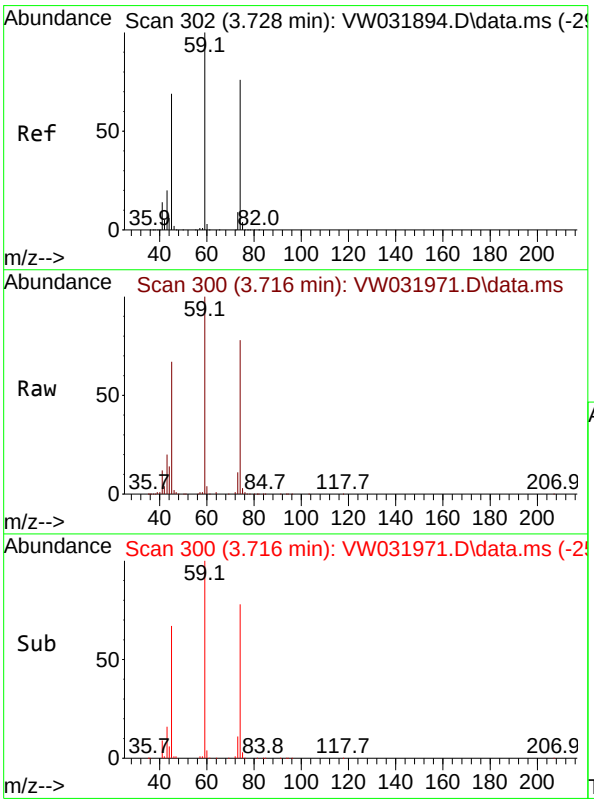
#7
Trichlorofluoromethane
Concen: 44.312 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 120885

Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.7	76.1

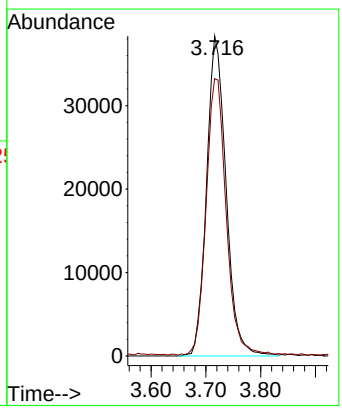


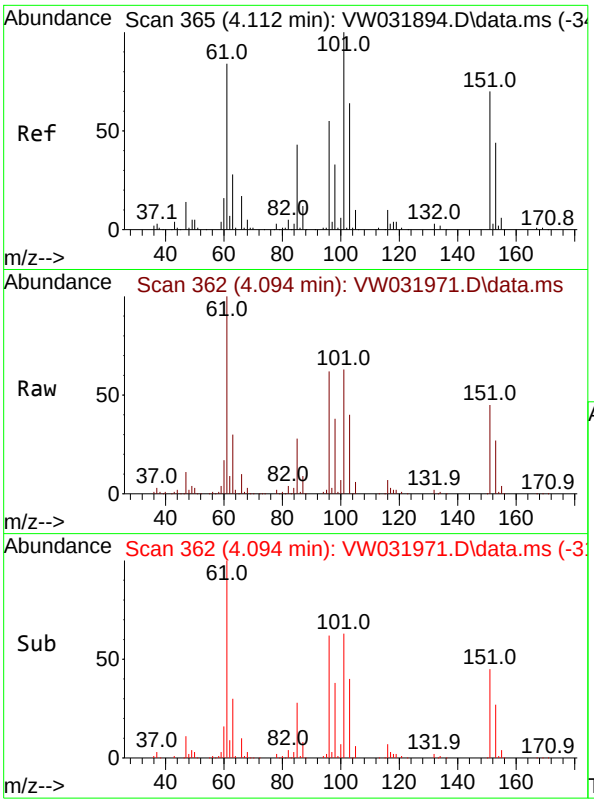


#8
Diethyl Ether
Concen: 51.846 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 74 Resp: 94479

Ion	Ratio	Lower	Upper
74	100		
45	88.7	45.5	136.5



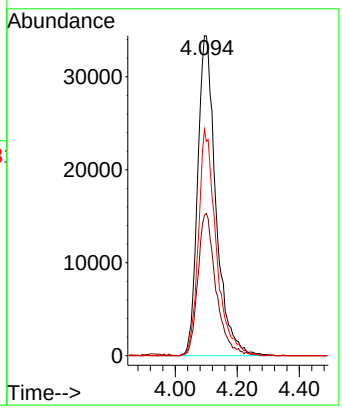


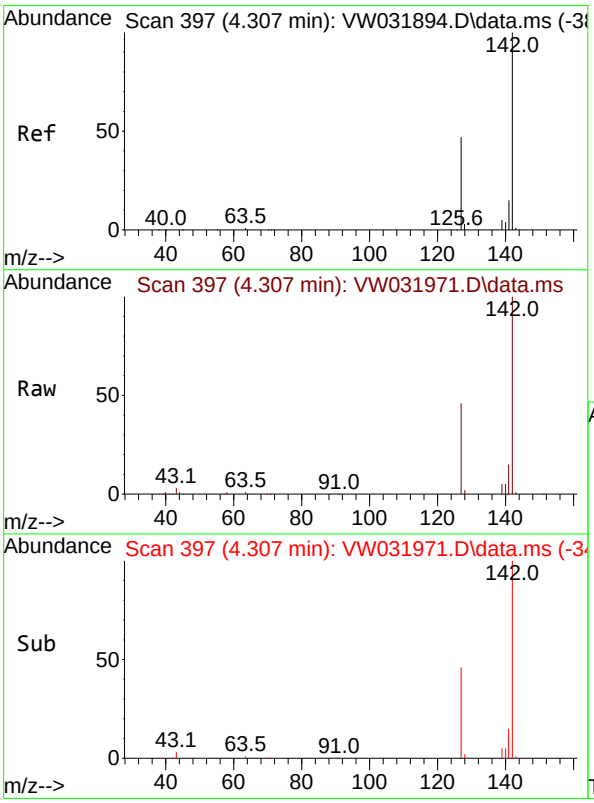
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.402 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 140125

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	69.0	54.6	81.8

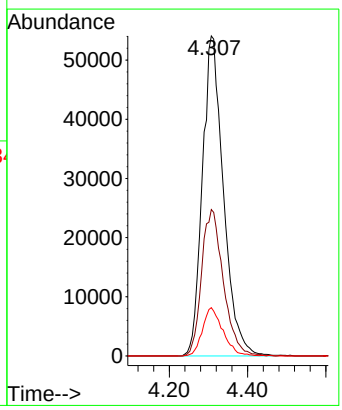


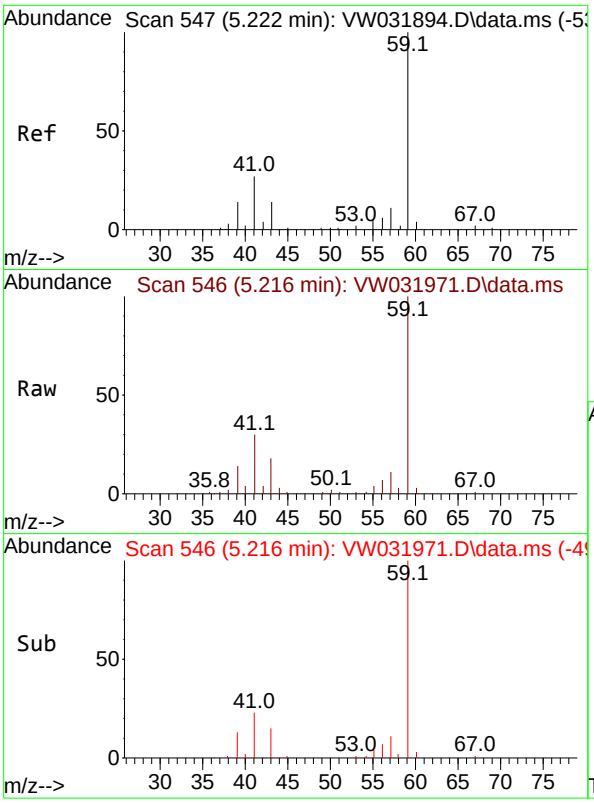


#10
Methyl Iodide
Concen: 51.469 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:142 Resp: 201927

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.4	56.2
141	14.7	11.9	17.9



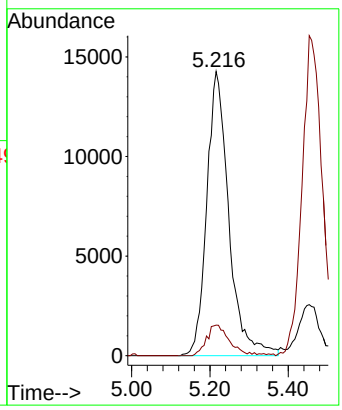


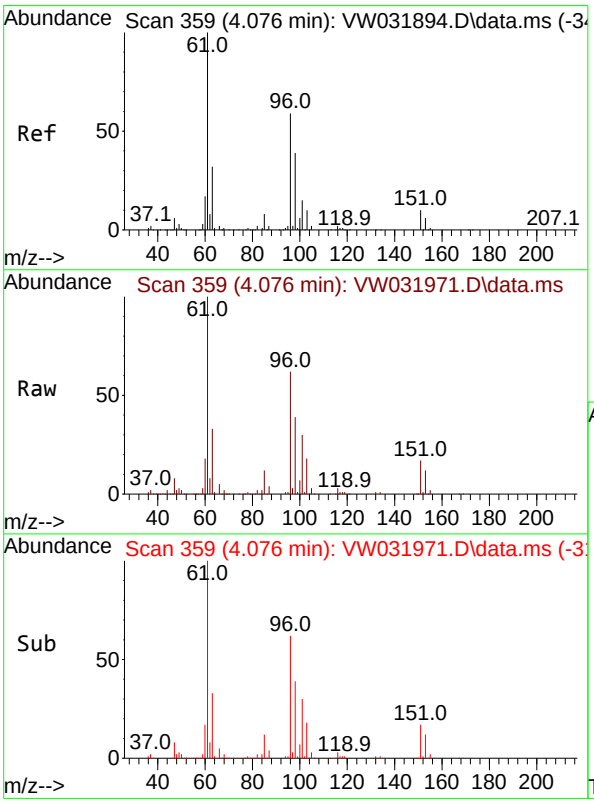
#11
Tert butyl alcohol
Concen: 288.537 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 55767

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

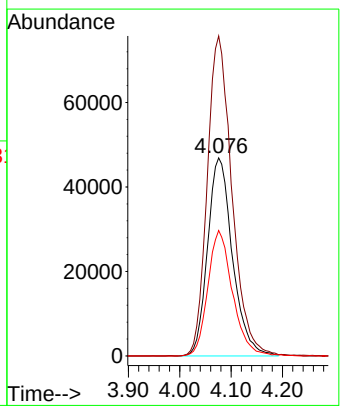


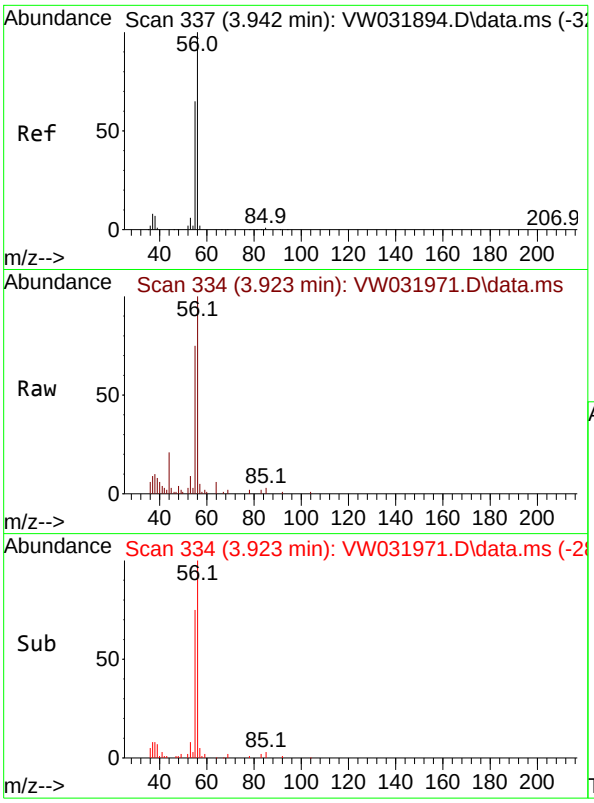


#12
1,1-Dichloroethene
Concen: 54.504 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 96 Resp: 157964

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.0	202.6
98	63.3	52.3	78.5



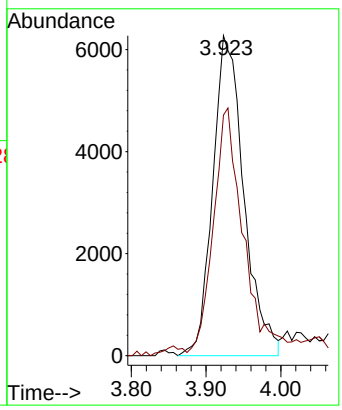


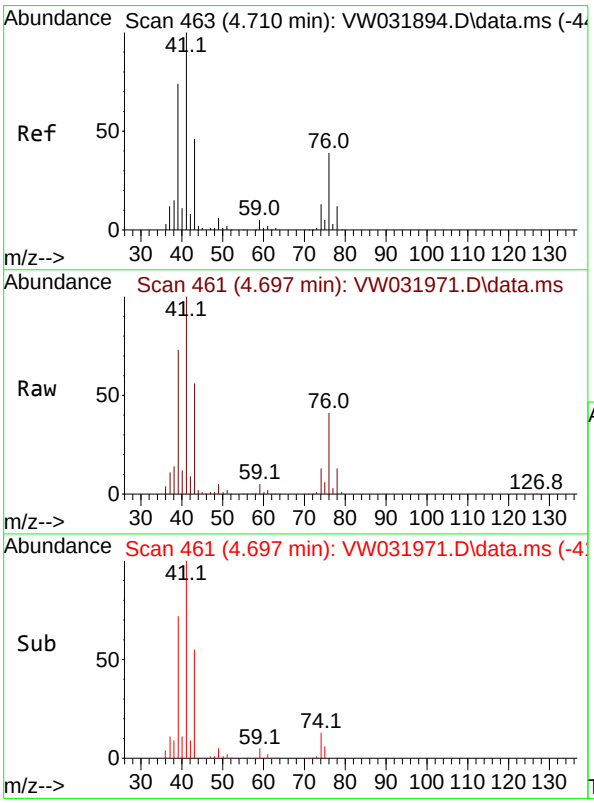
#13
Acrolein
Concen: 59.978 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.019 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 18148

Ion	Ratio	Lower	Upper
56	100		
55	74.6	56.7	85.1

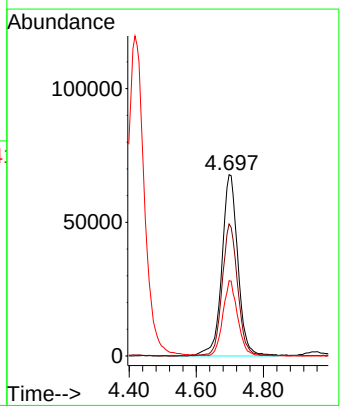


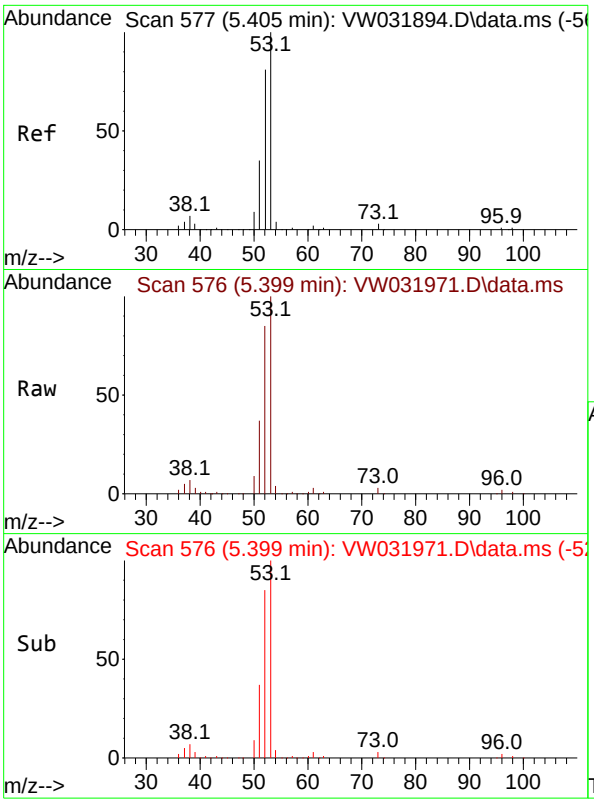


#14
Allyl chloride
Concen: 49.935 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 41 Resp: 225292

Ion	Ratio	Lower	Upper
41	100		
39	69.9	56.6	85.0
76	37.9	30.1	45.1



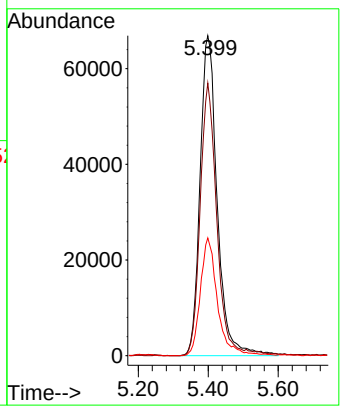


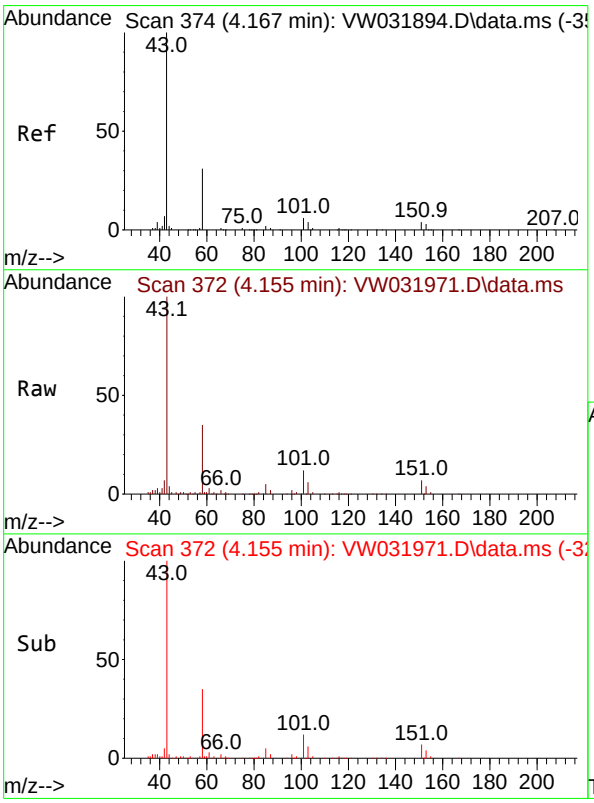
#15
Acrylonitrile
Concen: 279.999 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 228118

Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.0	100.4
51	36.5	29.9	44.9

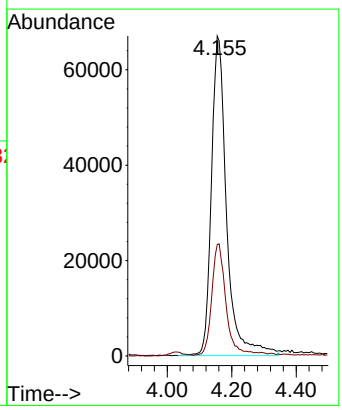


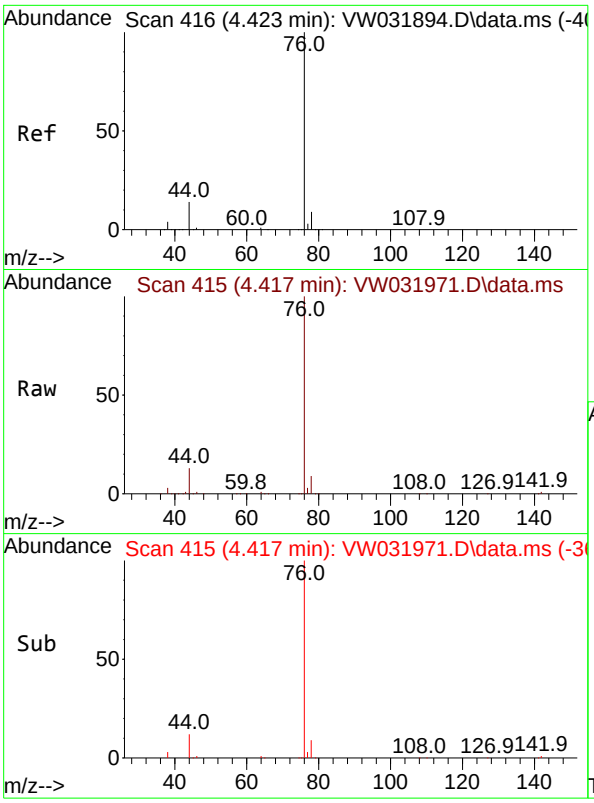


#16
Acetone
Concen: 280.500 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 218857

Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.5	38.3



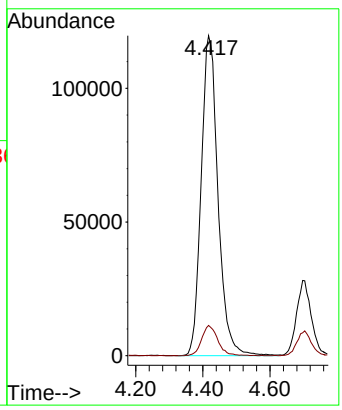


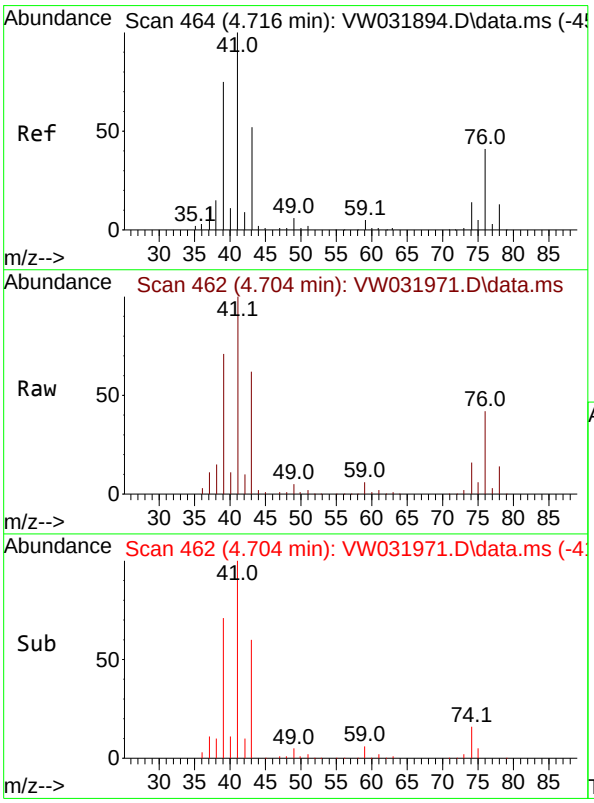
#17
Carbon Disulfide
Concen: 55.366 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 416159

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

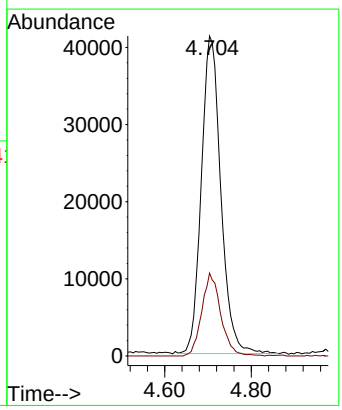


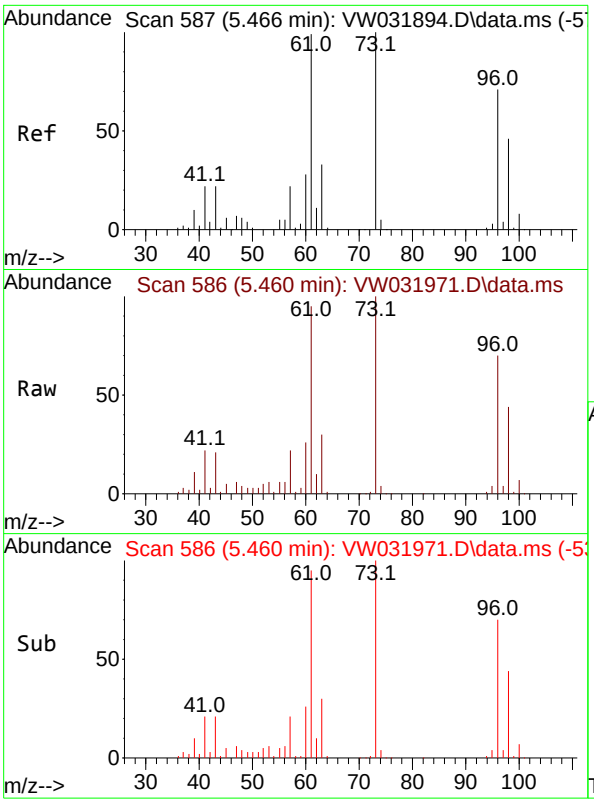


#18
Methyl Acetate
Concen: 59.882 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 128723

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.6	31.0



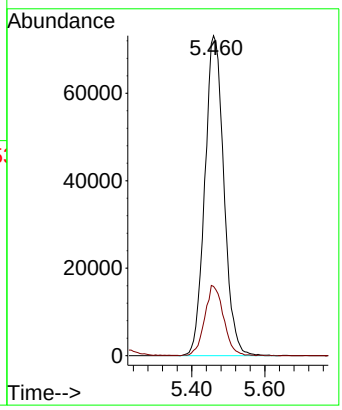


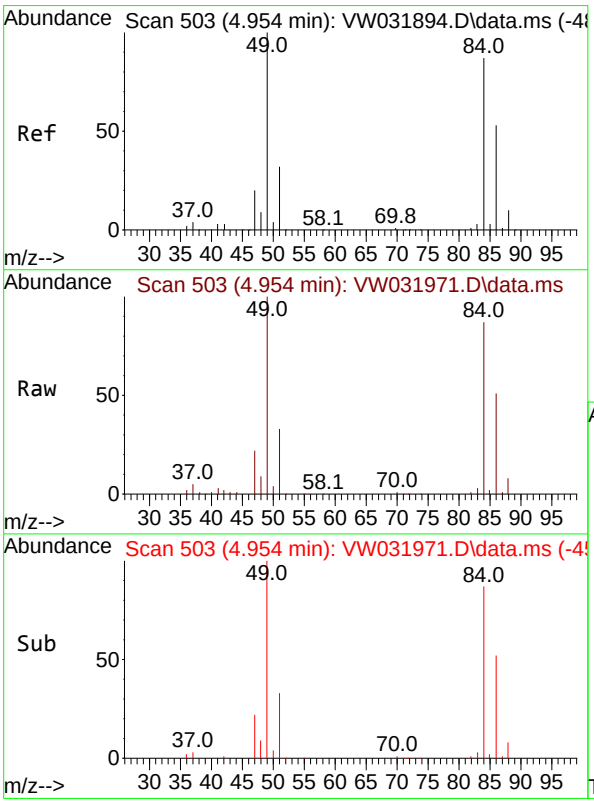
#19
Methyl tert-butyl Ether
Concen: 52.743 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 264118

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

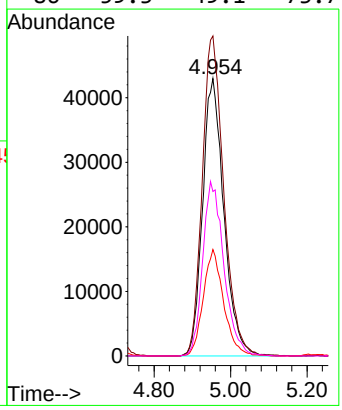


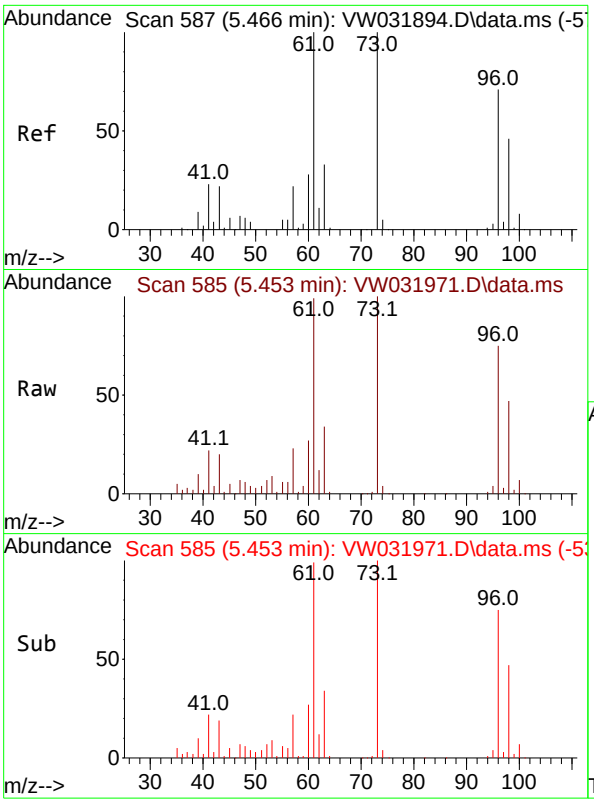


#20
Methylene Chloride
Concen: 49.711 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 84 Resp: 165975

Ion	Ratio	Lower	Upper
84	100		
49	115.3	91.9	137.9
51	38.4	29.0	43.6
86	59.3	49.1	73.7



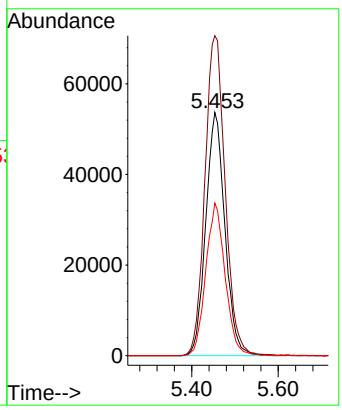


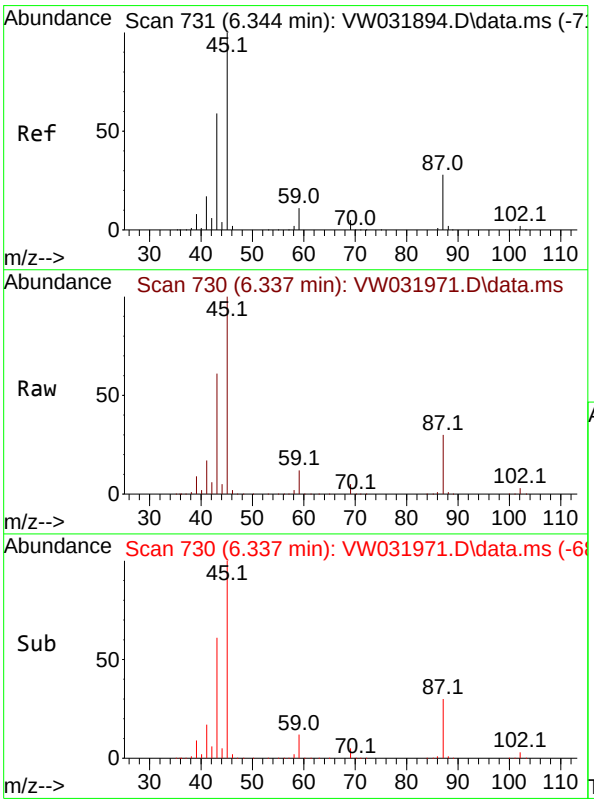
#21
trans-1,2-Dichloroethene
Concen: 53.778 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 165370

Ion	Ratio	Lower	Upper
96	100		
61	131.6	112.8	169.2
98	62.8	51.9	77.9

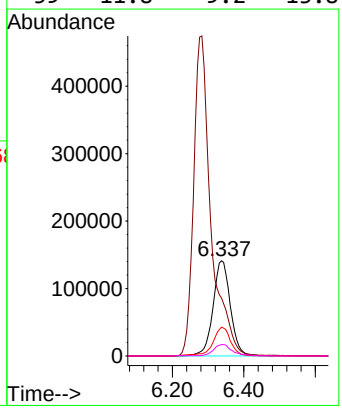


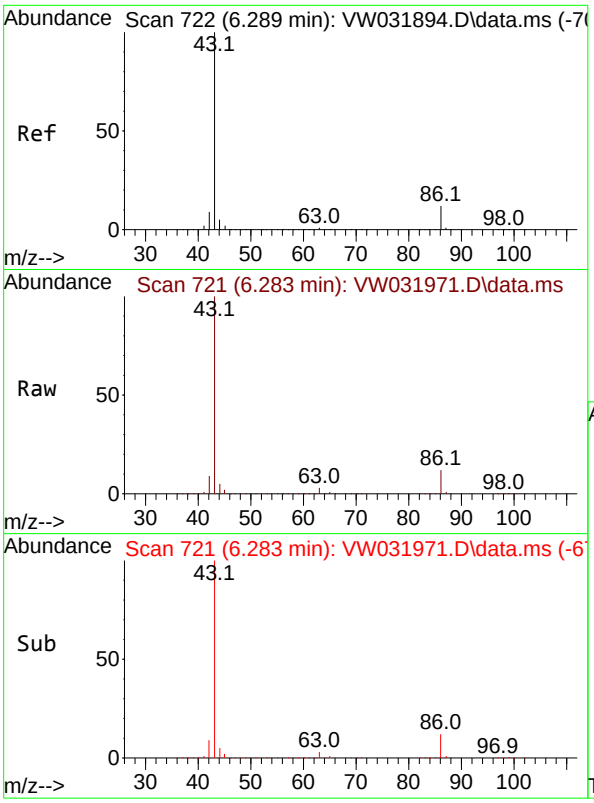


#22
Diisopropyl ether
Concen: 52.539 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 45 Resp: 474322

Ion	Ratio	Lower	Upper
45	100		
43	60.4	47.0	70.6
87	30.2	22.8	34.2
59	11.8	9.2	13.8



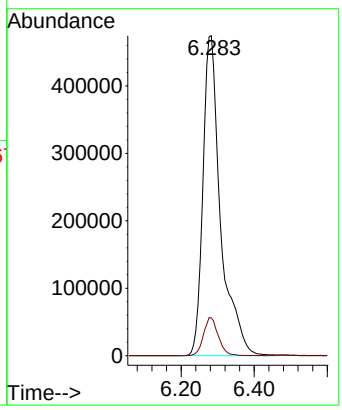


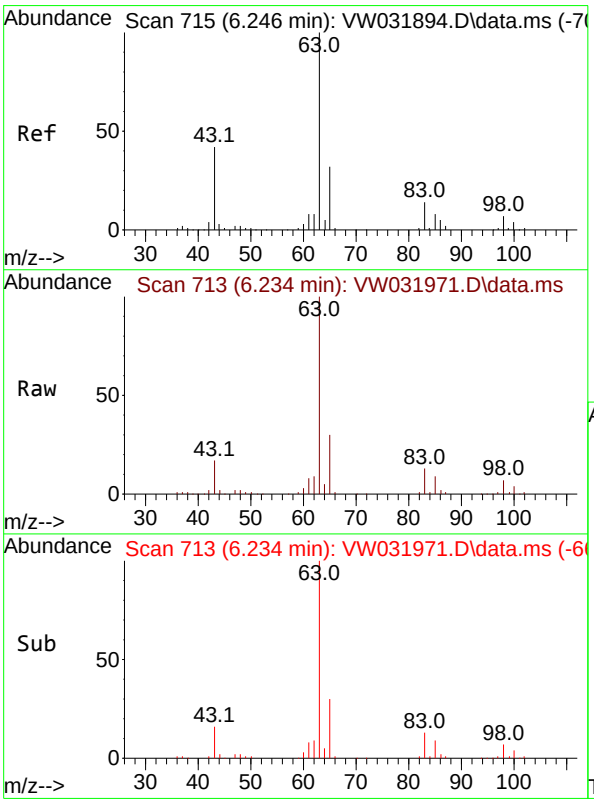
#23
Vinyl Acetate
Concen: 270.216 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1593764

Ion	Ratio	Lower	Upper
43	100		
86	11.8	9.4	14.2

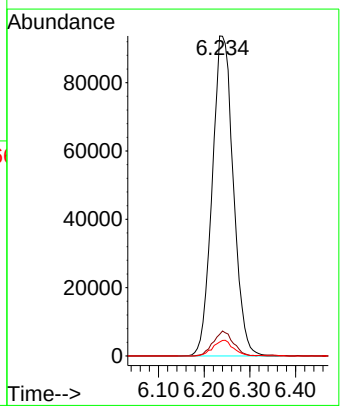


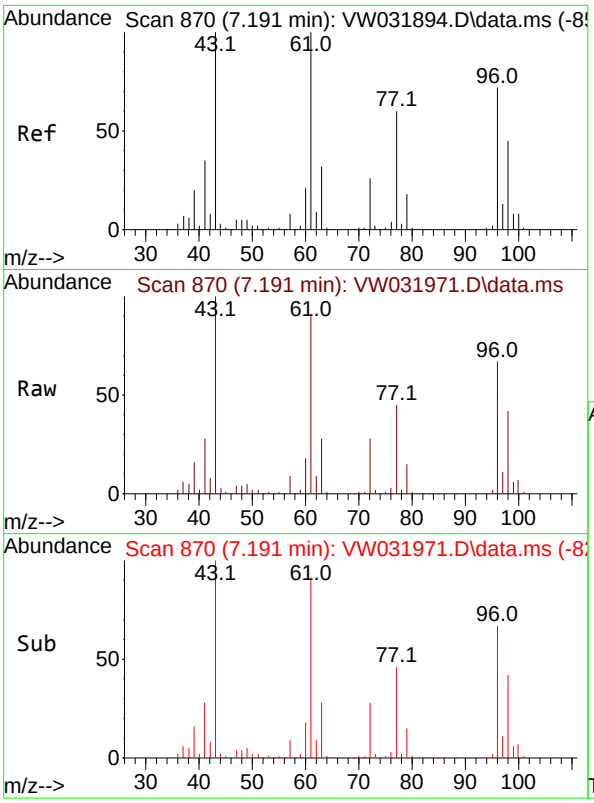


#24
1,1-Dichloroethane
Concen: 53.466 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.012 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 63 Resp: 300526

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.9
100	4.3	2.2	6.6



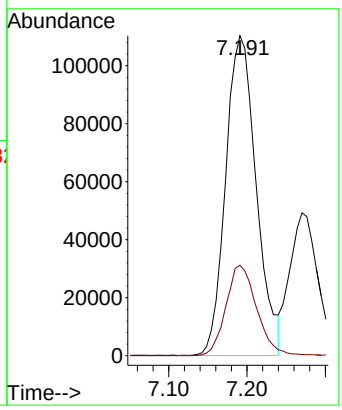


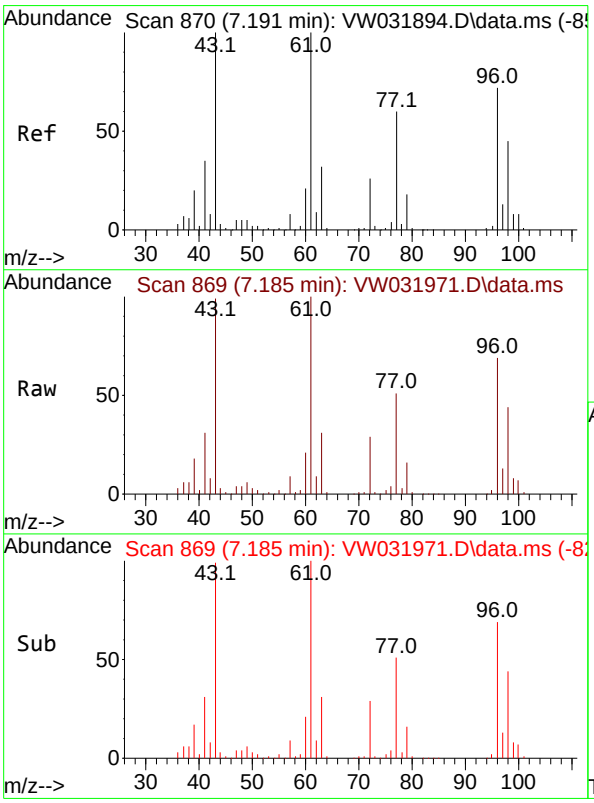
#25
2-Butanone
Concen: 280.867 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 299837

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.8	31.2

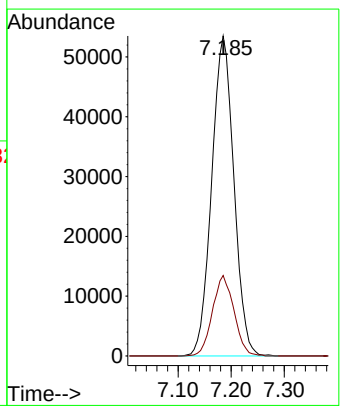


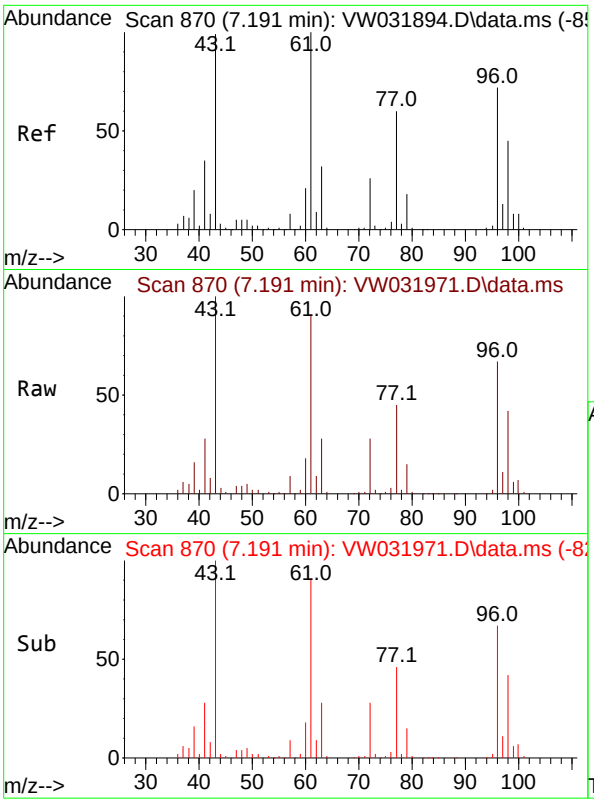


#26
2,2-Dichloropropane
Concen: 48.877 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 77 Resp: 155538

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1



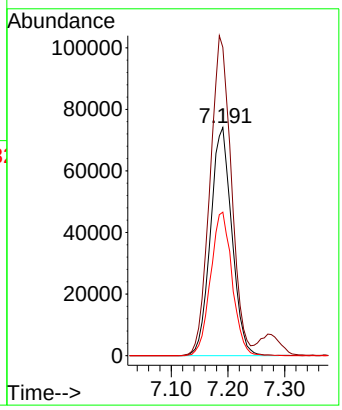


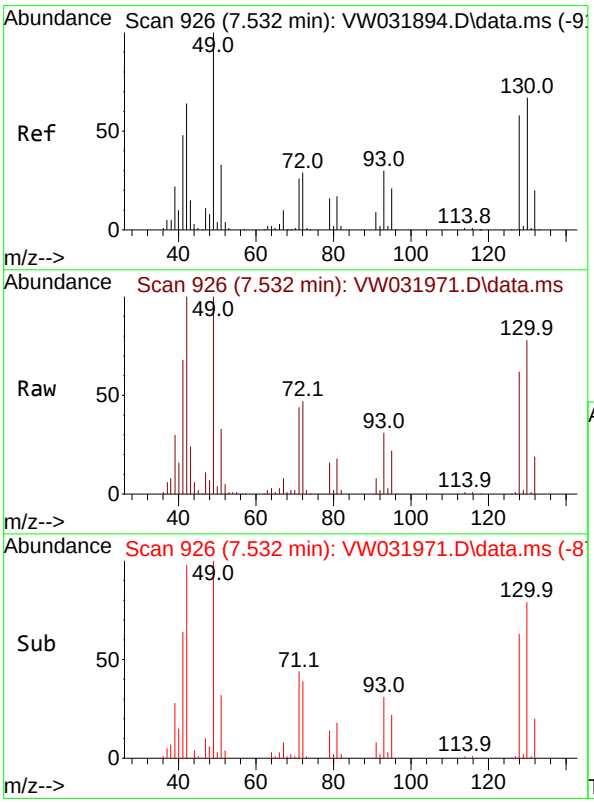
#27
cis-1,2-Dichloroethene
Concen: 53.628 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 193871

Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	280.2
98	63.5	0.0	126.8

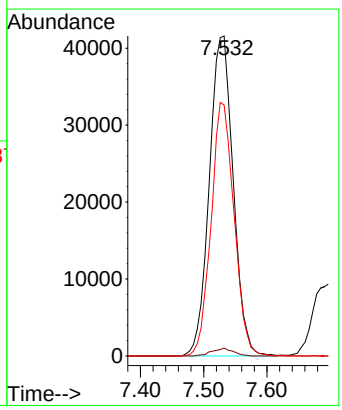


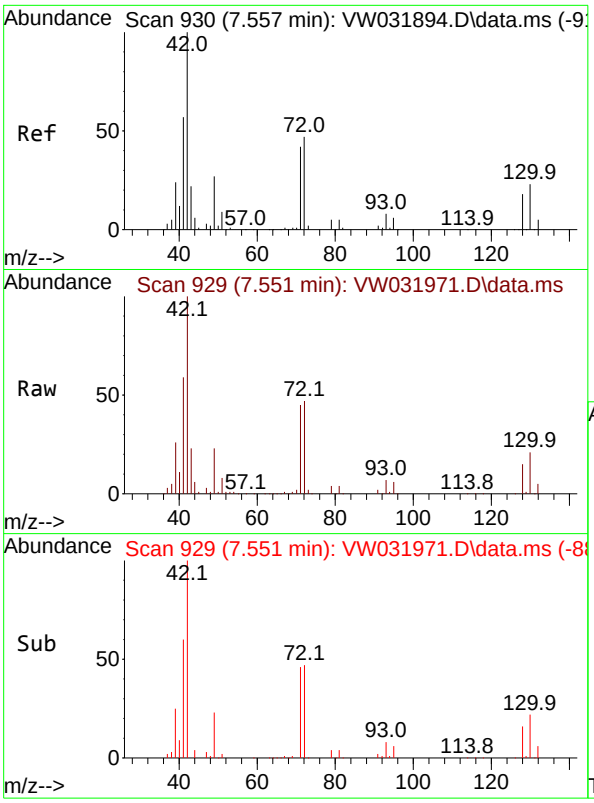


#28
Bromochloromethane
Concen: 46.312 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 49 Resp: 108992

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.2	59.0	88.4



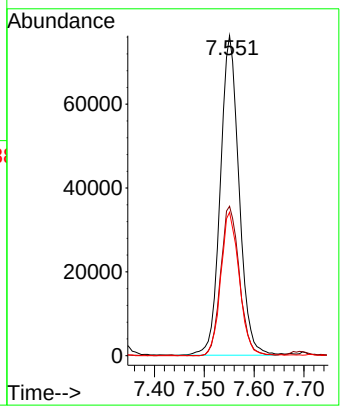


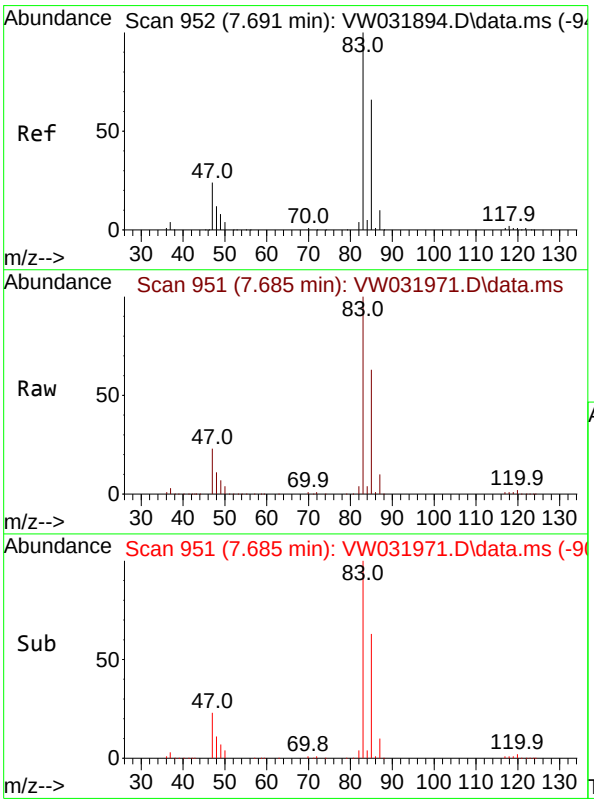
#29
Tetrahydrofuran
Concen: 284.086 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 198834

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.6
71	44.3	34.5	51.7

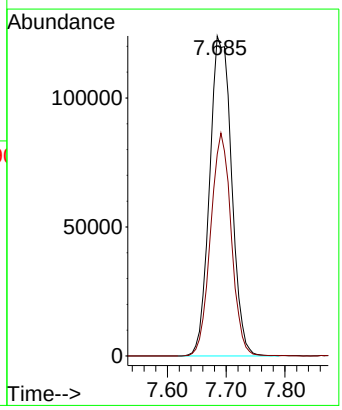


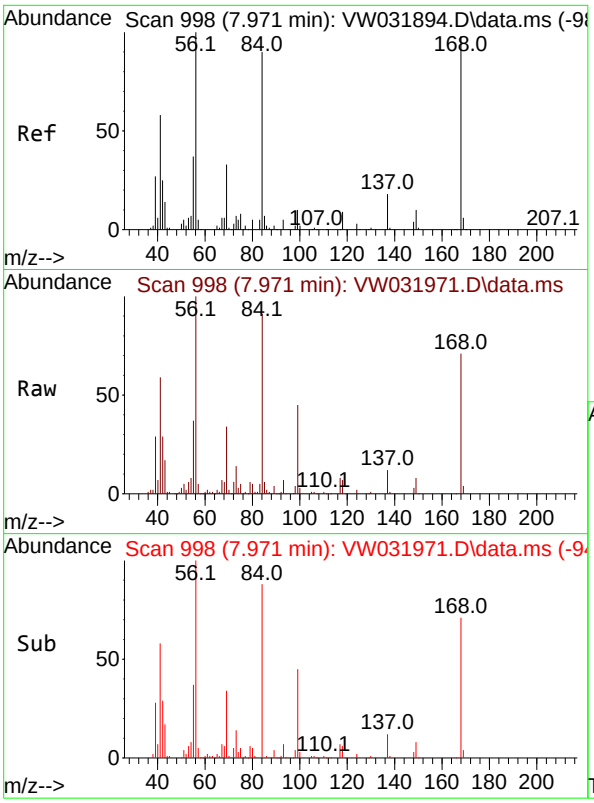


#30
Chloroform
Concen: 54.561 ug/l
RT: 7.685 min Scan# 951
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 83 Resp: 321556

Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	78.8



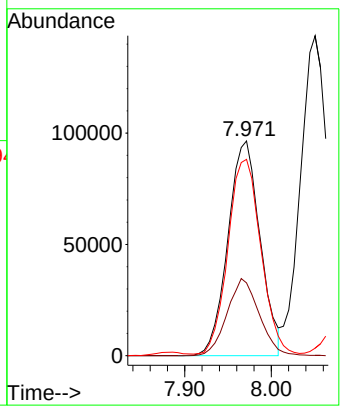


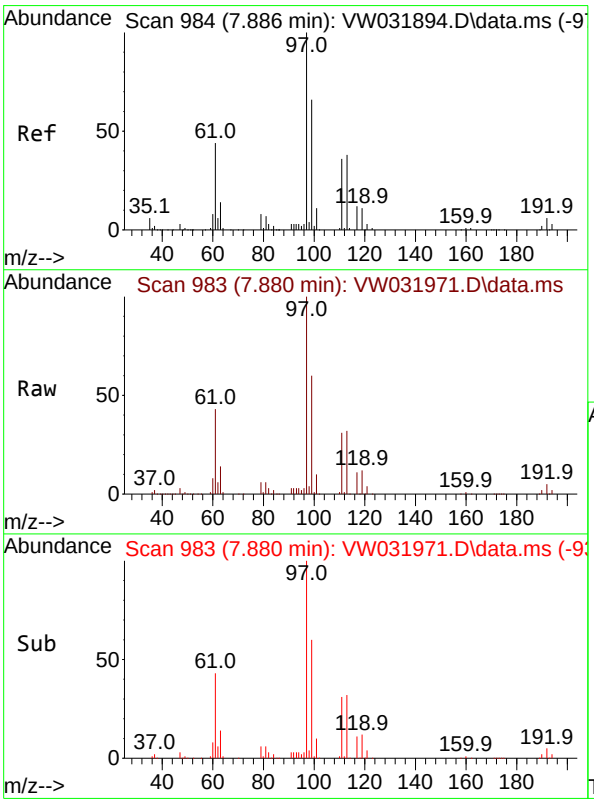
#31
Cyclohexane
Concen: 49.349 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 248855

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.7	40.1
84	90.0	71.8	107.6

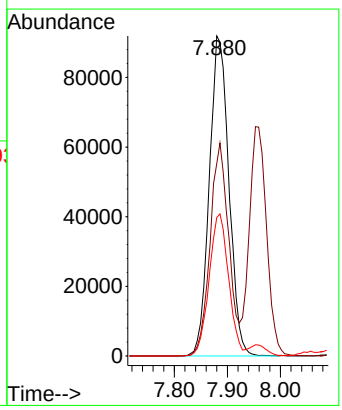


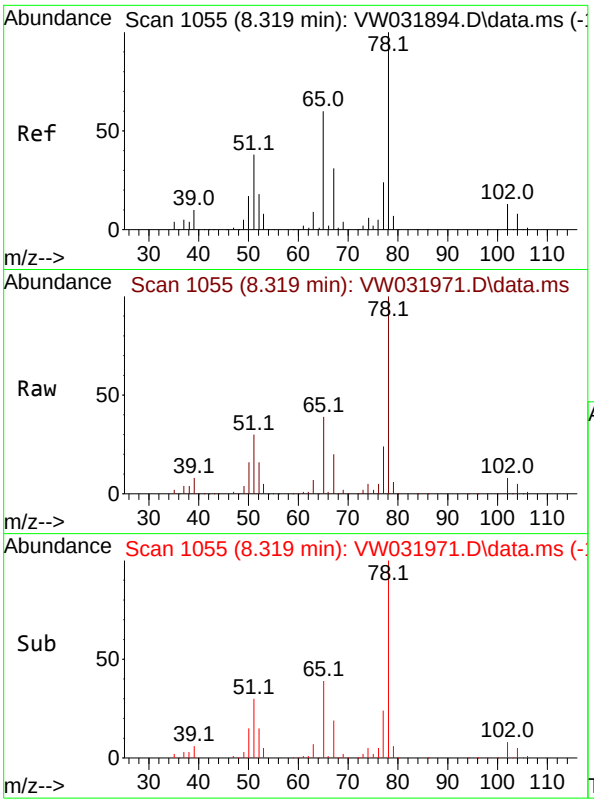


#32
1,1,1-Trichloroethane
Concen: 52.529 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 97 Resp: 235576

Ion	Ratio	Lower	Upper
97	100		
99	63.4	53.0	79.4
61	44.4	35.4	53.0



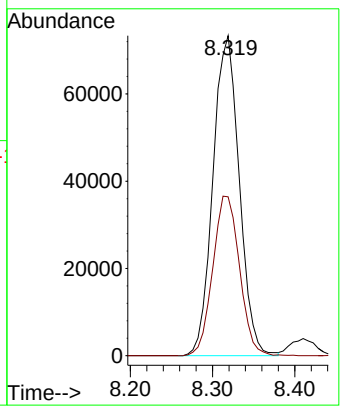


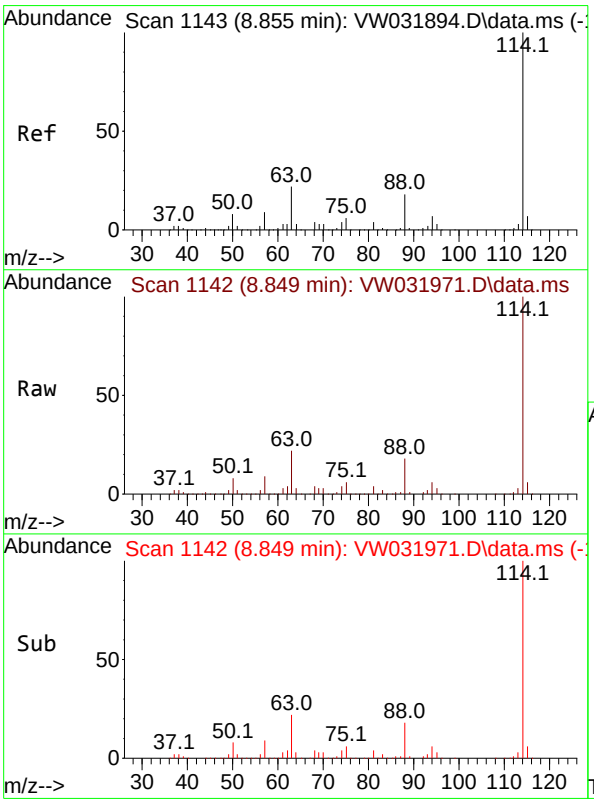
#33
1,2-Dichloroethane-d4
Concen: 49.660 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 163285

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.4

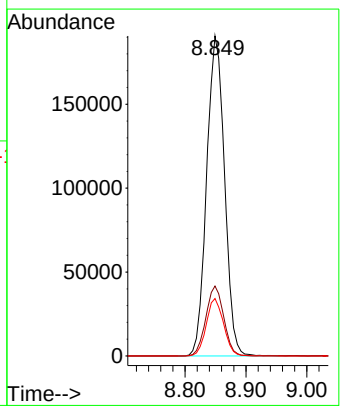


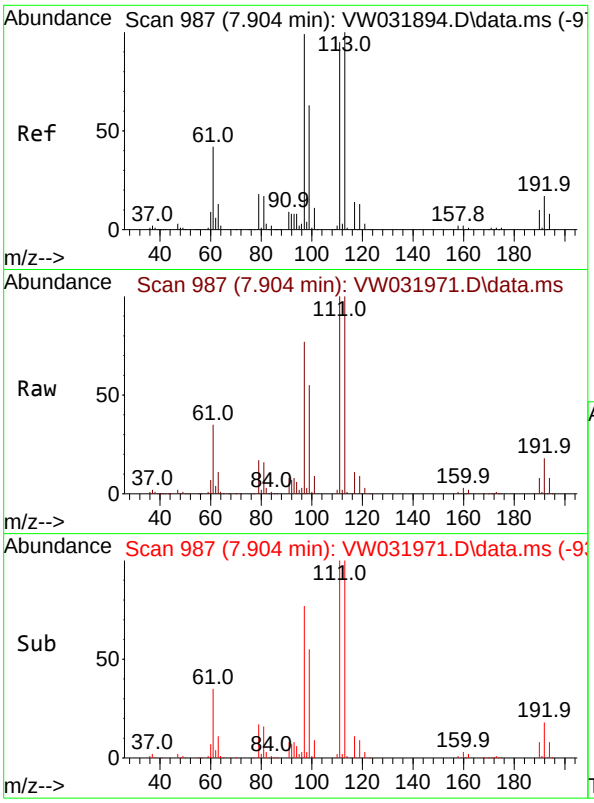


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:114 Resp: 389384

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	17.9	0.0	35.6



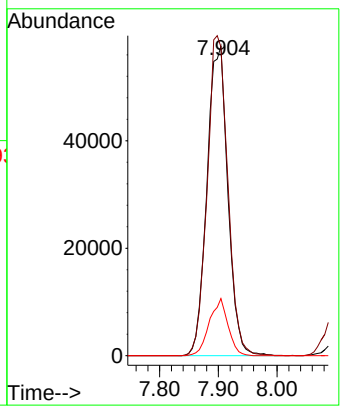


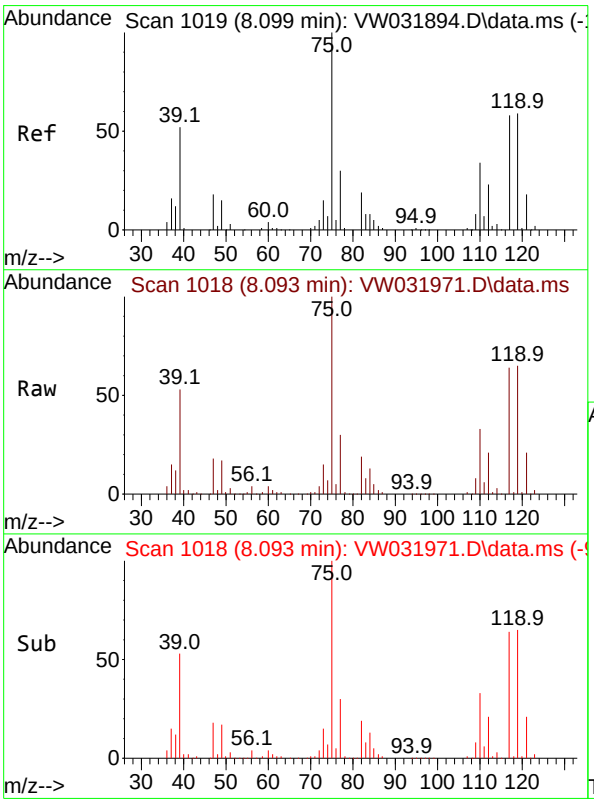
#35
Dibromofluoromethane
Concen: 53.665 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 141994

Ion	Ratio	Lower	Upper
113	100		
111	102.3	79.9	119.9
192	16.5	12.6	19.0

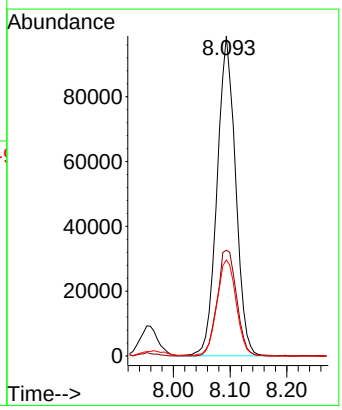


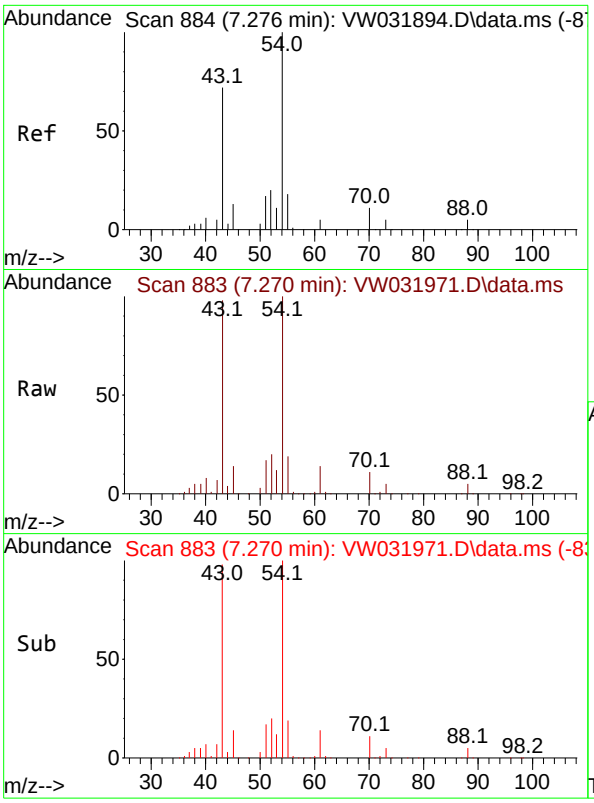


#36
1,1-Dichloropropene
Concen: 54.892 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 223048

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.0	50.9
77	31.6	25.1	37.7



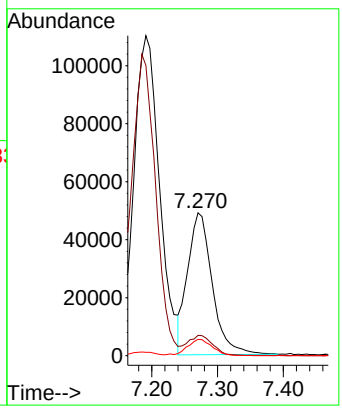


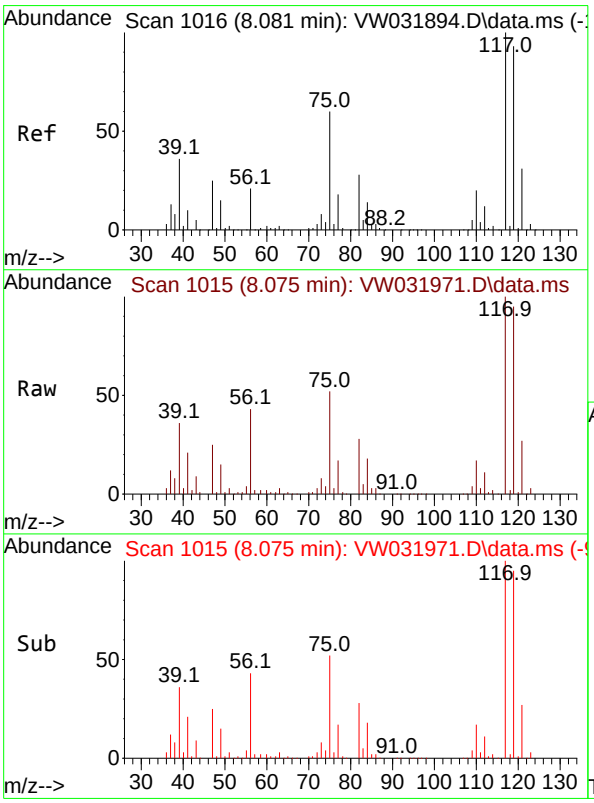
#37
Ethyl Acetate
Concen: 55.082 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 127679

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	11.7	9.0	13.4

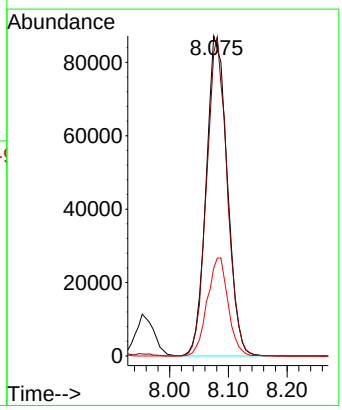


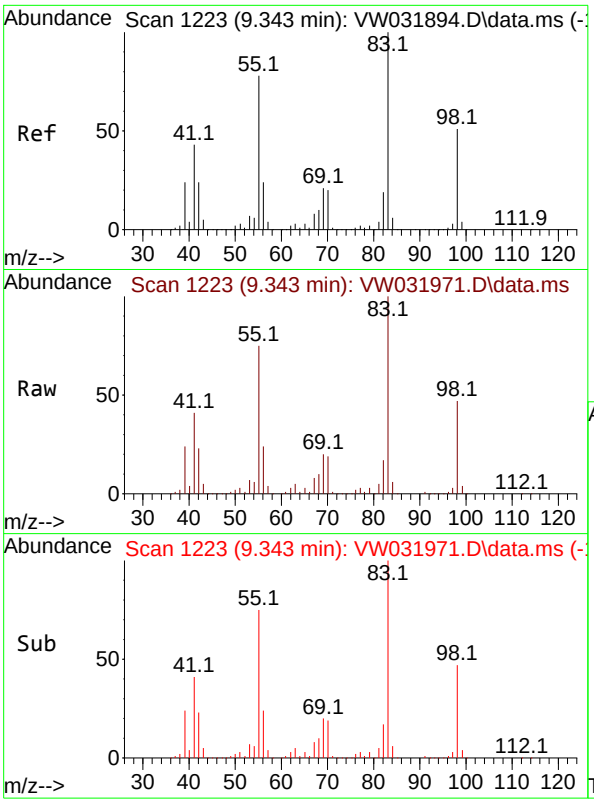


#38
Carbon Tetrachloride
Concen: 55.914 ug/l
RT: 8.075 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:117 Resp: 218047

Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.3	111.5
121	27.5	24.6	37.0



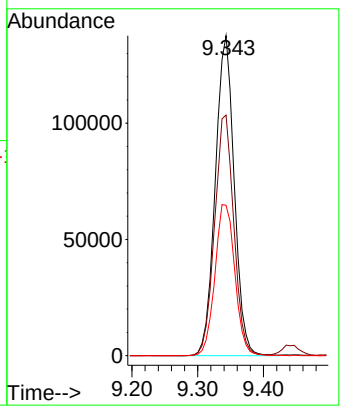


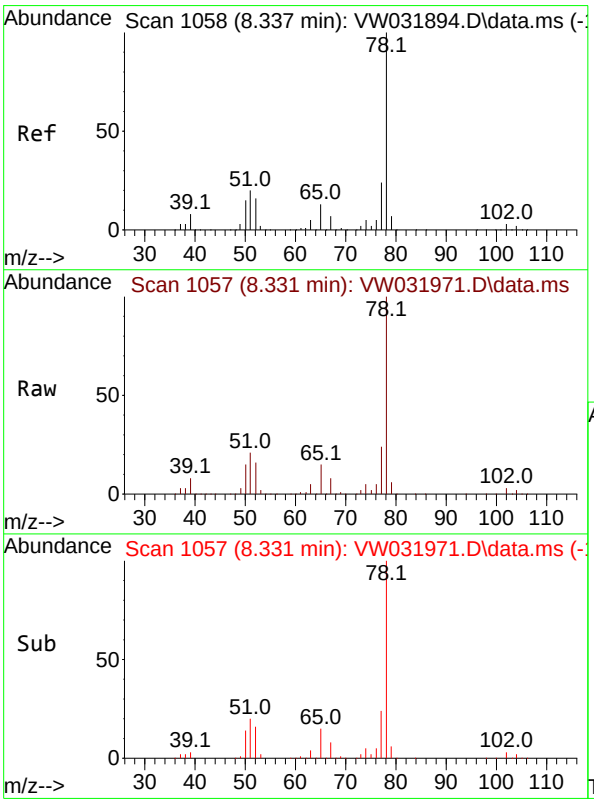
#39
Methylcyclohexane
Concen: 53.874 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 275493

Ion	Ratio	Lower	Upper
83	100		
55	75.2	62.5	93.7
98	47.0	40.6	61.0

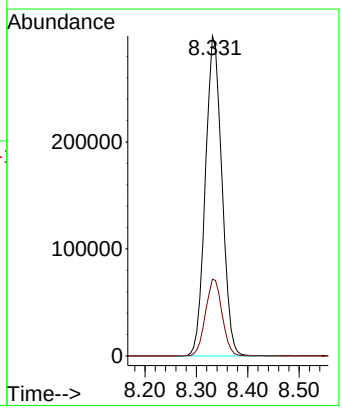


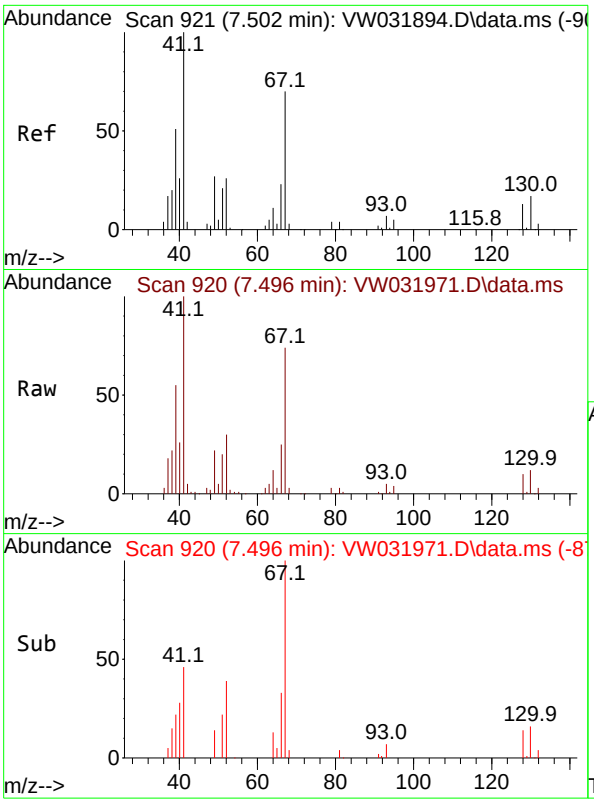


#40
Benzene
Concen: 55.601 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 78 Resp: 668793

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



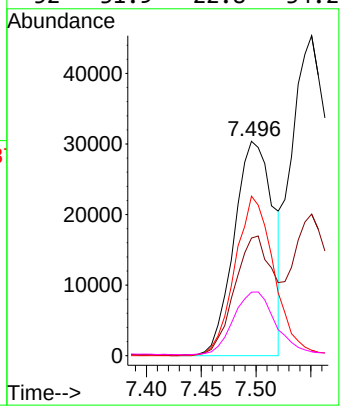


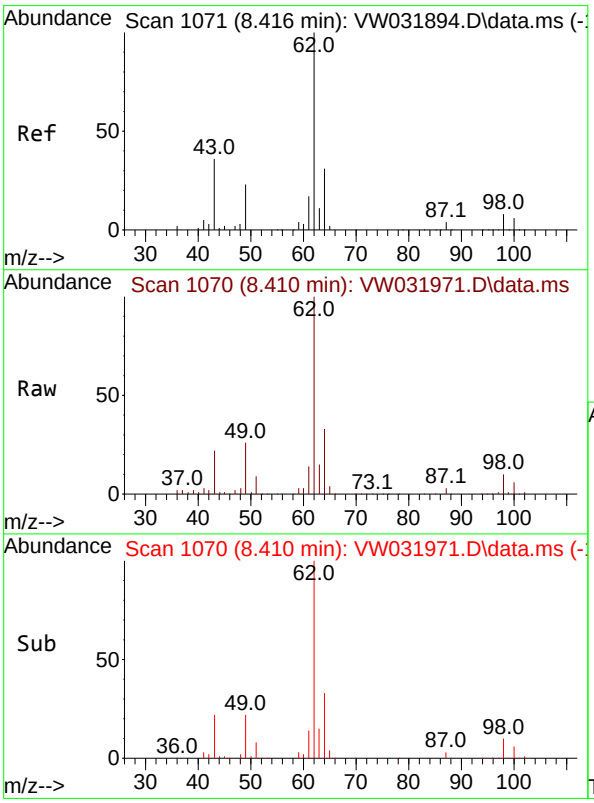
#41
Methacrylonitrile
Concen: 54.466 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 75577

Ion	Ratio	Lower	Upper
41	100		
39	54.1	41.1	61.7
67	74.9	56.2	84.4
52	31.9	22.8	34.2

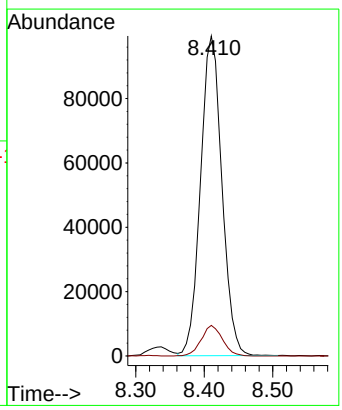


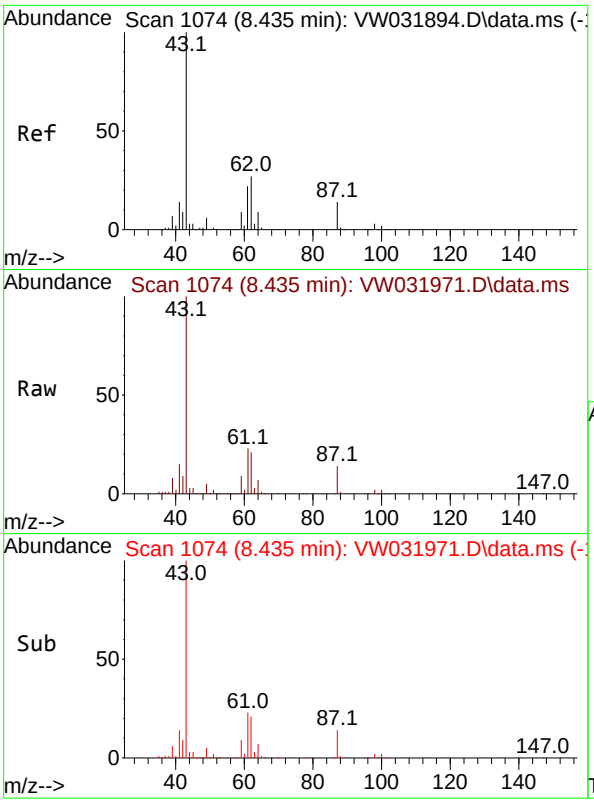


#42
1,2-Dichloroethane
Concen: 56.094 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 62 Resp: 215940

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



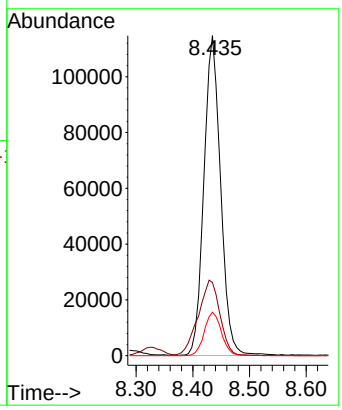


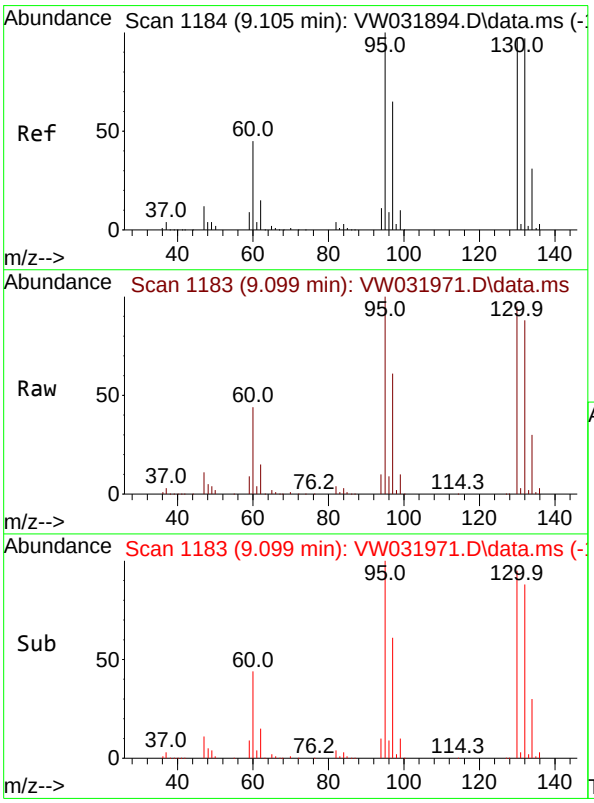
#43
Isopropyl Acetate
Concen: 56.007 ug/l
RT: 8.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 235025

Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.0	36.0
87	14.0	11.1	16.7

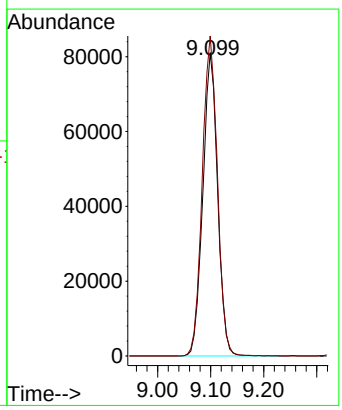


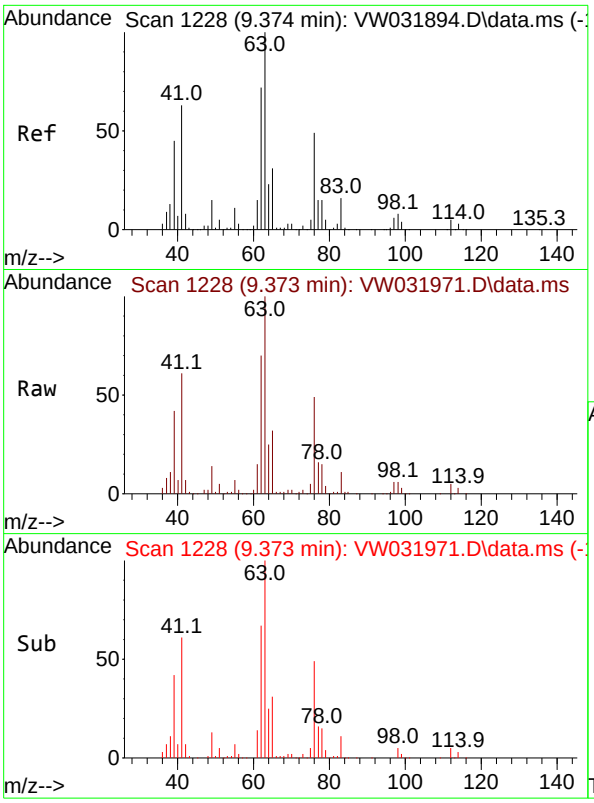


#44
Trichloroethene
Concen: 54.659 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:130 Resp: 156276

Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	206.4



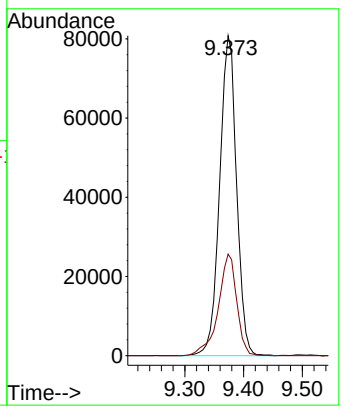


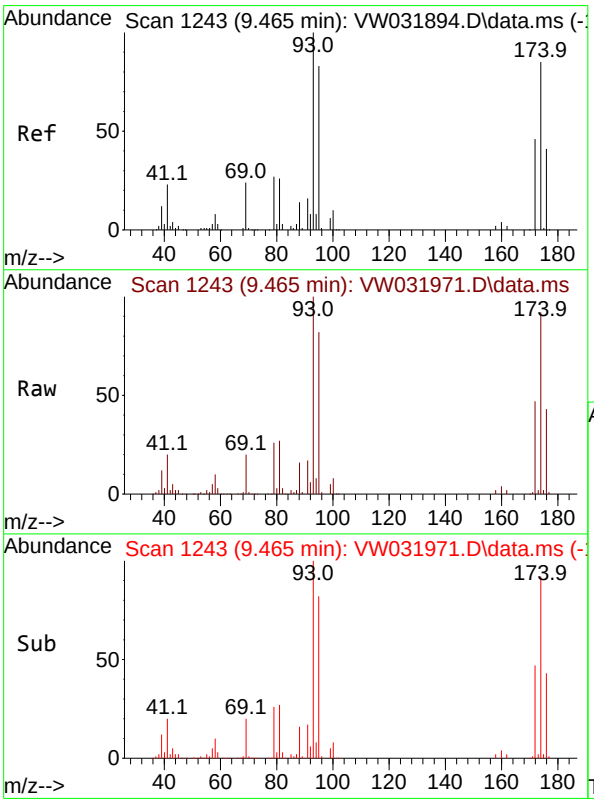
#45
1,2-Dichloropropane
Concen: 55.778 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 161580

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.0	37.4

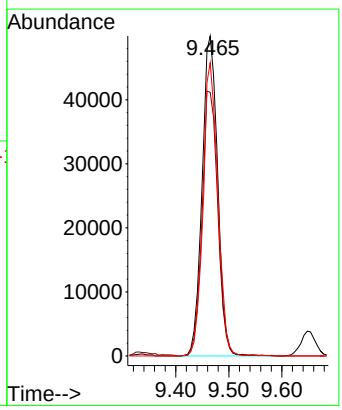


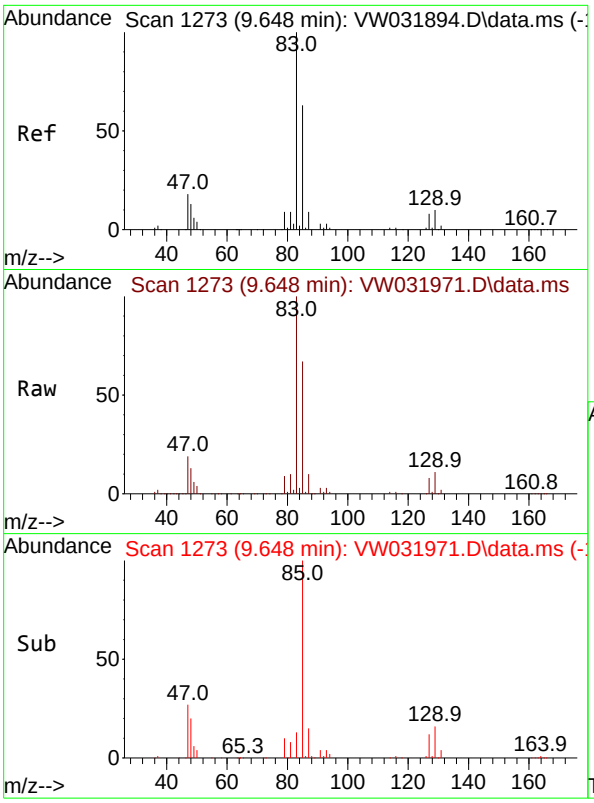


#46
Dibromomethane
Concen: 56.530 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 93 Resp: 101513

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.6
174	87.2	70.2	105.2



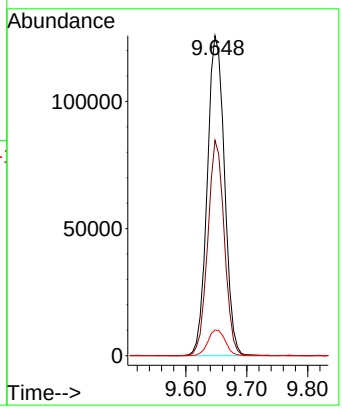


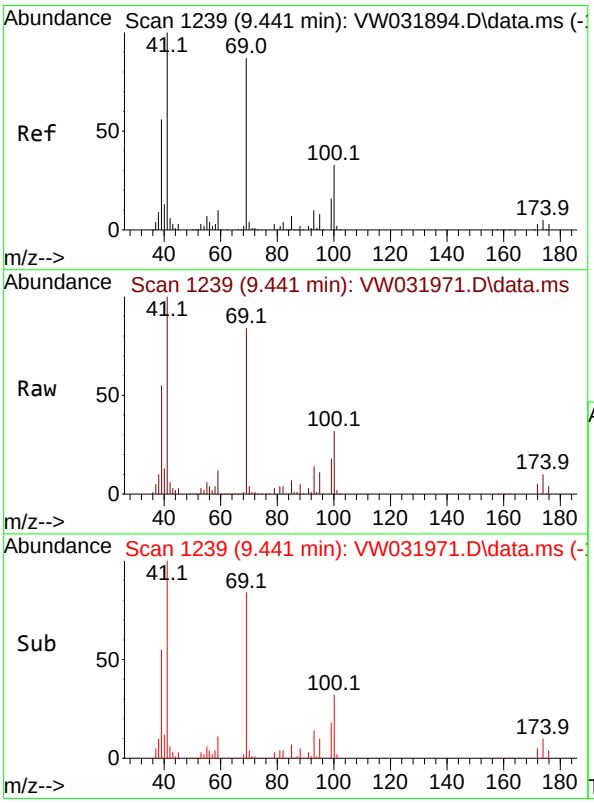
#47
Bromodichloromethane
Concen: 57.492 ug/l
RT: 9.648 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 247561

Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.6	76.0
127	8.0	6.5	9.7

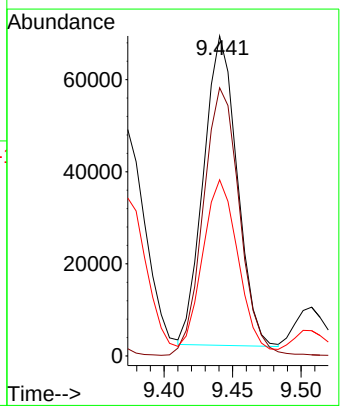


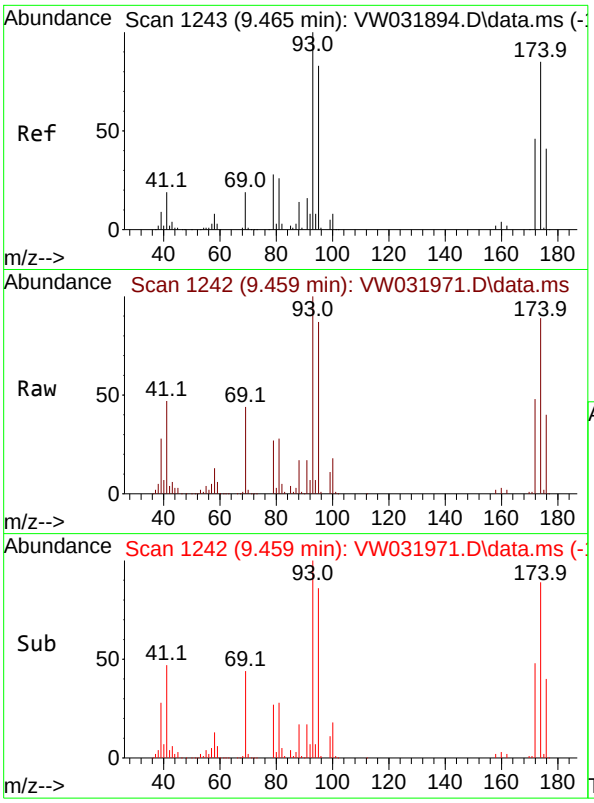


#48
Methyl methacrylate
Concen: 57.353 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 41 Resp: 114501

Ion	Ratio	Lower	Upper
41	100		
69	93.7	73.6	110.4
39	56.4	45.5	68.3



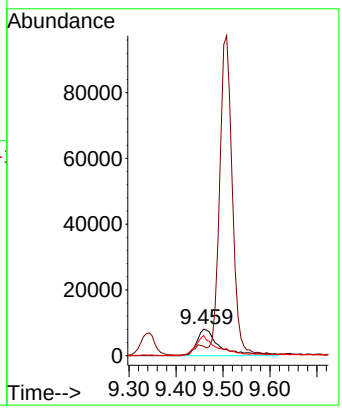


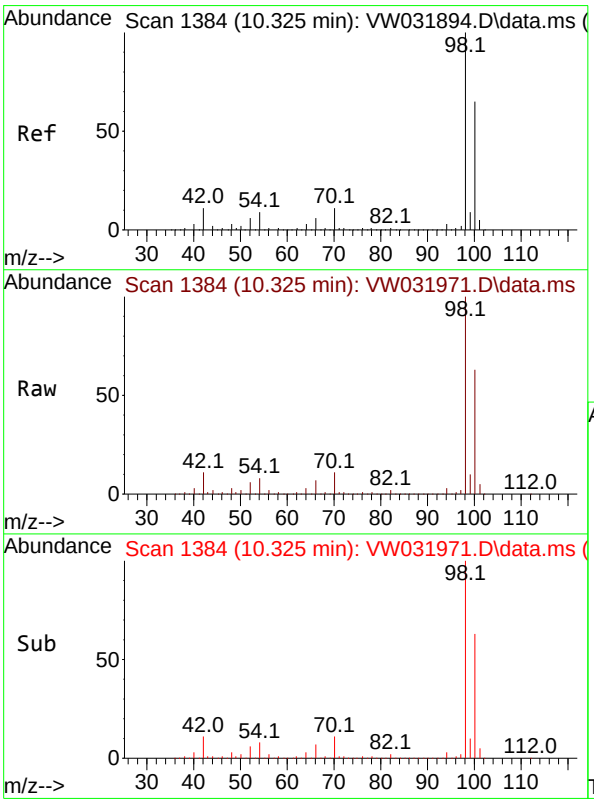
#49
1,4-Dioxane
Concen: 1520.227 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27240

Ion	Ratio	Lower	Upper
88	100		
43	21.4	19.0	28.4
58	70.0	58.2	87.2

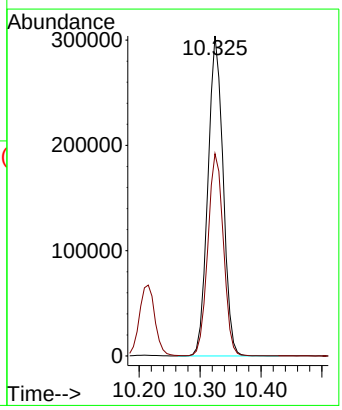


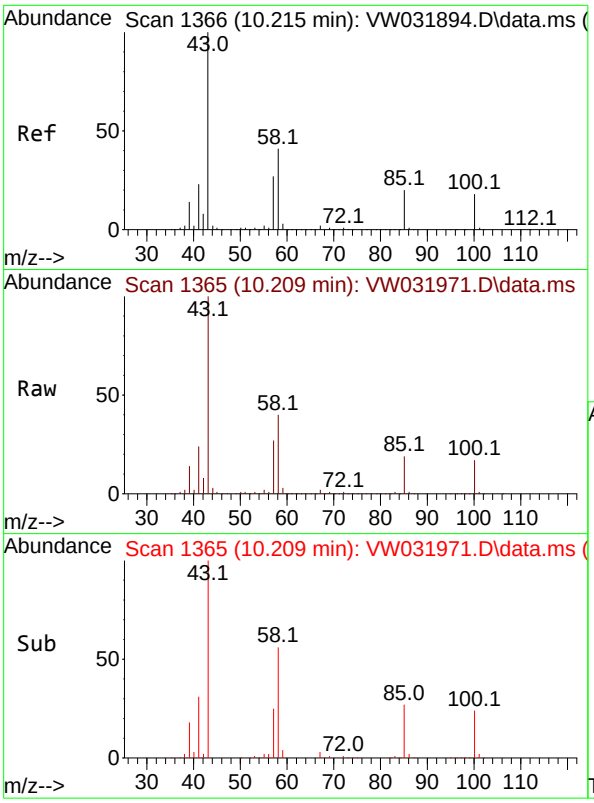


#50
Toluene-d8
Concen: 52.485 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 98 Resp: 525585

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5



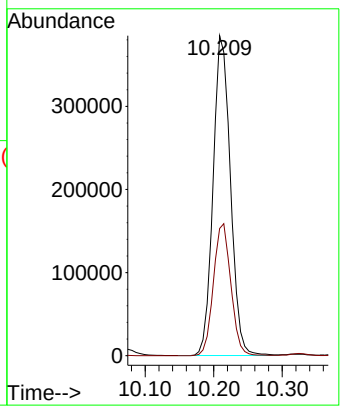


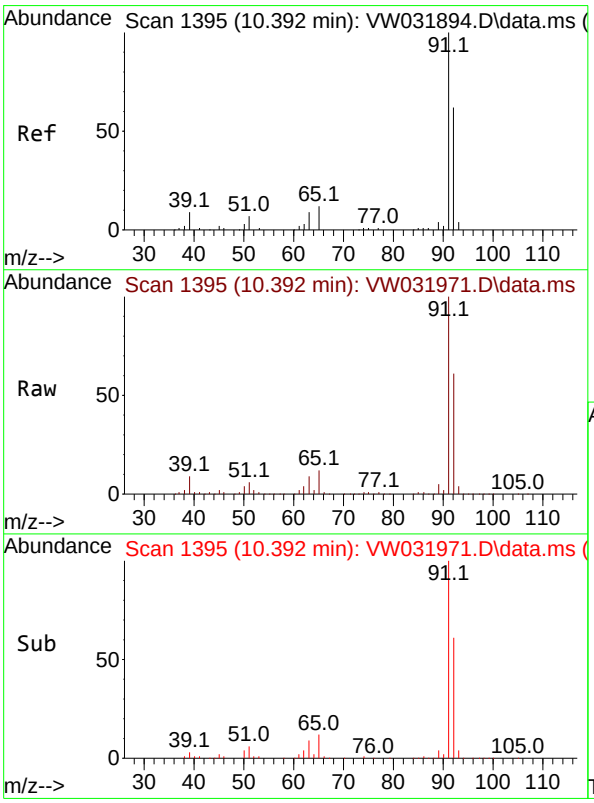
#51
4-Methyl-2-Pentanone
Concen: 294.645 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 676661

Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.8	49.2

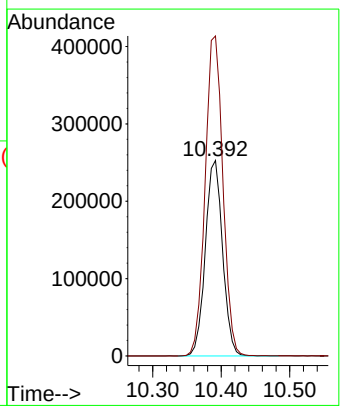


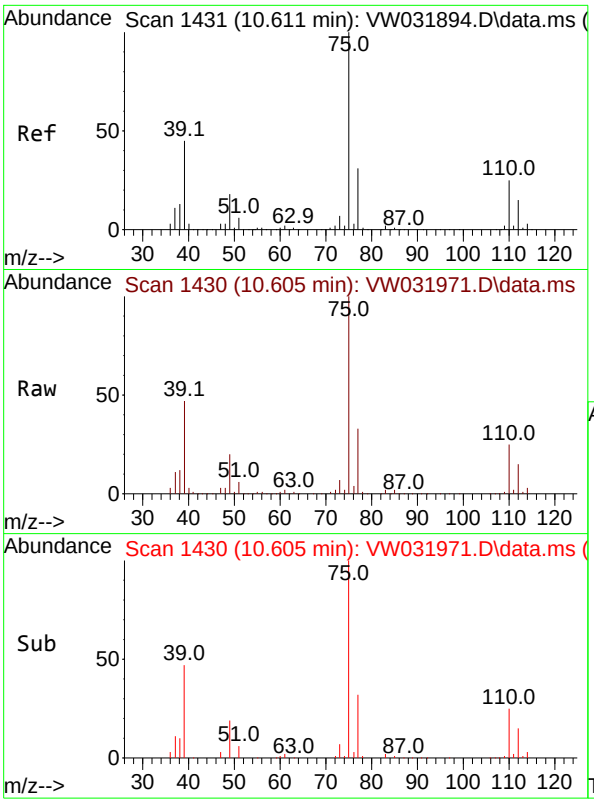


#52
Toluene
Concen: 57.118 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 92 Resp: 441658

Ion	Ratio	Lower	Upper
92	100		
91	168.8	133.7	200.5



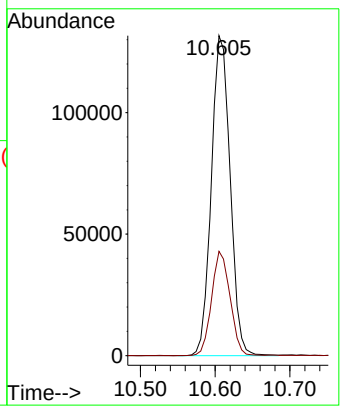


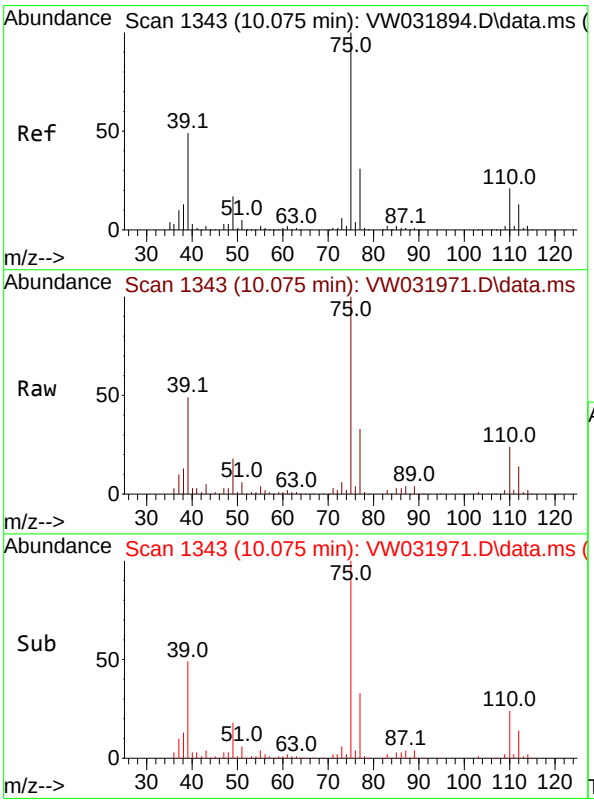
#53
t-1,3-Dichloropropene
Concen: 55.788 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 230434

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8

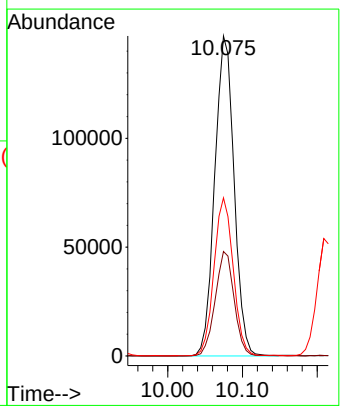


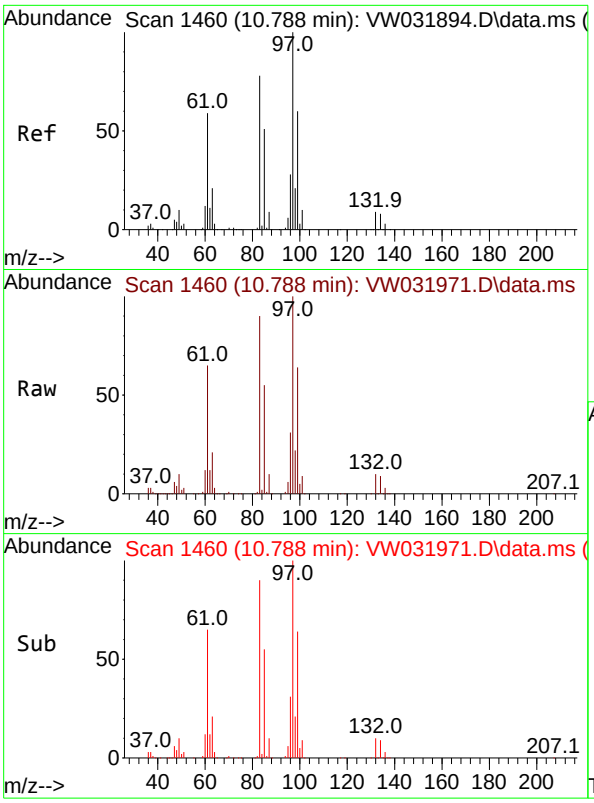


#54
cis-1,3-Dichloropropene
Concen: 56.169 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 264955

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	49.3	39.3	58.9



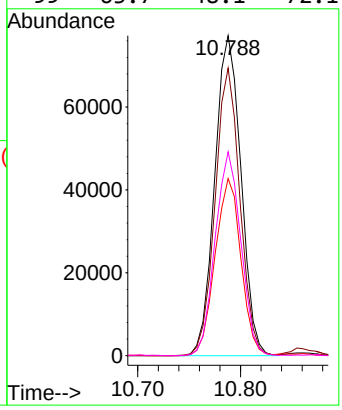


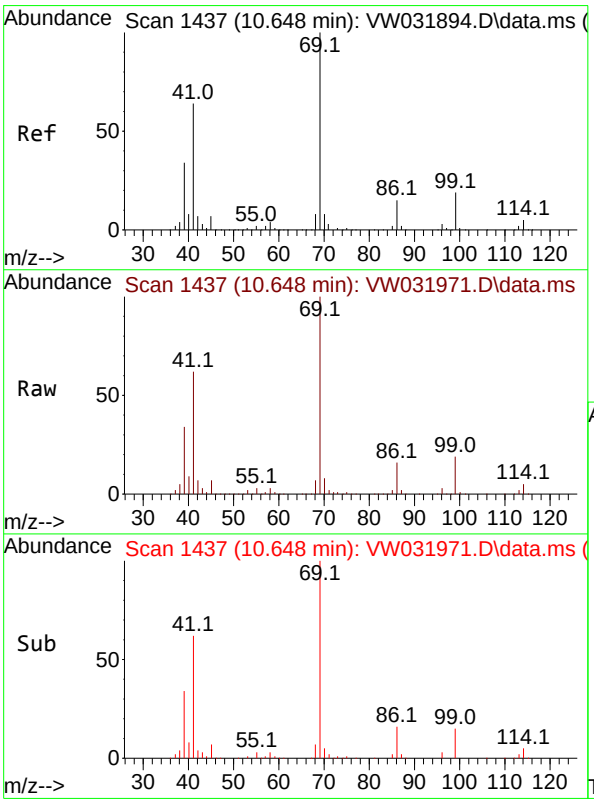
#55
1,1,2-Trichloroethane
Concen: 57.413 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 136947

Ion	Ratio	Lower	Upper
97	100		
83	89.7	62.4	93.6
85	55.3	41.0	61.6
99	63.7	48.1	72.1

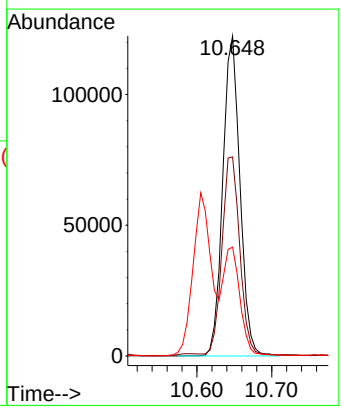


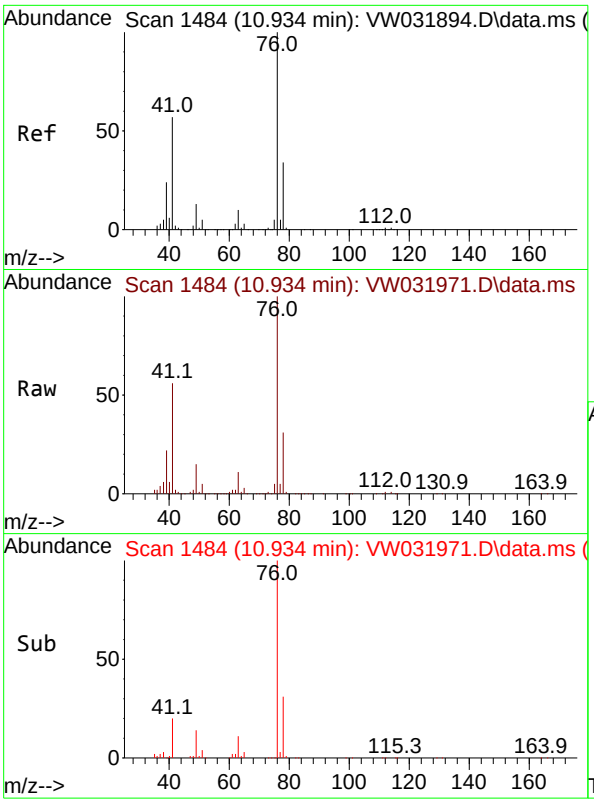


#56
Ethyl methacrylate
Concen: 58.234 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 69 Resp: 196180

Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.0	78.0
39	32.4	26.6	40.0



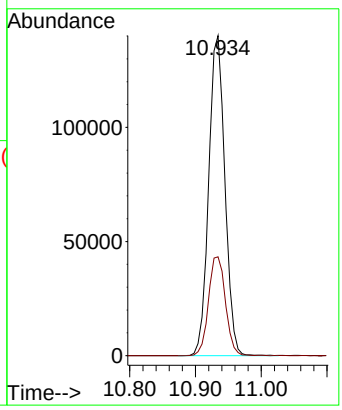


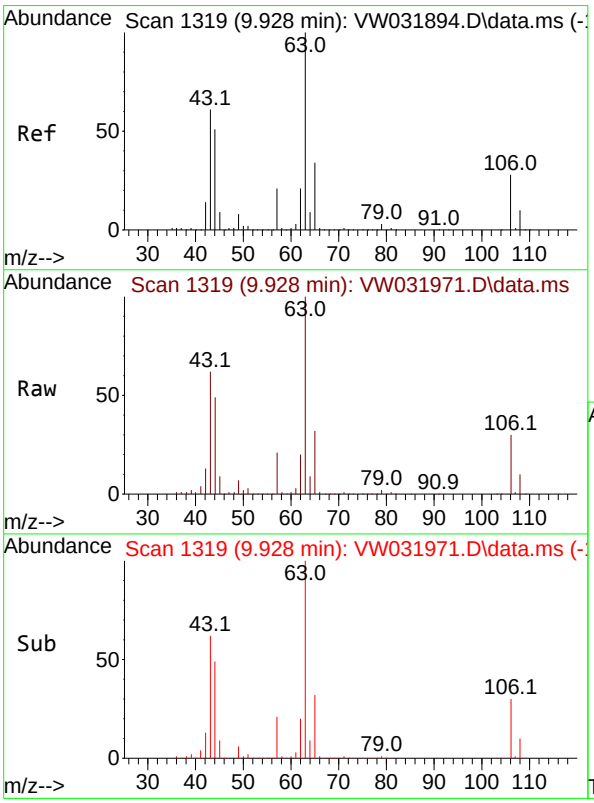
#57
1,3-Dichloropropane
Concen: 57.096 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 239932

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

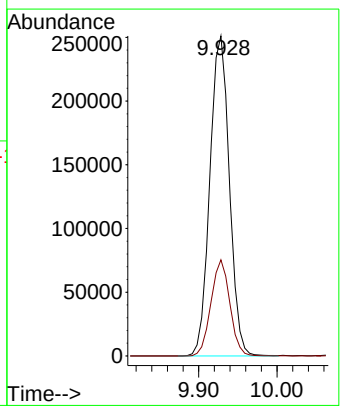


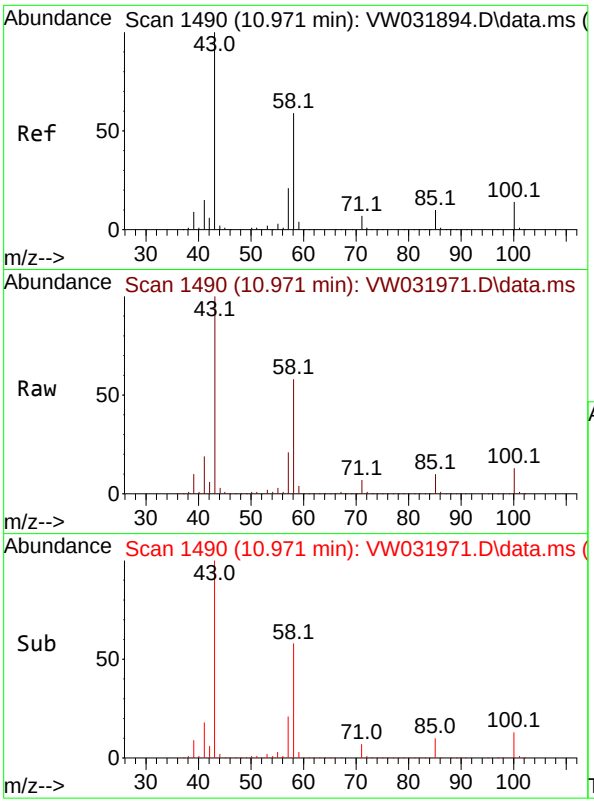


#58
2-Chloroethyl Vinyl ether
Concen: 251.017 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 63 Resp: 434358

Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1



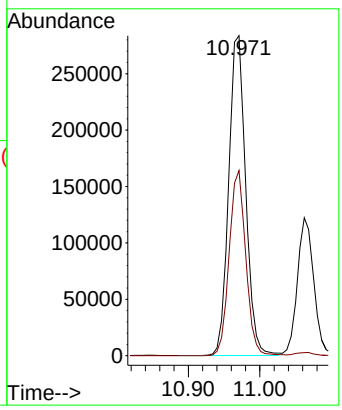


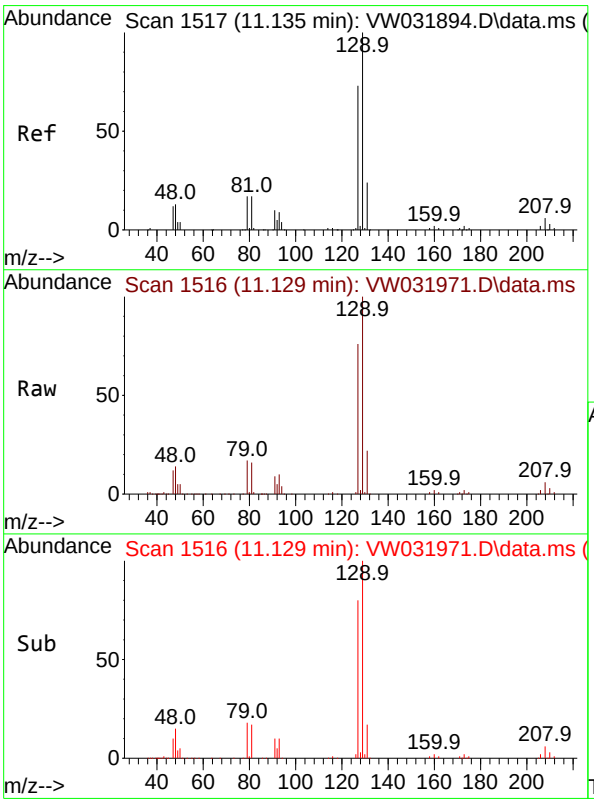
#59
2-Hexanone
Concen: 293.457 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 468449

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.5	85.6

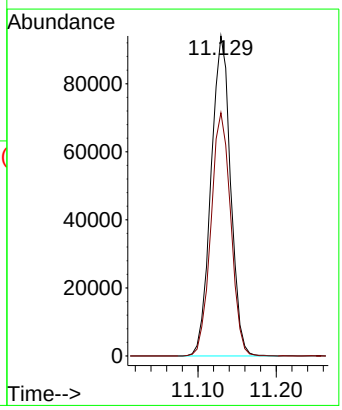


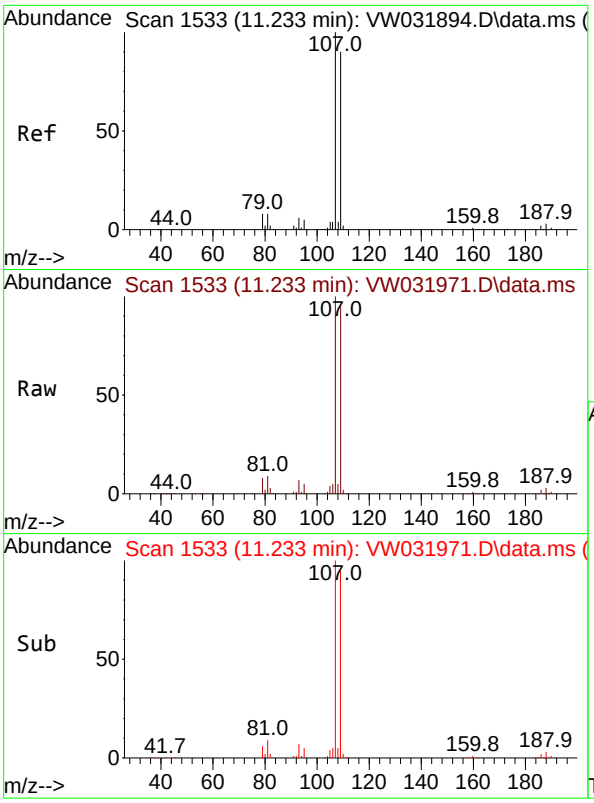


#60
Dibromochloromethane
Concen: 58.688 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:129 Resp: 163216

Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.6	118.8



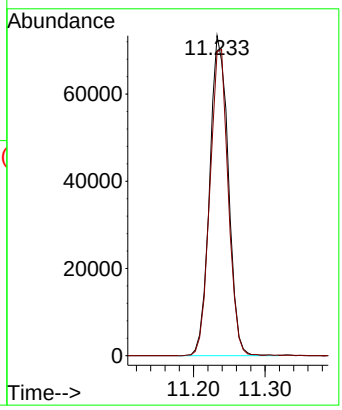


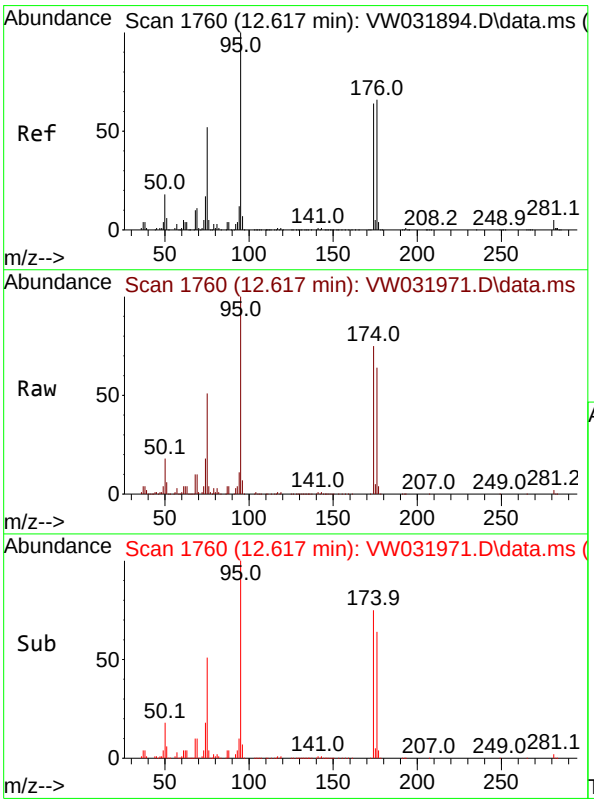
#61
1,2-Dibromoethane
Concen: 56.140 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 132321

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.4

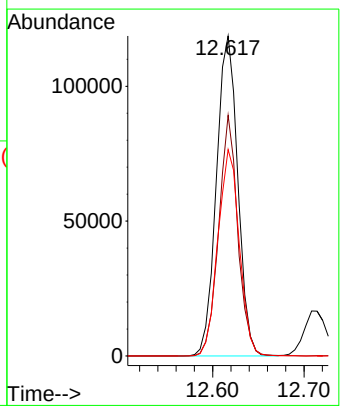


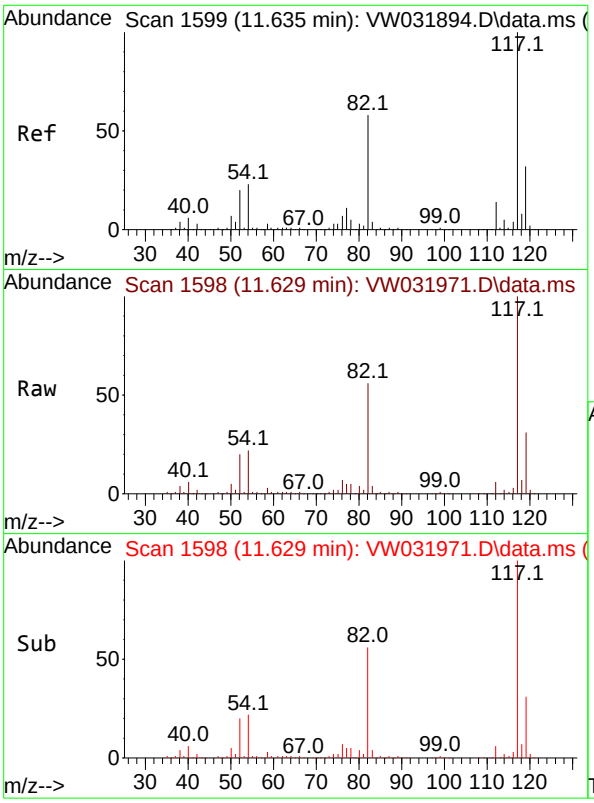


#62
4-Bromofluorobenzene
Concen: 50.153 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 95 Resp: 192848

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	129.8
176	64.7	0.0	130.4



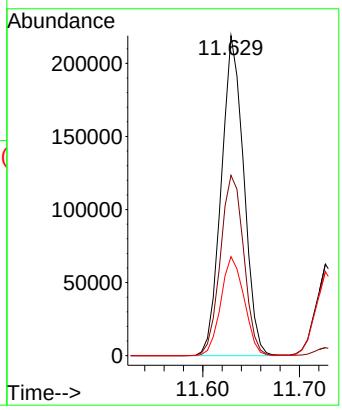


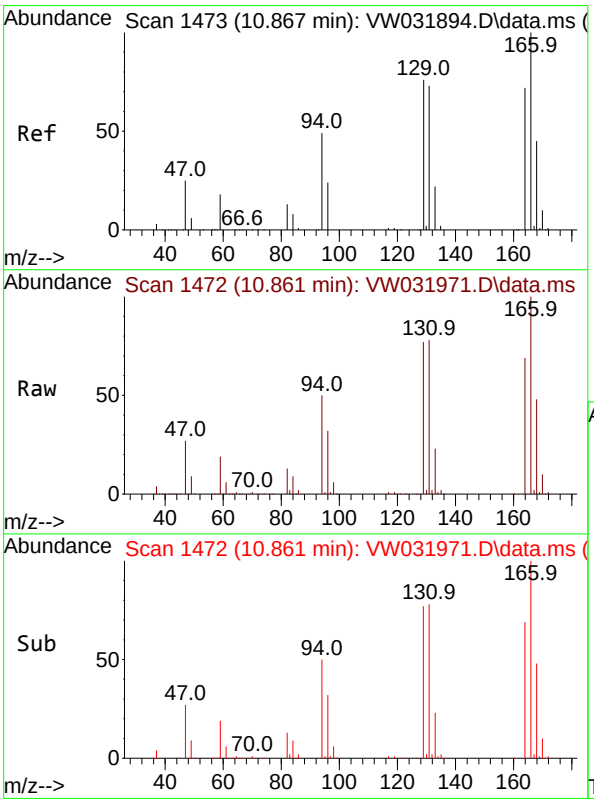
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 352859

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.5	69.7
119	30.9	25.8	38.6

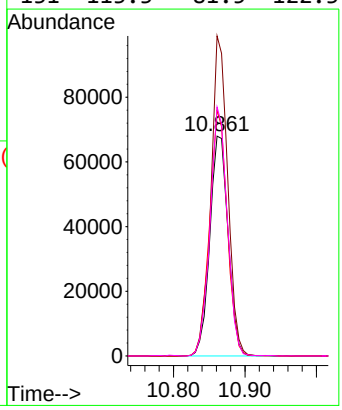


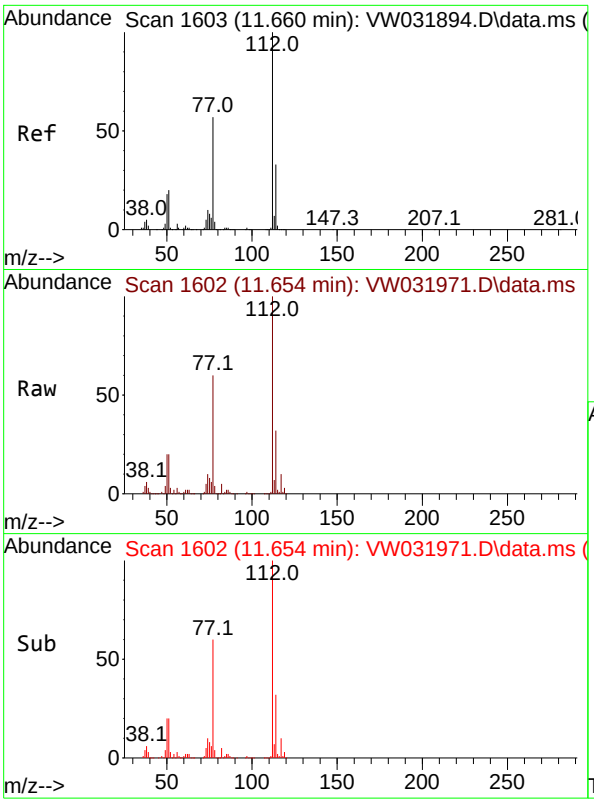


#64
Tetrachloroethene
Concen: 51.855 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:164 Resp: 120637

Ion	Ratio	Lower	Upper
164	100		
166	145.5	111.5	167.3
129	111.9	85.1	127.7
131	113.3	81.5	122.3



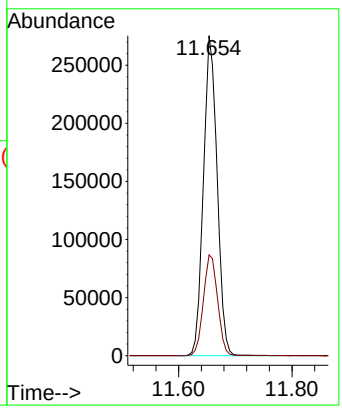


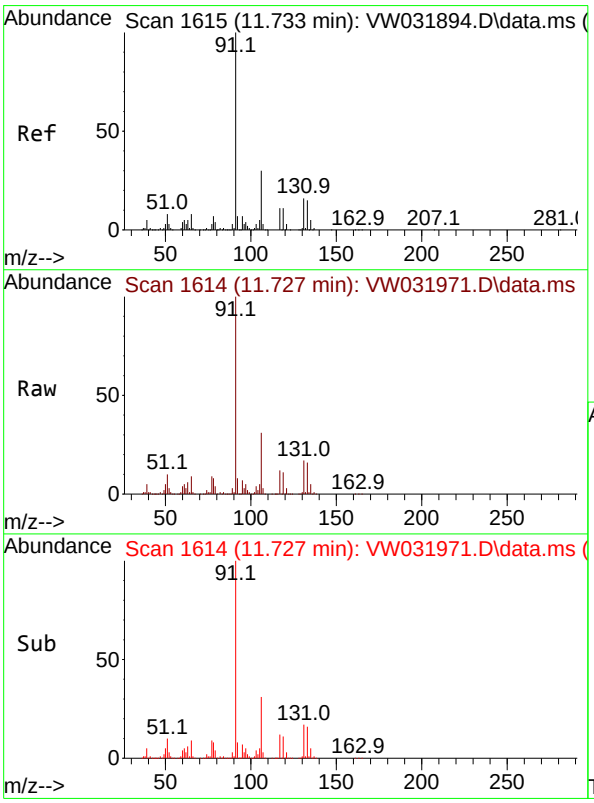
#65
Chlorobenzene
Concen: 53.387 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 461052

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.2	39.2

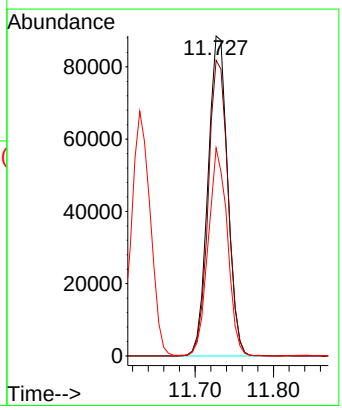


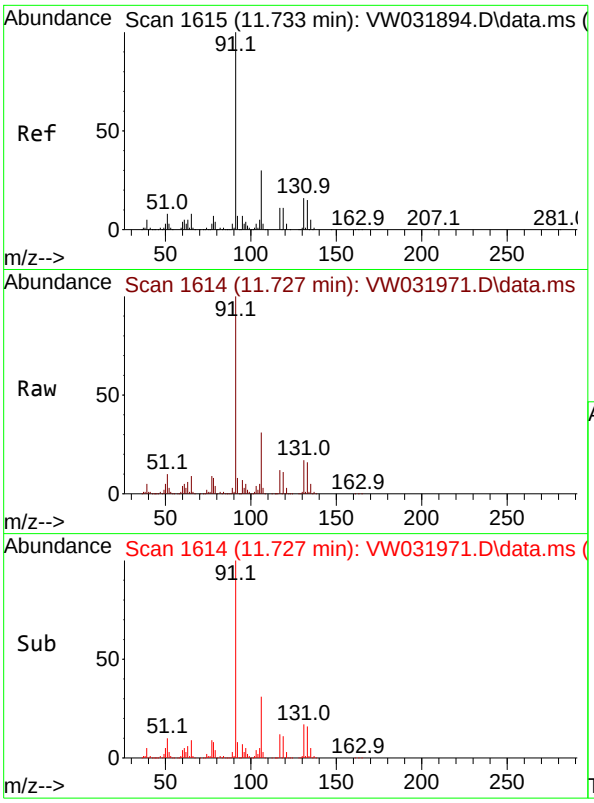


#66
1,1,1,2-Tetrachloroethane
Concen: 57.521 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:131 Resp: 154000

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.1	144.4
119	63.6	33.7	101.1



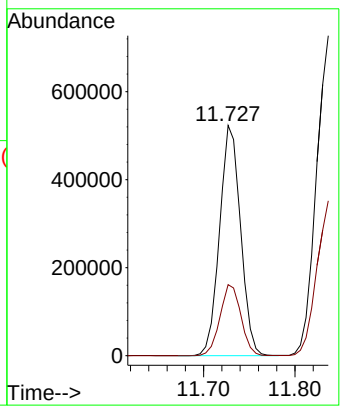


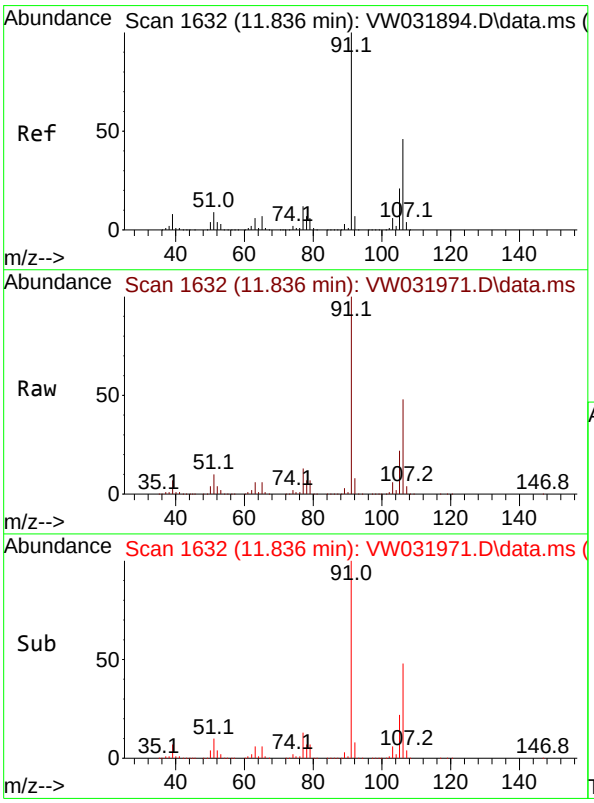
#67
Ethyl Benzene
Concen: 55.092 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 835941

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6

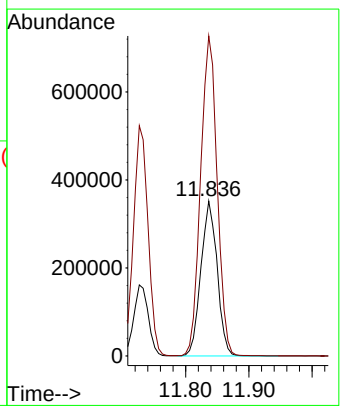


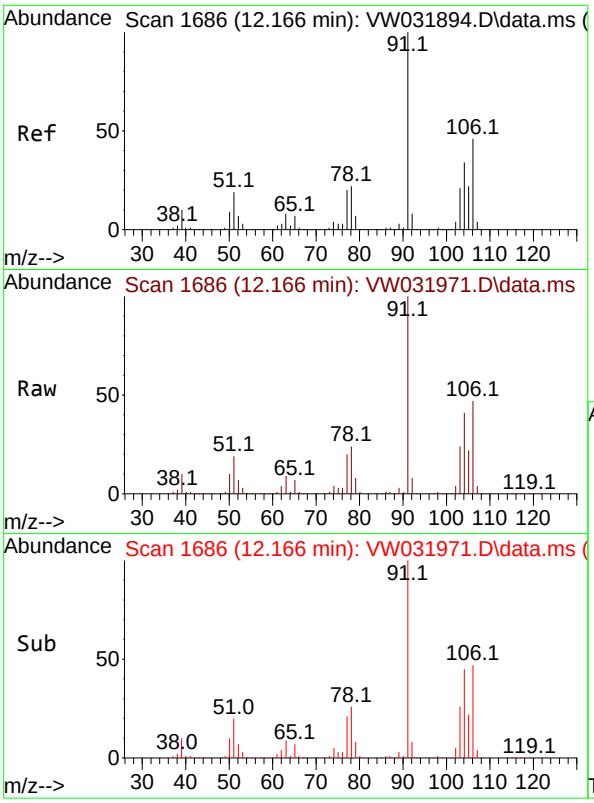


#68
m/p-Xylenes
Concen: 110.164 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:106 Resp: 629273

Ion	Ratio	Lower	Upper
106	100		
91	210.7	167.7	251.5



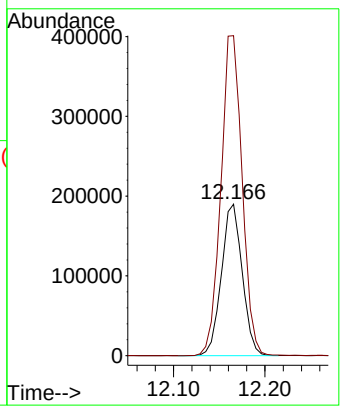


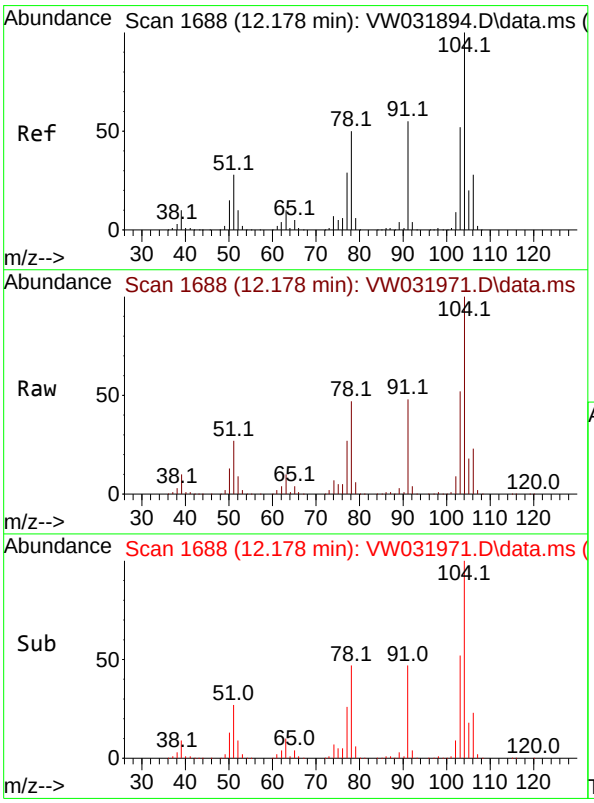
#69
o-Xylene
Concen: 55.646 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 300812

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.2	324.6

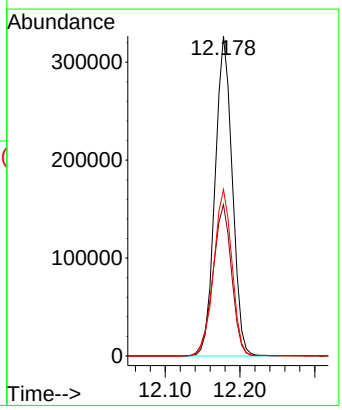


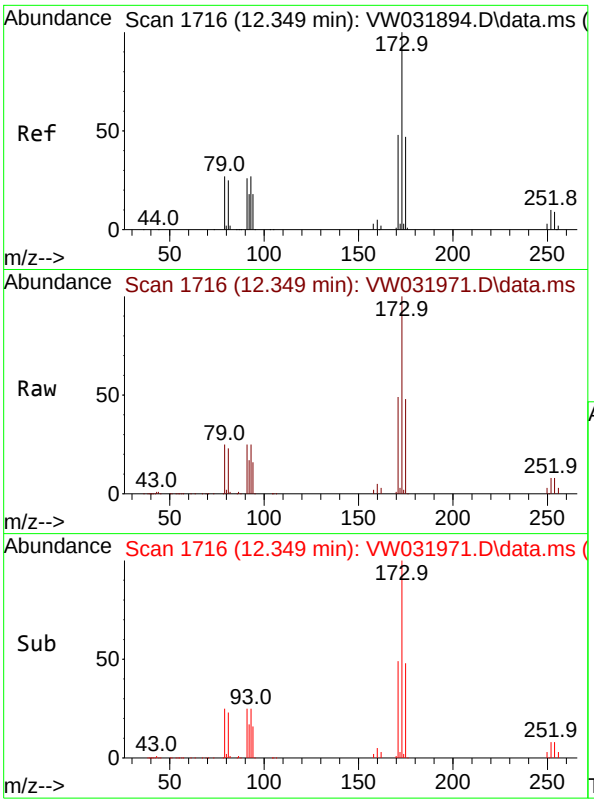


#70
Styrene
Concen: 57.041 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:104 Resp: 524997

Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.2	63.4
103	55.2	42.8	64.2



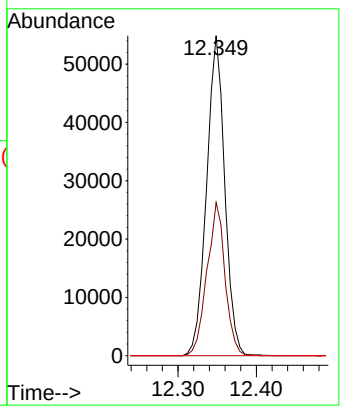


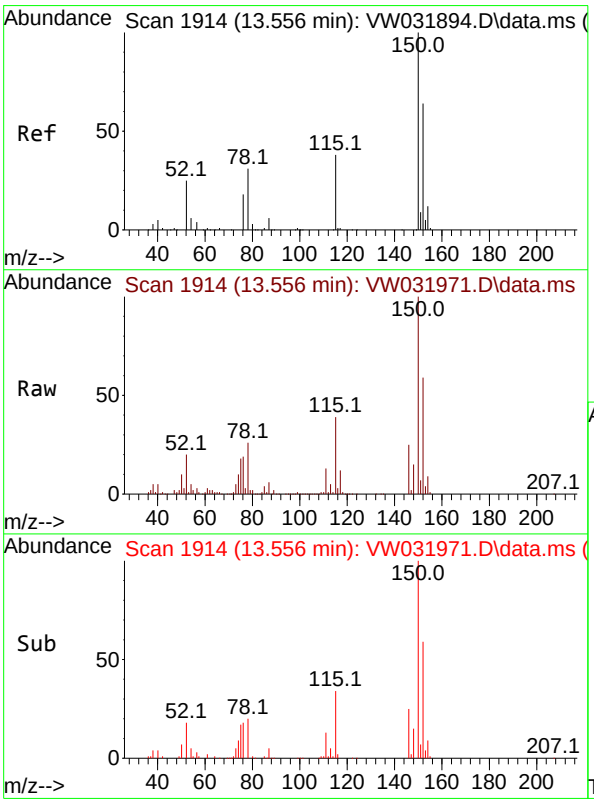
#71
Bromoform
Concen: 60.255 ug/l
RT: 12.349 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 88226

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.5	73.5
254	0.0	0.2	0.2#

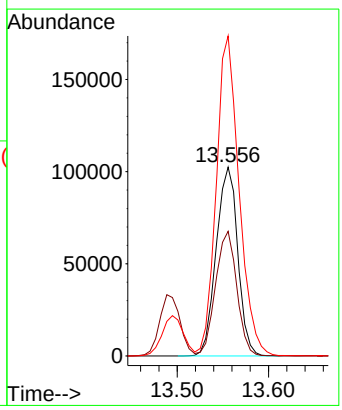


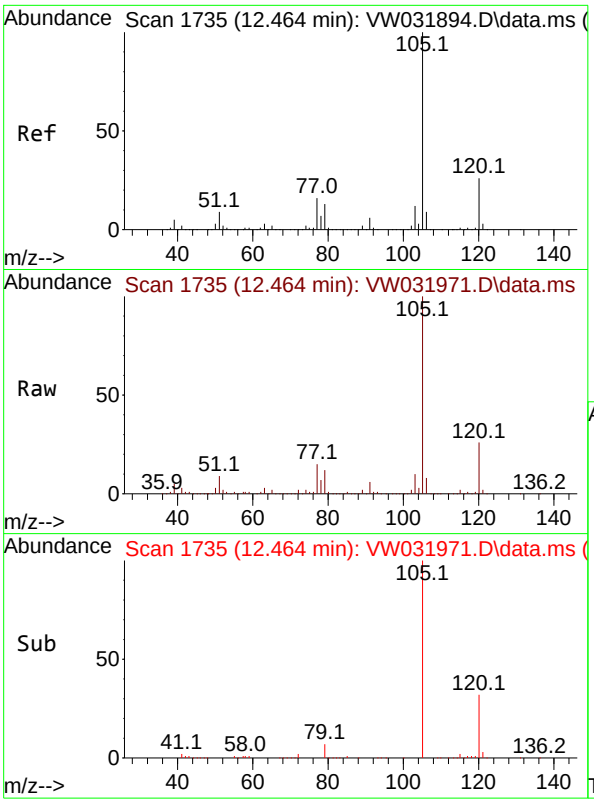


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:152 Resp: 168273

Ion	Ratio	Lower	Upper
152	100		
115	65.2	33.4	100.1
150	179.1	0.0	352.2



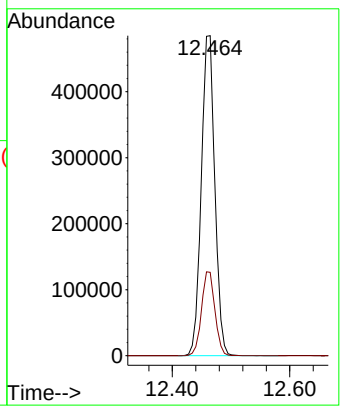


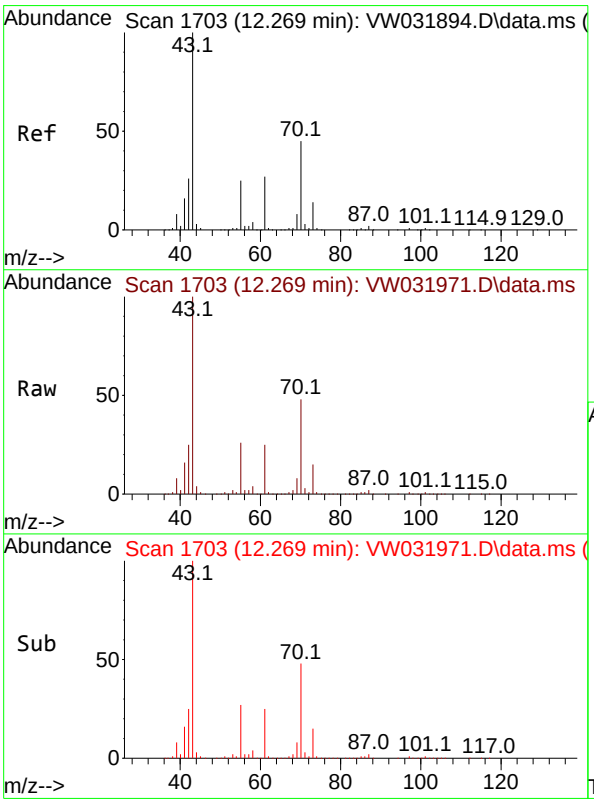
#73
Isopropylbenzene
Concen: 53.083 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 775034

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8

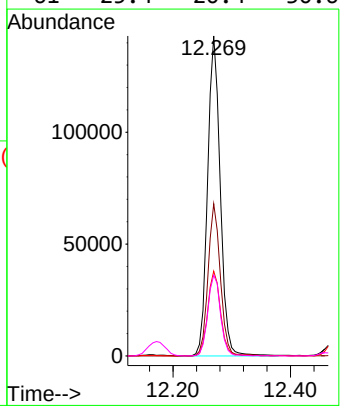


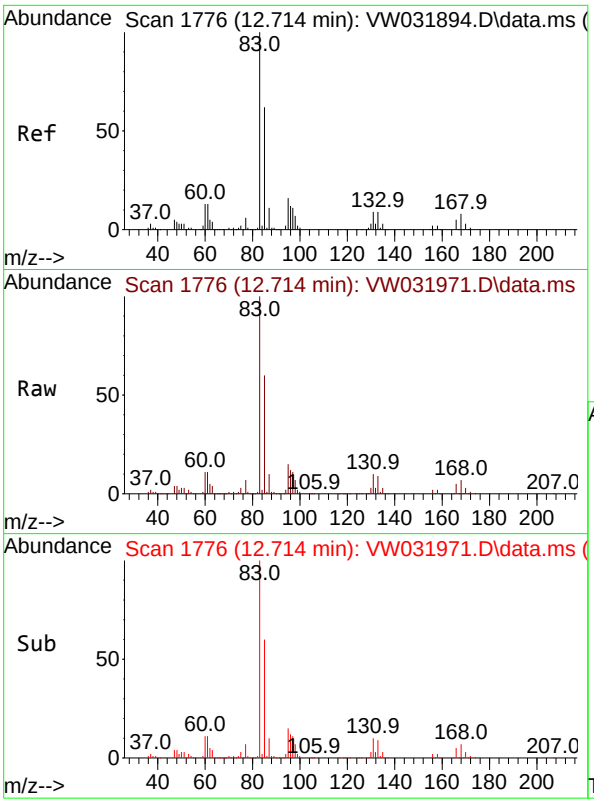


#74
N-amyl acetate
Concen: 54.340 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 43 Resp: 214488

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	27.0	20.7	31.1
61	25.4	20.4	30.6



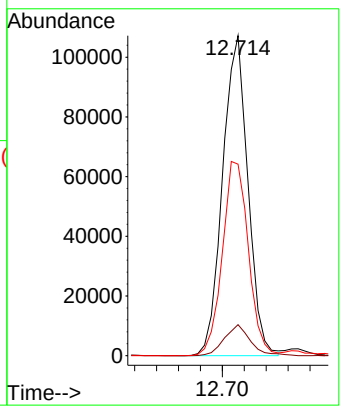


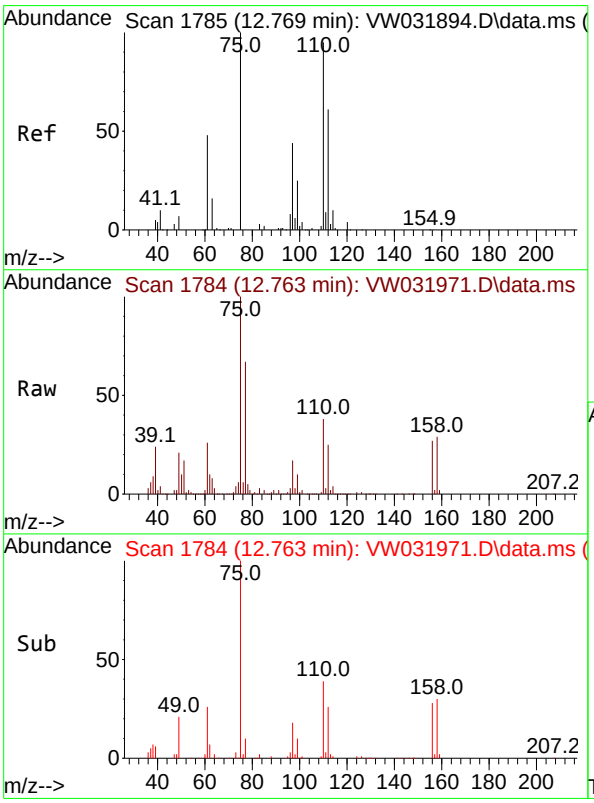
#75
1,1,2,2-Tetrachloroethane
Concen: 55.405 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 171707

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	62.5	31.8	95.3

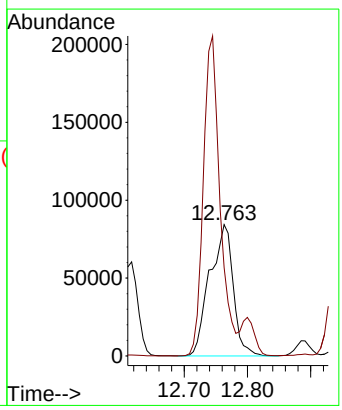


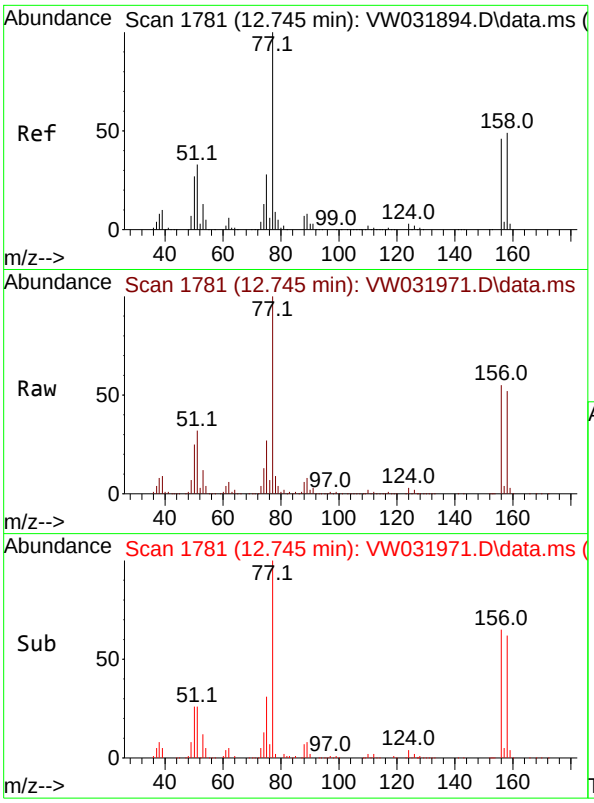


#76
1,2,3-Trichloropropane
Concen: 93.201 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 216530

Ion	Ratio	Lower	Upper
75	100		
77	173.7	0.0	0.0#



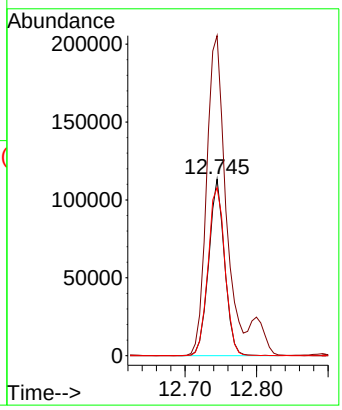


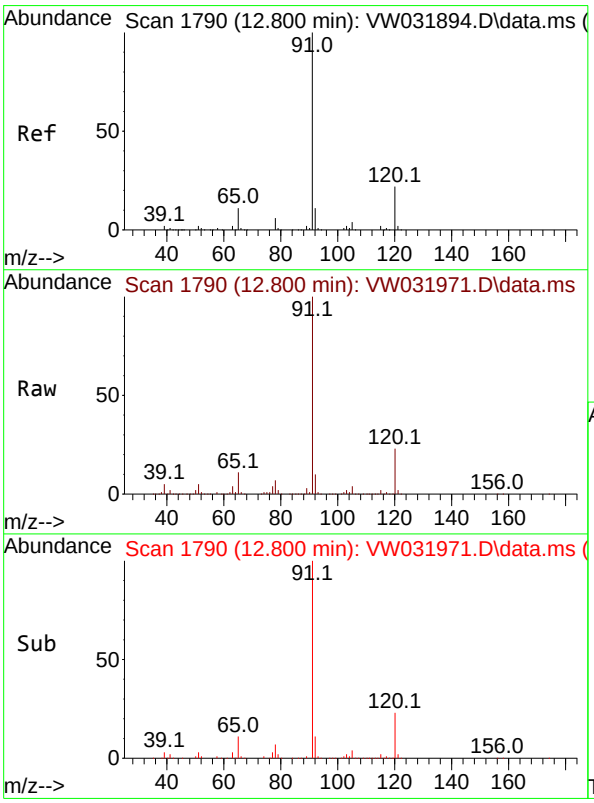
#77
Bromobenzene
Concen: 55.328 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 174785

Ion	Ratio	Lower	Upper
156	100		
77	215.2	115.3	345.8
158	101.7	50.1	150.3

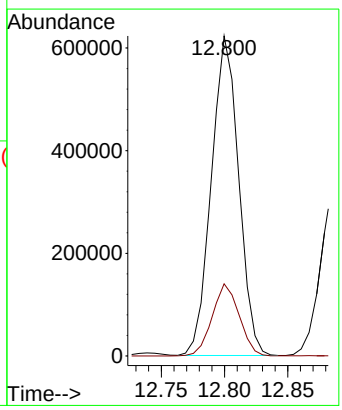


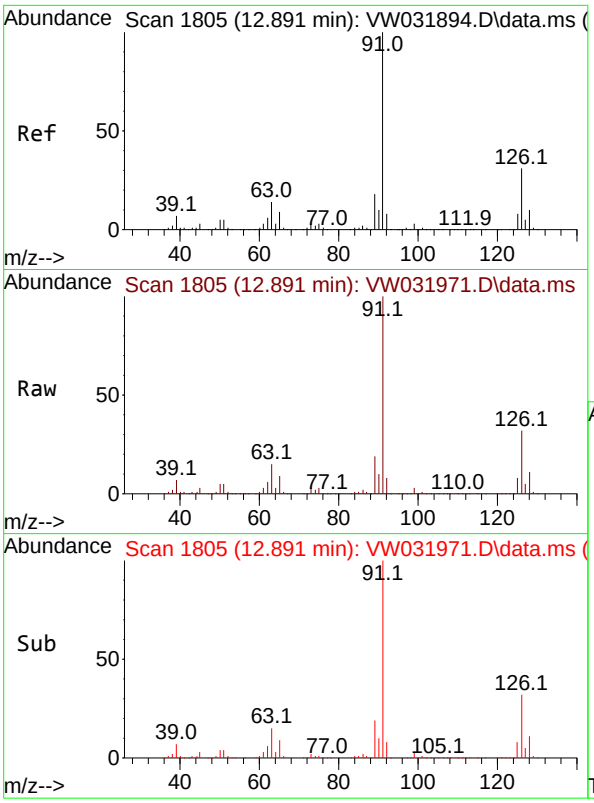


#78
n-propylbenzene
Concen: 52.211 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 91 Resp: 936246

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.9	32.6



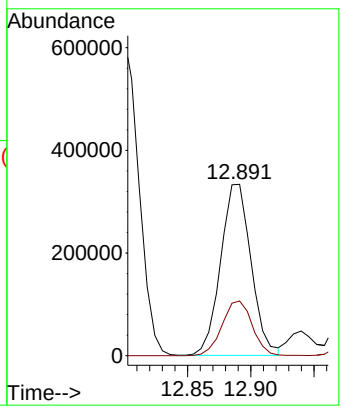


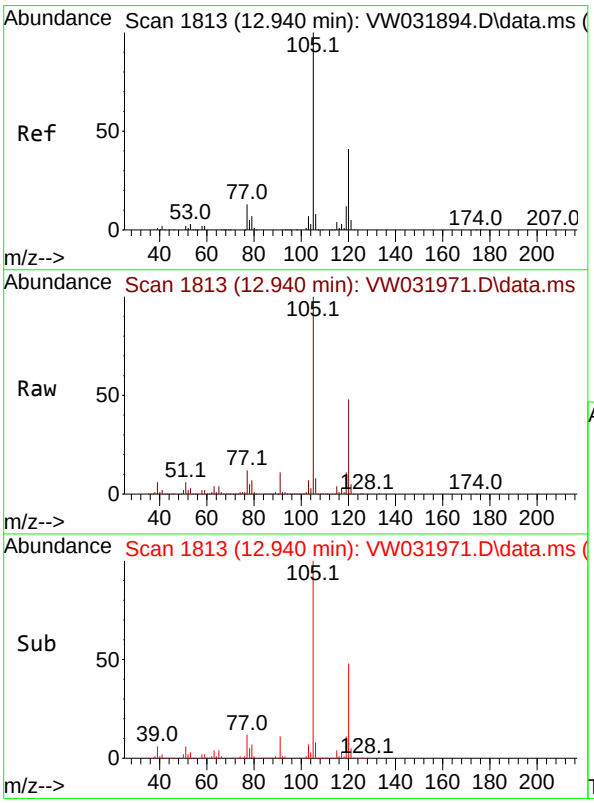
#79
2-Chlorotoluene
Concen: 52.311 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 560072

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8

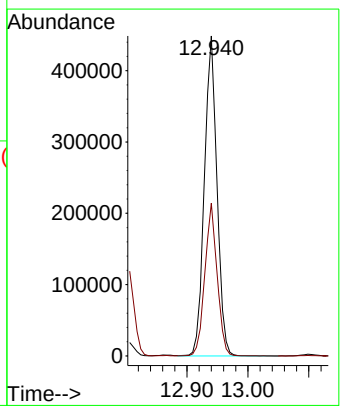


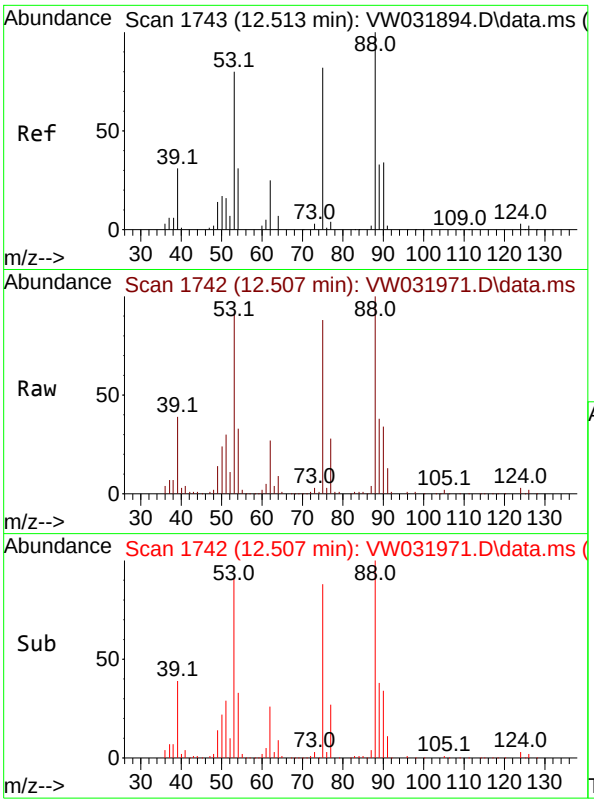


#80
1,3,5-Trimethylbenzene
Concen: 52.683 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 645113

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5



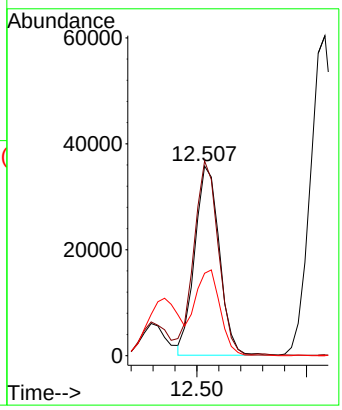


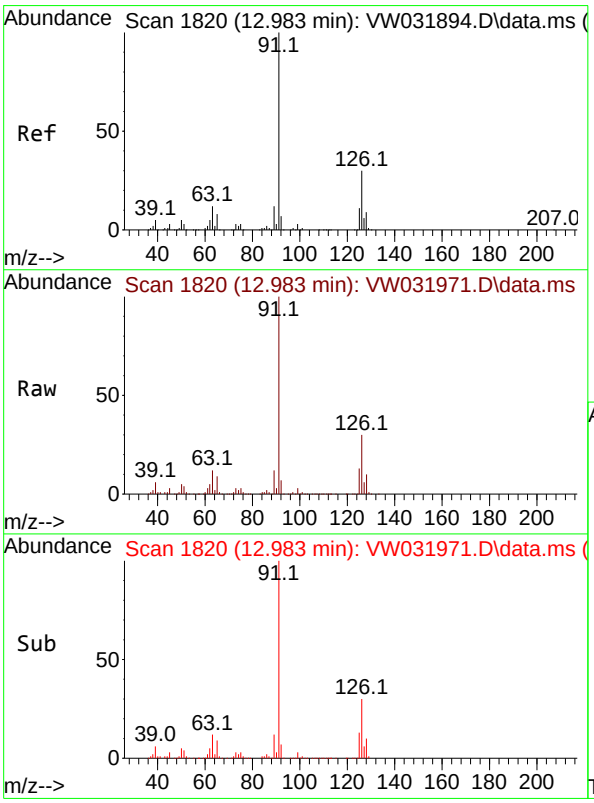
#81
trans-1,4-Dichloro-2-butene
Concen: 55.201 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 55549

Ion	Ratio	Lower	Upper
75	100		
53	103.3	83.7	125.5
89	46.8	39.0	58.6

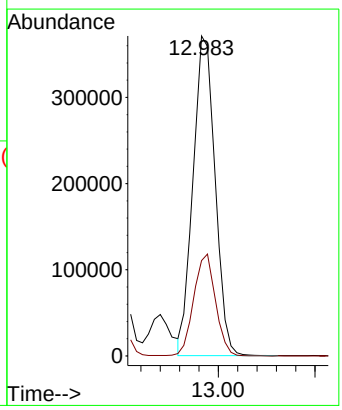


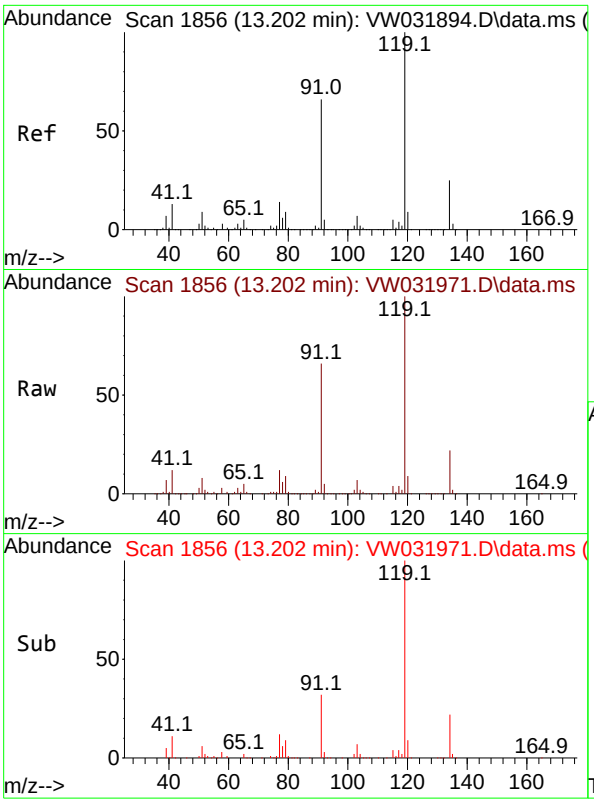


#82
4-Chlorotoluene
Concen: 52.442 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 91 Resp: 589037

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3



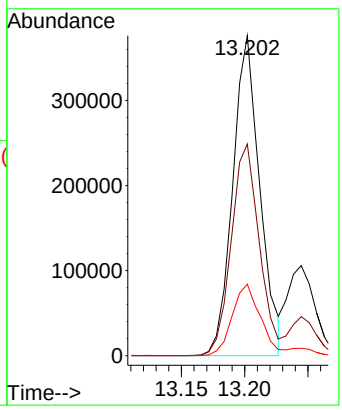


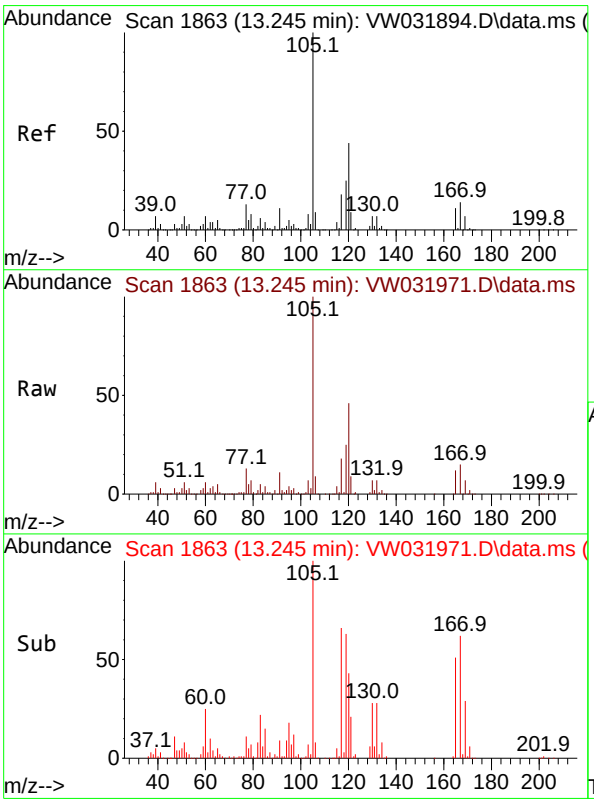
#83
tert-Butylbenzene
Concen: 53.787 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 561026

Ion	Ratio	Lower	Upper
119	100		
91	68.2	35.5	106.5
134	23.4	12.4	37.0

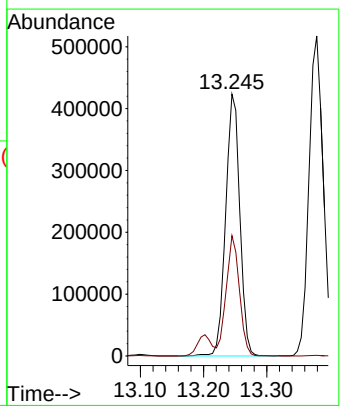


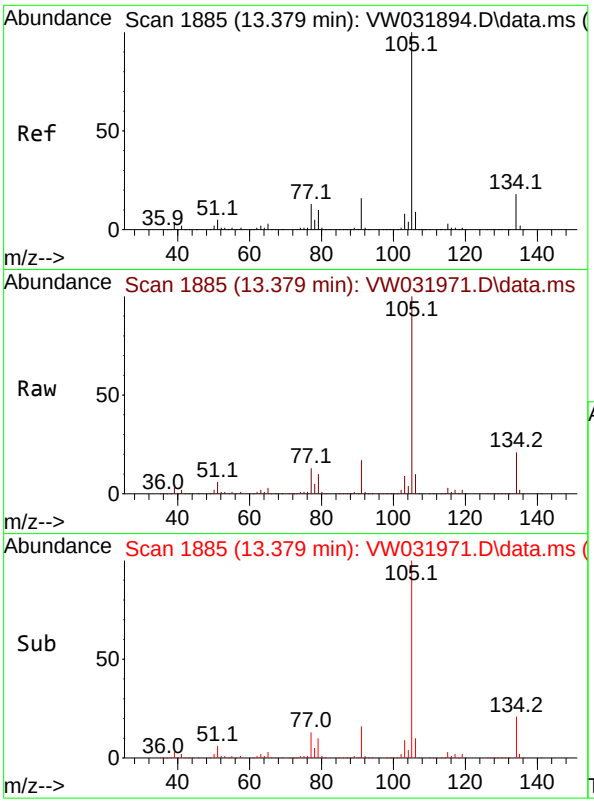


#84
1,2,4-Trimethylbenzene
Concen: 53.090 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:105 Resp: 658001

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.3	63.9



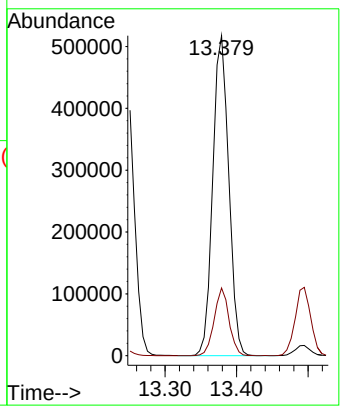


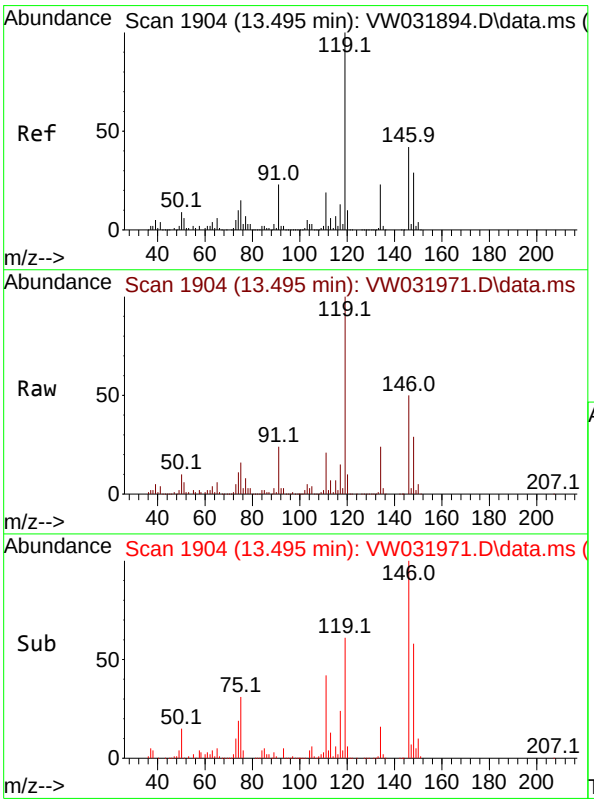
#85
sec-Butylbenzene
Concen: 51.317 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 803827

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.2	27.6

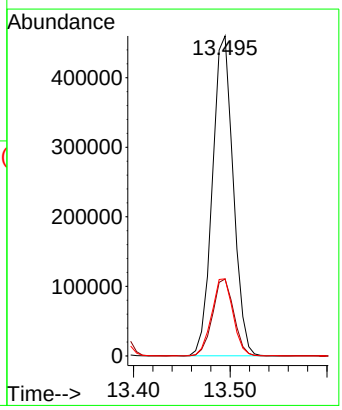


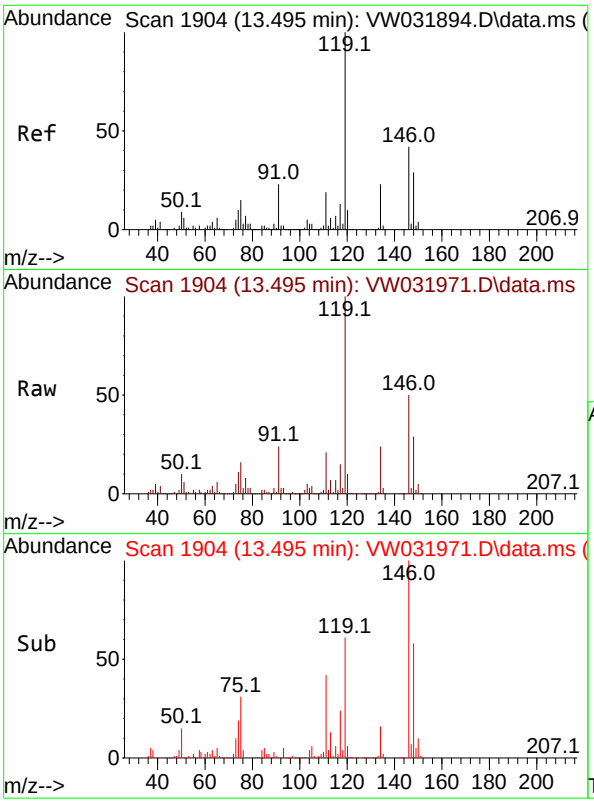


#86
p-Isopropyltoluene
Concen: 52.921 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:119 Resp: 685162

Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.0	39.0
91	24.6	12.7	38.1



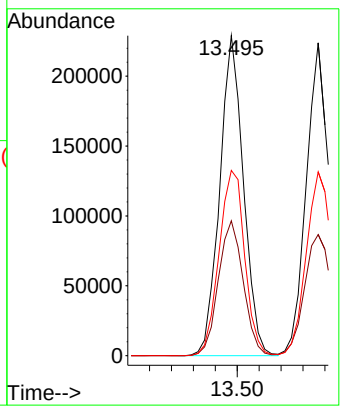


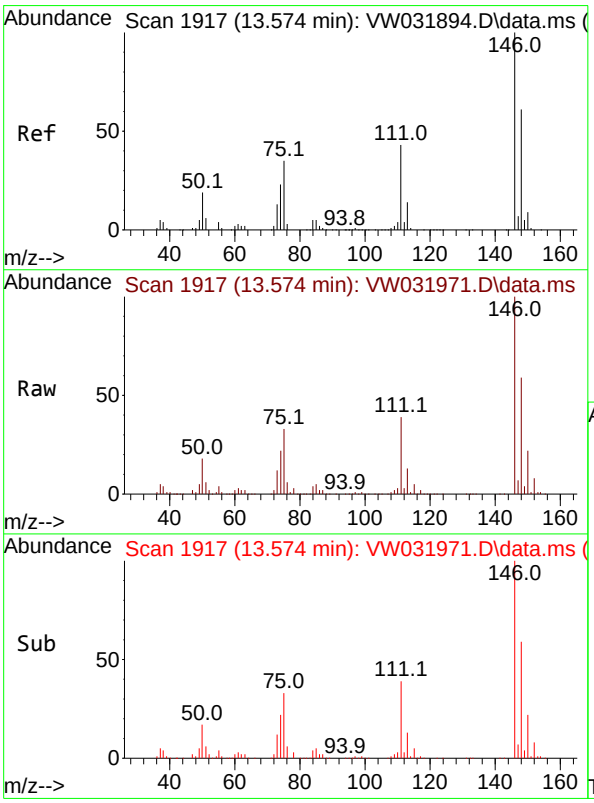
#87
1,3-Dichlorobenzene
Concen: 52.377 ug/l
RT: 13.495 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 344427

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	62.6	31.9	95.5

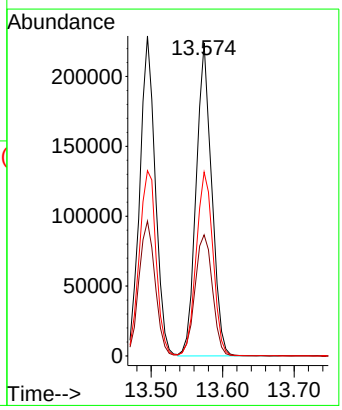


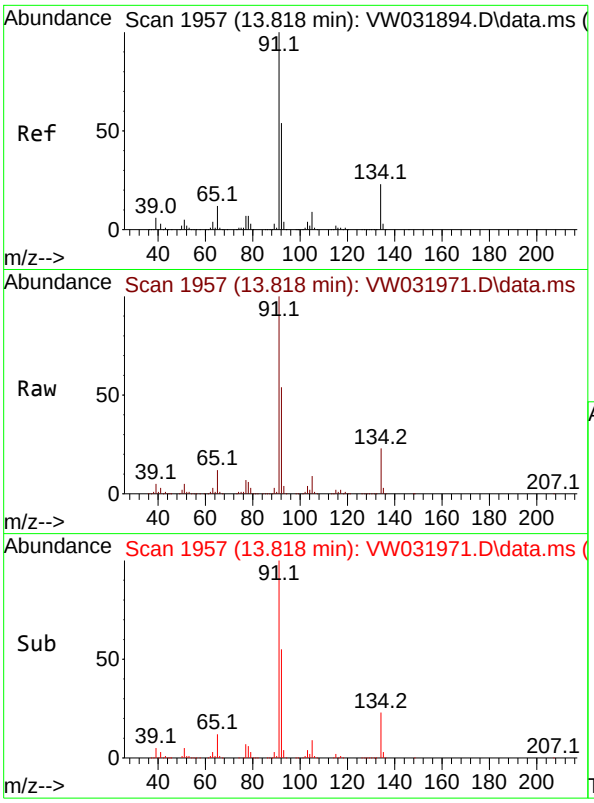


#88
1,4-Dichlorobenzene
Concen: 52.427 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:146 Resp: 337723

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	63.4	31.8	95.3



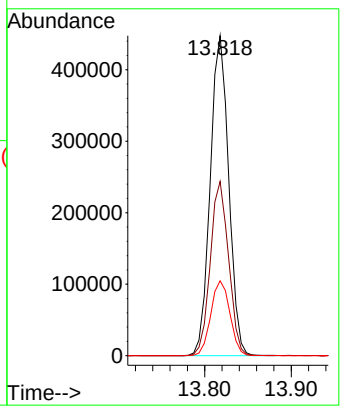


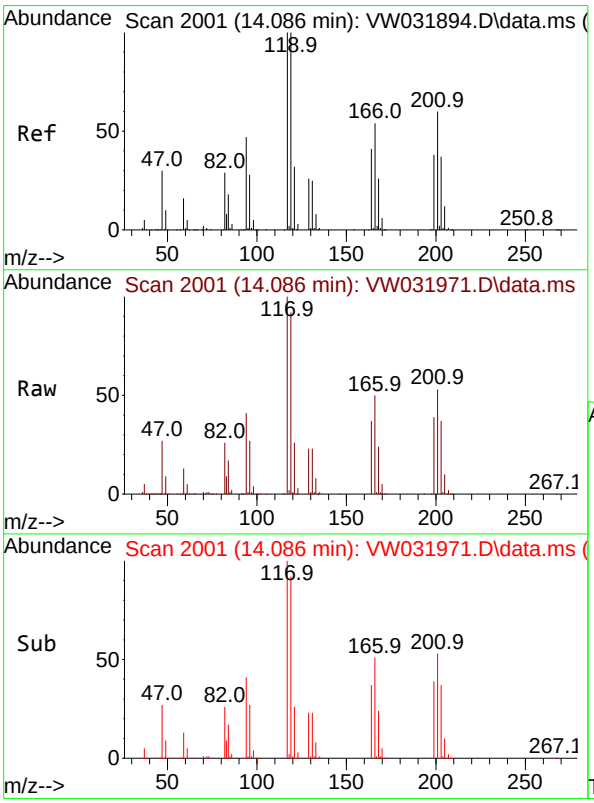
#89
n-Butylbenzene
Concen: 52.221 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 663246

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.5
134	24.2	11.6	34.7

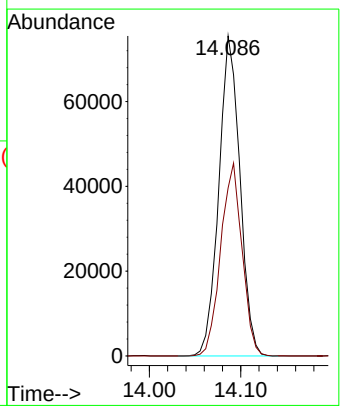


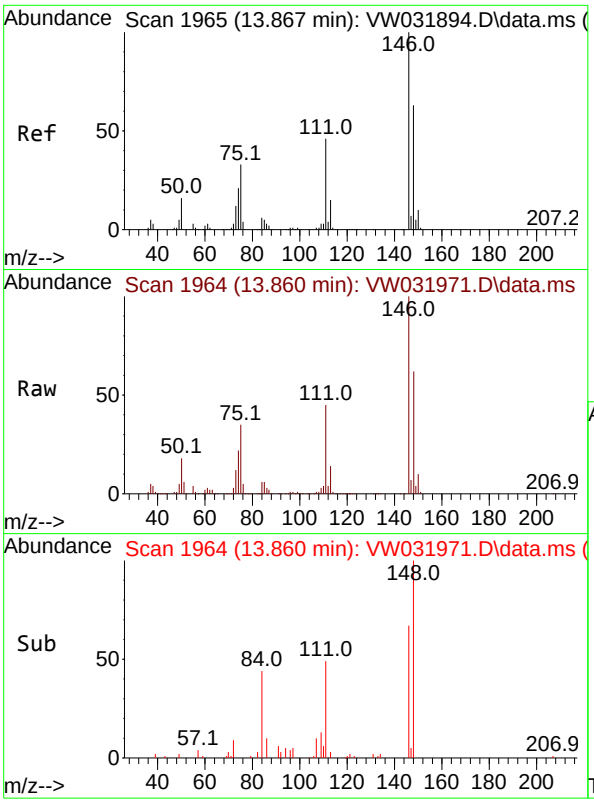


#90
Hexachloroethane
Concen: 54.161 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:117 Resp: 121255

Ion	Ratio	Lower	Upper
117	100		
201	60.9	28.4	85.2



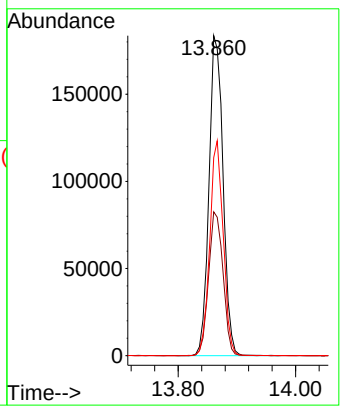


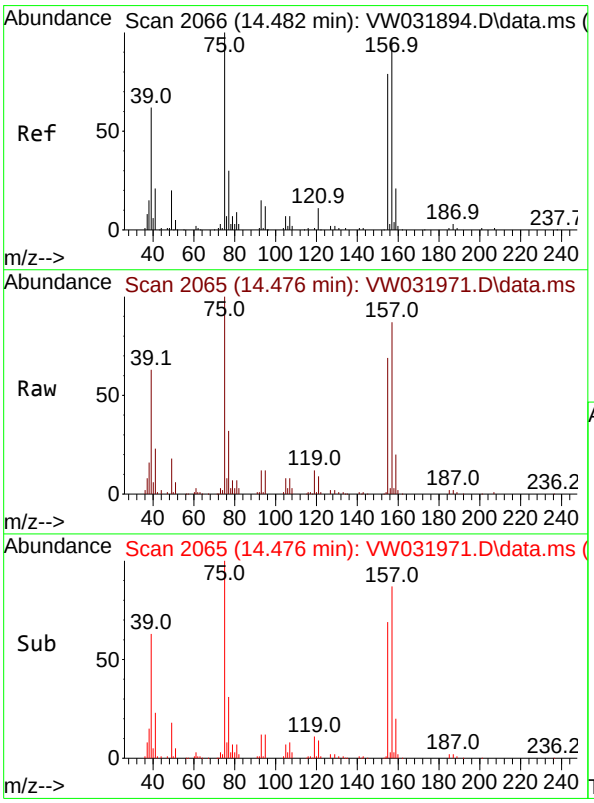
#91
1,2-Dichlorobenzene
Concen: 52.276 ug/l
RT: 13.860 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 304656

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.6	71.0
148	64.3	32.4	97.2

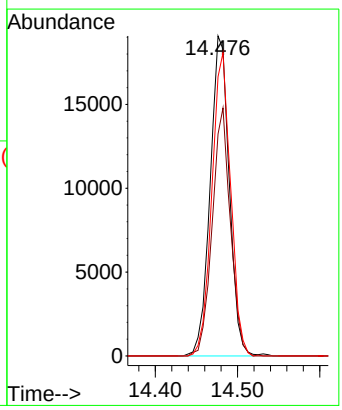


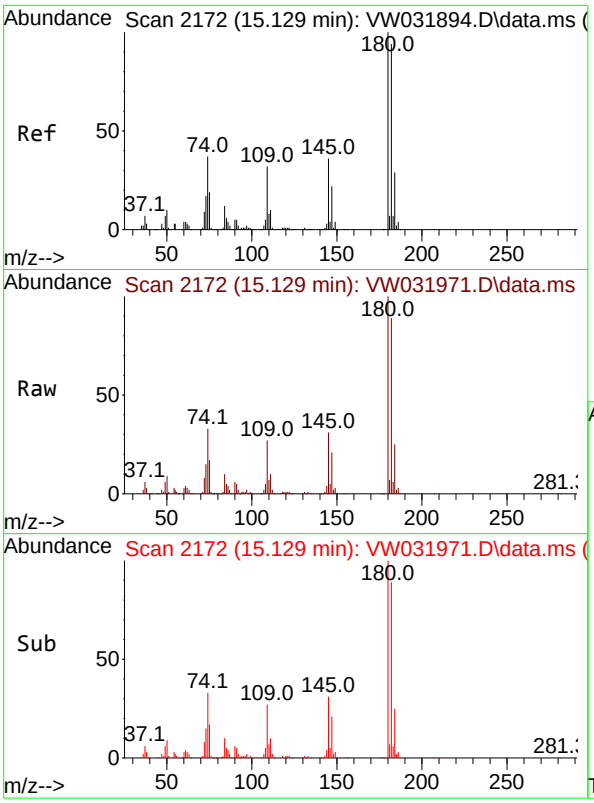


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.947 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion: 75 Resp: 30765

Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.9	107.7
157	93.1	47.4	142.2



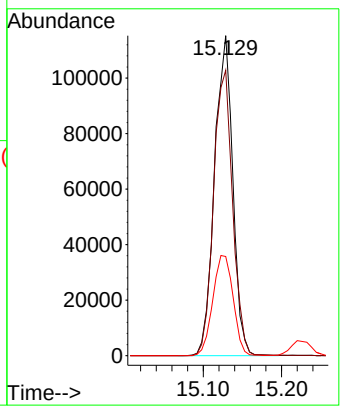


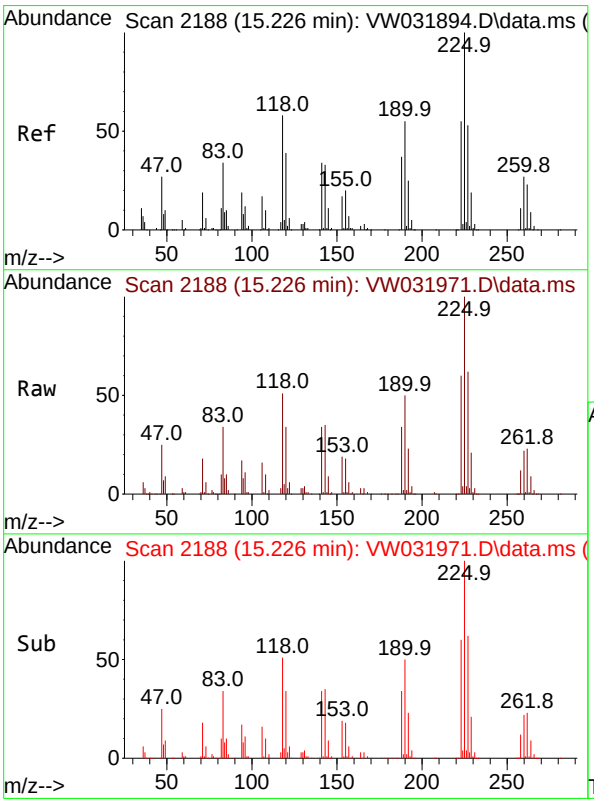
#93
1,2,4-Trichlorobenzene
Concen: 53.269 ug/l
RT: 15.129 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 187220

Ion	Ratio	Lower	Upper
180	100		
182	92.9	51.0	153.1
145	34.9	18.4	55.4

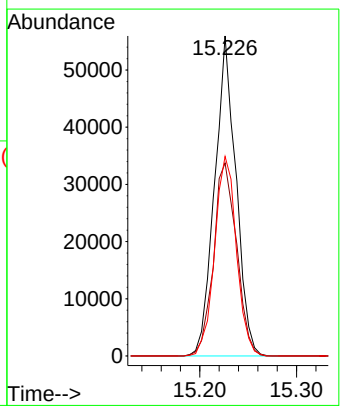


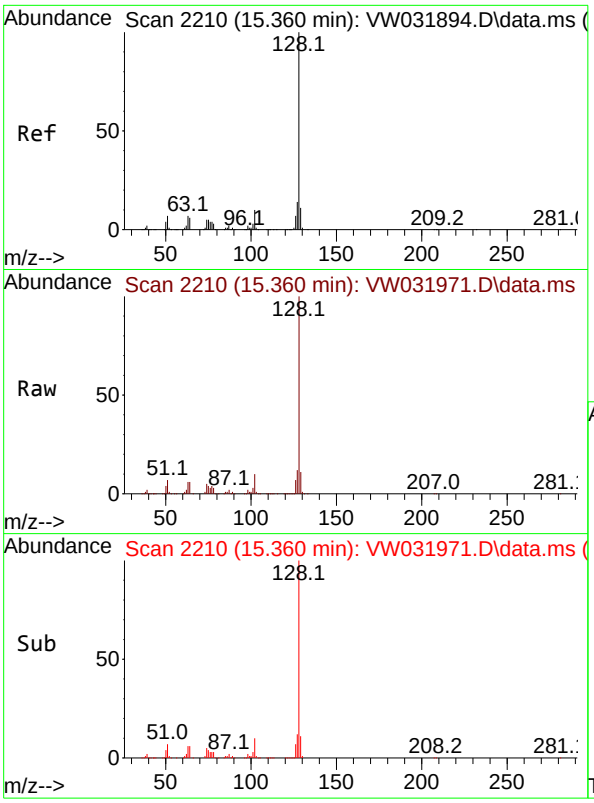


#94
Hexachlorobutadiene
Concen: 51.438 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:225 Resp: 85665

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.9	92.7
227	63.7	30.0	90.1



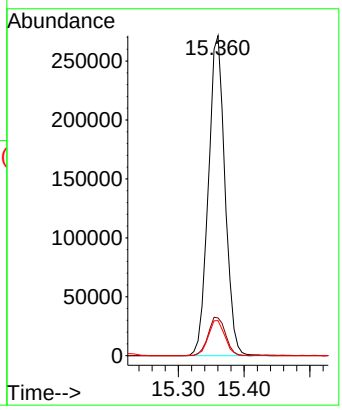


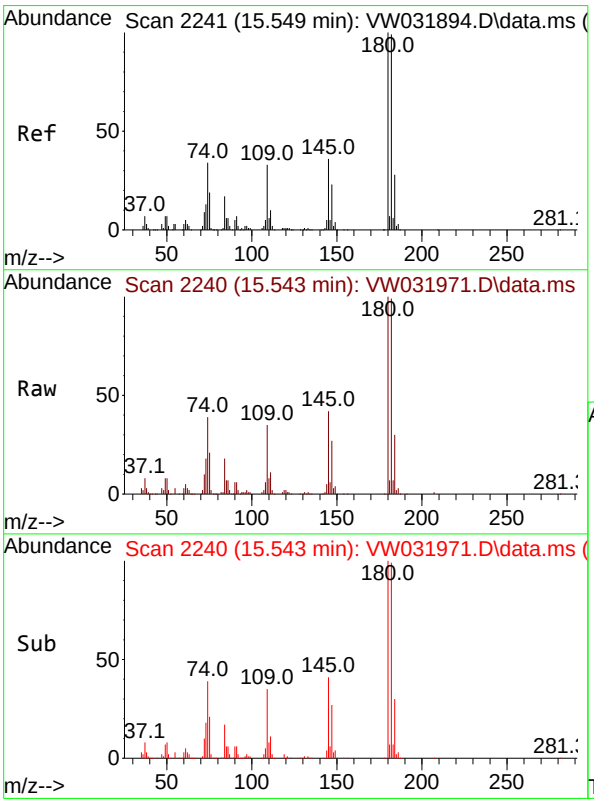
#95
Naphthalene
Concen: 55.201 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 476978

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	11.0	9.2	13.8

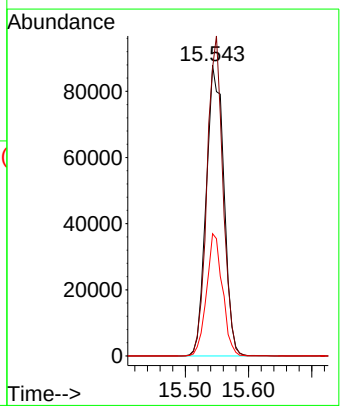




#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031971.D
Acq: 01 Aug 2025 08:21

Tgt Ion:180 Resp: 170625

Ion	Ratio	Lower	Upper
180	100		
182	99.3	50.4	151.2
145	38.0	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	204409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	355301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161977	52.383	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.760%			
35) Dibromofluoromethane	7.898	113	138929	52.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 105.100%			
50) Toluene-d8	10.325	98	510960	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.617	95	195687	50.937	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26226	17.263	ug/l	91
3) Chloromethane	2.253	50	38150	19.565	ug/l	99
4) Vinyl Chloride	2.399	62	46264	18.265	ug/l	94
5) Bromomethane	2.820	94	36788	19.723	ug/l	97
6) Chloroethane	2.966	64	33442	20.004	ug/l	96
7) Trichlorofluoromethane	3.302	101	39130	15.252	ug/l	96
8) Diethyl Ether	3.716	74	33556	19.580	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	48715	19.741	ug/l	96
10) Methyl Iodide	4.308	142	69558	18.853	ug/l	98
11) Tert butyl alcohol	5.216	59	20911	115.046	ug/l #	93
12) 1,1-Dichloroethene	4.076	96	53794	19.737	ug/l	93
13) Acrolein	3.924	56	15768	54.663	ug/l	97
14) Allyl chloride	4.698	41	79388	18.710	ug/l	98
15) Acrylonitrile	5.399	53	80852	105.526	ug/l	99
16) Acetone	4.161	43	81896	111.611	ug/l	95
17) Carbon Disulfide	4.417	76	133303	18.858	ug/l	100
18) Methyl Acetate	4.710	43	44863	22.192	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	94780	20.126	ug/l	99
20) Methylene Chloride	4.948	84	63884	17.313	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	57339	19.828	ug/l	98
22) Diisopropyl ether	6.338	45	172471	20.314	ug/l	97
23) Vinyl Acetate	6.283	43	554073	99.891	ug/l	98
24) 1,1-Dichloroethane	6.240	63	108517	20.529	ug/l	99
25) 2-Butanone	7.191	43	112066	111.625	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55144	18.426	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68734	20.217	ug/l	99
28) Bromochloromethane	7.527	49	44375	20.050	ug/l #	15
29) Tetrahydrofuran	7.551	42	69425	105.474	ug/l	99
30) Chloroform	7.691	83	117578	21.214	ug/l	97
31) Cyclohexane	7.965	56	87414	18.432	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83238	19.736	ug/l	98
36) 1,1-Dichloropropene	8.094	75	78401	19.312	ug/l	99
37) Ethyl Acetate	7.277	43	46676	20.154	ug/l	98
38) Carbon Tetrachloride	8.087	117	75591	19.401	ug/l	100
39) Methylcyclohexane	9.343	83	92733	18.151	ug/l	93
40) Benzene	8.331	78	241183	20.069	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	29220	21.077	ug/l		96
42) 1,2-Dichloroethane	8.411	62	79225	20.598	ug/l		99
43) Isopropyl Acetate	8.435	43	82562	19.692	ug/l		99
44) Trichloroethene	9.099	130	56255	19.693	ug/l		100
45) 1,2-Dichloropropane	9.374	63	59759	20.647	ug/l		96
46) Dibromomethane	9.465	93	36920	20.578	ug/l		98
47) Bromodichloromethane	9.648	83	89630	20.833	ug/l		99
48) Methyl methacrylate	9.441	41	39606	19.856	ug/l		97
49) 1,4-Dioxane	9.459	88	9890	552.435	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	242840	105.836	ug/l		99
52) Toluene	10.386	92	154706	20.025	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	79676	19.306	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	91609	19.438	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	49168	20.631	ug/l		94
56) Ethyl methacrylate	10.648	69	66980	19.900	ug/l		98
57) 1,3-Dichloropropane	10.934	76	87231	20.776	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	171564	99.235	ug/l		97
59) 2-Hexanone	10.971	43	168636	105.734	ug/l		98
60) Dibromochloromethane	11.130	129	56909	20.481	ug/l		98
61) 1,2-Dibromoethane	11.239	107	49593	21.060	ug/l		97
64) Tetrachloroethene	10.861	164	47641	20.337	ug/l		83
65) Chlorobenzene	11.660	112	169215	19.459	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	55290	20.510	ug/l		96
67) Ethyl Benzene	11.727	91	289325	18.937	ug/l		99
68) m/p-Xylenes	11.837	106	227948	39.631	ug/l		99
69) o-Xylene	12.166	106	106885	19.636	ug/l		100
70) Styrene	12.178	104	184711	19.931	ug/l		98
71) Bromoform	12.349	173	31240	21.189	ug/l	#	99
73) Isopropylbenzene	12.465	105	268400	18.237	ug/l		99
74) N-amyl acetate	12.270	43	73747	18.535	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.709	83	64210	20.554	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	80201	34.247	ug/l	#	100
77) Bromobenzene	12.745	156	64000	20.098	ug/l		92
78) n-propylbenzene	12.800	91	338914	18.750	ug/l		99
79) 2-Chlorotoluene	12.891	91	205568	19.048	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	229932	18.628	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	18112	17.856	ug/l		92
82) 4-Chlorotoluene	12.983	91	216472	19.120	ug/l		98
83) tert-Butylbenzene	13.202	119	195715	18.615	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239764	19.191	ug/l		99
85) sec-Butylbenzene	13.379	105	292934	18.553	ug/l		100
86) p-Isopropyltoluene	13.495	119	246860	18.915	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	134477	20.288	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	127388	19.618	ug/l		98
89) n-Butylbenzene	13.818	91	238599	18.637	ug/l		99
90) Hexachloroethane	14.086	117	43282	19.179	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	118631	20.194	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11068	19.611	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	66569	18.790	ug/l		95
94) Hexachlorobutadiene	15.232	225	31530	18.782	ug/l		99
95) Naphthalene	15.361	128	163926	18.820	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	61654	19.207	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

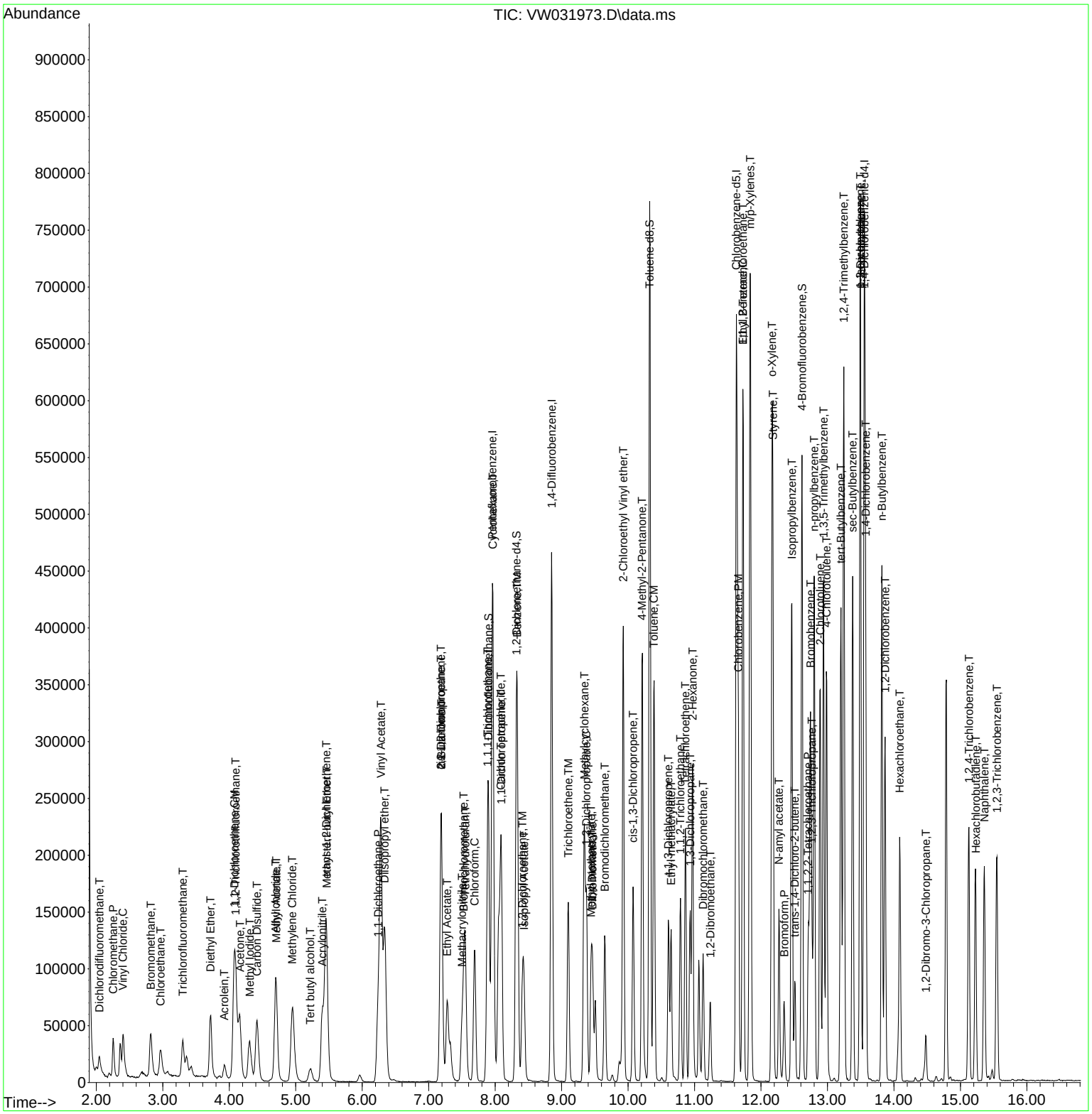
(#) = qualifier out of range (m) = manual integration (+) = signals summed

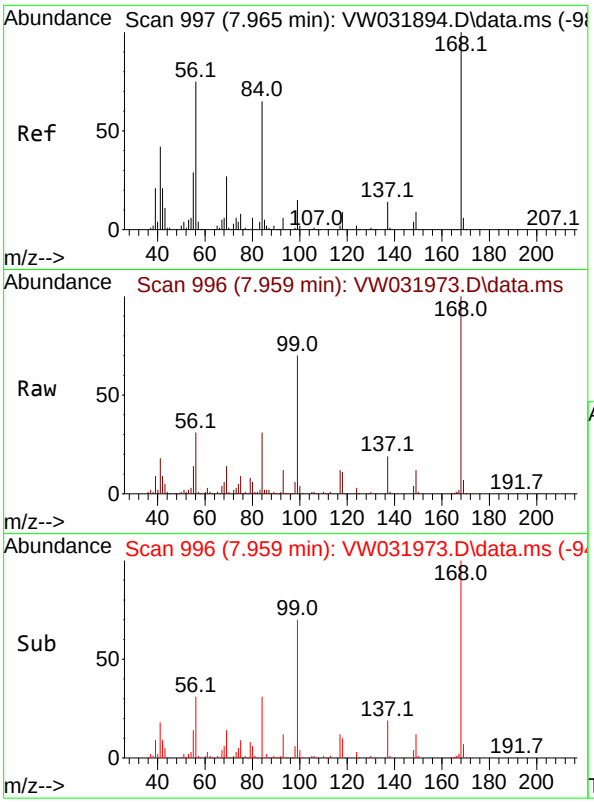
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



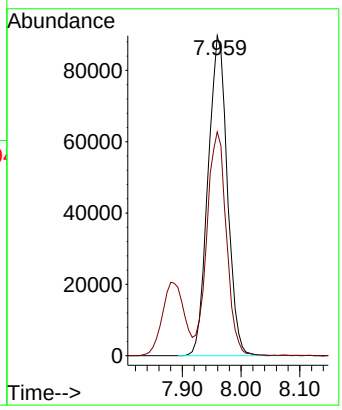


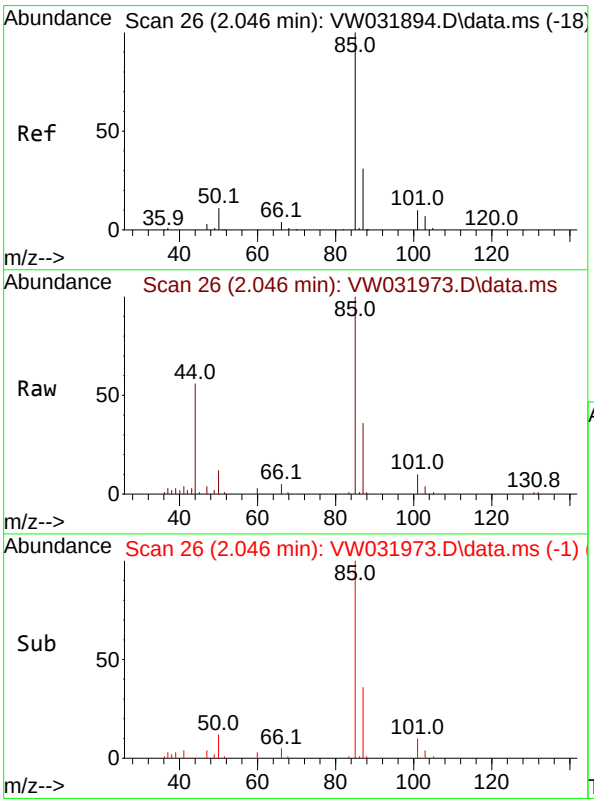
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:168 Resp: 204409

Ion	Ratio	Lower	Upper
168	100		
99	69.9	48.2	72.2

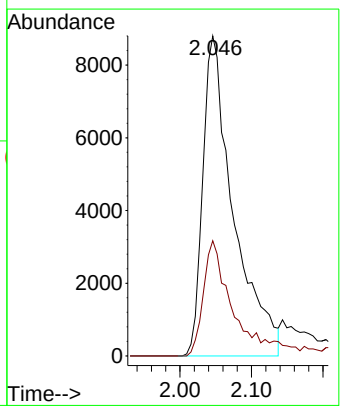


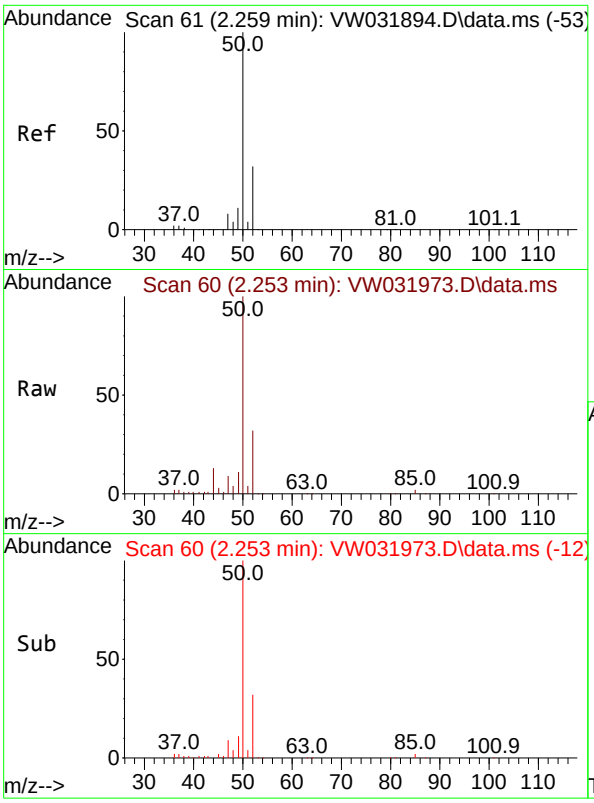


#2
Dichlorodifluoromethane
Concen: 17.263 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 85 Resp: 26226

Ion	Ratio	Lower	Upper
85	100		
87	36.0	15.5	46.5



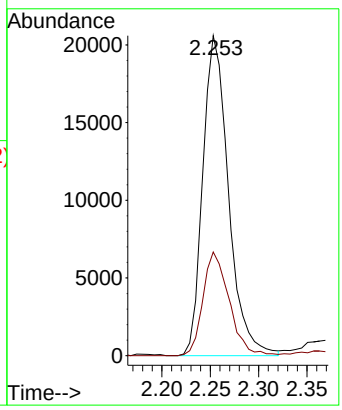


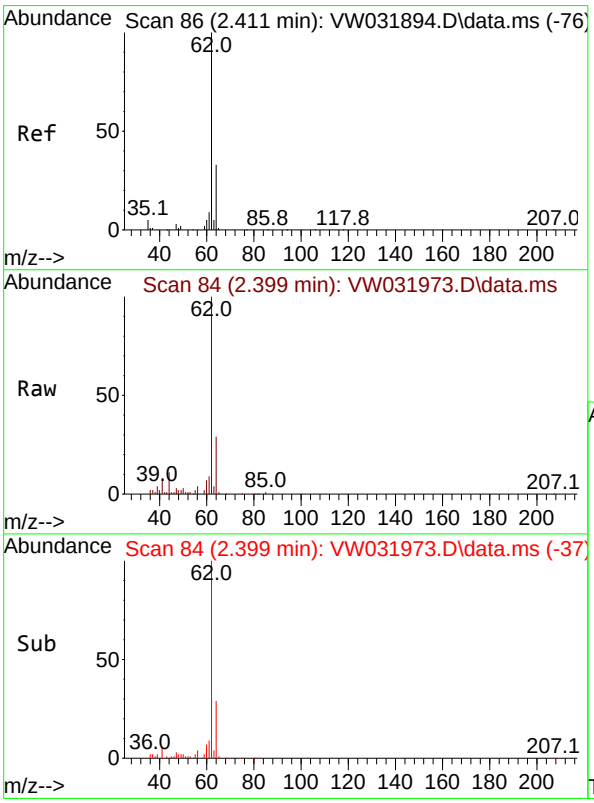
#3
Chloromethane
Concen: 19.565 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 50 Resp: 38150

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.7	38.5

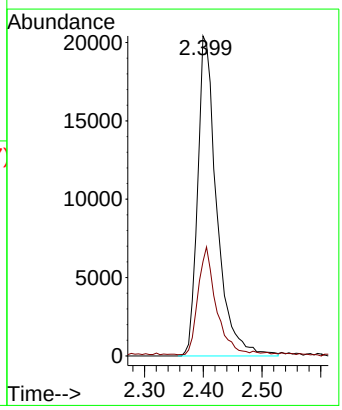


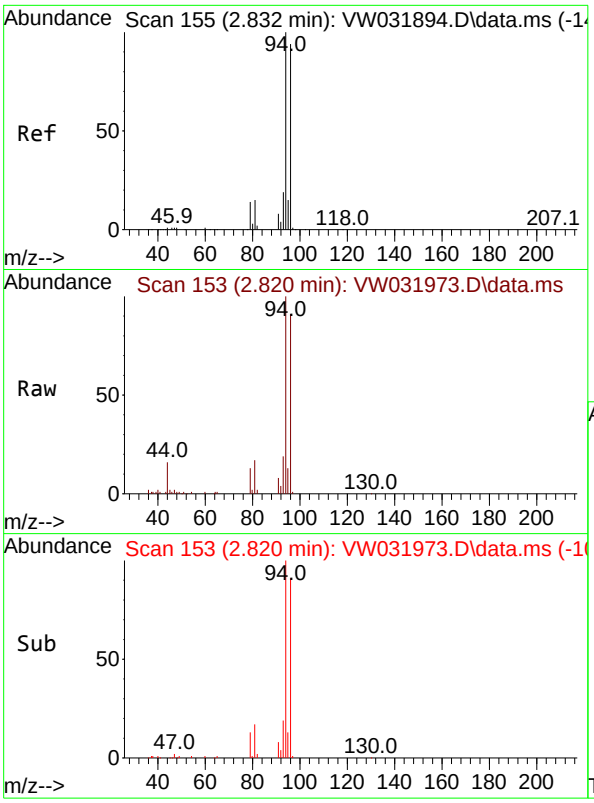


#4
Vinyl Chloride
Concen: 18.265 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 62 Resp: 46264

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.2	39.2



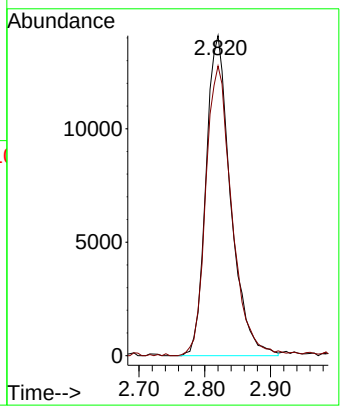


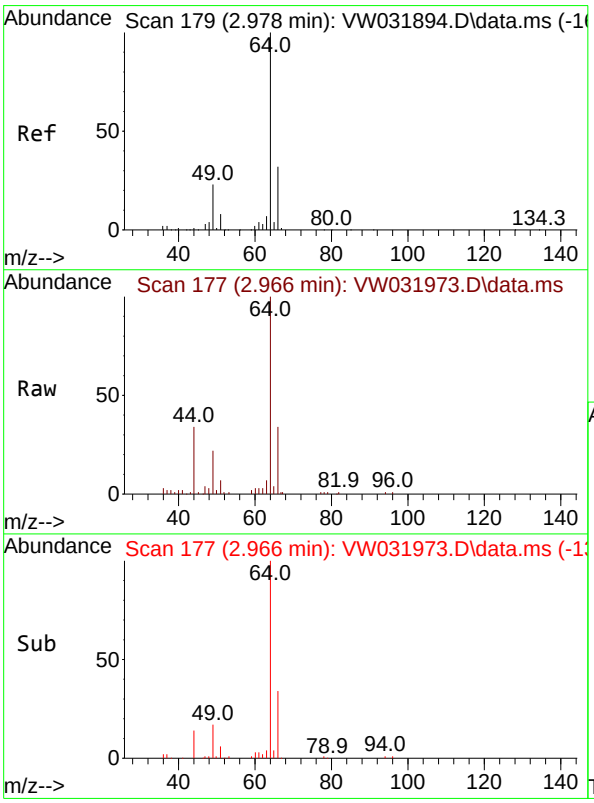
#5
Bromomethane
Concen: 19.723 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 94 Resp: 36788

Ion	Ratio	Lower	Upper
94	100		
96	90.6	75.0	112.6

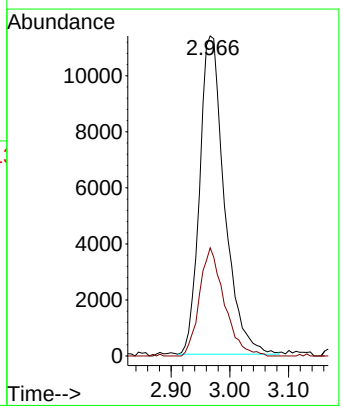


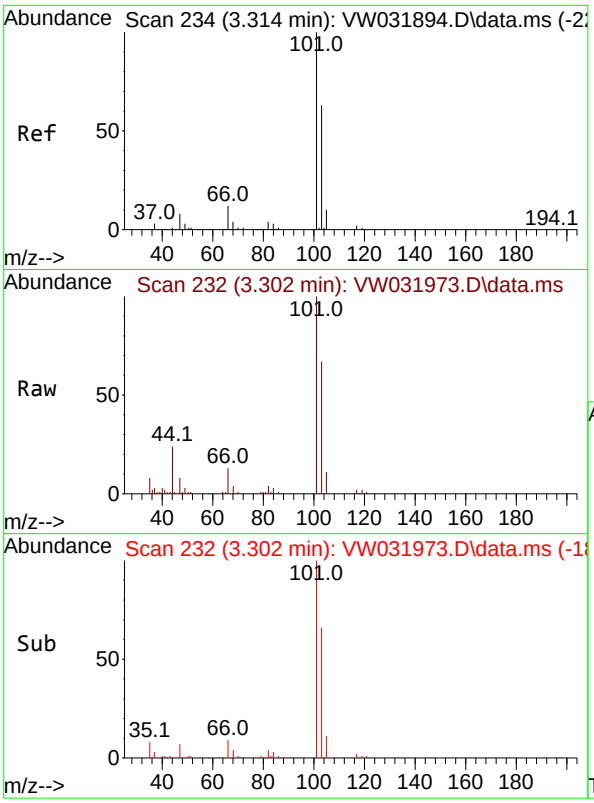


#6
Chloroethane
Concen: 20.004 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 64 Resp: 33442

Ion	Ratio	Lower	Upper
64	100		
66	34.0	25.6	38.4



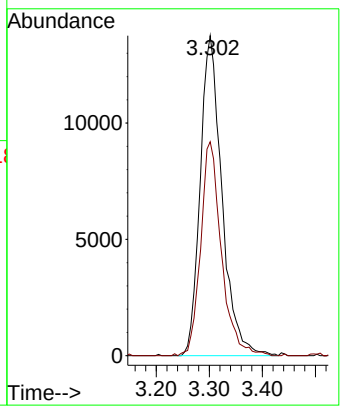


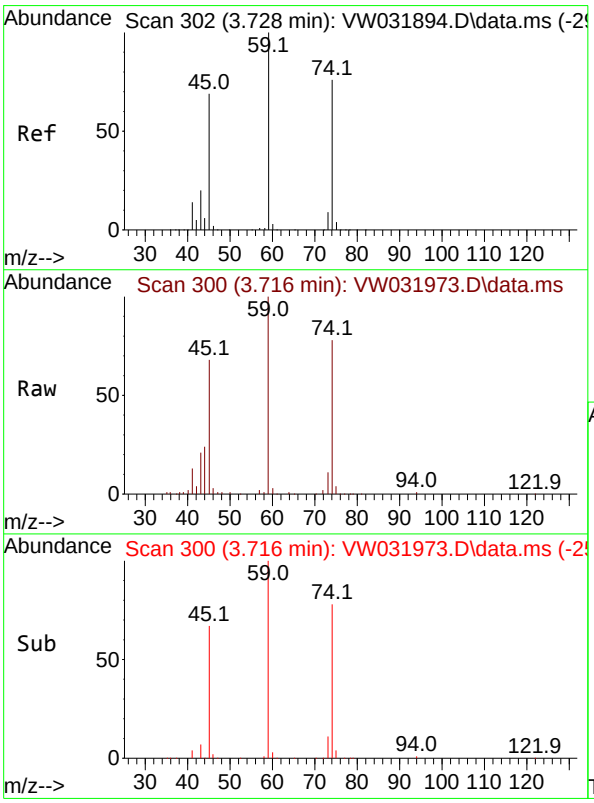
#7
Trichlorofluoromethane
Concen: 15.252 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:101 Resp: 39130

Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.7	76.1

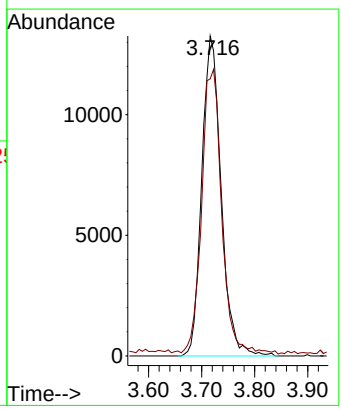


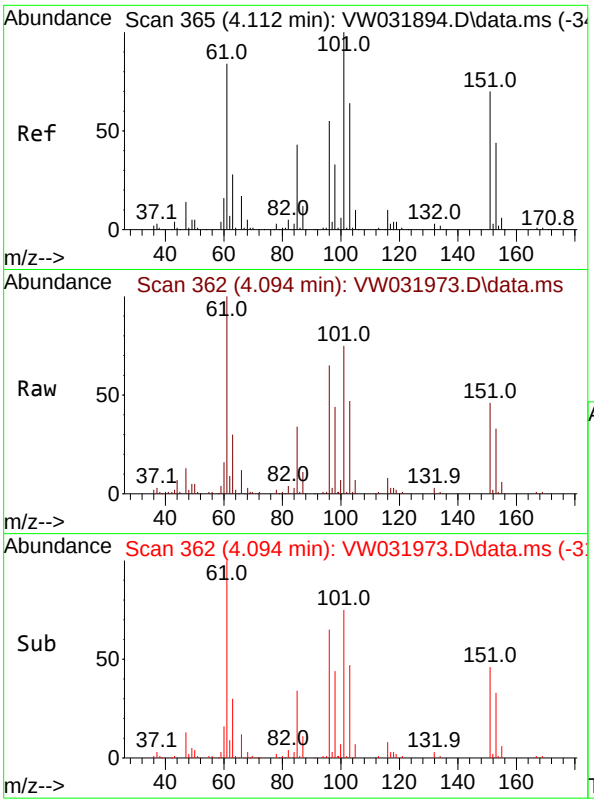


#8
Diethyl Ether
Concen: 19.580 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 74 Resp: 33556

Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.5	136.5



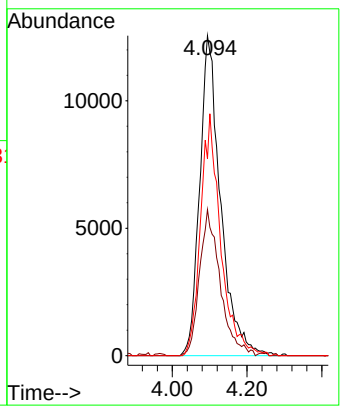


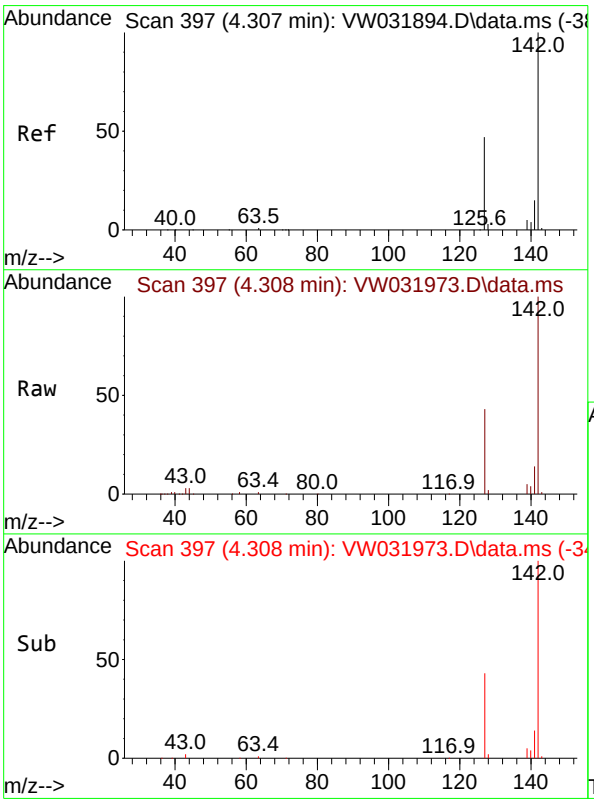
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.741 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:101 Resp: 48715

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	72.7	54.6	81.8

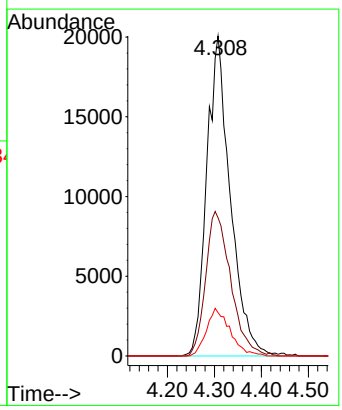


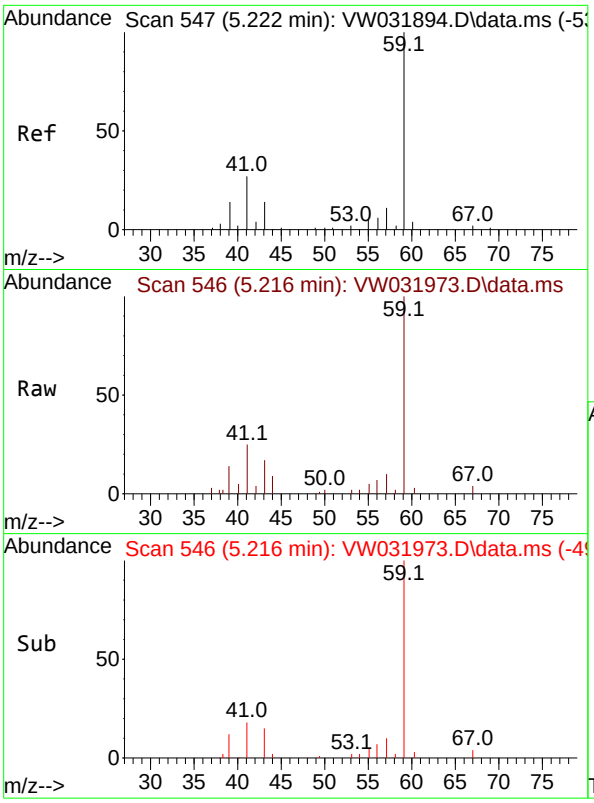


#10
Methyl Iodide
Concen: 18.853 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:142 Resp: 69558

Ion	Ratio	Lower	Upper
142	100		
127	48.2	37.4	56.2
141	15.0	11.9	17.9



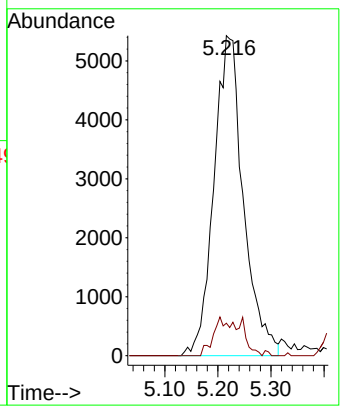


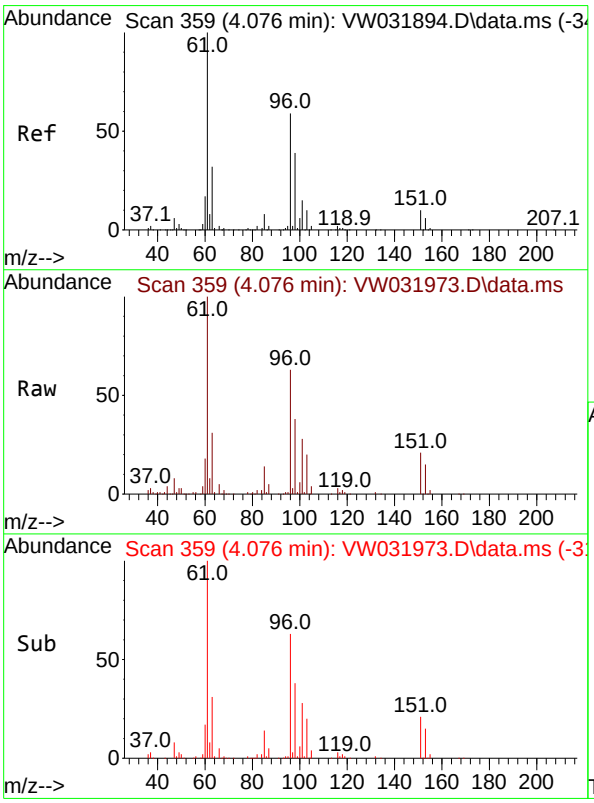
#11
Tert butyl alcohol
Concen: 115.046 ug/l
RT: 5.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 59 Resp: 20911

Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.6	12.8#

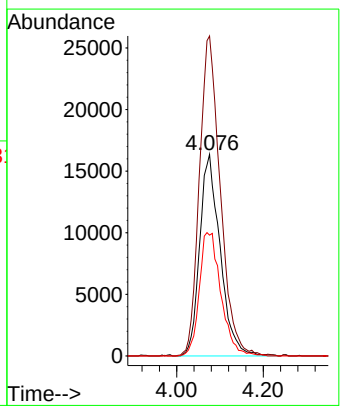


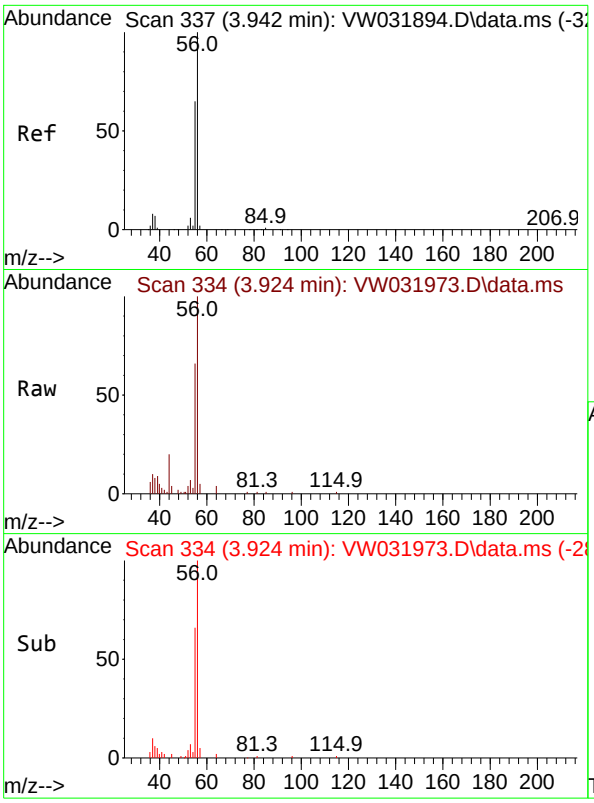


#12
1,1-Dichloroethene
Concen: 19.737 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 96 Resp: 53794

Ion	Ratio	Lower	Upper
96	100		
61	158.8	135.0	202.6
98	59.9	52.3	78.5



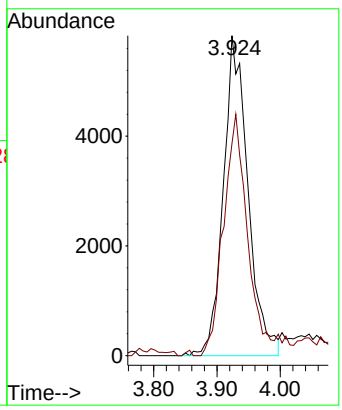


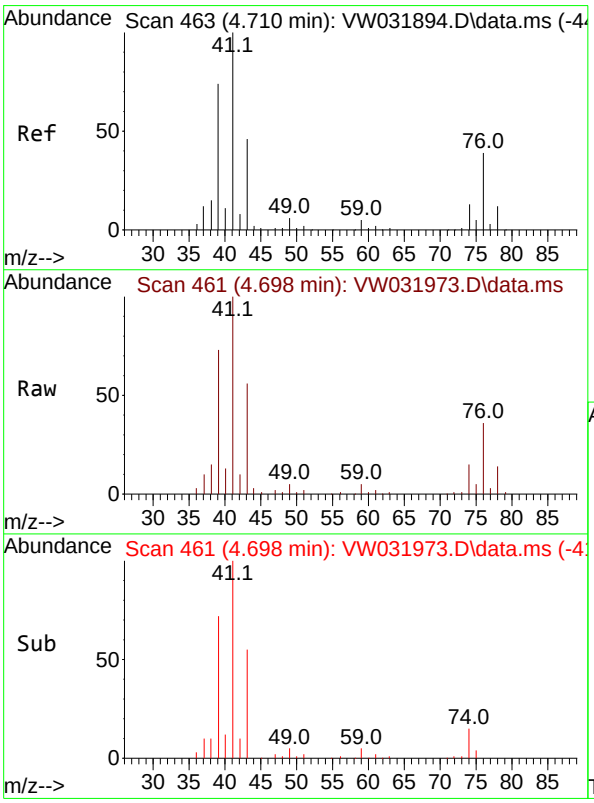
#13
Acrolein
Concen: 54.663 ug/l
RT: 3.924 min Scan# 3
Delta R.T. -0.018 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 56 Resp: 15768

Ion	Ratio	Lower	Upper
56	100		
55	73.3	56.7	85.1

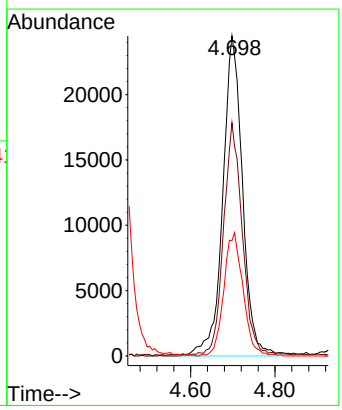


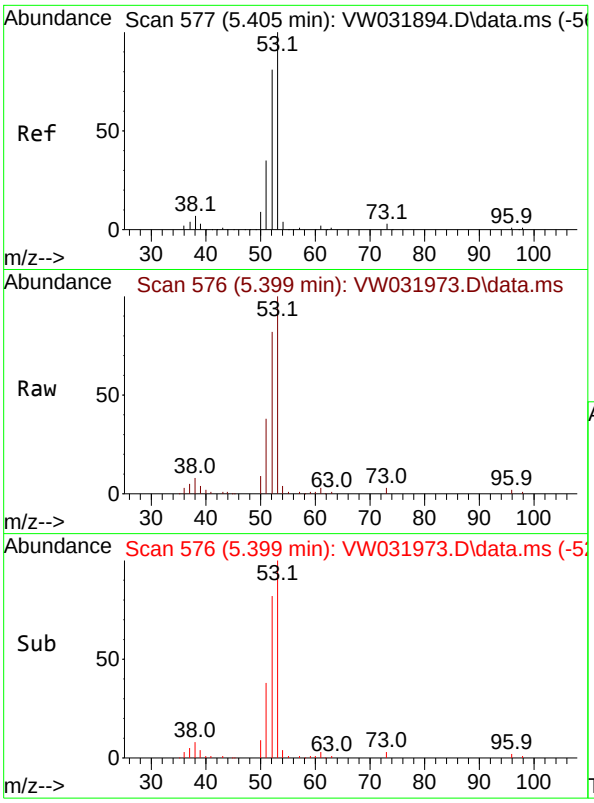


#14
Allyl chloride
Concen: 18.710 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 41 Resp: 79388

Ion	Ratio	Lower	Upper
41	100		
39	68.7	56.6	85.0
76	37.6	30.1	45.1



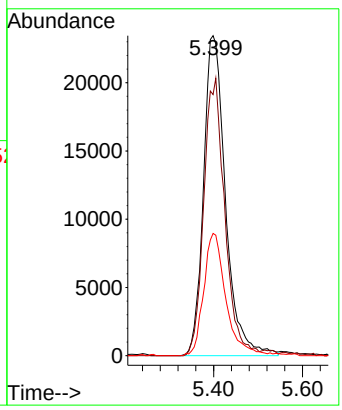


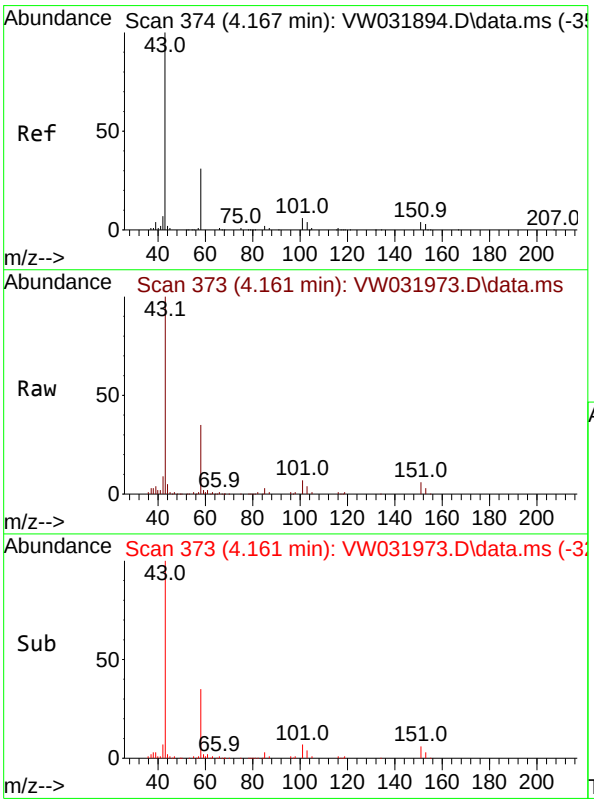
#15
Acrylonitrile
Concen: 105.526 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 53 Resp: 80852

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	38.3	29.9	44.9

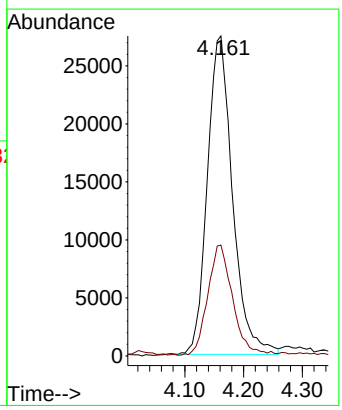


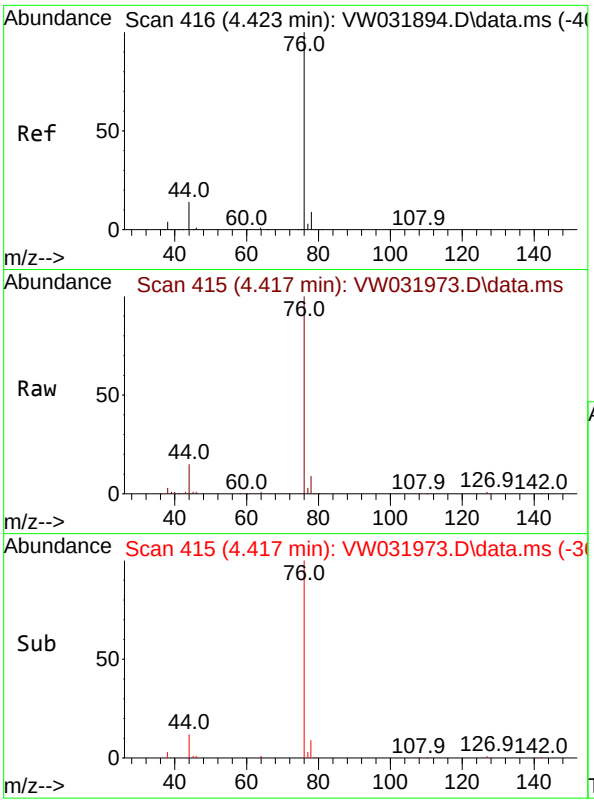


#16
Acetone
Concen: 111.611 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 81896

Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.5	38.3



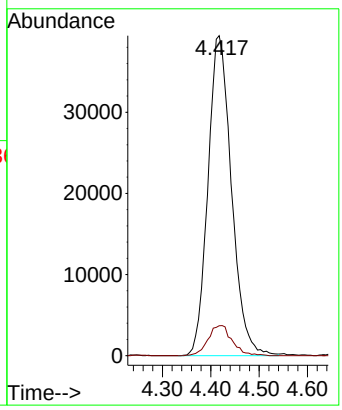


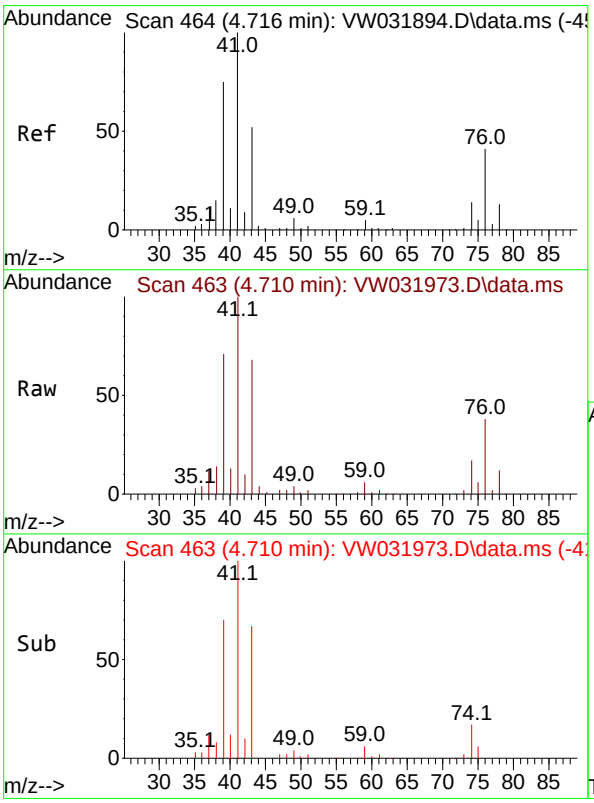
#17
Carbon Disulfide
Concen: 18.858 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 76 Resp: 133303

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

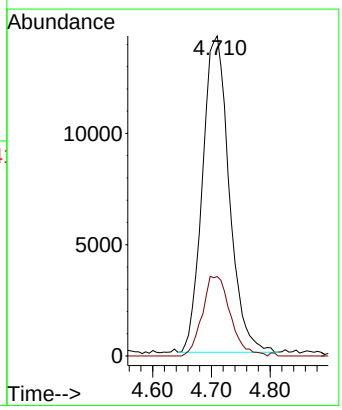


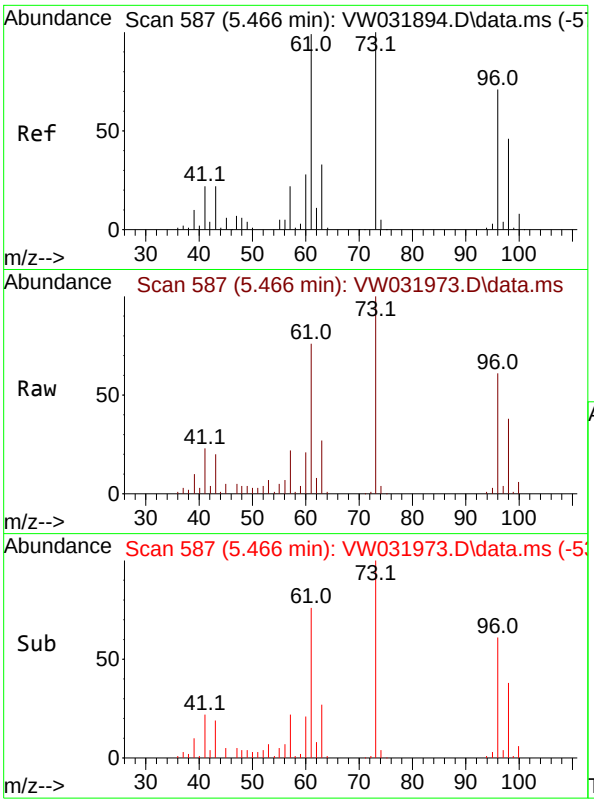


#18
Methyl Acetate
Concen: 22.192 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 44863

Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.6	31.0



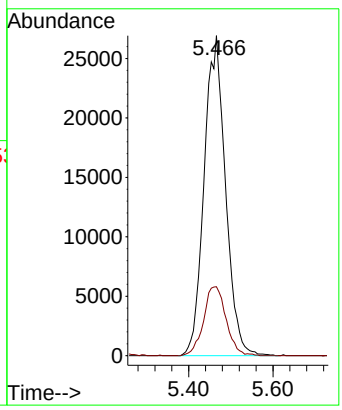


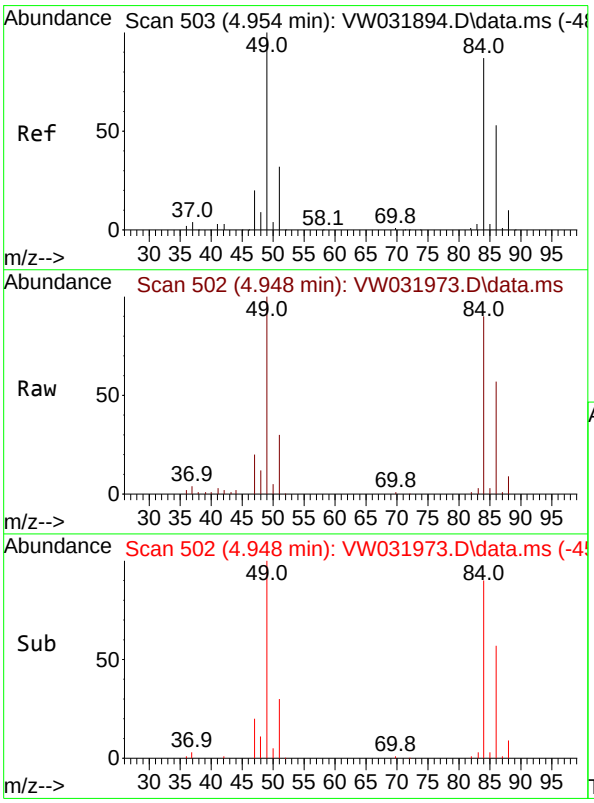
#19
Methyl tert-butyl Ether
Concen: 20.126 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 73 Resp: 94780

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

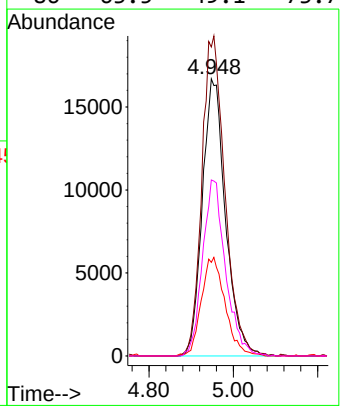


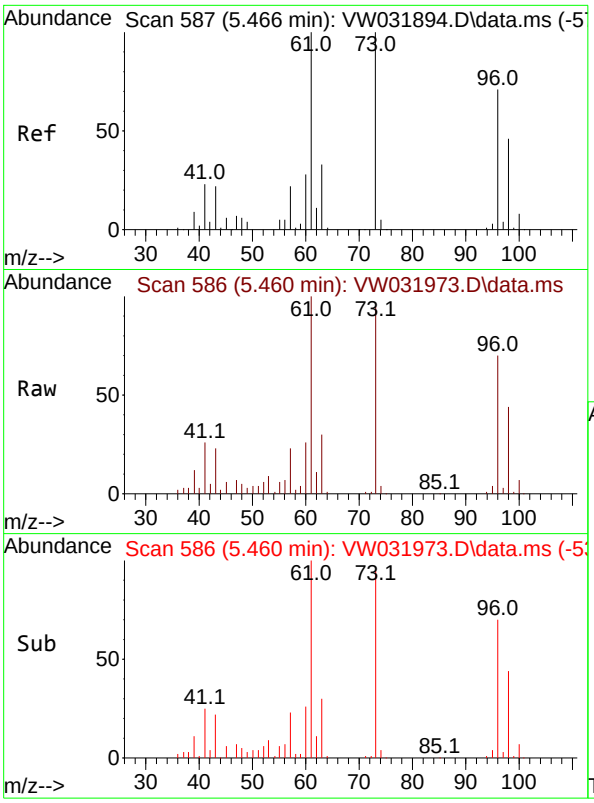


#20
Methylene Chloride
Concen: 17.313 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 84 Resp: 63884

Ion	Ratio	Lower	Upper
84	100		
49	111.5	91.9	137.9
51	33.8	29.0	43.6
86	63.5	49.1	73.7



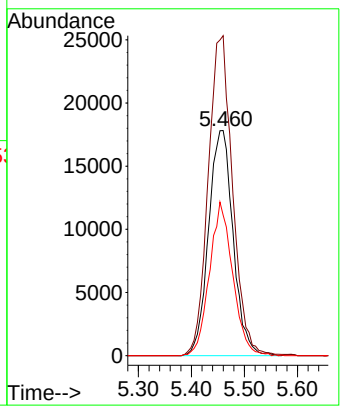


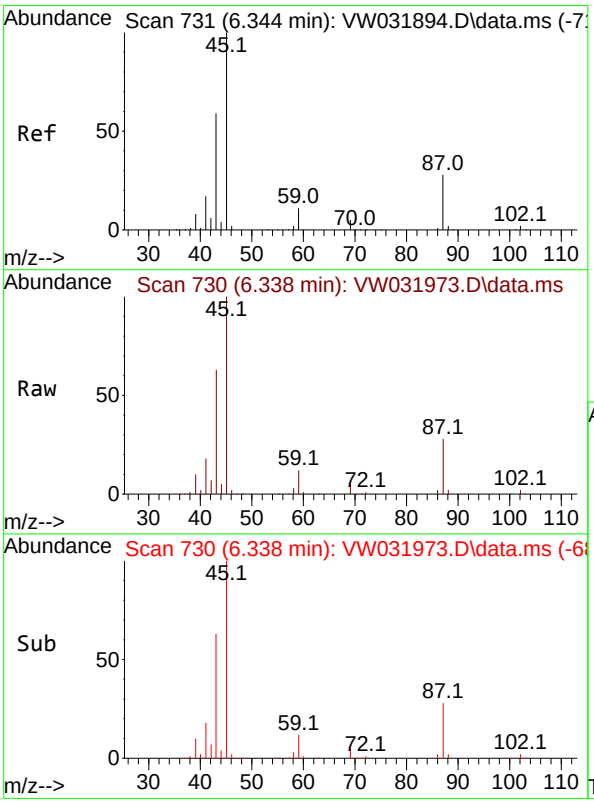
#21
trans-1,2-Dichloroethene
Concen: 19.828 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 96 Resp: 57339

Ion	Ratio	Lower	Upper
96	100		
61	142.2	112.8	169.2
98	62.4	51.9	77.9

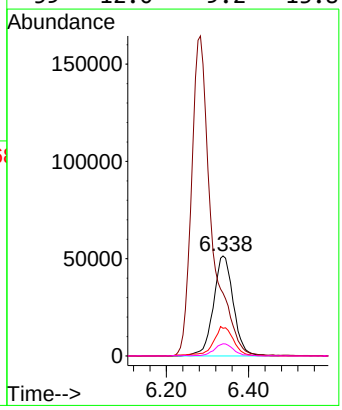


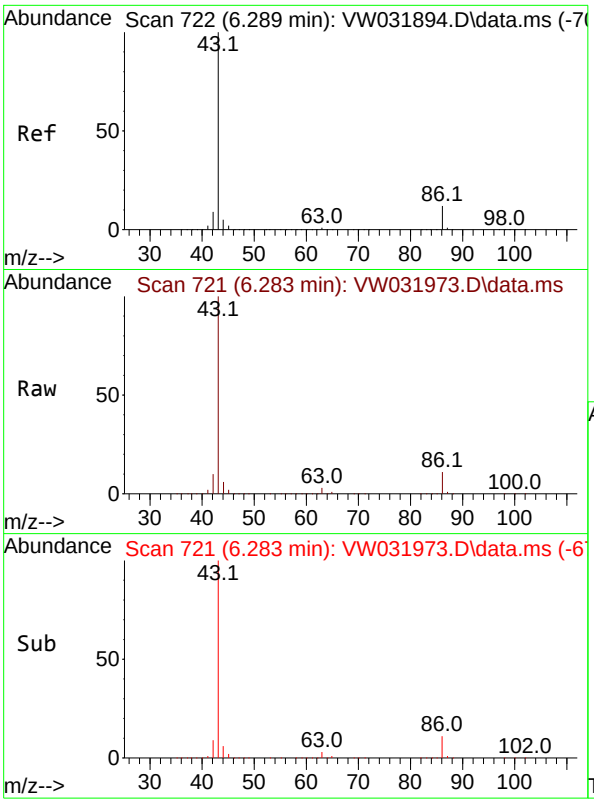


#22
Diisopropyl ether
Concen: 20.314 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 45 Resp: 172471

Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.0	70.6
87	27.7	22.8	34.2
59	12.0	9.2	13.8



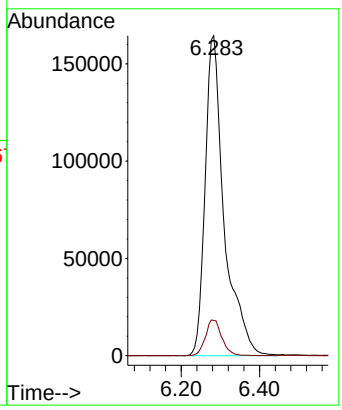


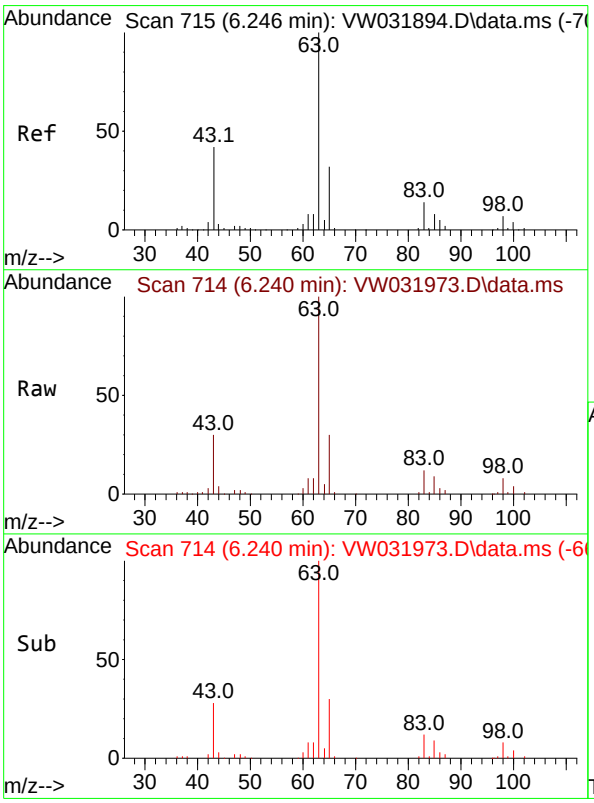
#23
Vinyl Acetate
Concen: 99.891 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 554073

Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

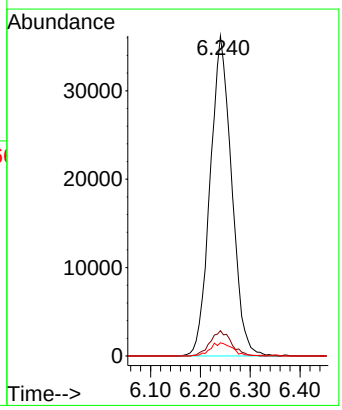


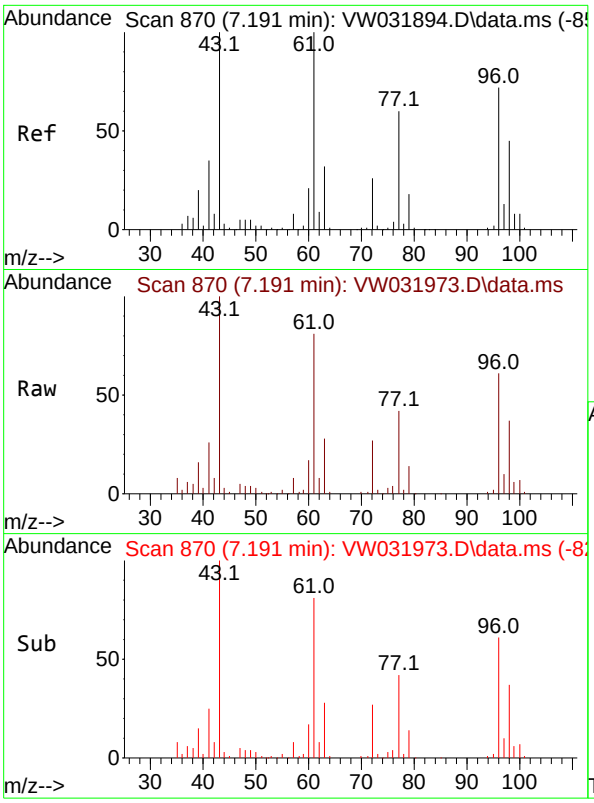


#24
1,1-Dichloroethane
Concen: 20.529 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 63 Resp: 108517

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.9
100	4.1	2.2	6.6



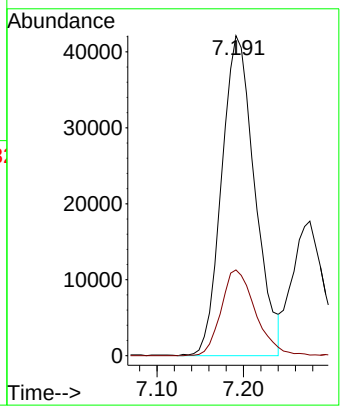


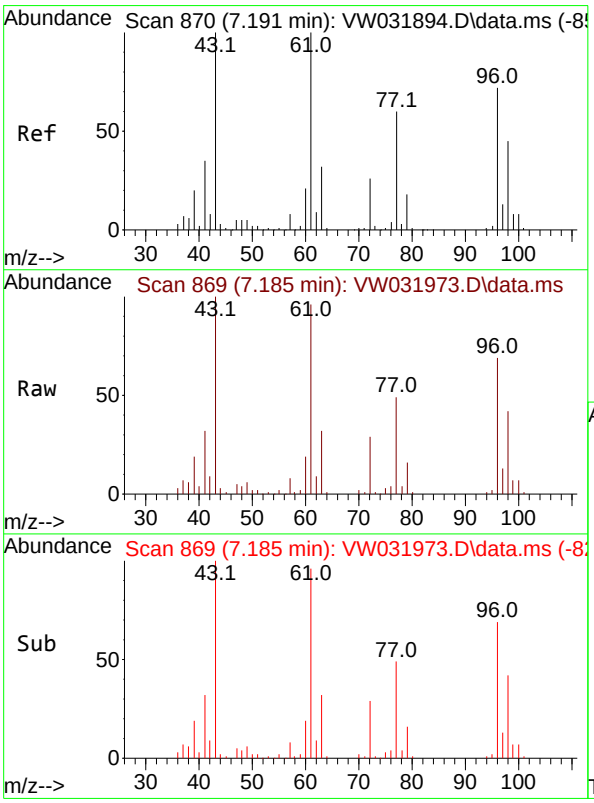
#25
2-Butanone
Concen: 111.625 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 112066

Ion	Ratio	Lower	Upper
43	100		
72	26.8	20.8	31.2

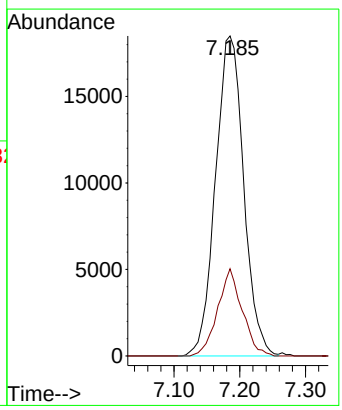


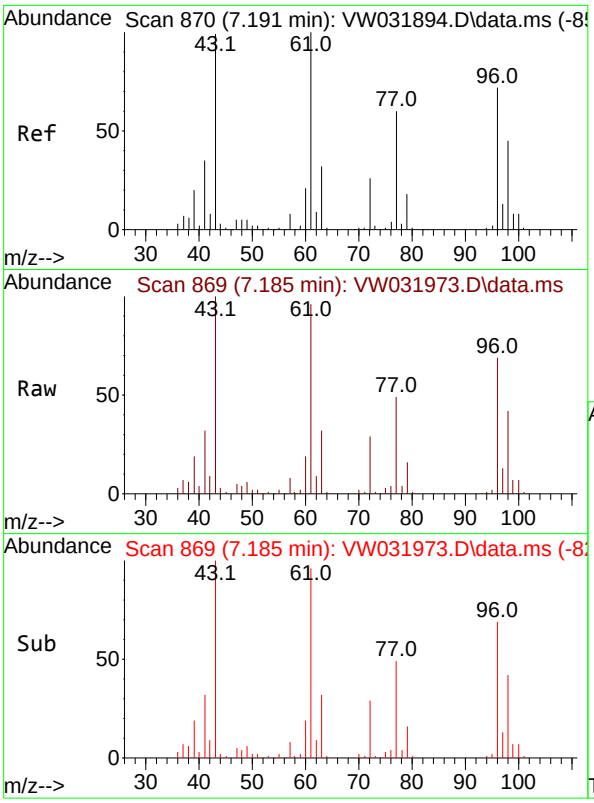


#26
2,2-Dichloropropane
Concen: 18.426 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 77 Resp: 55144

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.4	34.1



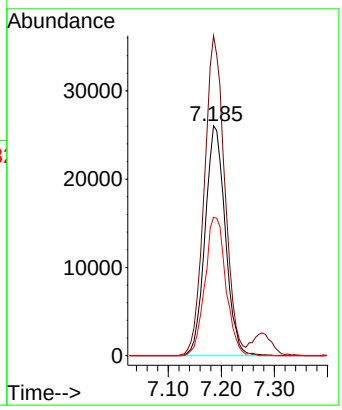


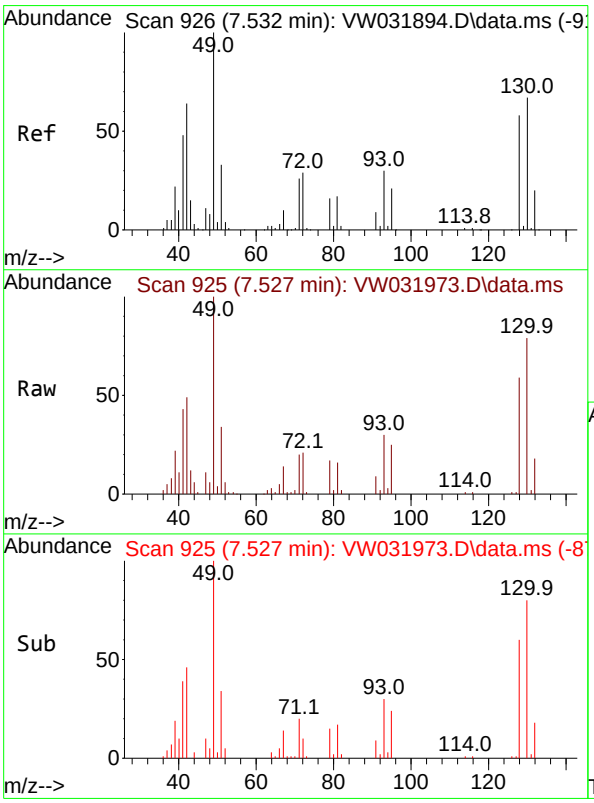
#27
cis-1,2-Dichloroethene
Concen: 20.217 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 96 Resp: 68734

Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	280.2
98	62.5	0.0	126.8

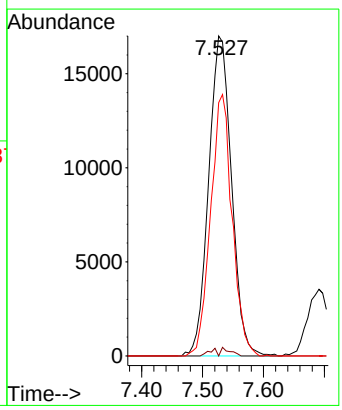


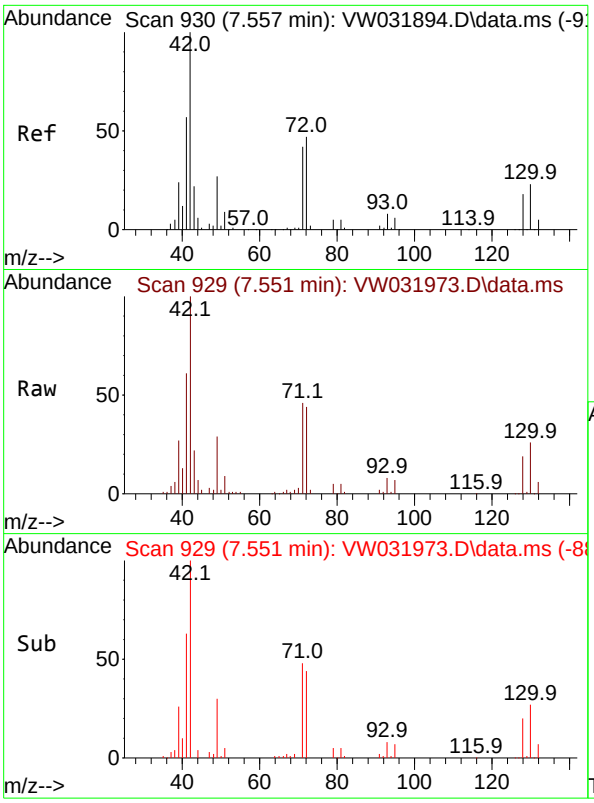


#28
Bromochloromethane
Concen: 20.050 ug/l
RT: 7.527 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 49 Resp: 44375

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.4
130	0.0	59.0	88.4#



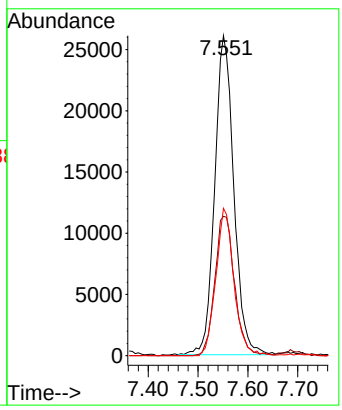


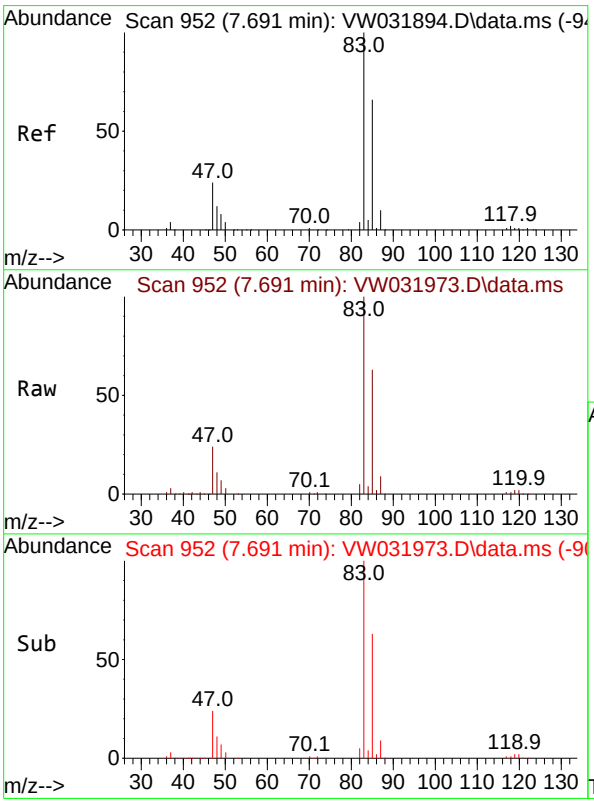
#29
Tetrahydrofuran
Concen: 105.474 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 42 Resp: 69425

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	43.7	34.5	51.7

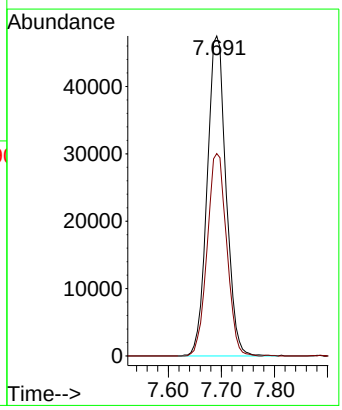


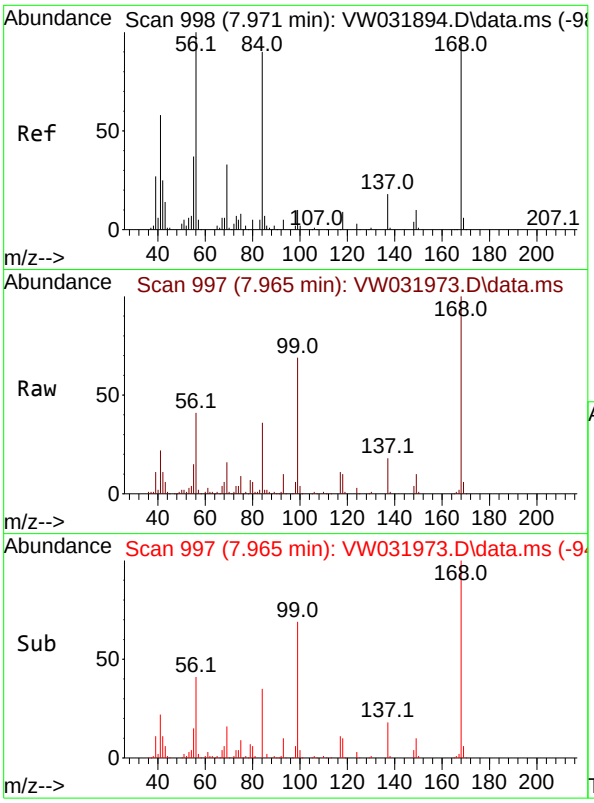


#30
Chloroform
Concen: 21.214 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 83 Resp: 117578

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8



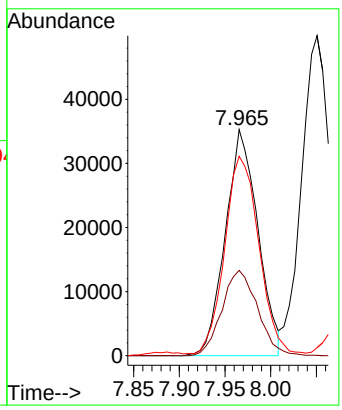


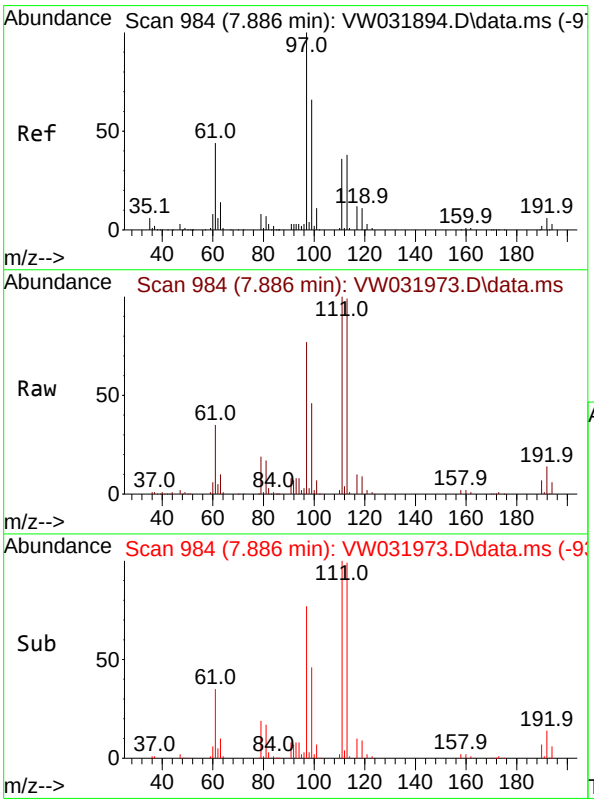
#31
Cyclohexane
Concen: 18.432 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 56 Resp: 87414

Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.7	40.1
84	86.9	71.8	107.6

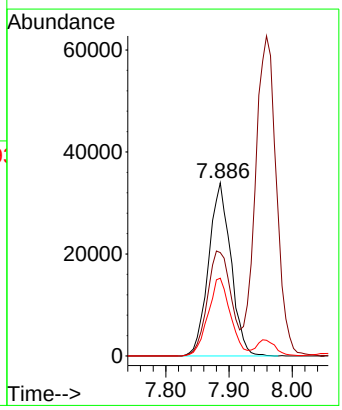


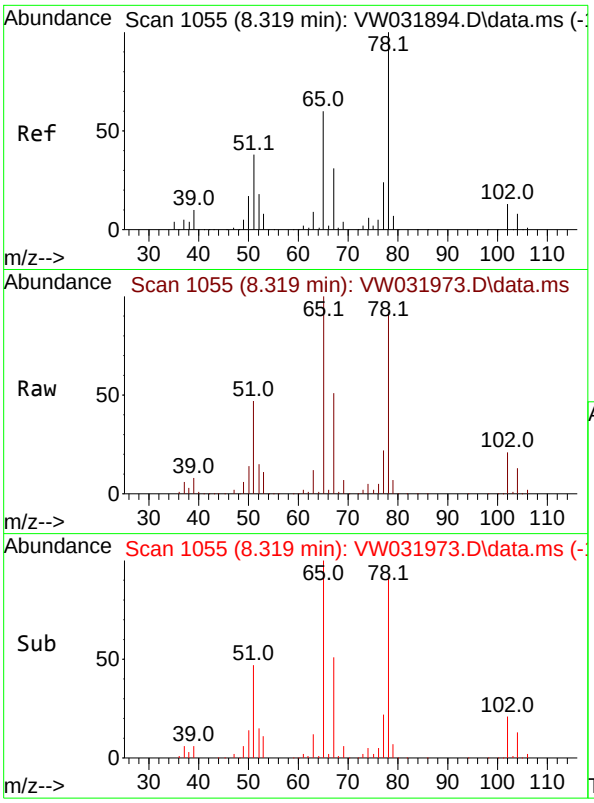


#32
1,1,1-Trichloroethane
Concen: 19.736 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 97 Resp: 83238

Ion	Ratio	Lower	Upper
97	100		
99	64.4	53.0	79.4
61	45.1	35.4	53.0



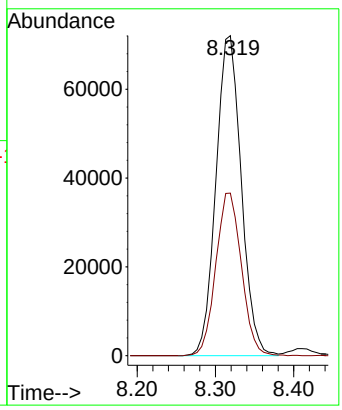


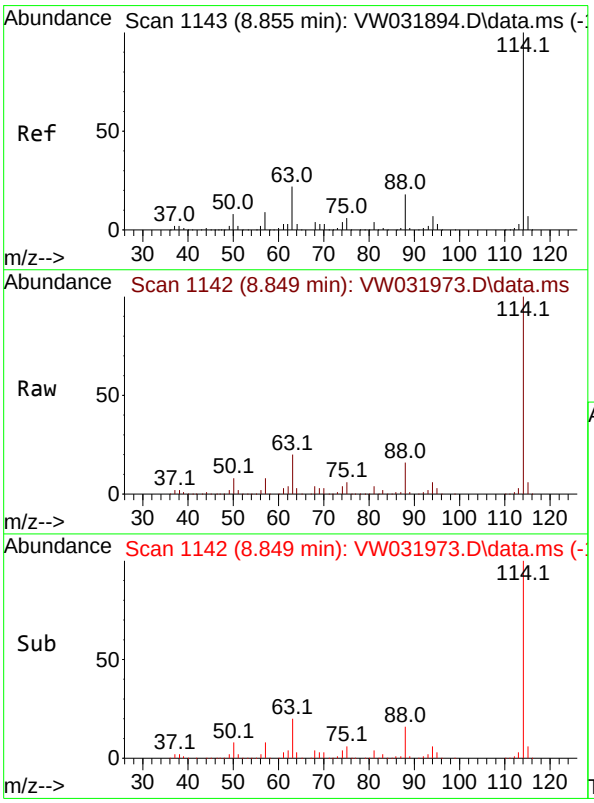
#33
1,2-Dichloroethane-d4
Concen: 52.383 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 65 Resp: 161977

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

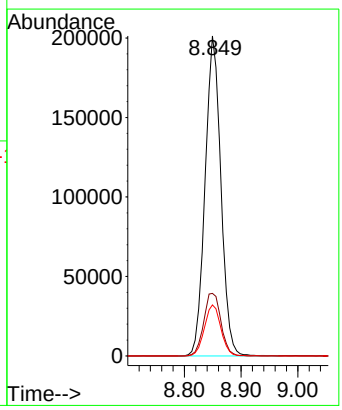


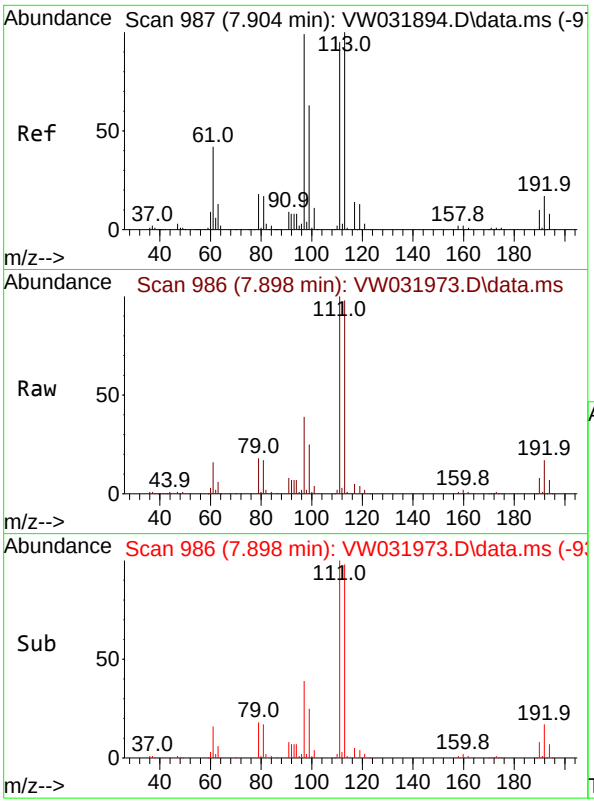


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:114 Resp: 389040

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.2
88	15.9	0.0	35.6



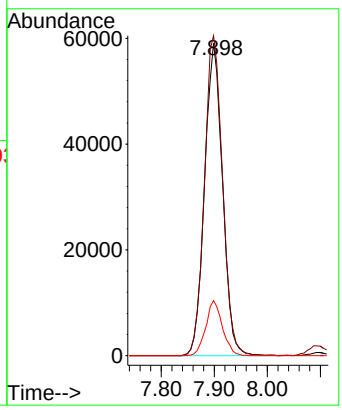


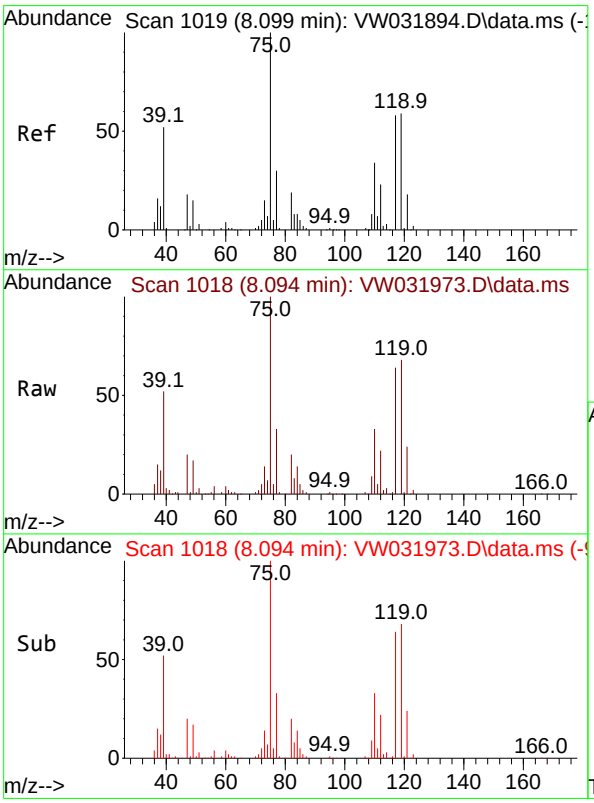
#35
Dibromofluoromethane
Concen: 52.553 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:113 Resp: 138929

Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.9	119.9
192	16.4	12.6	19.0

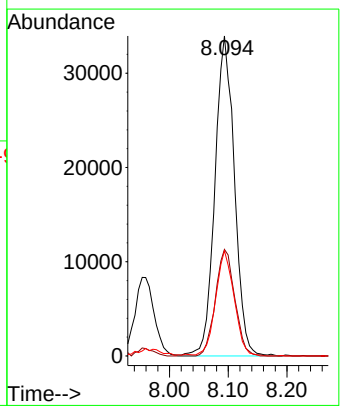


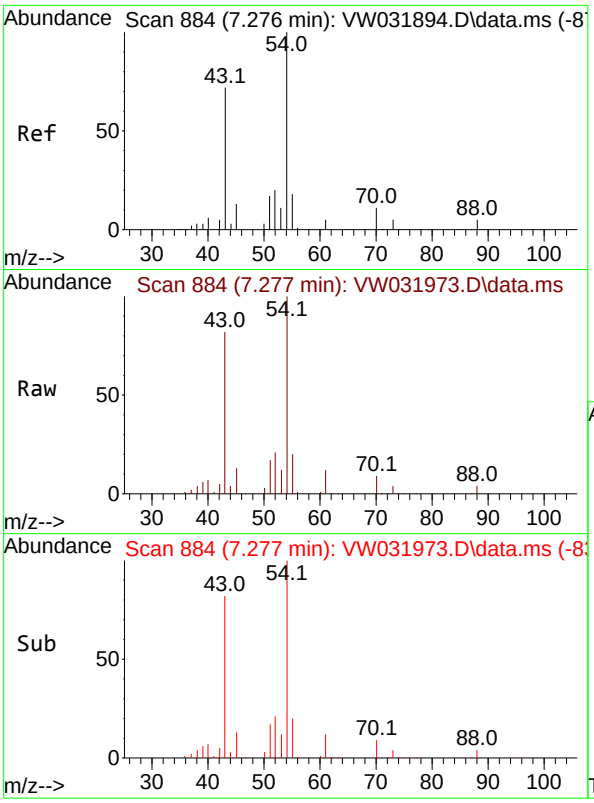


#36
1,1-Dichloropropene
Concen: 19.312 ug/l
RT: 8.094 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 78401

Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.0	50.9
77	31.2	25.1	37.7



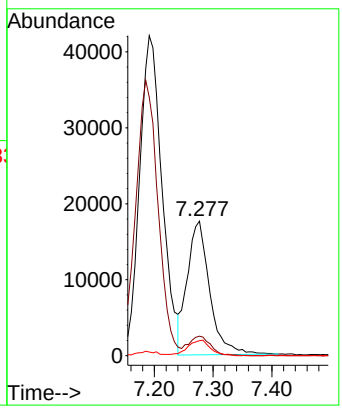


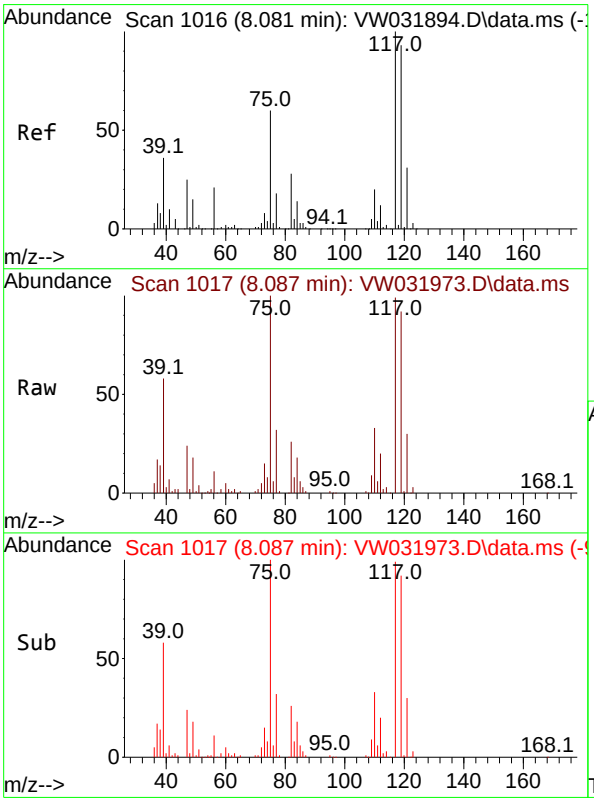
#37
Ethyl Acetate
Concen: 20.154 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 46676

Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	15.8
70	11.6	9.0	13.4

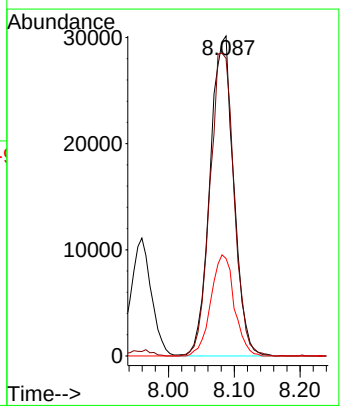


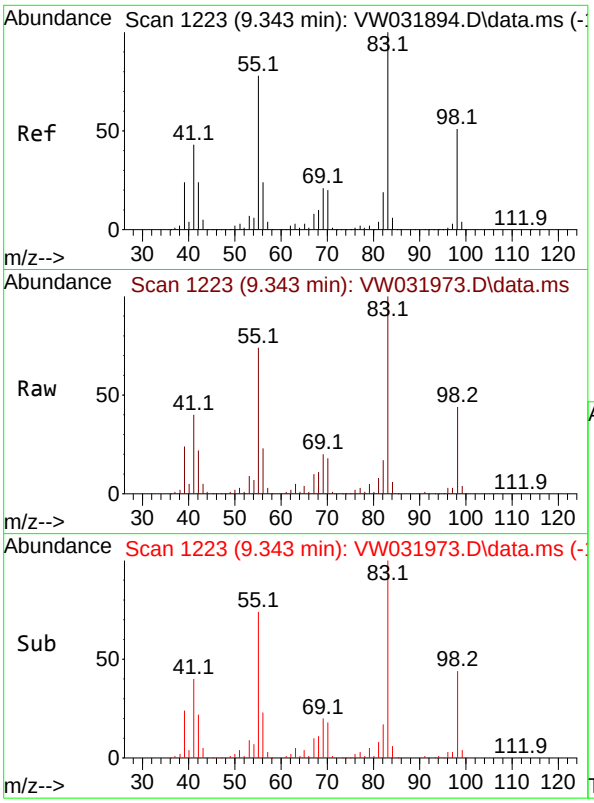


#38
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:117 Resp: 75591

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.3	111.5
121	30.5	24.6	37.0



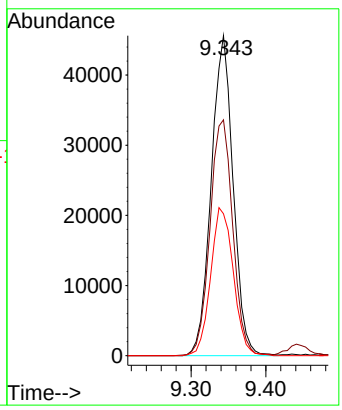


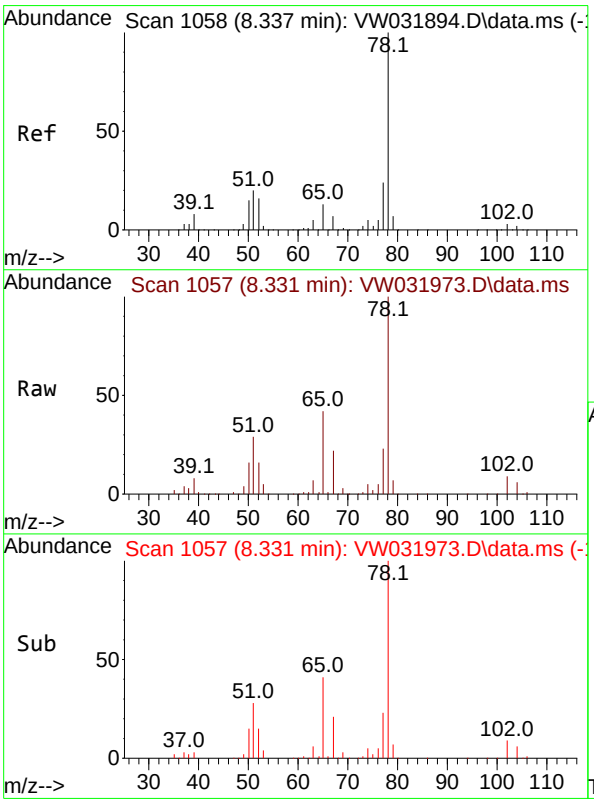
#39
Methylcyclohexane
Concen: 18.151 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 83 Resp: 92733

Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.5	93.7
98	44.4	40.6	61.0

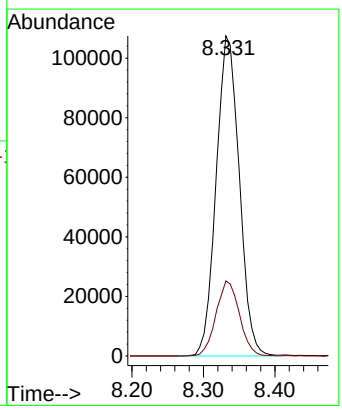


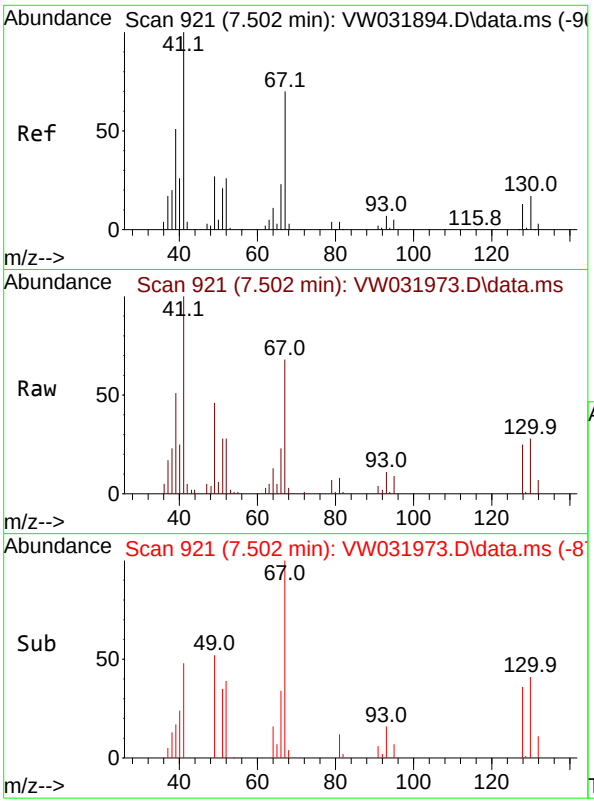


#40
Benzene
Concen: 20.069 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 78 Resp: 241183

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9



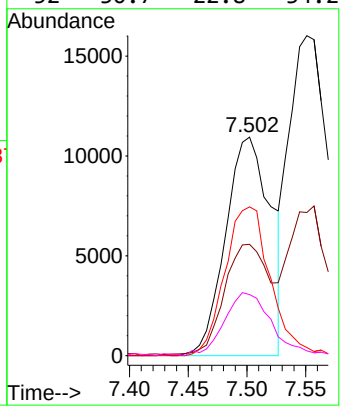


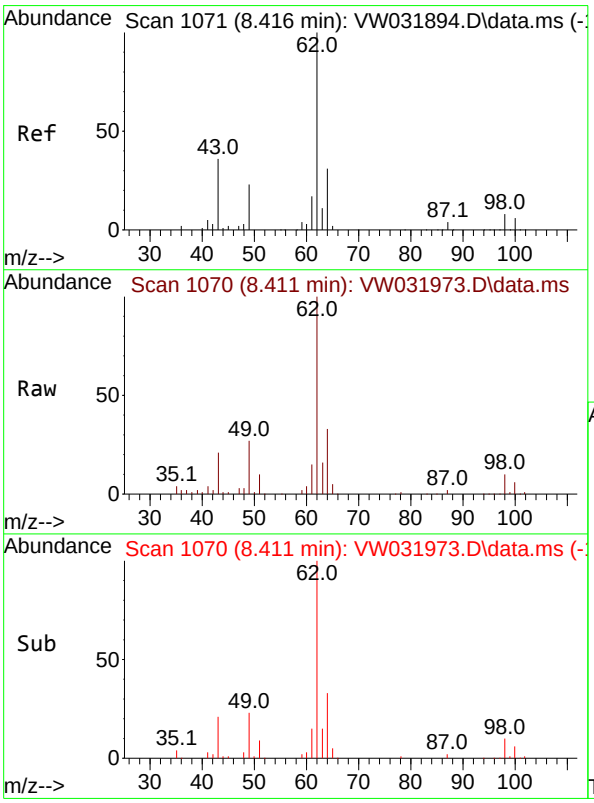
#41
Methacrylonitrile
Concen: 21.077 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 41 Resp: 29220

Ion	Ratio	Lower	Upper
41	100		
39	47.4	41.1	61.7
67	68.9	56.2	84.4
52	30.7	22.8	34.2

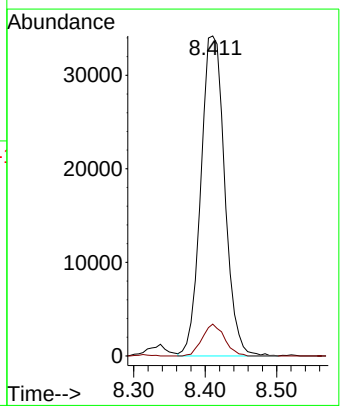


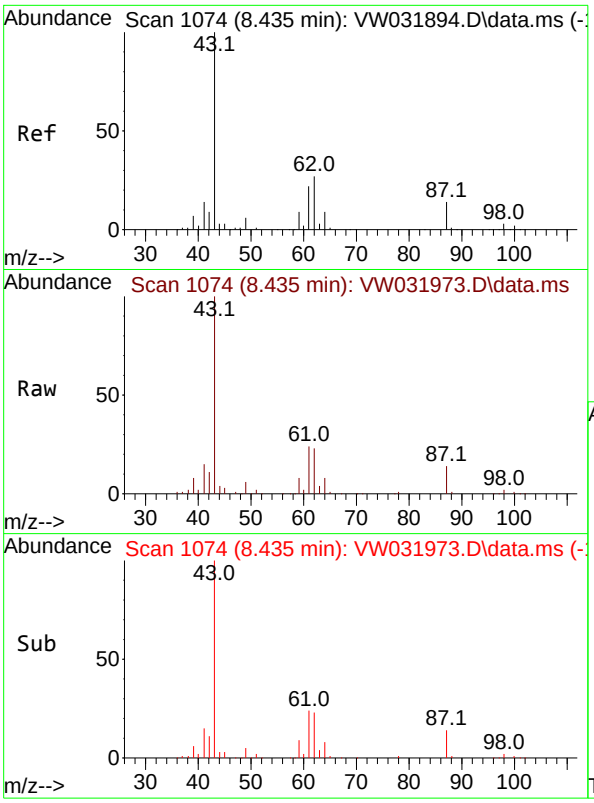


#42
1,2-Dichloroethane
Concen: 20.598 ug/l
RT: 8.411 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 62 Resp: 79225

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



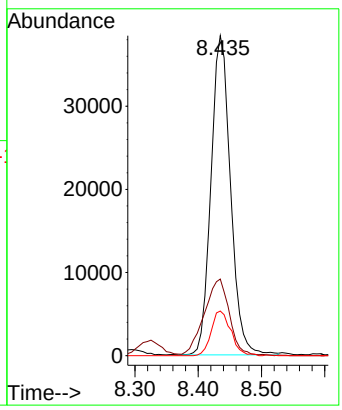


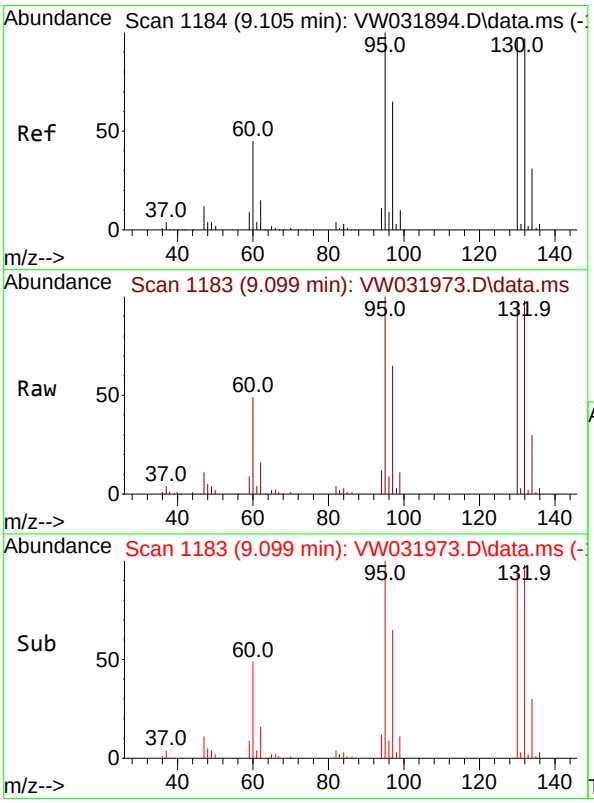
#43
Isopropyl Acetate
Concen: 19.692 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 82562

Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.0	36.0
87	14.0	11.1	16.7

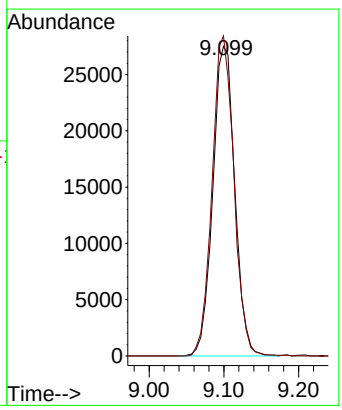


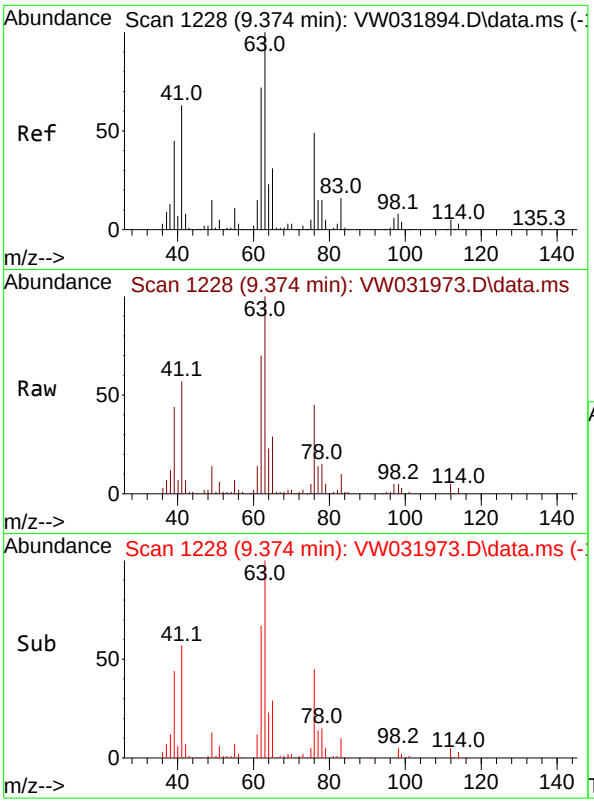


#44
Trichloroethene
Concen: 19.693 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:130 Resp: 56255

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	206.4



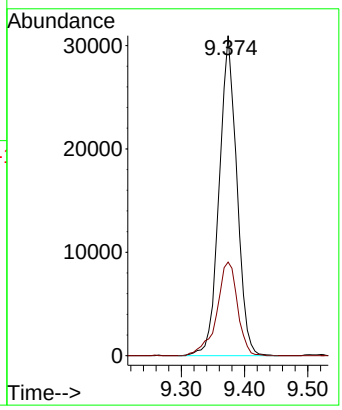


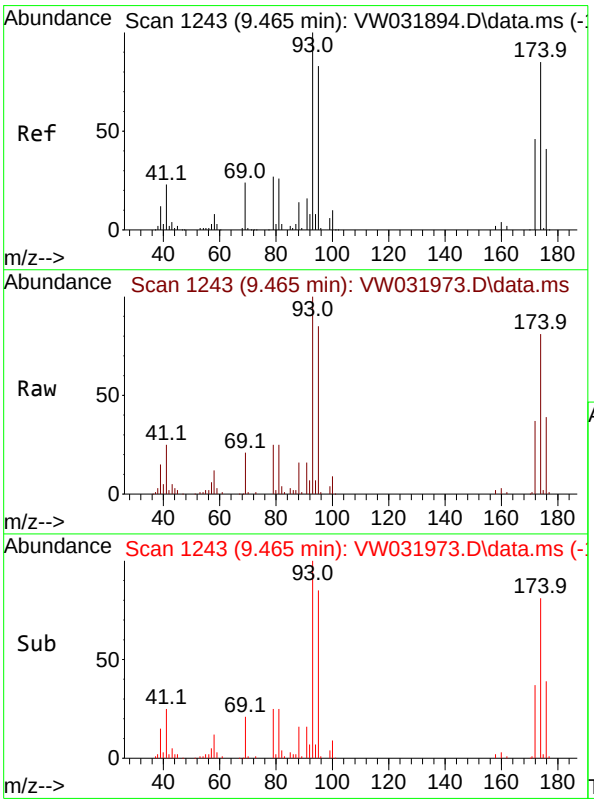
#45
1,2-Dichloropropane
Concen: 20.647 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 63 Resp: 59759

Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.0	37.4

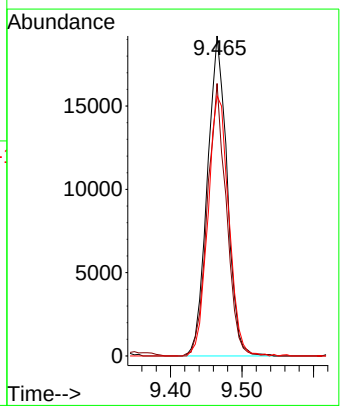


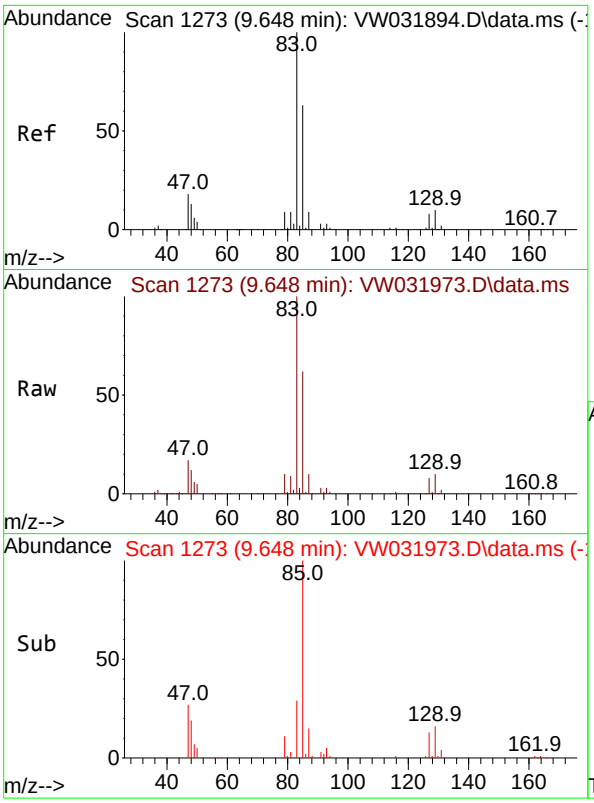


#46
Dibromomethane
Concen: 20.578 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 93 Resp: 36920

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.8	98.6
174	85.5	70.2	105.2



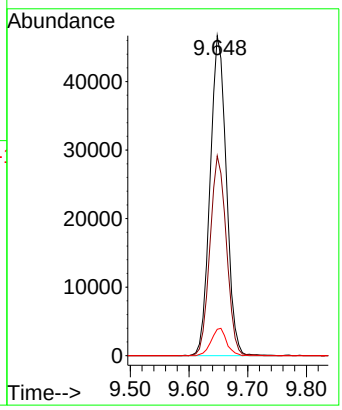


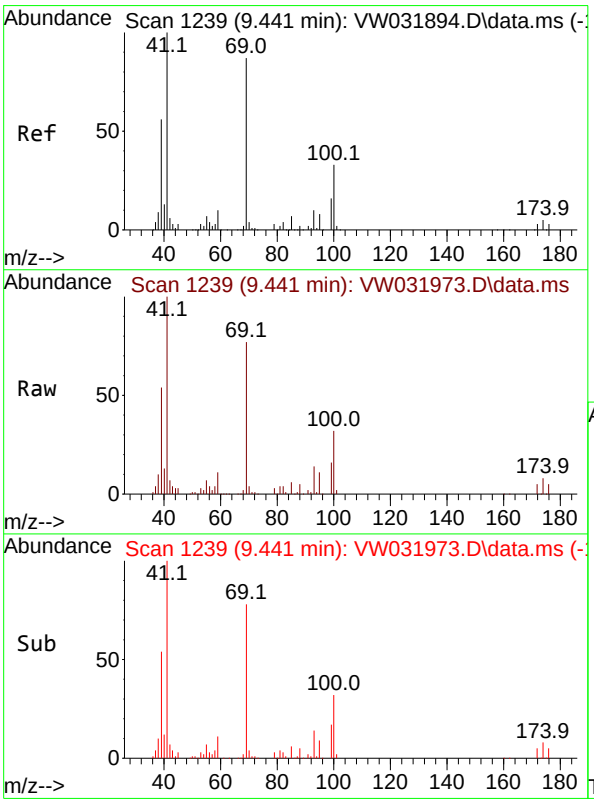
#47
Bromodichloromethane
Concen: 20.833 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 83 Resp: 89630

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	76.0
127	8.3	6.5	9.7

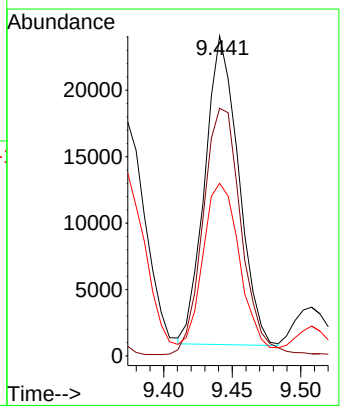


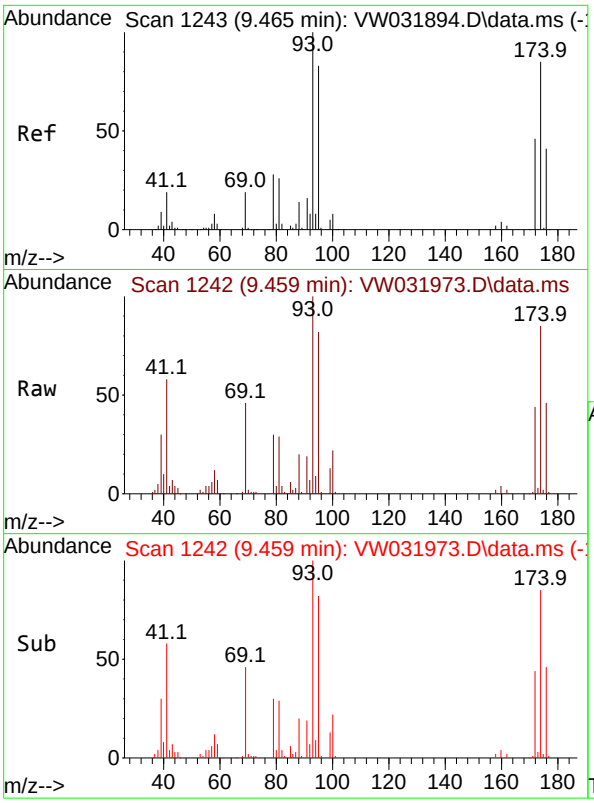


#48
Methyl methacrylate
Concen: 19.856 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 41 Resp: 39606

Ion	Ratio	Lower	Upper
41	100		
69	91.3	73.6	110.4
39	62.3	45.5	68.3



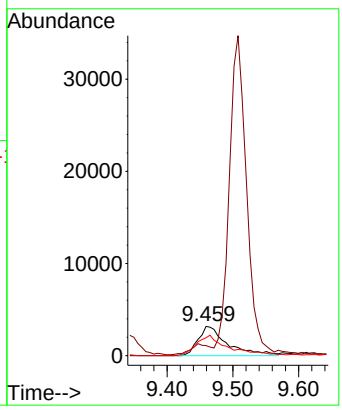


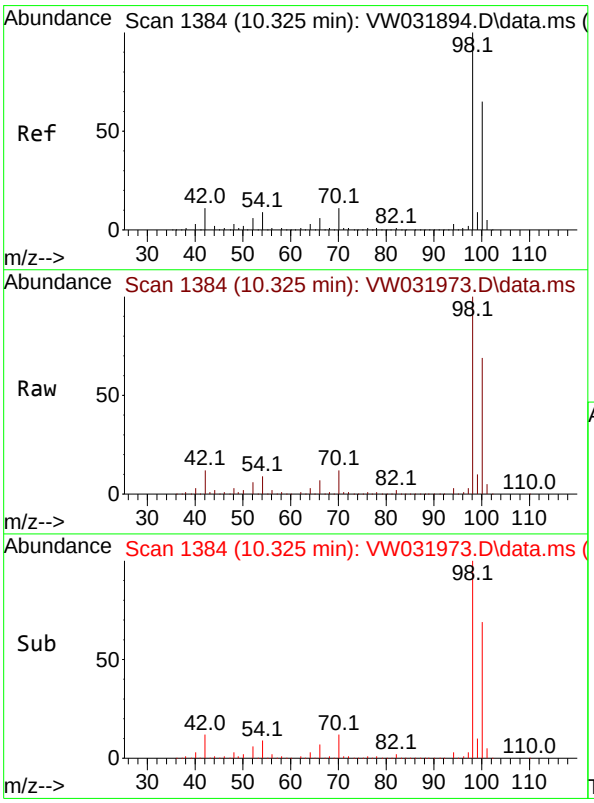
#49
1,4-Dioxane
Concen: 552.435 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 88 Resp: 9890

Ion	Ratio	Lower	Upper
88	100		
43	24.9	19.0	28.4
58	76.0	58.2	87.2

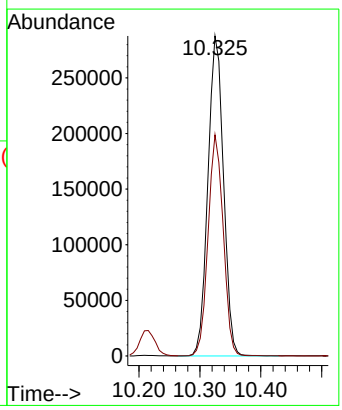


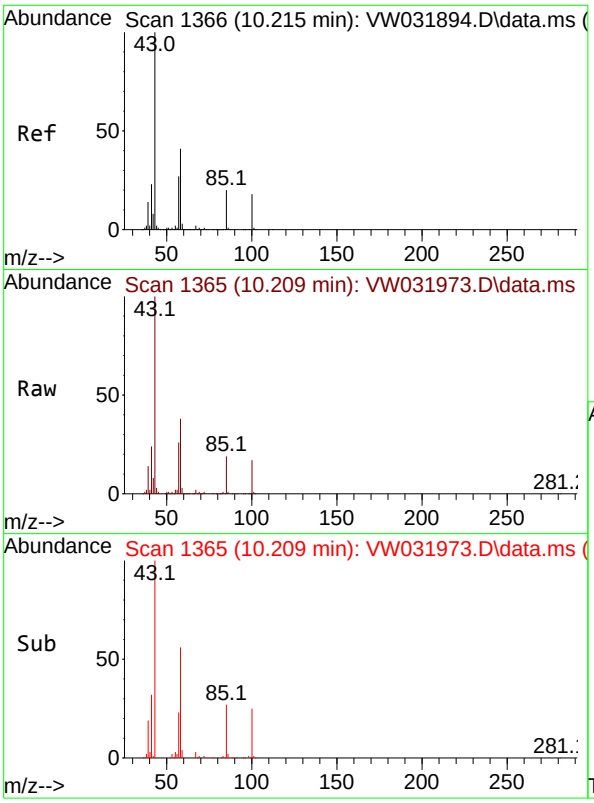


#50
Toluene-d8
Concen: 51.070 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 98 Resp: 510960

Ion	Ratio	Lower	Upper
98	100		
100	67.0	51.7	77.5



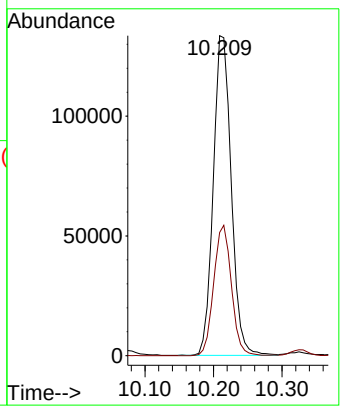


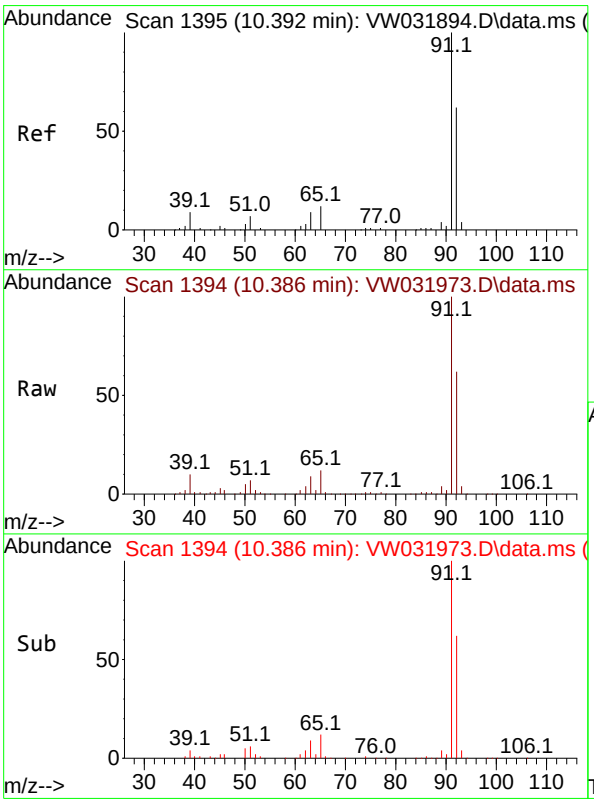
#51
4-Methyl-2-Pentanone
Concen: 105.836 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 242840

Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.8	49.2

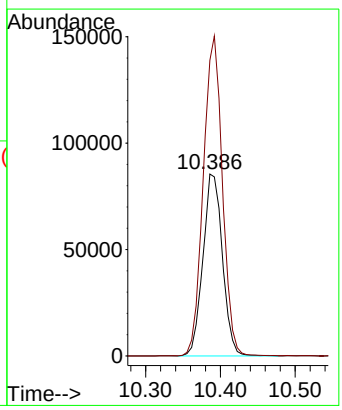


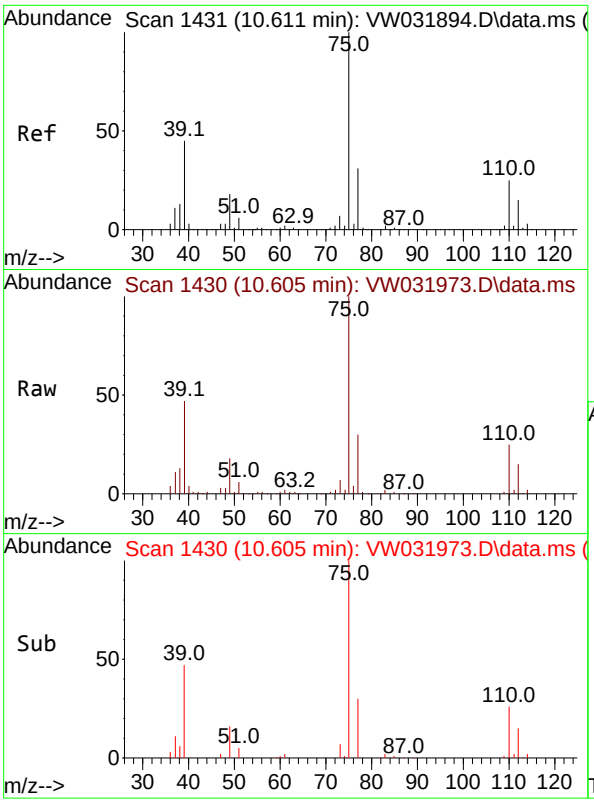


#52
Toluene
Concen: 20.025 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 92 Resp: 154706

Ion	Ratio	Lower	Upper
92	100		
91	172.5	133.7	200.5



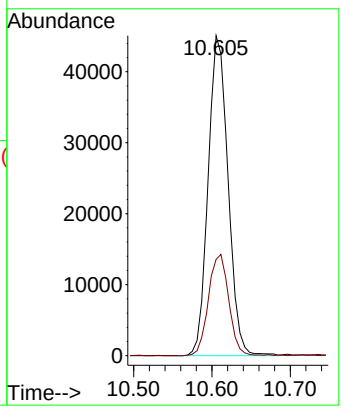


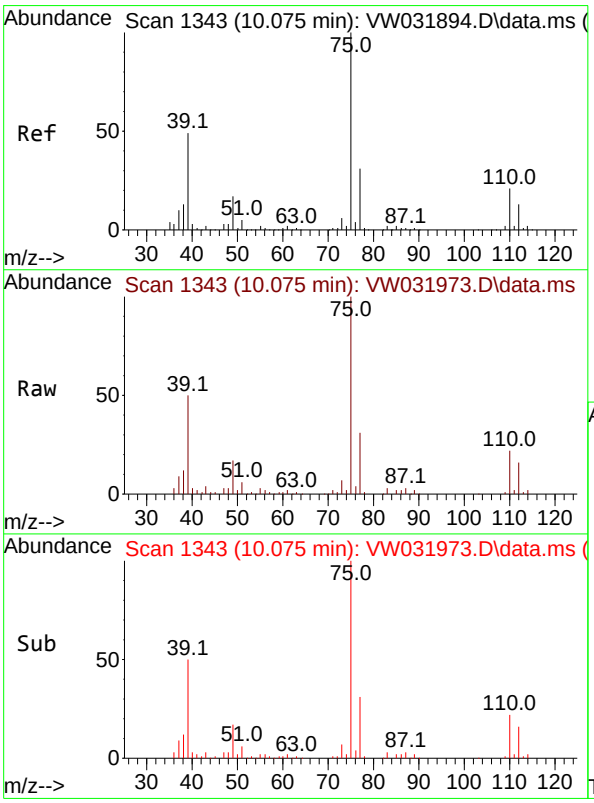
#53
t-1,3-Dichloropropene
Concen: 19.306 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 75 Resp: 79676

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.2	37.8

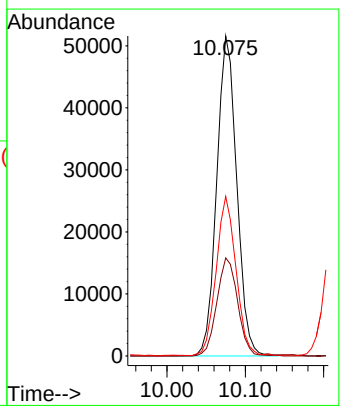


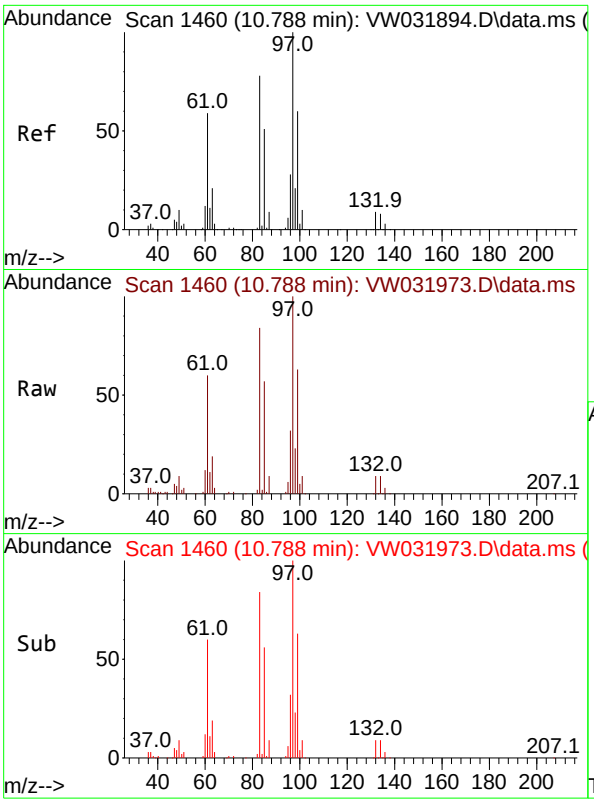


#54
cis-1,3-Dichloropropene
Concen: 19.438 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 91609

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.5	36.7
39	49.7	39.3	58.9



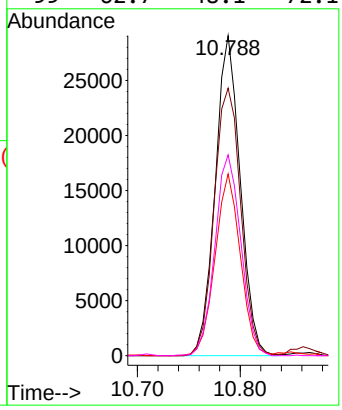


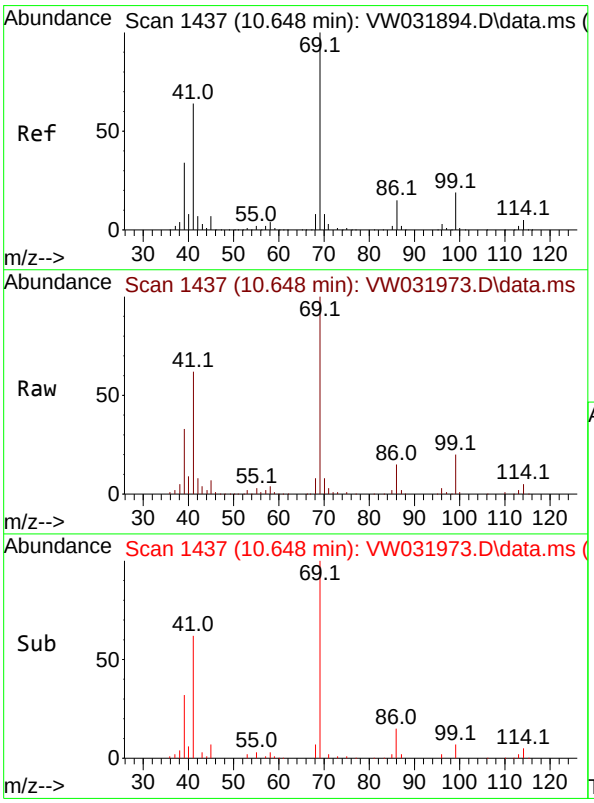
#55
1,1,2-Trichloroethane
Concen: 20.631 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 97 Resp: 49168

Ion	Ratio	Lower	Upper
97	100		
83	83.6	62.4	93.6
85	56.8	41.0	61.6
99	62.7	48.1	72.1

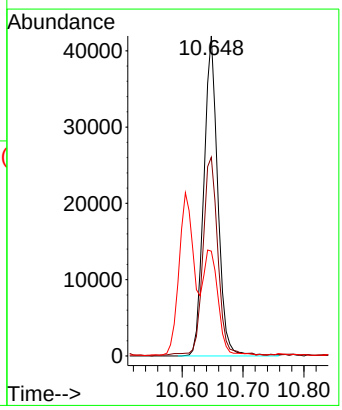


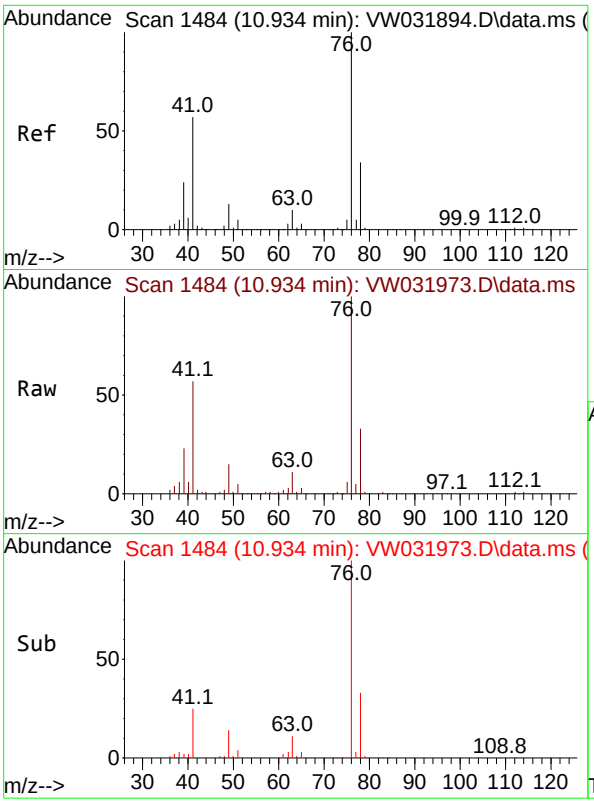


#56
Ethyl methacrylate
Concen: 19.900 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 69 Resp: 66980

Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.0	78.0
39	33.5	26.6	40.0



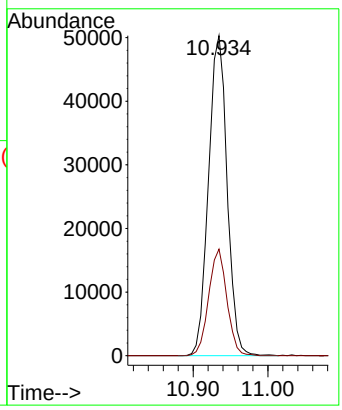


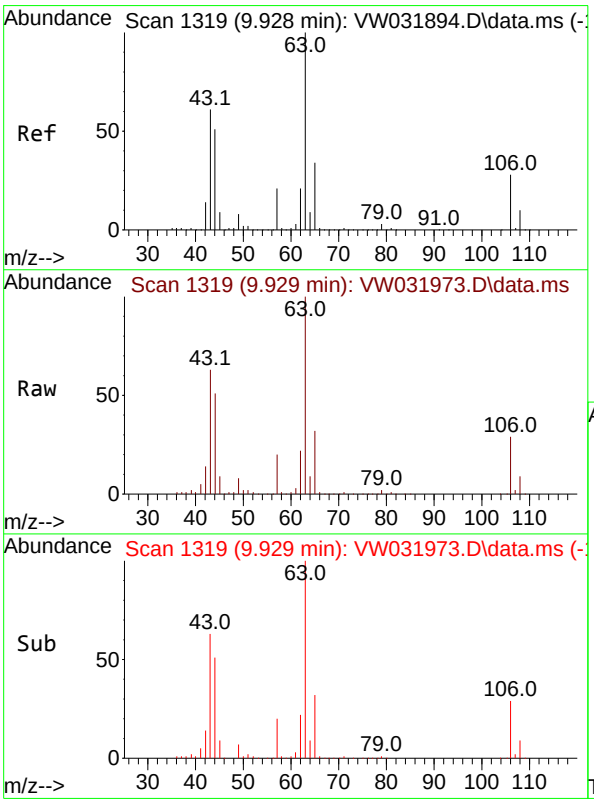
#57
1,3-Dichloropropane
Concen: 20.776 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 76 Resp: 87231

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

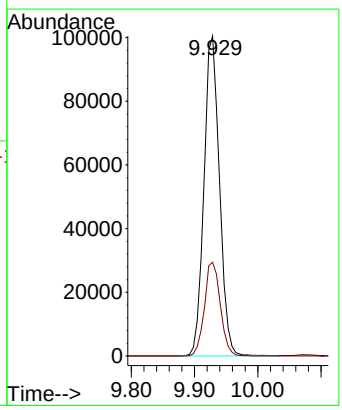


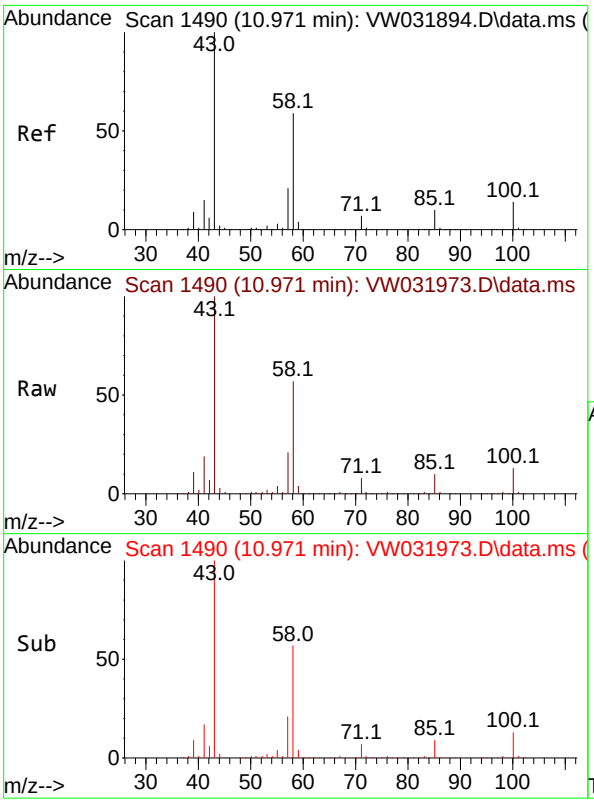


#58
2-Chloroethyl Vinyl ether
Concen: 99.235 ug/l
RT: 9.929 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 63 Resp: 171564

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.7	34.1



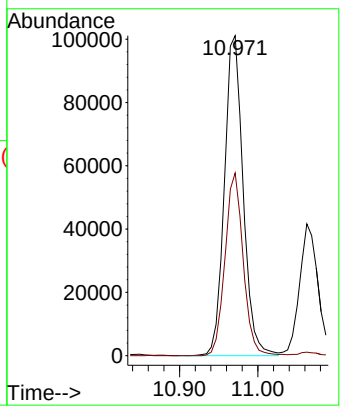


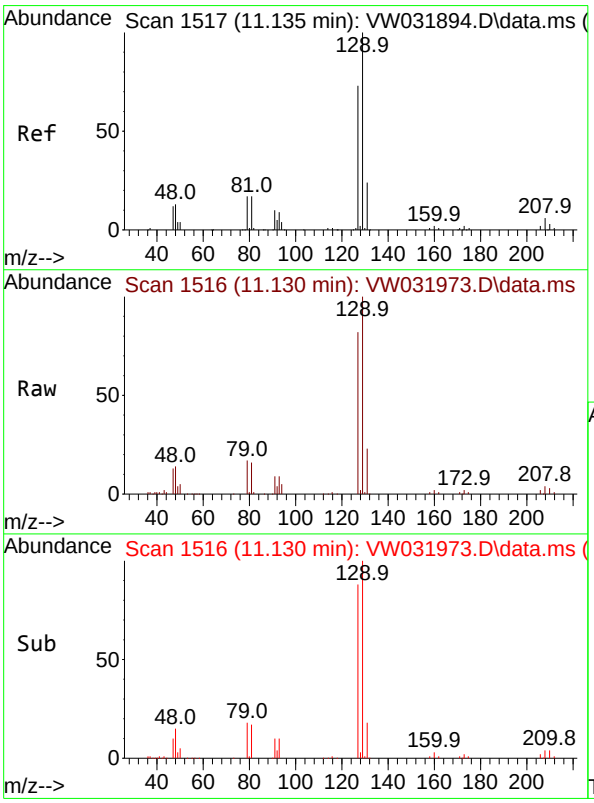
#59
2-Hexanone
Concen: 105.734 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 43 Resp: 168636

Ion	Ratio	Lower	Upper
43	100		
58	55.3	28.5	85.6

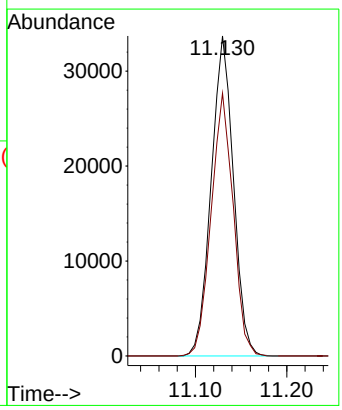


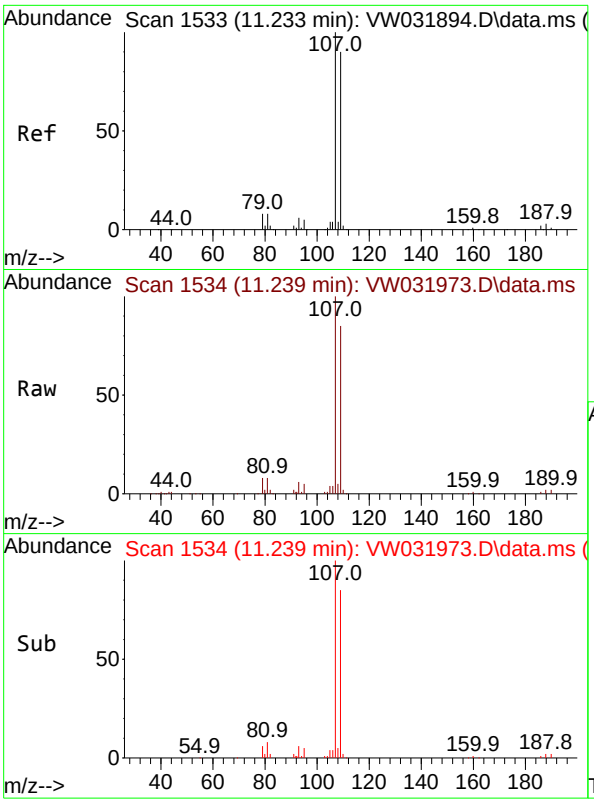


#60
Dibromochloromethane
Concen: 20.481 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:129 Resp: 56909

Ion	Ratio	Lower	Upper
129	100		
127	81.3	39.6	118.8



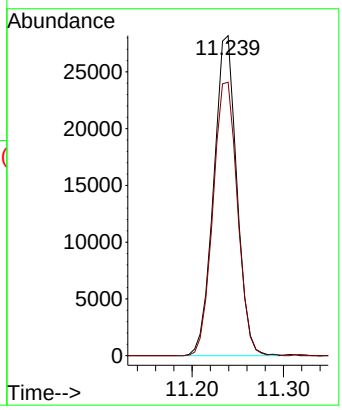


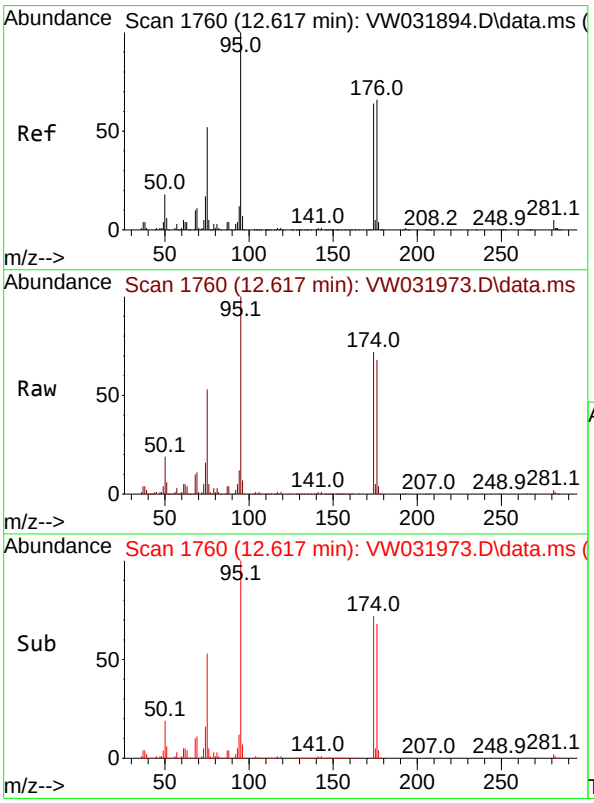
#61
1,2-Dibromoethane
Concen: 21.060 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:107 Resp: 49593

Ion	Ratio	Lower	Upper
107	100		
109	90.2	74.2	111.4

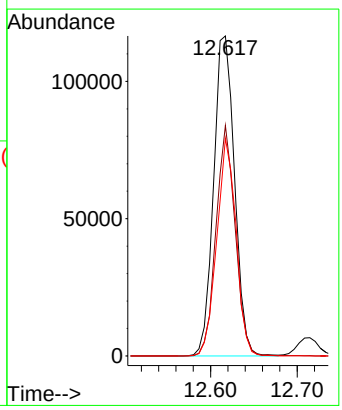


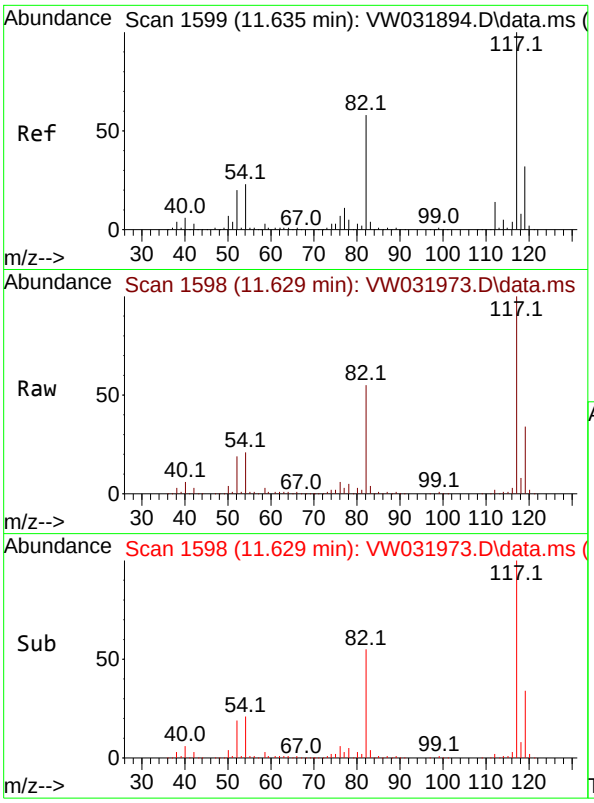


#62
4-Bromofluorobenzene
Concen: 50.937 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 95 Resp: 195687

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	129.8
176	62.7	0.0	130.4



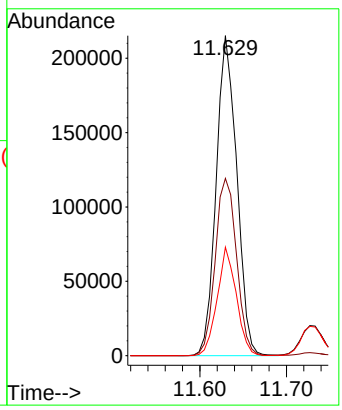


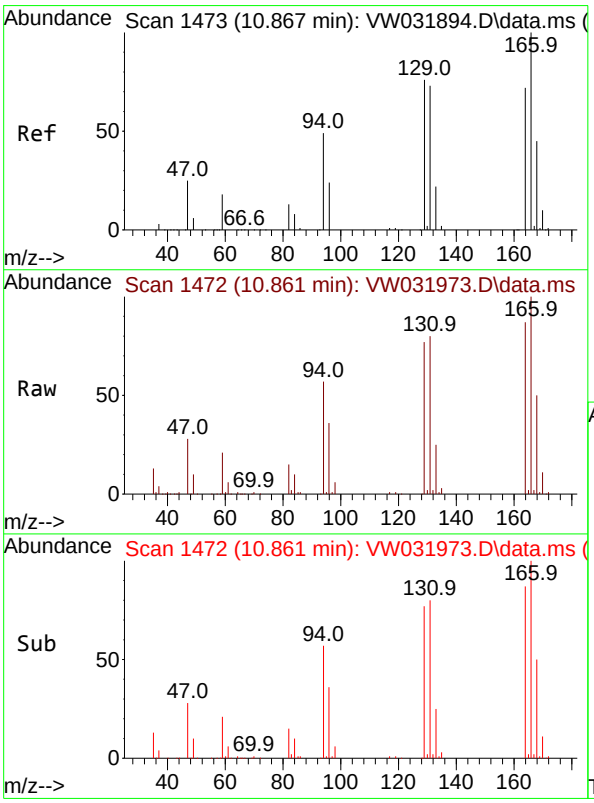
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:117 Resp: 355301

Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.5	69.7
119	33.9	25.8	38.6

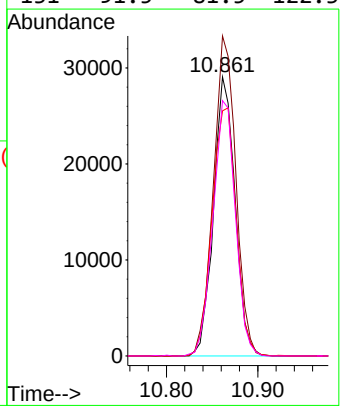


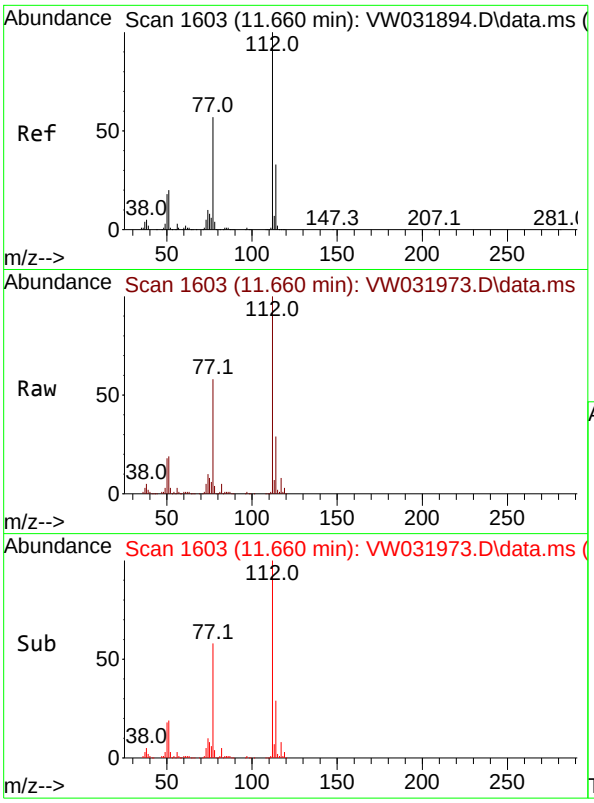


#64
Tetrachloroethene
Concen: 20.337 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:164 Resp: 47641

Ion	Ratio	Lower	Upper
164	100		
166	114.7	111.5	167.3
129	87.8	85.1	127.7
131	91.5	81.5	122.3



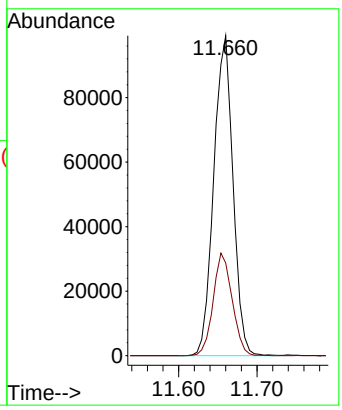


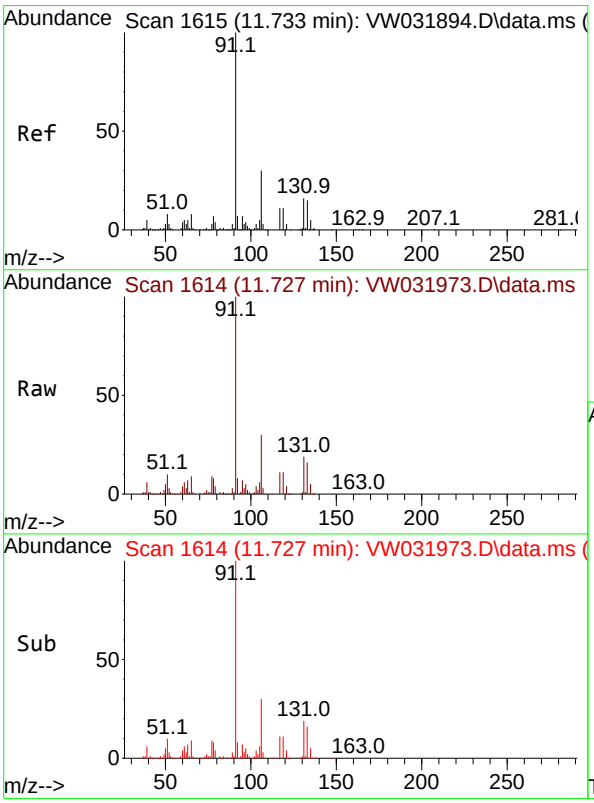
#65
Chlorobenzene
Concen: 19.459 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:112 Resp: 169215

Ion	Ratio	Lower	Upper
112	100		
114	28.9	26.2	39.2

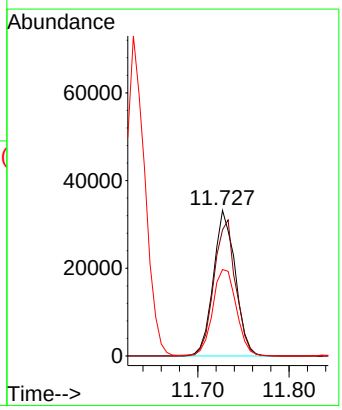


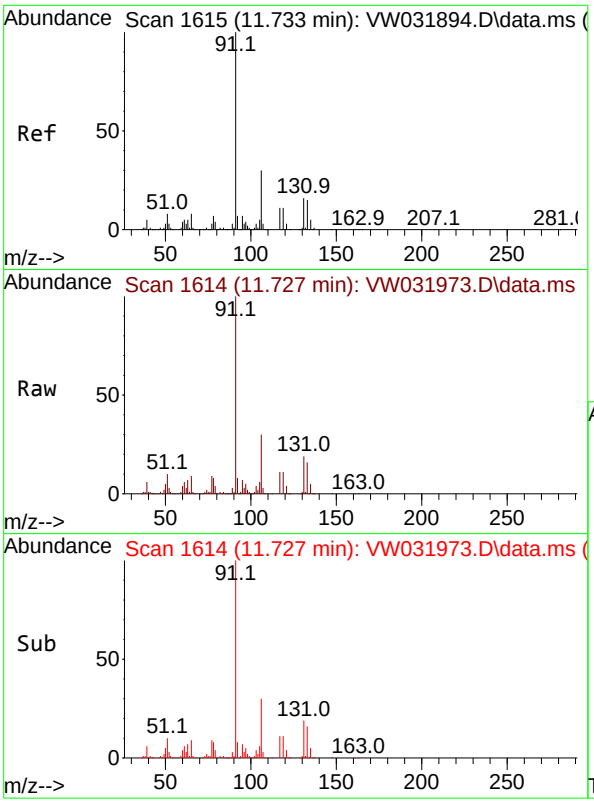


#66
1,1,1,2-Tetrachloroethane
Concen: 20.510 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:131 Resp: 55290

Ion	Ratio	Lower	Upper
131	100		
133	92.7	48.1	144.4
119	64.6	33.7	101.1



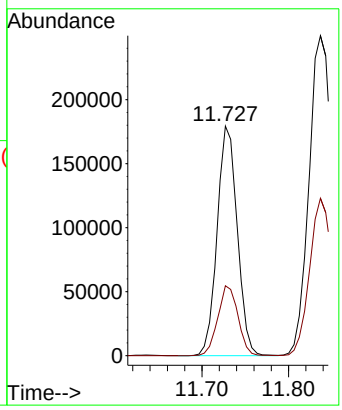


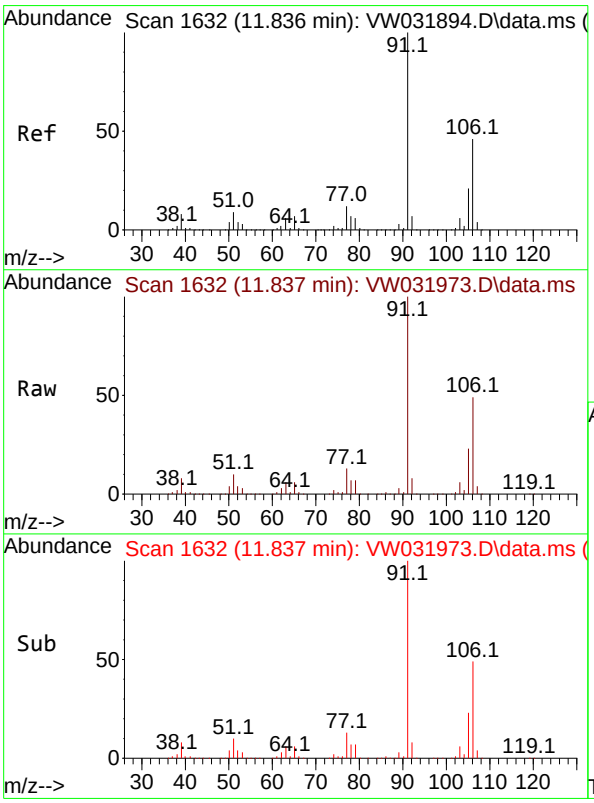
#67
Ethyl Benzene
Concen: 18.937 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 91 Resp: 289325

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.6

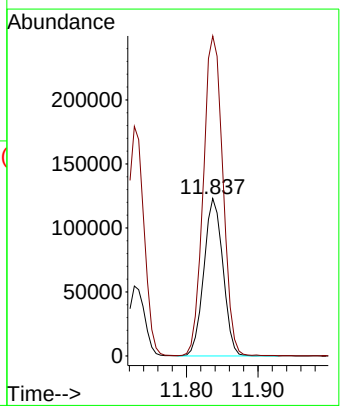


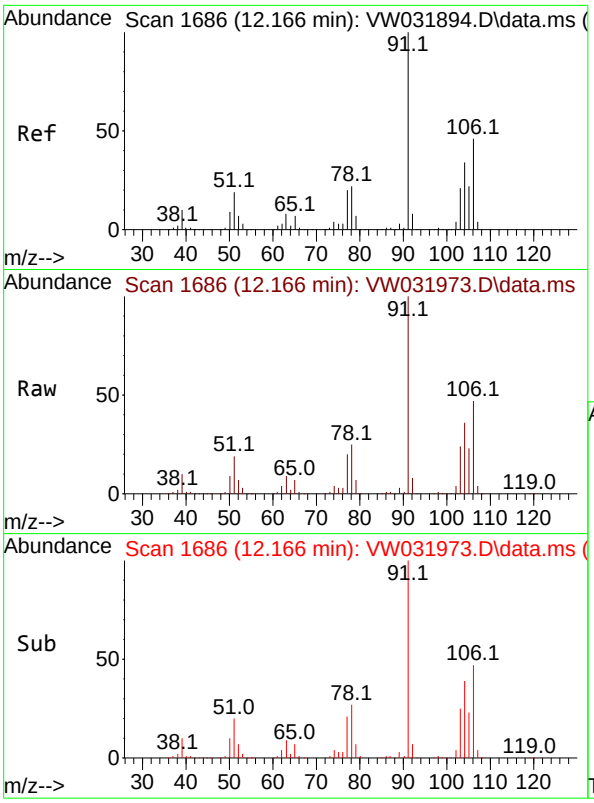


#68
m/p-Xylenes
Concen: 39.631 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:106 Resp: 227948

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.7	251.5



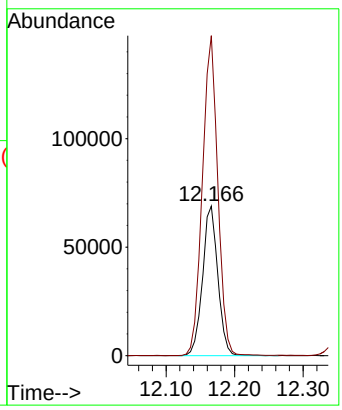


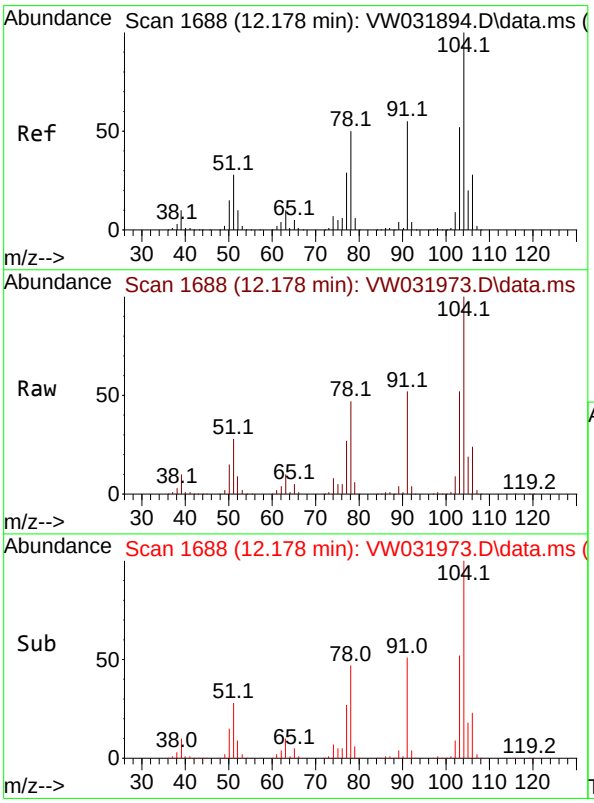
#69
o-Xylene
Concen: 19.636 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:106 Resp: 106885

Ion	Ratio	Lower	Upper
106	100		
91	216.4	108.2	324.6

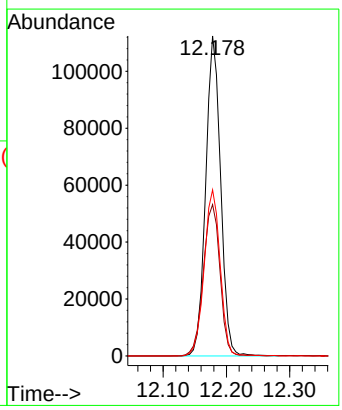


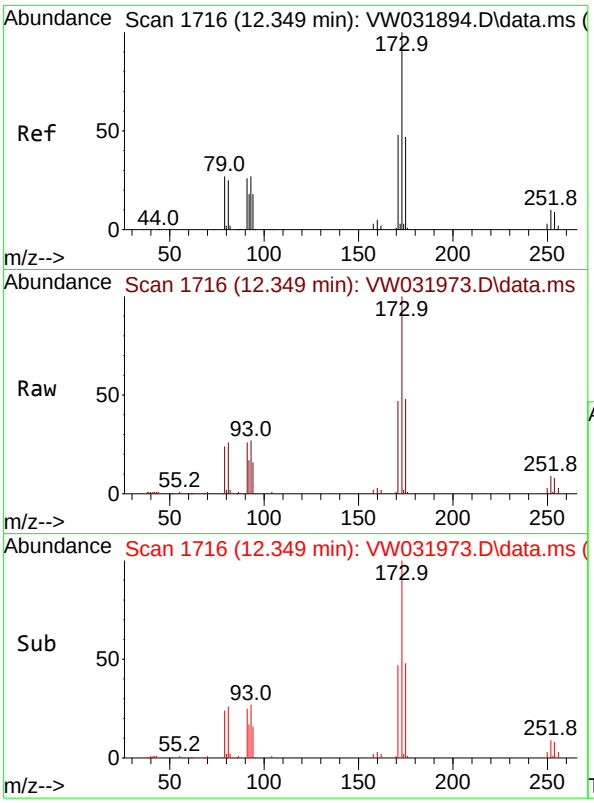


#70
Styrene
Concen: 19.931 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:104 Resp: 184711

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.4
103	55.6	42.8	64.2



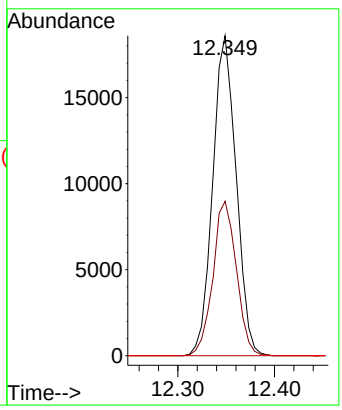


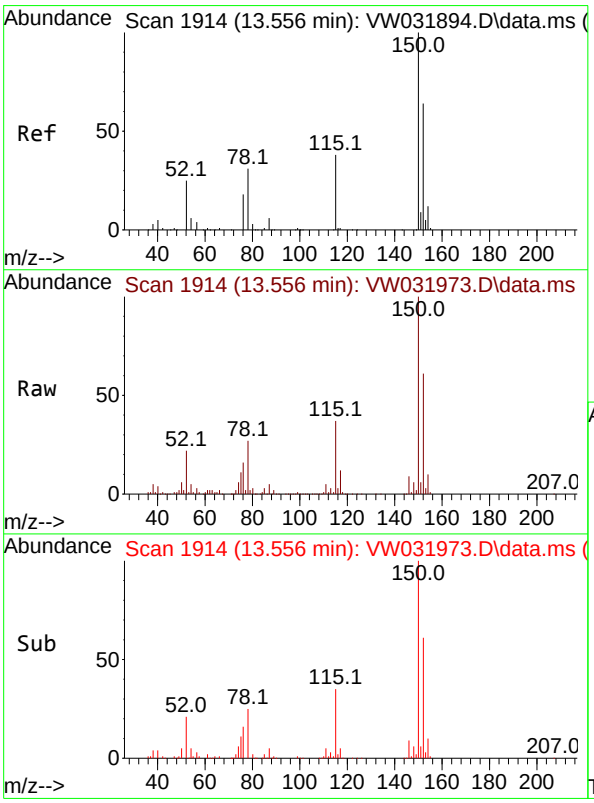
#71
Bromoform
Concen: 21.189 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:173 Resp: 31240

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.0	0.2	0.2#

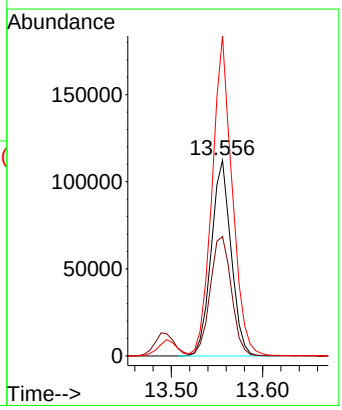


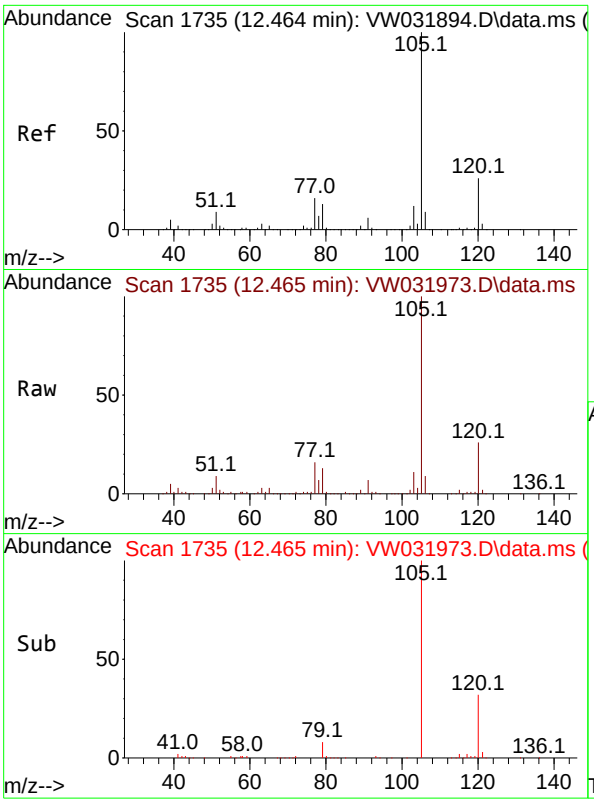


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:152 Resp: 169621

Ion	Ratio	Lower	Upper
152	100		
115	65.1	33.4	100.1
150	165.6	0.0	352.2



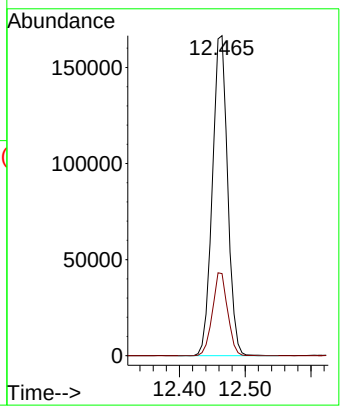


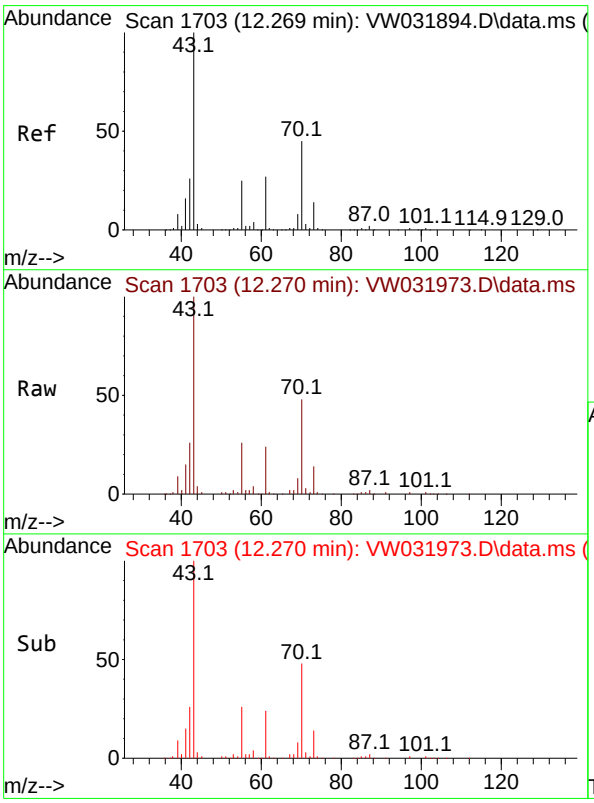
#73
Isopropylbenzene
Concen: 18.237 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:105 Resp: 268400

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

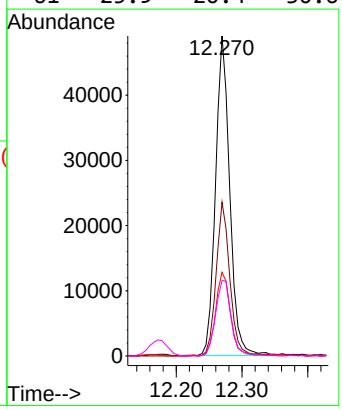


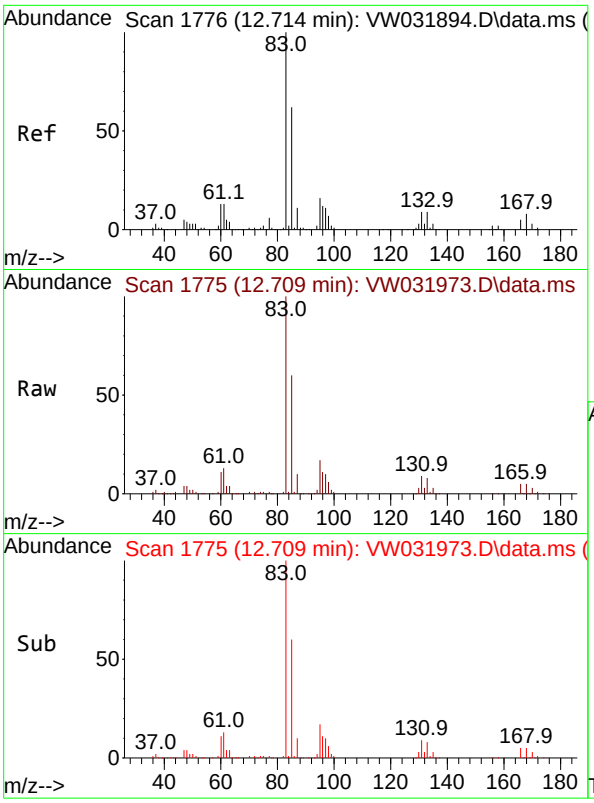


#74
N-amyl acetate
Concen: 18.535 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 43 Resp: 73747

Ion	Ratio	Lower	Upper
43	100		
70	46.9	36.6	55.0
55	27.3	20.7	31.1
61	25.9	20.4	30.6



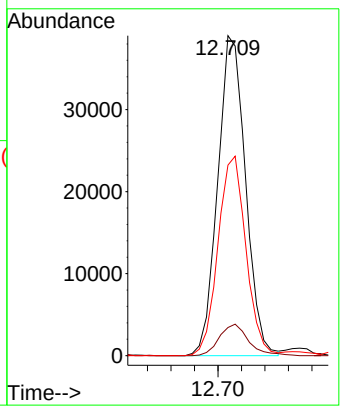


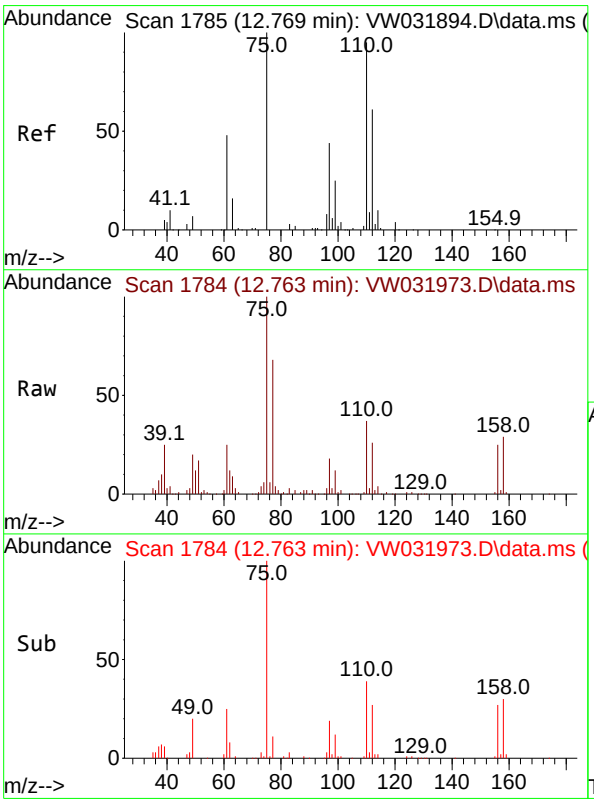
#75
1,1,2,2-Tetrachloroethane
Concen: 20.554 ug/l
RT: 12.709 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 83 Resp: 64210

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	62.5	31.8	95.3

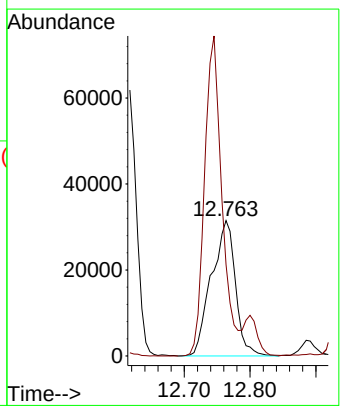


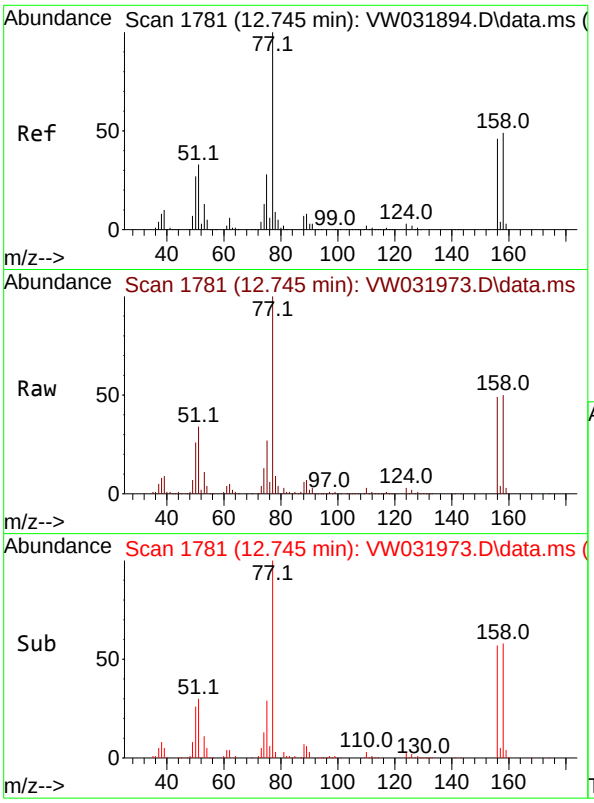


#76
1,2,3-Trichloropropane
Concen: 34.247 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 80201

Ion	Ratio	Lower	Upper
75	100		
77	170.2	0.0	0.0#



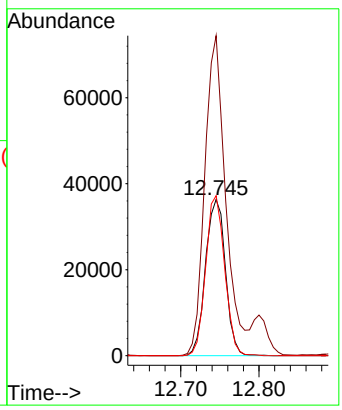


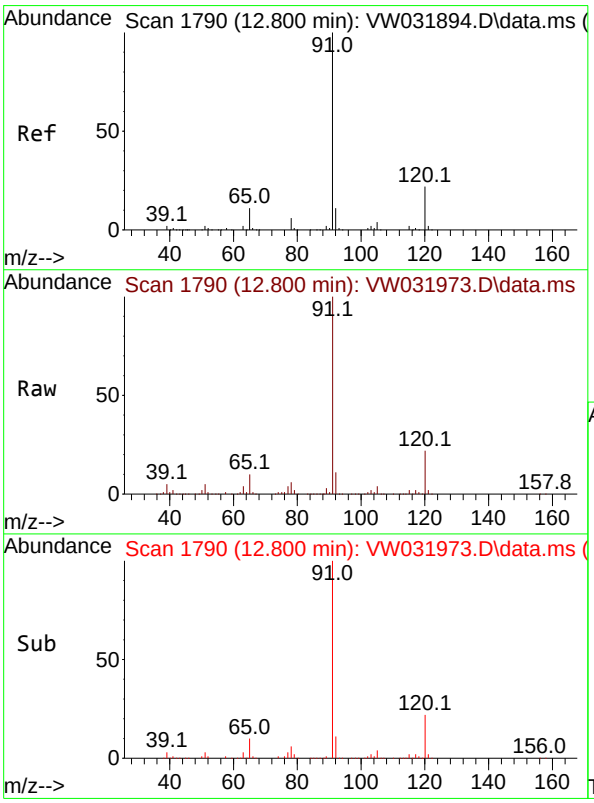
#77
Bromobenzene
Concen: 20.098 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:156 Resp: 64000

Ion	Ratio	Lower	Upper
156	100		
77	213.2	115.3	345.8
158	98.0	50.1	150.3

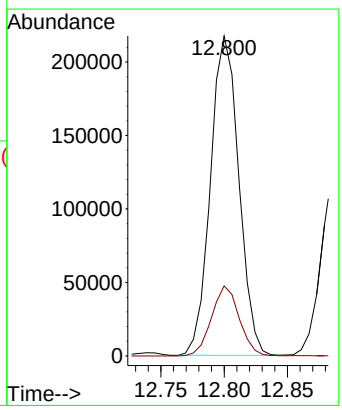


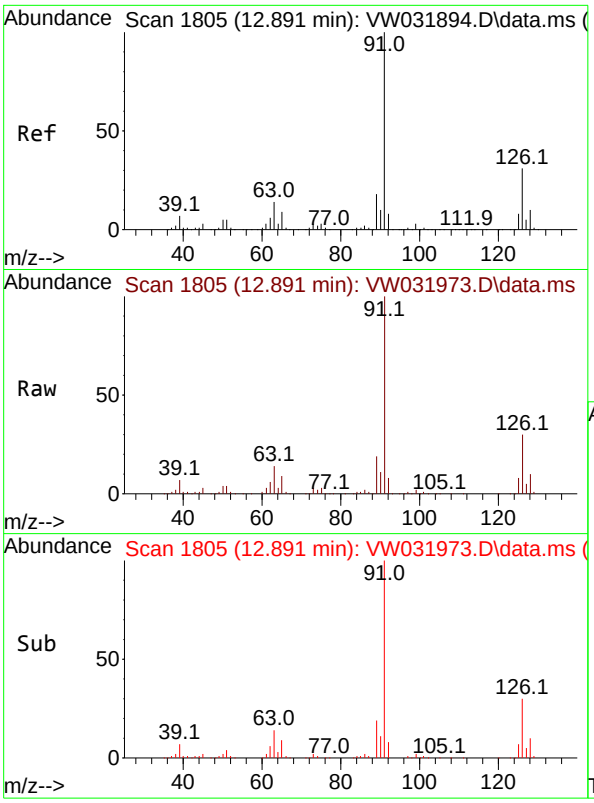


#78
n-propylbenzene
Concen: 18.750 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 91 Resp: 338914

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.6



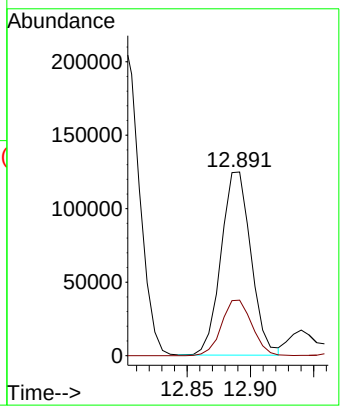


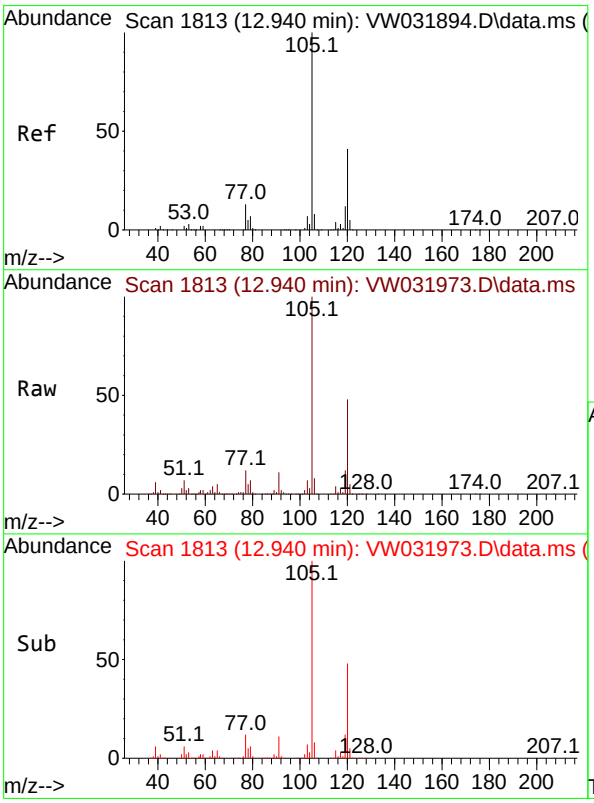
#79
2-Chlorotoluene
Concen: 19.048 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 91 Resp: 205568

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8

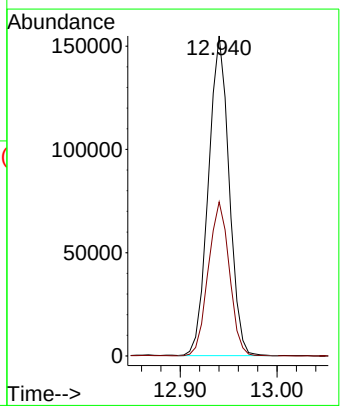


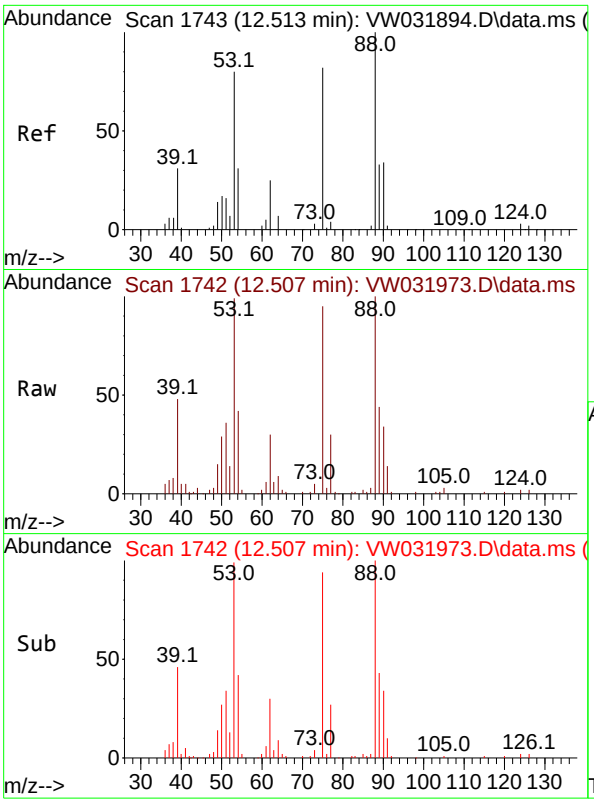


#80
1,3,5-Trimethylbenzene
Concen: 18.628 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:105 Resp: 229932

Ion	Ratio	Lower	Upper
105	100		
120	49.1	23.5	70.5



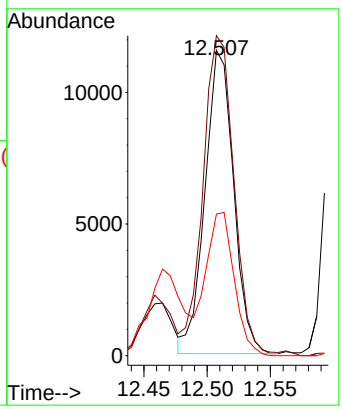


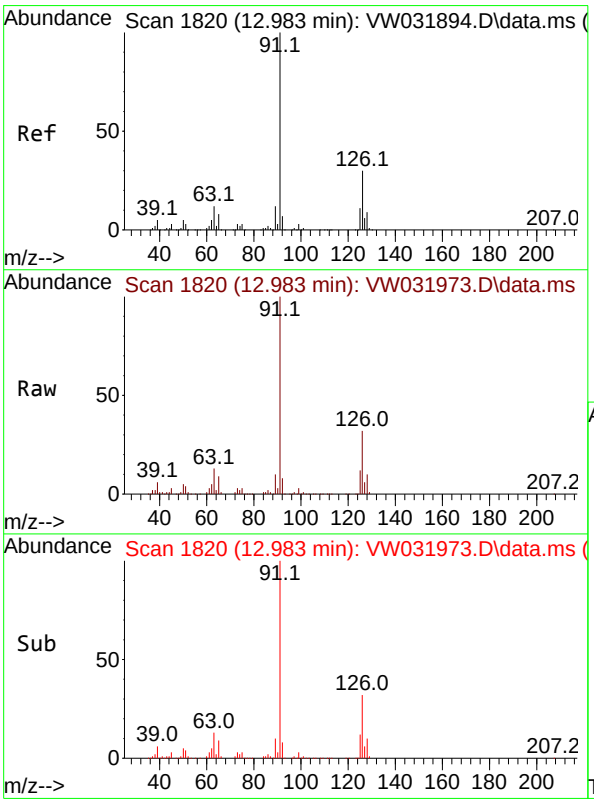
#81
trans-1,4-Dichloro-2-butene
Concen: 17.856 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 75 Resp: 18112

Ion	Ratio	Lower	Upper
75	100		
53	115.1	83.7	125.5
89	46.5	39.0	58.6

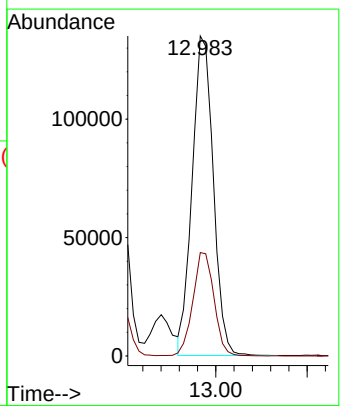


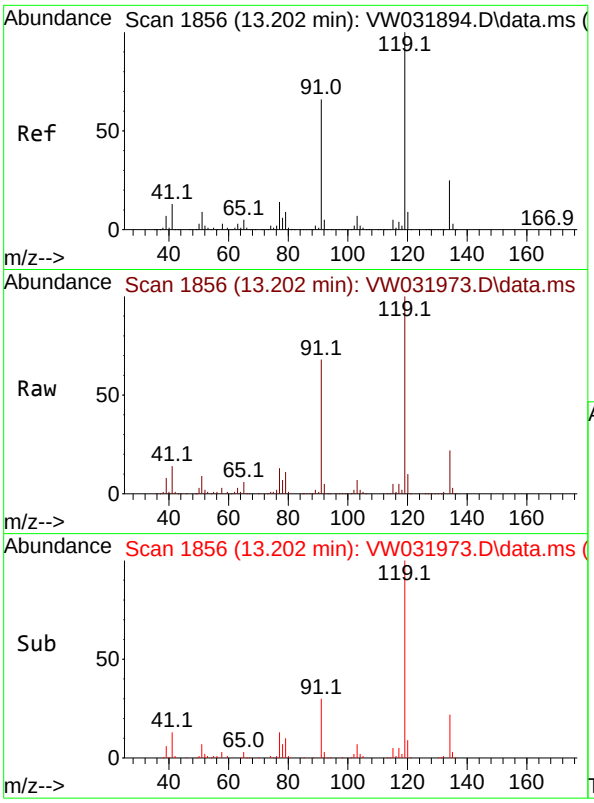


#82
4-Chlorotoluene
Concen: 19.120 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 91 Resp: 216472

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.8	47.3



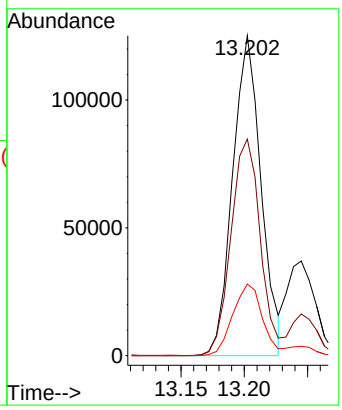


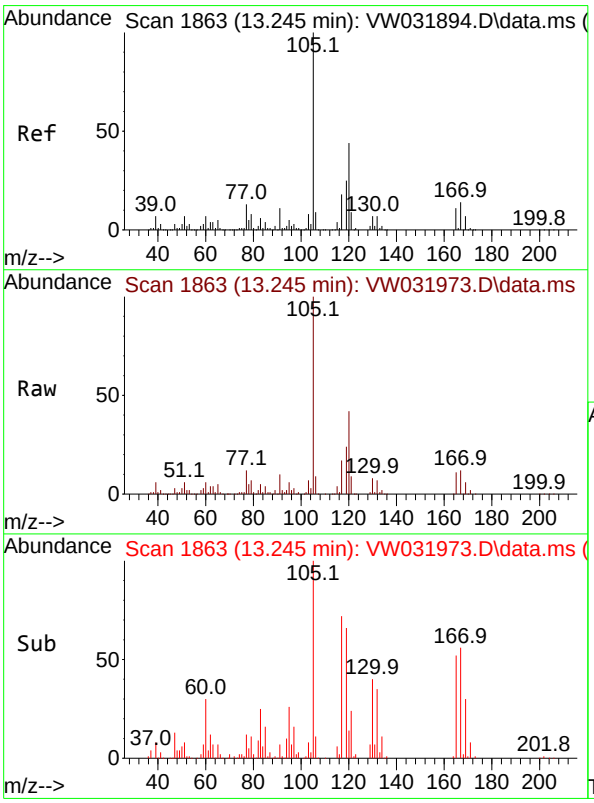
#83
tert-Butylbenzene
Concen: 18.615 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:119 Resp: 195715

Ion	Ratio	Lower	Upper
119	100		
91	69.6	35.5	106.5
134	23.7	12.4	37.0

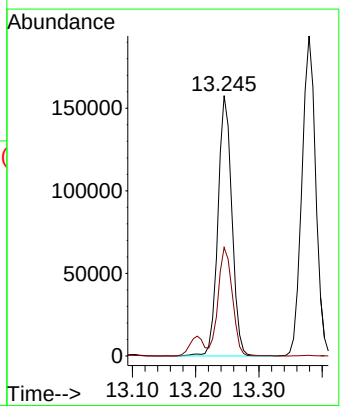


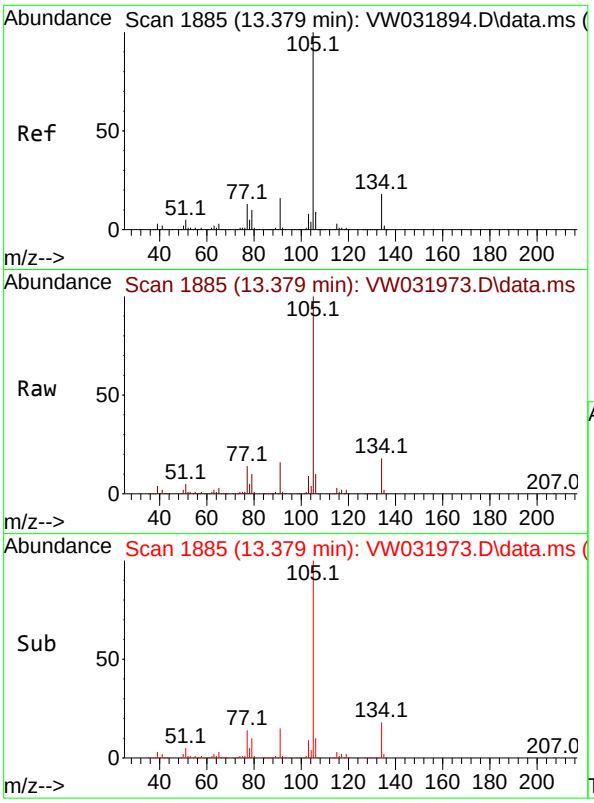


#84
1,2,4-Trimethylbenzene
Concen: 19.191 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:105 Resp: 239764

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.3	63.9



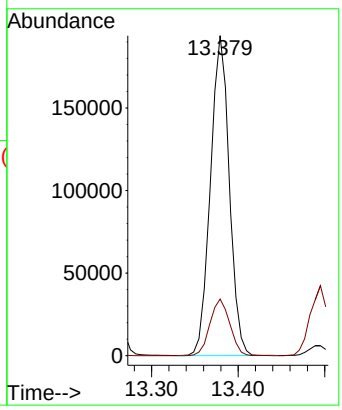


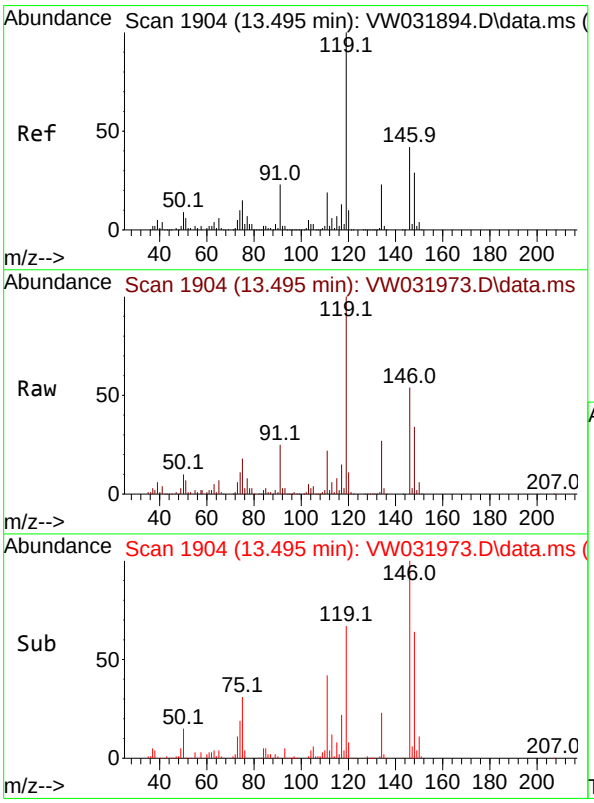
#85
sec-Butylbenzene
Concen: 18.553 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:105 Resp: 292934

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.2	27.6

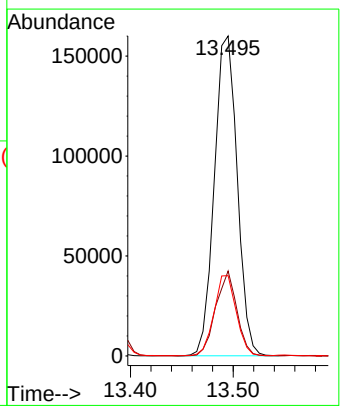


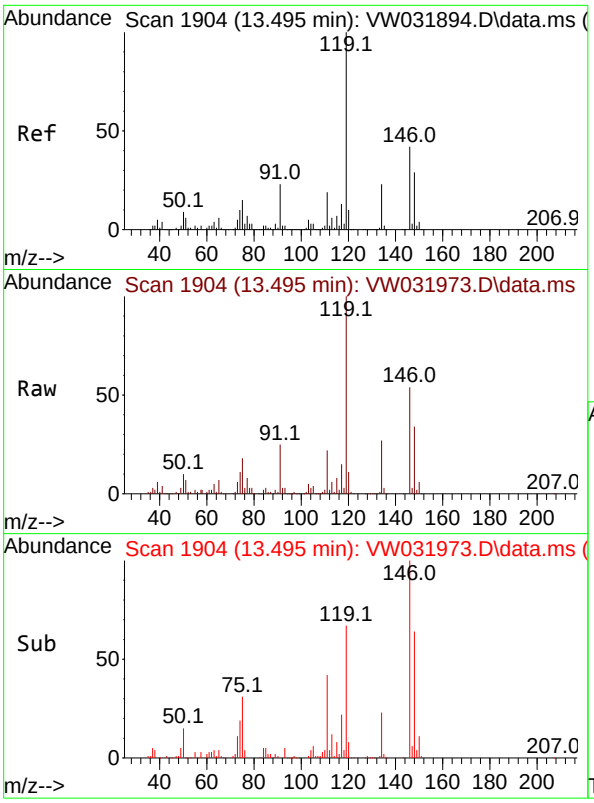


#86
p-Isopropyltoluene
Concen: 18.915 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:119 Resp: 246860

Ion	Ratio	Lower	Upper
119	100		
134	24.5	13.0	39.0
91	24.3	12.7	38.1



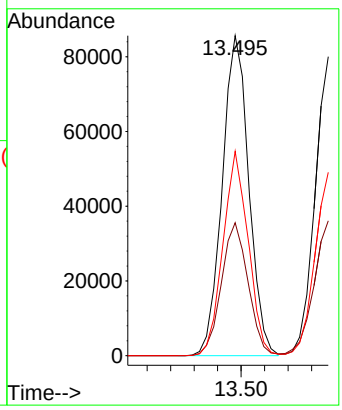


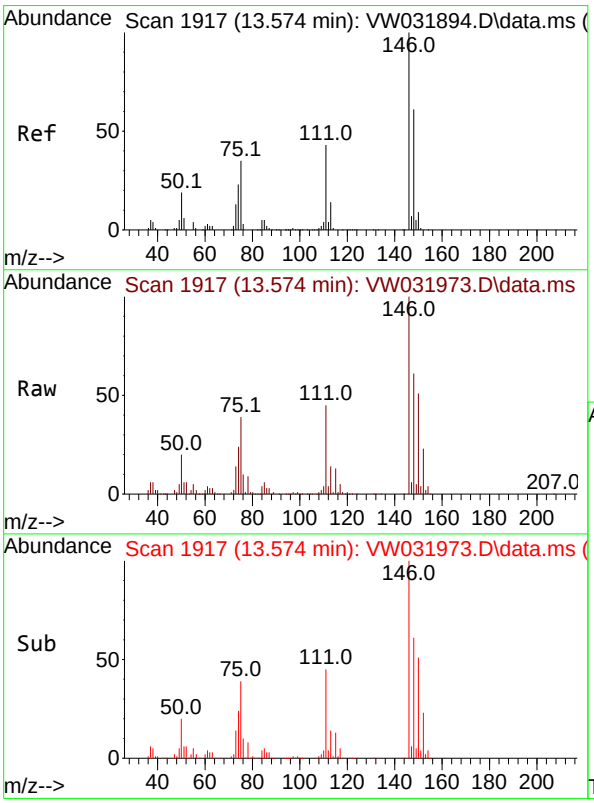
#87
1,3-Dichlorobenzene
Concen: 20.288 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:146 Resp: 134477

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.9	65.7
148	60.6	31.9	95.5

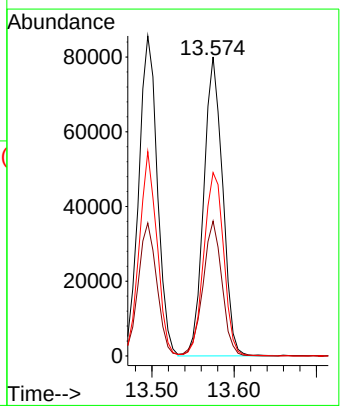


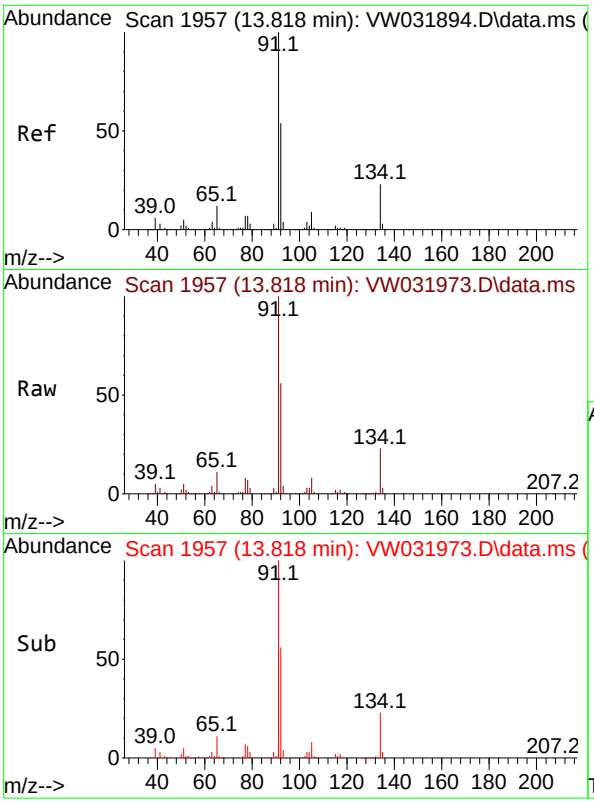


#88
1,4-Dichlorobenzene
Concen: 19.618 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:146 Resp: 127388

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.1	66.3
148	64.7	31.8	95.3



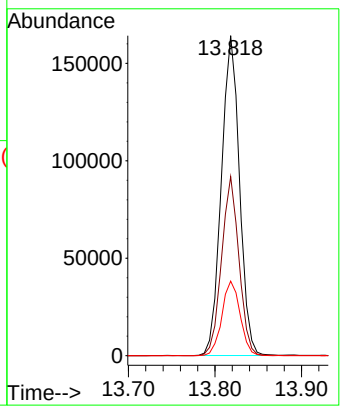


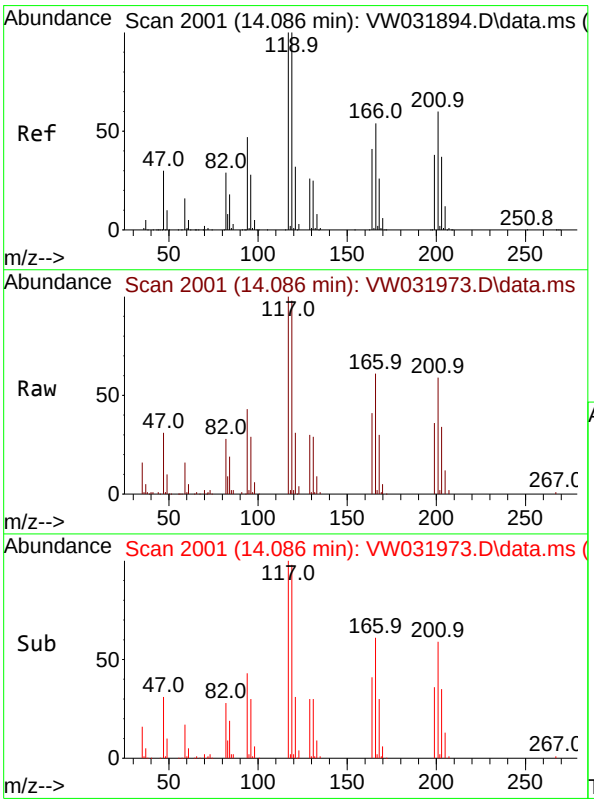
#89
n-Butylbenzene
Concen: 18.637 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion: 91 Resp: 238599

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.5
134	23.5	11.6	34.7

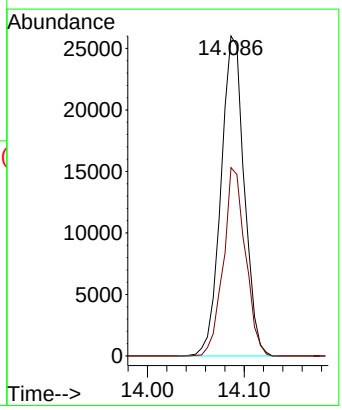


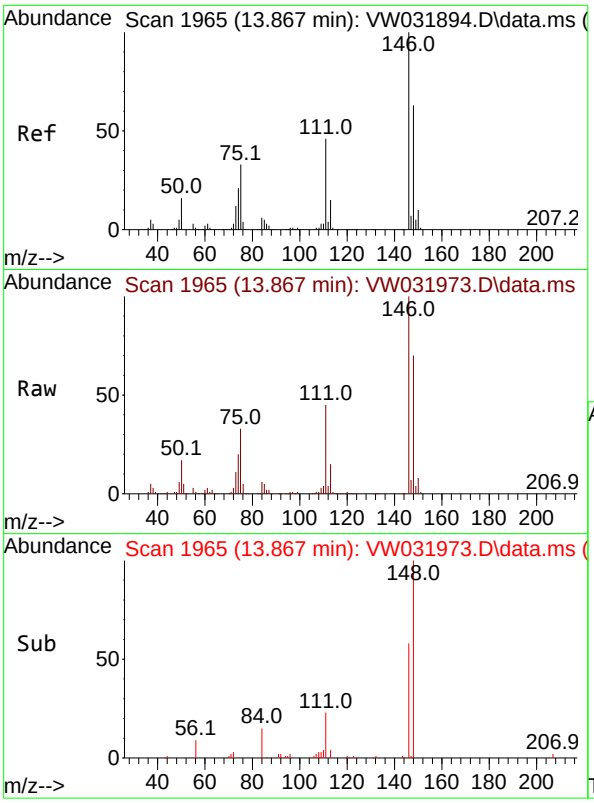


#90
Hexachloroethane
Concen: 19.179 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:117 Resp: 43282

Ion	Ratio	Lower	Upper
117	100		
201	55.9	28.4	85.2



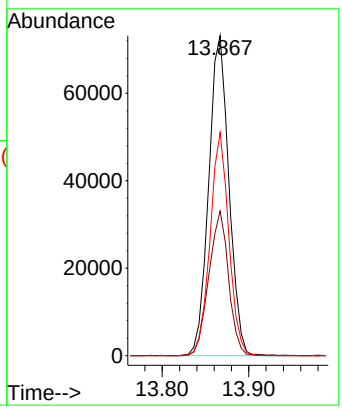


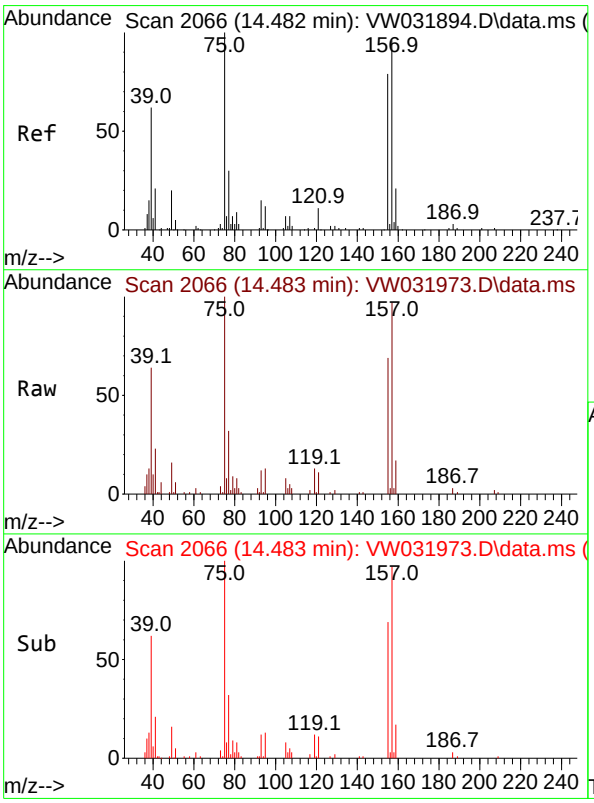
#91
1,2-Dichlorobenzene
Concen: 20.194 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:146 Resp: 118631

Ion	Ratio	Lower	Upper
146	100		
111	43.9	23.6	71.0
148	65.0	32.4	97.2

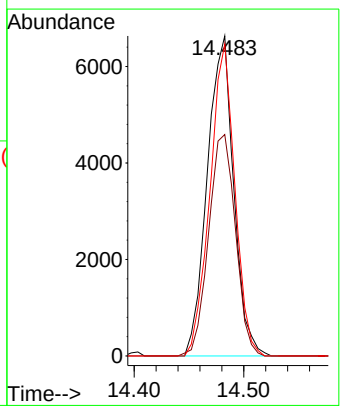


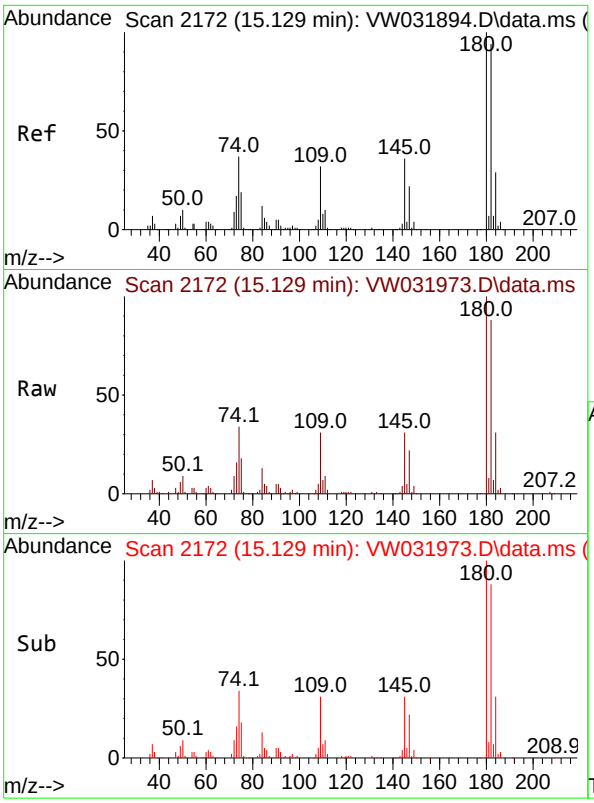


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.611 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion: 75 Resp: 11068

Ion	Ratio	Lower	Upper
75	100		
155	70.5	35.9	107.7
157	92.1	47.4	142.2



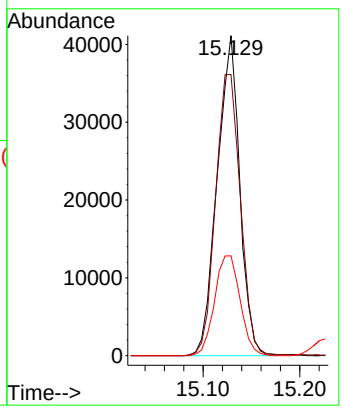


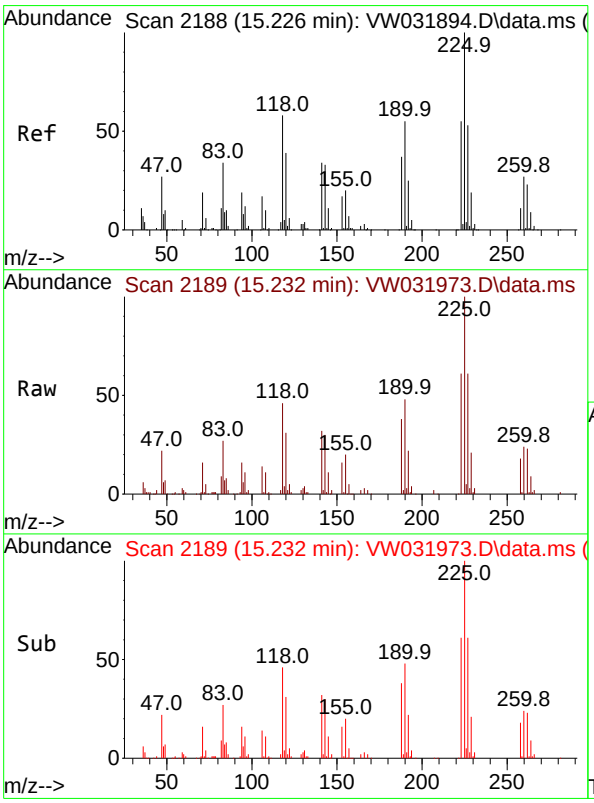
#93
1,2,4-Trichlorobenzene
Concen: 18.790 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:180 Resp: 66569

Ion	Ratio	Lower	Upper
180	100		
182	96.8	51.0	153.1
145	35.3	18.4	55.4

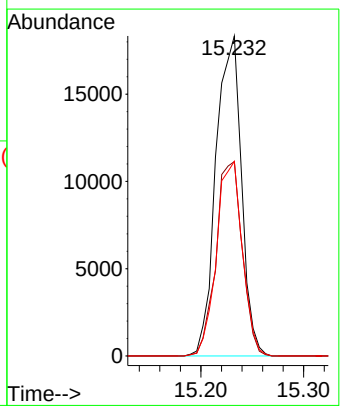


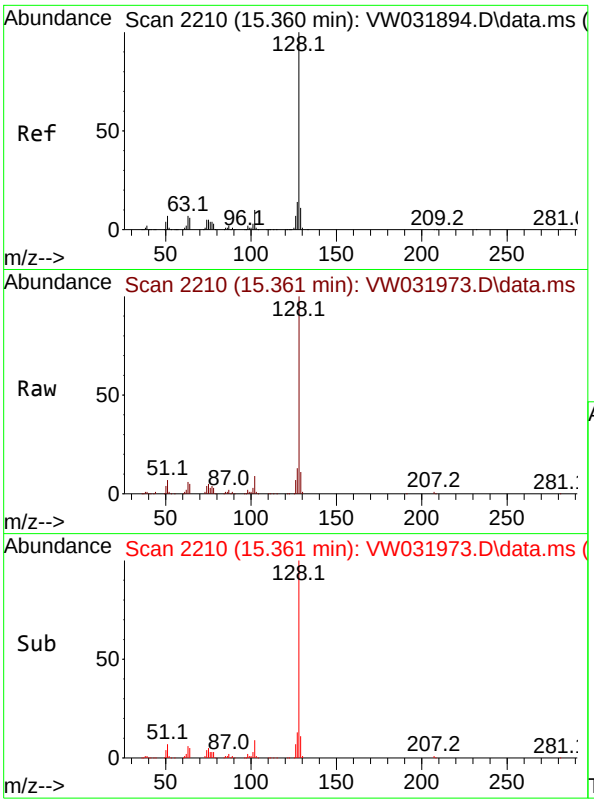


#94
Hexachlorobutadiene
Concen: 18.782 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:225 Resp: 31530

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	61.8	30.0	90.1



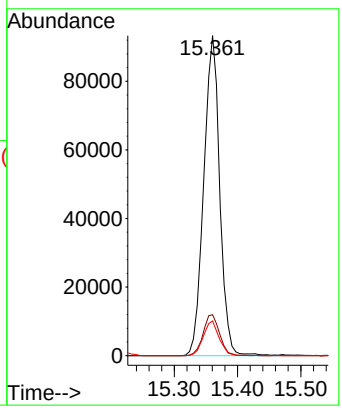


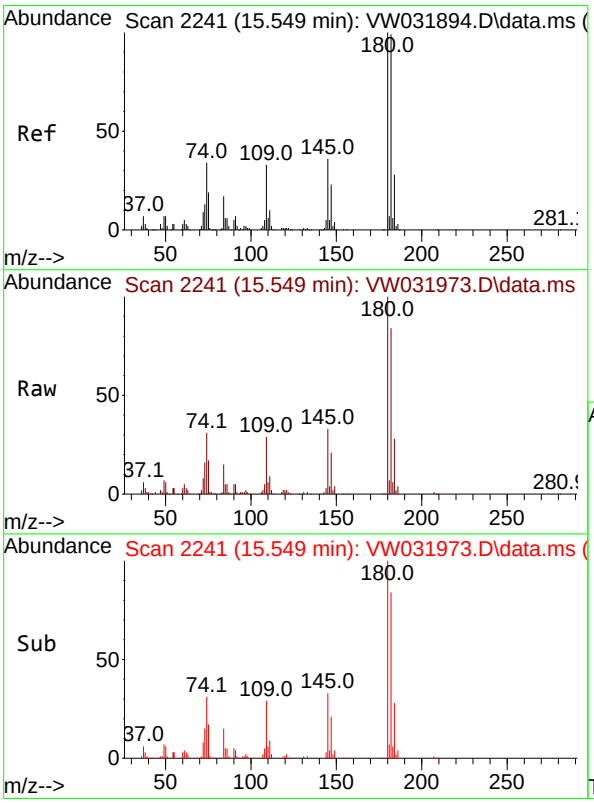
#95
Naphthalene
Concen: 18.820 ug/l
RT: 15.361 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Tgt Ion:128 Resp: 163926

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.7	9.2	13.8

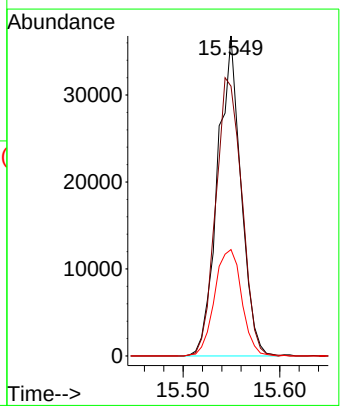




#96
1,2,3-Trichlorobenzene
Concen: 19.207 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031973.D
Acq: 01 Aug 2025 09:49

Tgt Ion:180 Resp: 61654

Ion	Ratio	Lower	Upper
180	100		
182	97.2	50.4	151.2
145	38.6	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	398144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167609	50.222	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.440%			
35) Dibromofluoromethane	7.898	113	141003	52.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.240%			
50) Toluene-d8	10.325	98	527673	51.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.617	95	201472	51.243	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26504	16.164	ug/l	95
3) Chloromethane	2.253	50	38199	18.151	ug/l	98
4) Vinyl Chloride	2.405	62	46485	17.004	ug/l	97
5) Bromomethane	2.826	94	37029	18.394	ug/l	100
6) Chloroethane	2.966	64	33726	18.692	ug/l	99
7) Trichlorofluoromethane	3.308	101	48255	17.427	ug/l	96
8) Diethyl Ether	3.722	74	35045	18.947	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	49682	18.654	ug/l	98
10) Methyl Iodide	4.314	142	75262	18.900	ug/l	99
11) Tert butyl alcohol	5.234	59	19858	101.227	ug/l	98
12) 1,1-Dichloroethene	4.076	96	54543	18.541	ug/l	94
13) Acrolein	3.936	56	17192	55.321	ug/l	96
14) Allyl chloride	4.704	41	83650	18.267	ug/l	99
15) Acrylonitrile	5.411	53	83695	101.212	ug/l	98
16) Acetone	4.167	43	77524	97.892	ug/l	100
17) Carbon Disulfide	4.423	76	135754	17.794	ug/l	99
18) Methyl Acetate	4.710	43	49977	22.906	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	103696	20.402	ug/l	98
20) Methylene Chloride	4.954	84	65104	16.062	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59045	18.918	ug/l	91
22) Diisopropyl ether	6.338	45	179296	19.567	ug/l	94
23) Vinyl Acetate	6.289	43	569393	95.112	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110392	19.349	ug/l	99
25) 2-Butanone	7.197	43	106124	97.941	ug/l	97
26) 2,2-Dichloropropane	7.185	77	58059	17.975	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	70949	19.336	ug/l	98
28) Bromochloromethane	7.533	49	45657	19.114	ug/l	94
29) Tetrahydrofuran	7.557	42	71024	99.977	ug/l	99
30) Chloroform	7.697	83	118708	19.845	ug/l	100
31) Cyclohexane	7.971	56	89959	17.576	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	85597	18.805	ug/l	99
36) 1,1-Dichloropropene	8.100	75	78940	19.000	ug/l	99
37) Ethyl Acetate	7.276	43	49293	20.798	ug/l	99
38) Carbon Tetrachloride	8.087	117	78235	19.620	ug/l	94
39) Methylcyclohexane	9.343	83	92958	17.779	ug/l	96
40) Benzene	8.337	78	248680	20.220	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	28527	20.106	ug/l		97
42) 1,2-Dichloroethane	8.410	62	82094	20.856	ug/l		100
43) Isopropyl Acetate	8.435	43	83921	19.559	ug/l		97
44) Trichloroethene	9.099	130	57900	19.806	ug/l		95
45) 1,2-Dichloropropane	9.374	63	59790	20.185	ug/l		99
46) Dibromomethane	9.465	93	39572	21.552	ug/l		96
47) Bromodichloromethane	9.648	83	90989	20.666	ug/l		99
48) Methyl methacrylate	9.441	41	41717	20.436	ug/l		97
49) 1,4-Dioxane	9.471	88	9433	514.860	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.215	43	248332	105.754	ug/l		100
52) Toluene	10.392	92	158330	20.026	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	83143	19.686	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	95666	19.835	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	52594	21.564	ug/l		95
56) Ethyl methacrylate	10.648	69	69824	20.271	ug/l		99
57) 1,3-Dichloropropane	10.934	76	91728	21.348	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	116121	65.630	ug/l		99
59) 2-Hexanone	10.971	43	170083	104.203	ug/l		99
60) Dibromochloromethane	11.129	129	59250	20.836	ug/l		98
61) 1,2-Dibromoethane	11.239	107	50736	21.052	ug/l		98
64) Tetrachloroethene	10.867	164	46870	19.202	ug/l	#	81
65) Chlorobenzene	11.660	112	176168	19.442	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	55265	19.674	ug/l		99
67) Ethyl Benzene	11.733	91	295776	18.579	ug/l		99
68) m/p-Xylenes	11.837	106	232252	38.752	ug/l		97
69) o-Xylene	12.166	106	108231	19.082	ug/l		100
70) Styrene	12.178	104	188534	19.523	ug/l		98
71) Bromoform	12.349	173	31306	20.378	ug/l	#	98
73) Isopropylbenzene	12.458	105	270032	17.378	ug/l		97
74) N-amyl acetate	12.269	43	75603	17.998	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	64603	19.587	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	80375	32.508	ug/l	#	100
77) Bromobenzene	12.745	156	63035	18.749	ug/l		98
78) n-propylbenzene	12.800	91	341470	17.893	ug/l		98
79) 2-Chlorotoluene	12.891	91	208047	18.259	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	235990	18.109	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	17945	16.756	ug/l		94
82) 4-Chlorotoluene	12.989	91	222703	18.631	ug/l		100
83) tert-Butylbenzene	13.202	119	197280	17.772	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239109	18.128	ug/l		98
85) sec-Butylbenzene	13.379	105	292862	17.568	ug/l		100
86) p-Isopropyltoluene	13.495	119	243490	17.672	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	130590	18.660	ug/l		98
88) 1,4-Dichlorobenzene	13.580	146	129287	18.859	ug/l		99
89) n-Butylbenzene	13.818	91	236649	17.508	ug/l		98
90) Hexachloroethane	14.086	117	43163	18.116	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	119275	19.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11431	19.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.123	180	65949	17.632	ug/l		98
94) Hexachlorobutadiene	15.226	225	31008	17.495	ug/l		99
95) Naphthalene	15.360	128	175224	19.055	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	63480	18.732	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

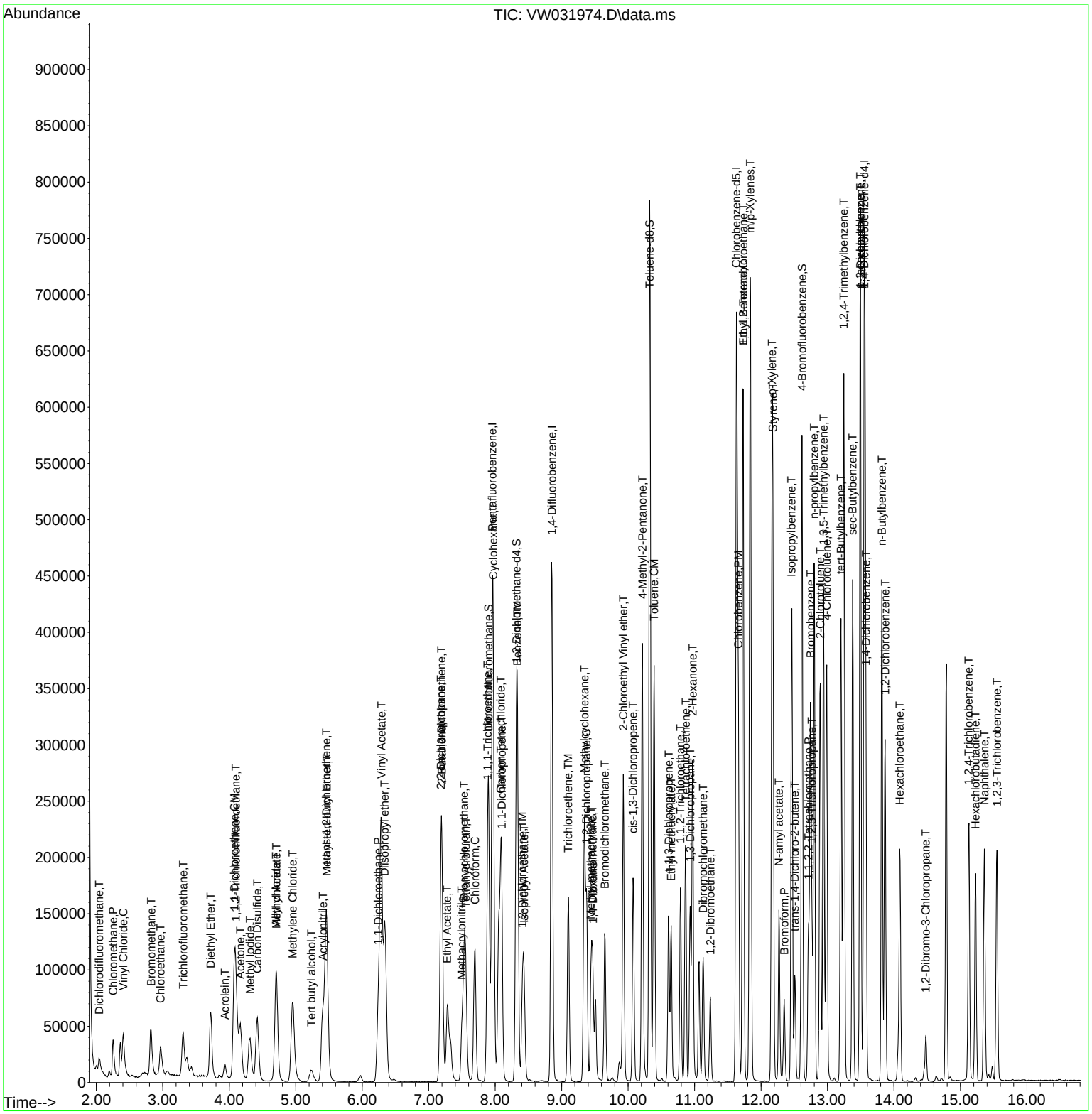
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

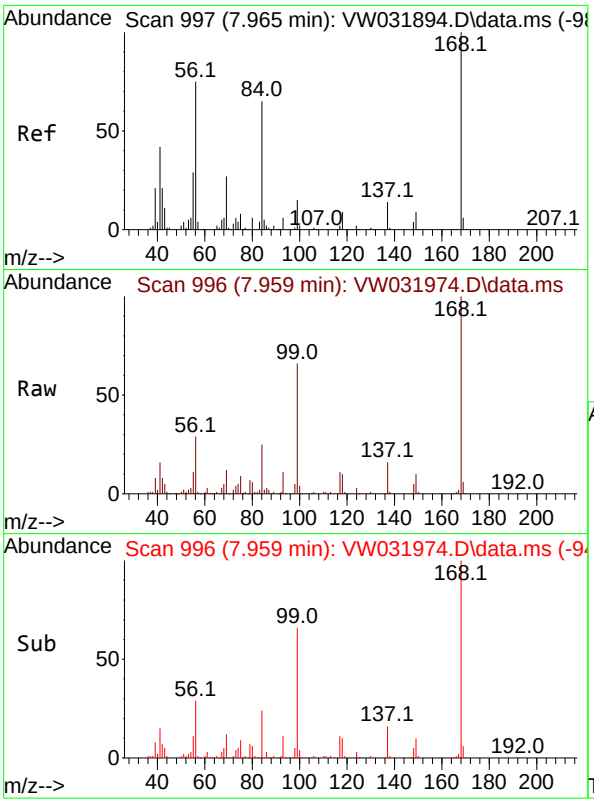
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



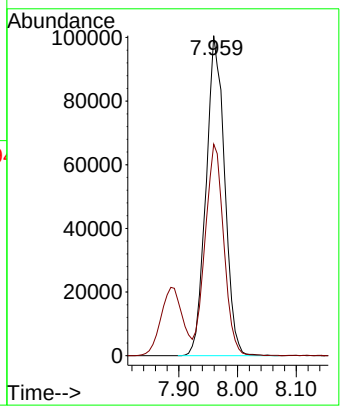


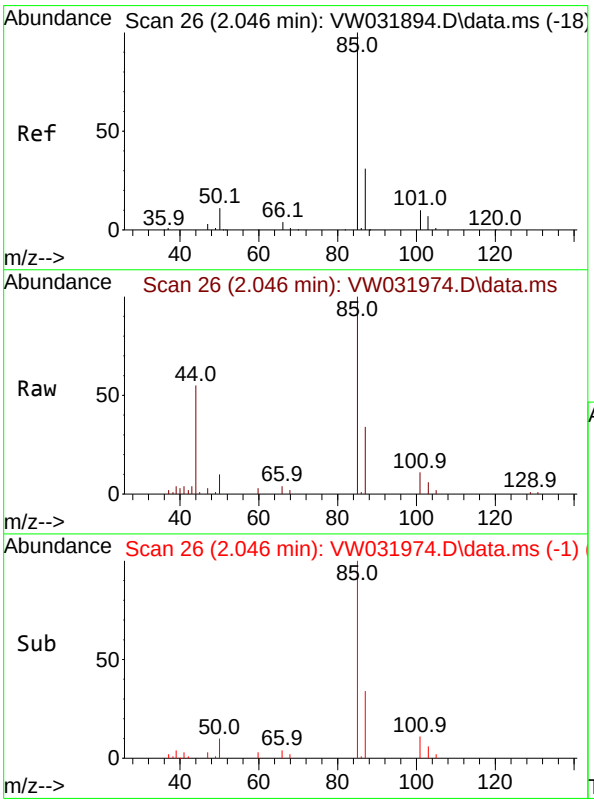
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:168 Resp: 220615

Ion	Ratio	Lower	Upper
168	100		
99	66.0	48.2	72.2

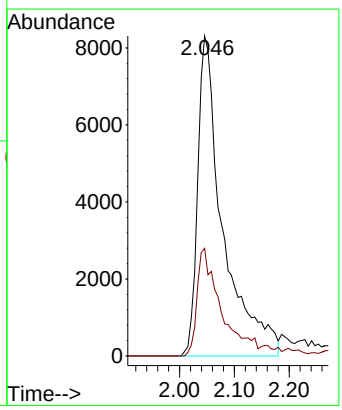


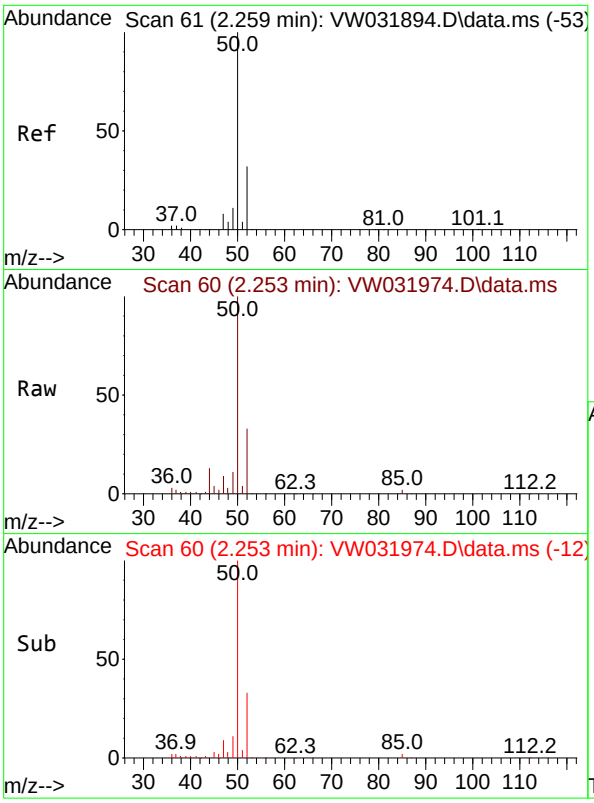


#2
Dichlorodifluoromethane
Concen: 16.164 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 85 Resp: 26504

Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.5	46.5



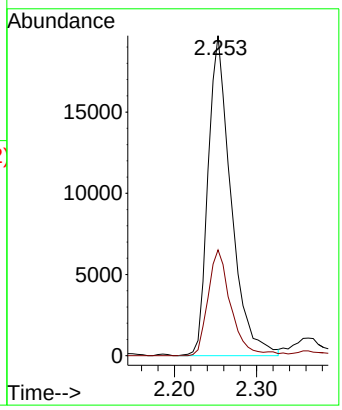


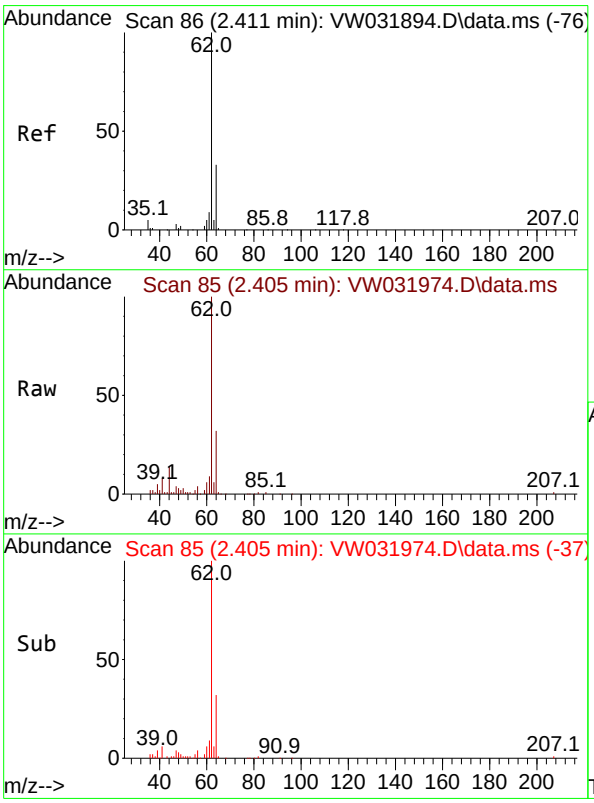
#3
Chloromethane
Concen: 18.151 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 50 Resp: 38199

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.7	38.5

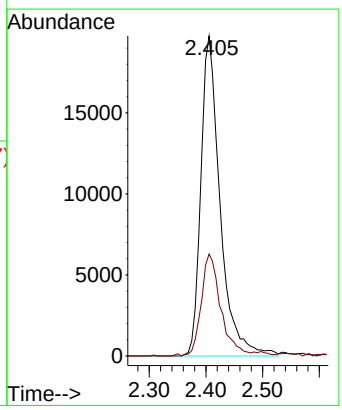


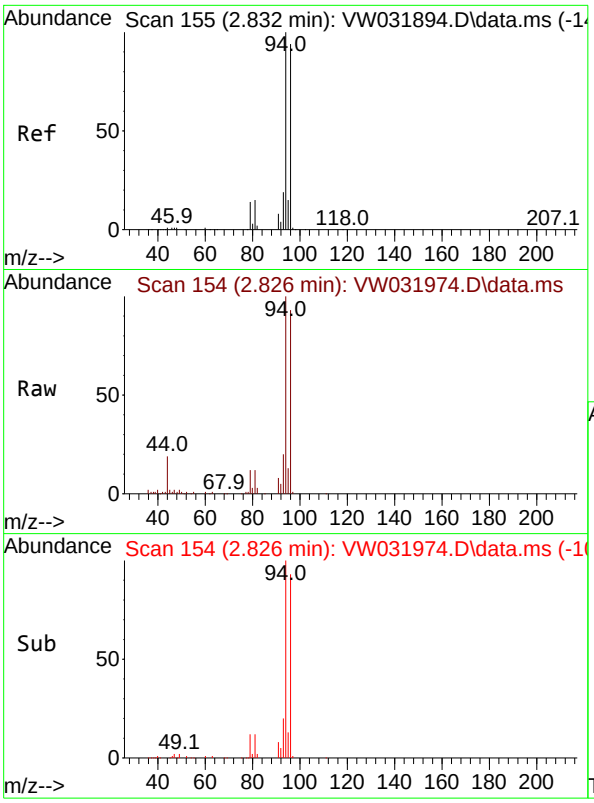


#4
Vinyl Chloride
Concen: 17.004 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 62 Resp: 46485

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.2	39.2



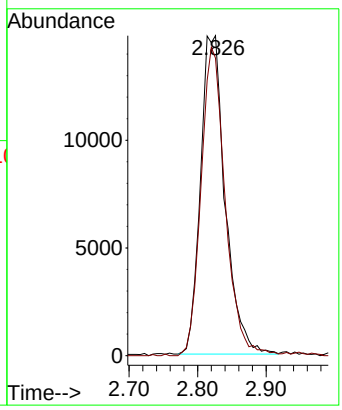


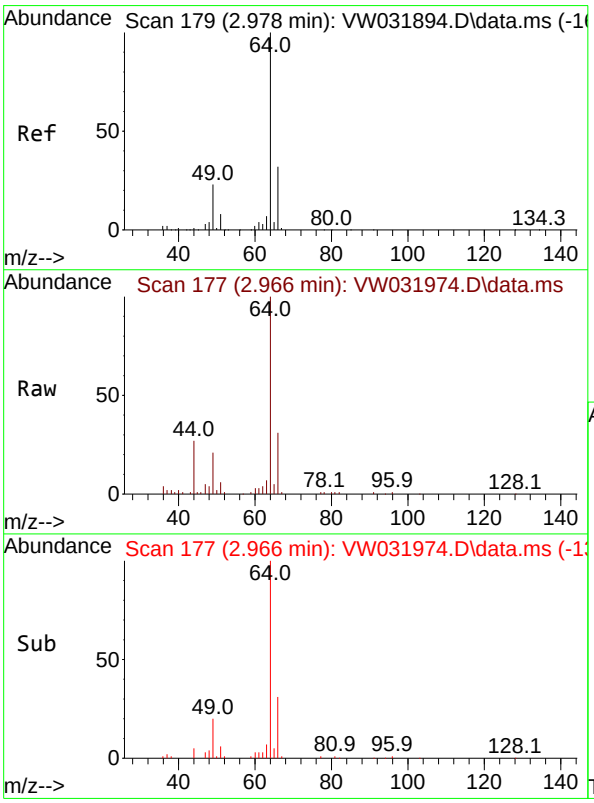
#5
Bromomethane
Concen: 18.394 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 94 Resp: 37029

Ion	Ratio	Lower	Upper
94	100		
96	93.4	75.0	112.6

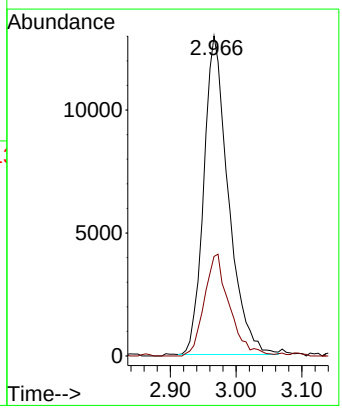


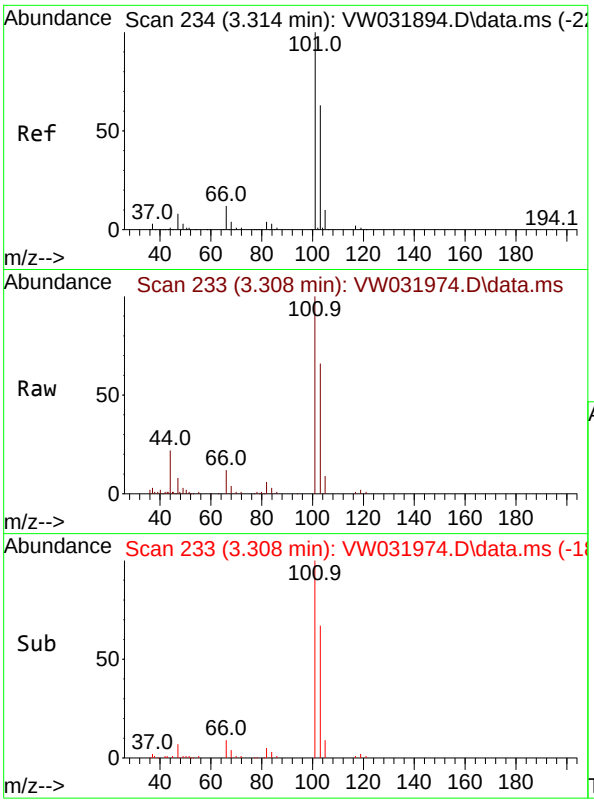


#6
Chloroethane
Concen: 18.692 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 64 Resp: 33726

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.6	38.4



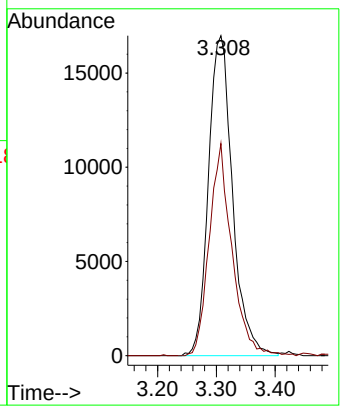


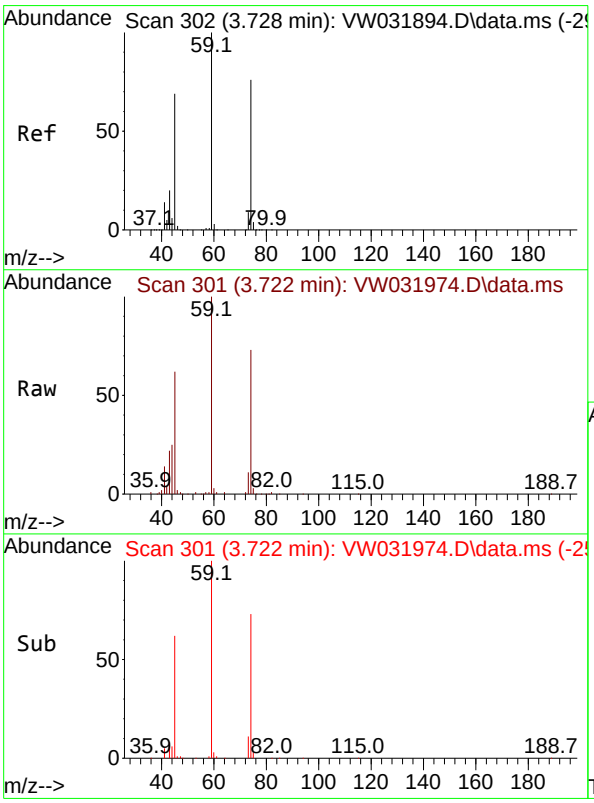
#7
Trichlorofluoromethane
Concen: 17.427 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:101 Resp: 48255

Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.7	76.1

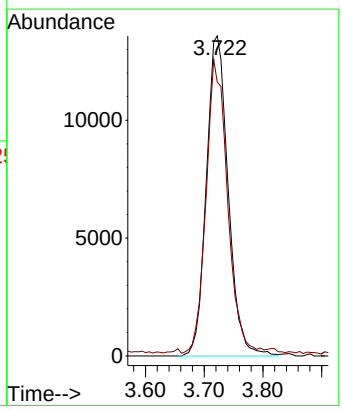


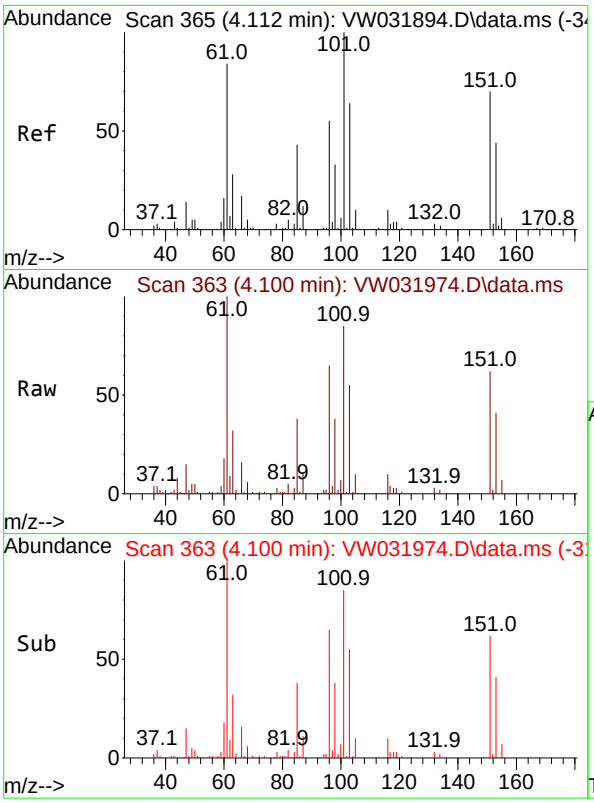


#8
Diethyl Ether
Concen: 18.947 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 74 Resp: 35045

Ion	Ratio	Lower	Upper
74	100		
45	90.0	45.5	136.5



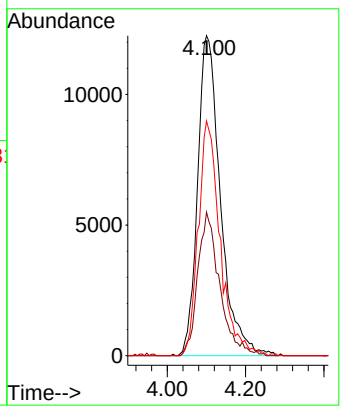


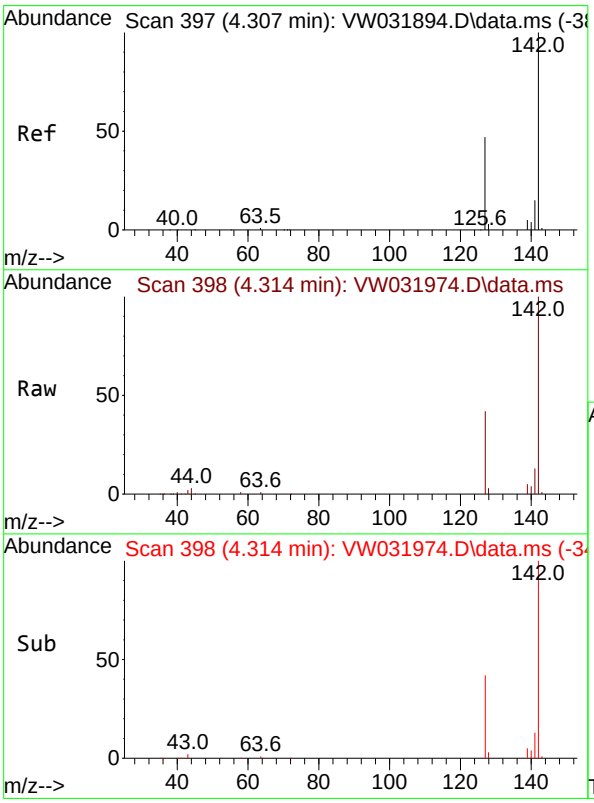
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.654 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:101 Resp: 49682

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.5	53.3
151	69.8	54.6	81.8

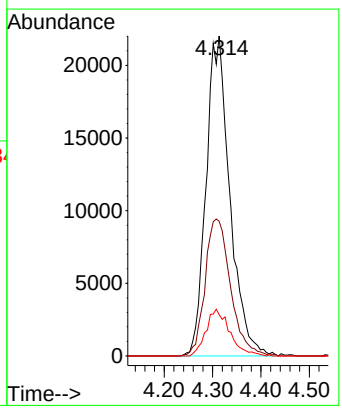


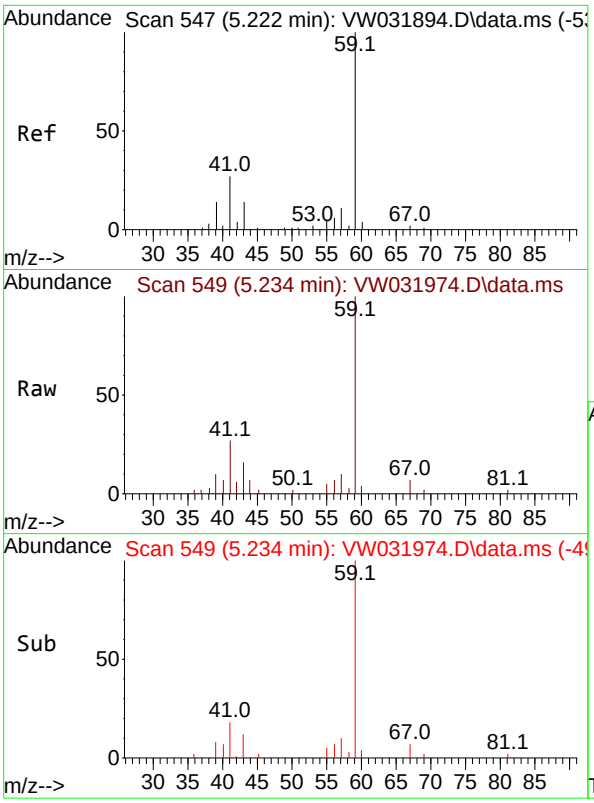


#10
Methyl Iodide
Concen: 18.900 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:142 Resp: 75262

Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.4	56.2
141	14.6	11.9	17.9



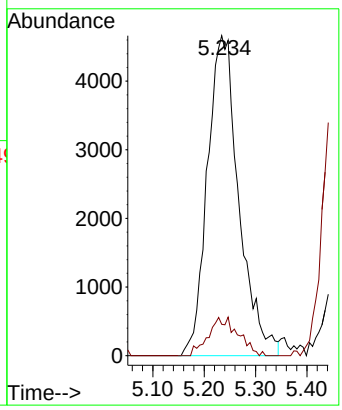


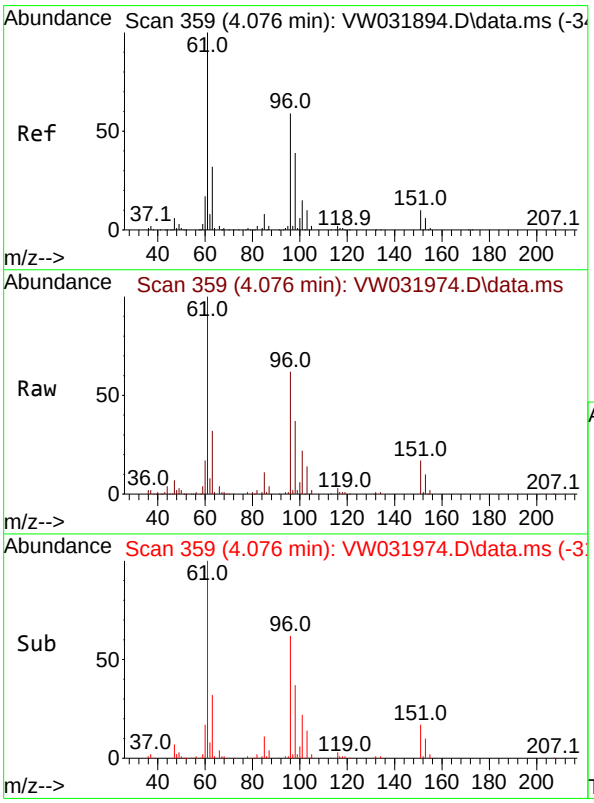
#11
Tert butyl alcohol
Concen: 101.227 ug/l
RT: 5.234 min Scan# 54
Delta R.T. 0.012 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 59 Resp: 19858

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

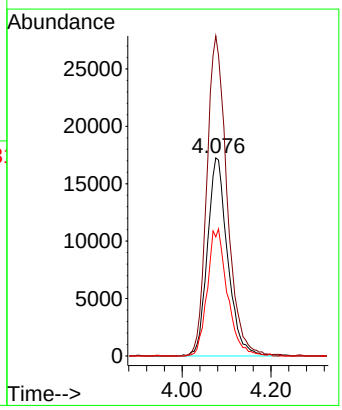


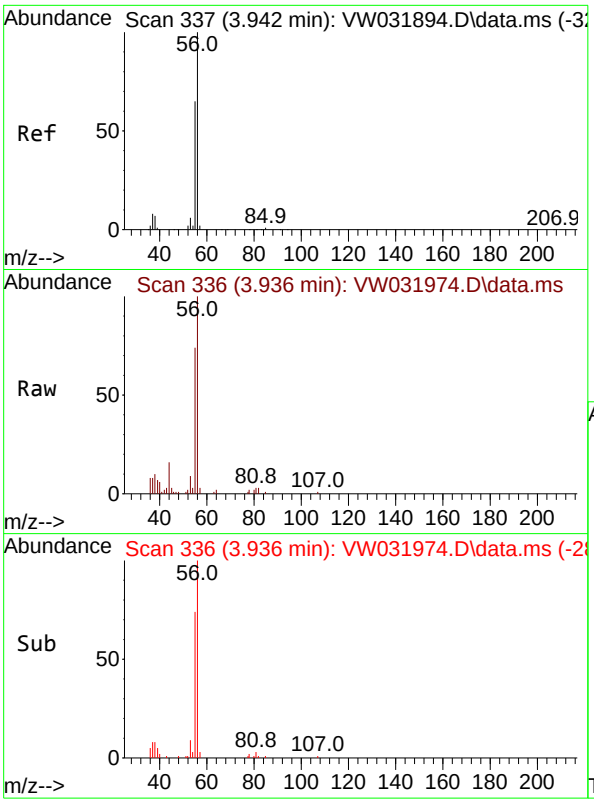


#12
1,1-Dichloroethene
Concen: 18.541 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 96 Resp: 54543

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.0	202.6
98	60.1	52.3	78.5



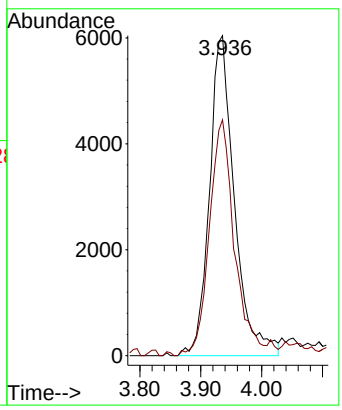


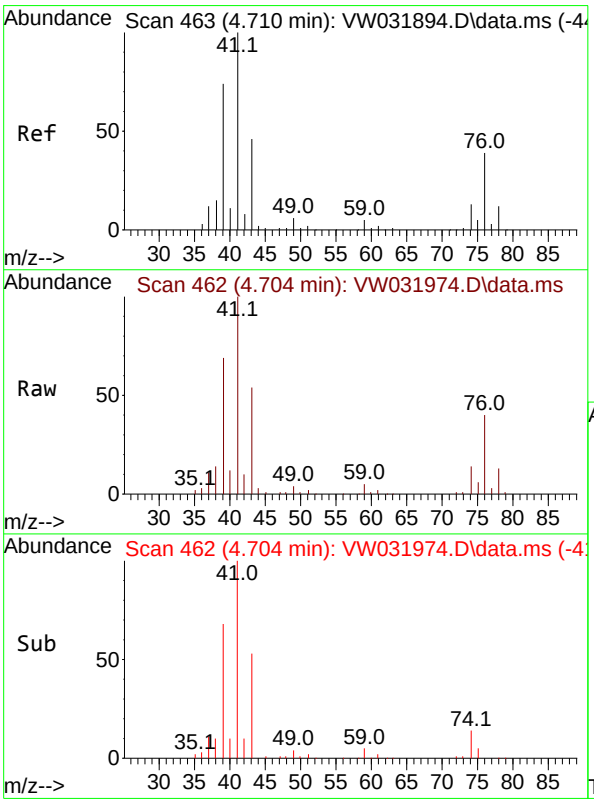
#13
Acrolein
Concen: 55.321 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 56 Resp: 17192

Ion	Ratio	Lower	Upper
56	100		
55	73.8	56.7	85.1

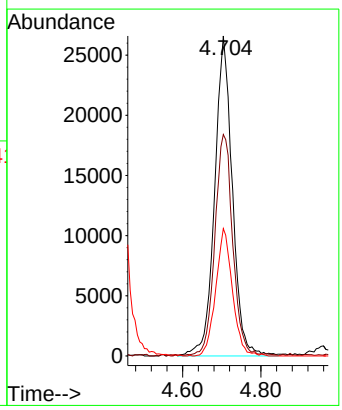


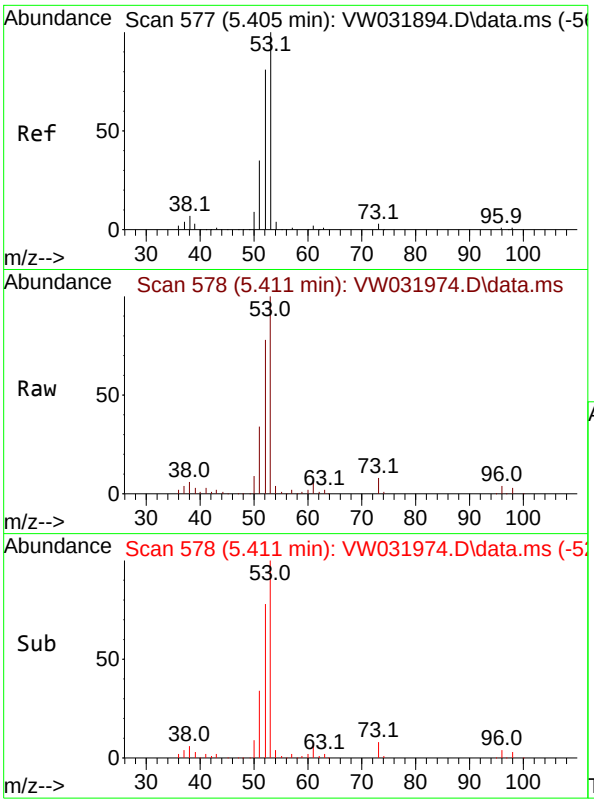


#14
Allyl chloride
Concen: 18.267 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 41 Resp: 83650

Ion	Ratio	Lower	Upper
41	100		
39	69.1	56.6	85.0
76	37.4	30.1	45.1



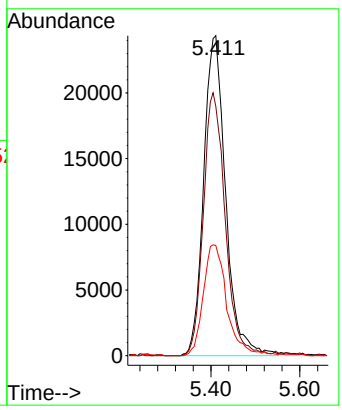


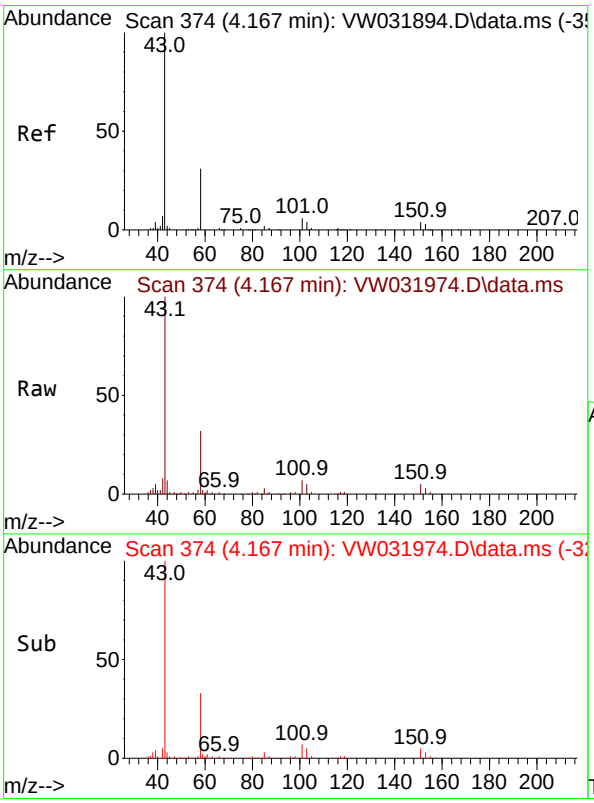
#15
Acrylonitrile
Concen: 101.212 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 53 Resp: 83695

Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.0	100.4
51	37.4	29.9	44.9

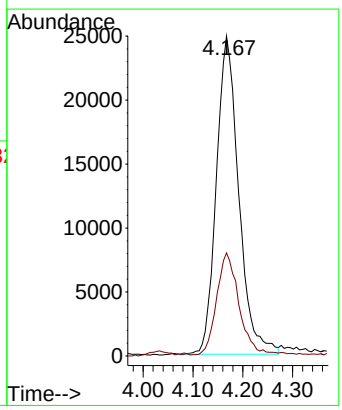


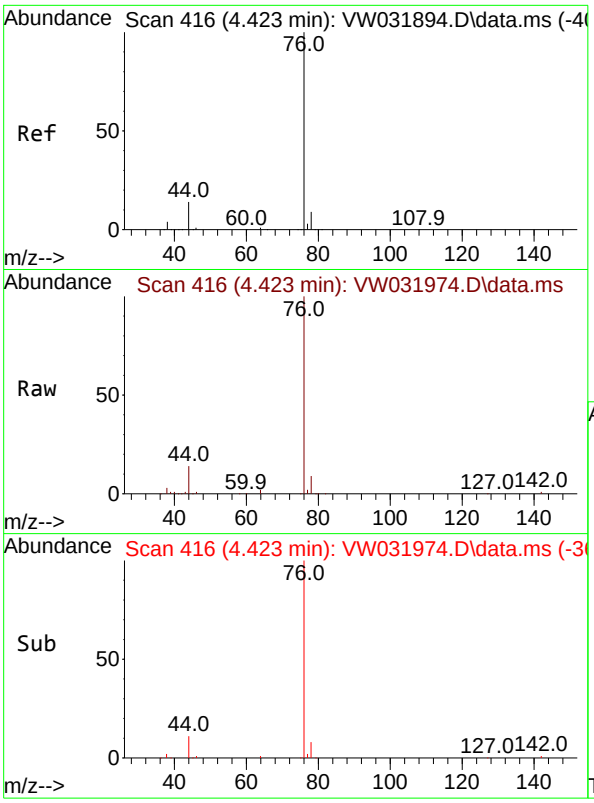


#16
Acetone
Concen: 97.892 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 77524

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3



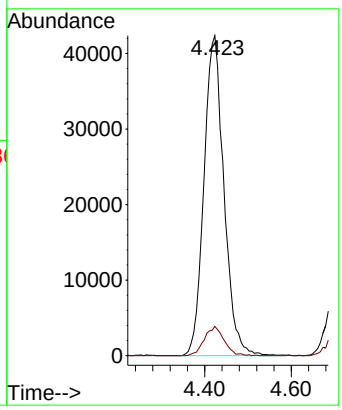


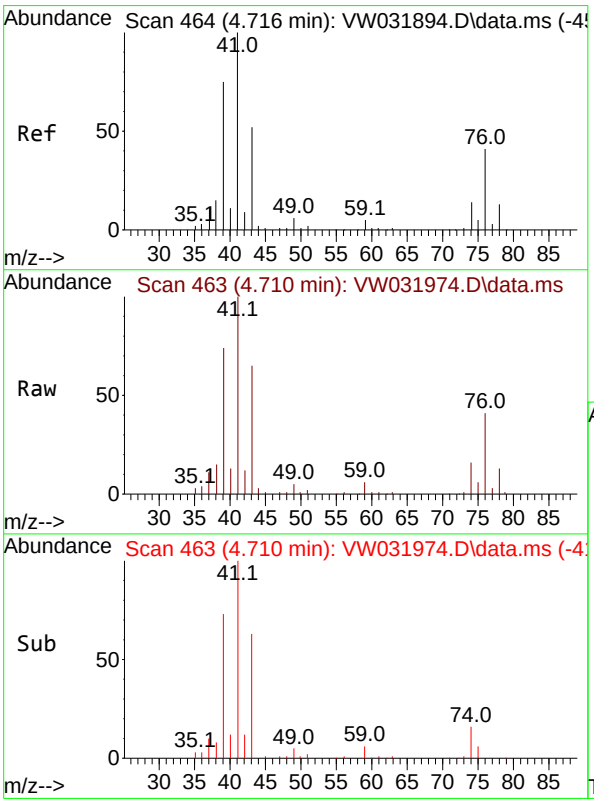
#17
Carbon Disulfide
Concen: 17.794 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 76 Resp: 135754

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

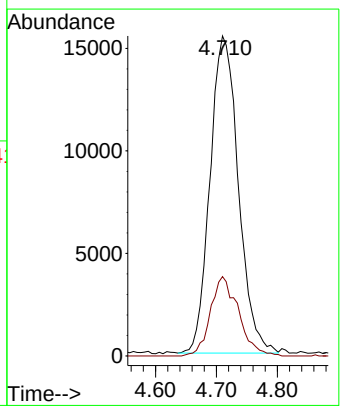


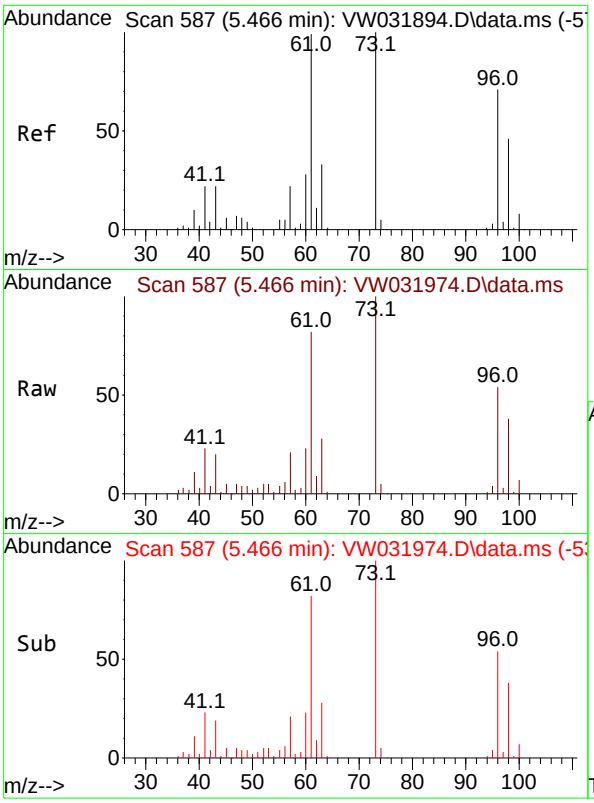


#18
Methyl Acetate
Concen: 22.906 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 49977

Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.6	31.0



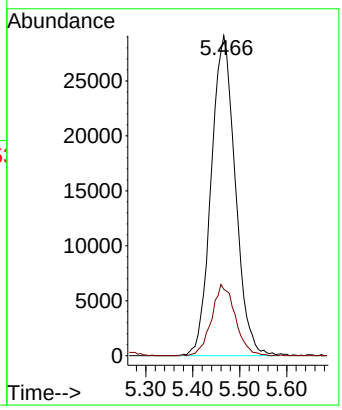


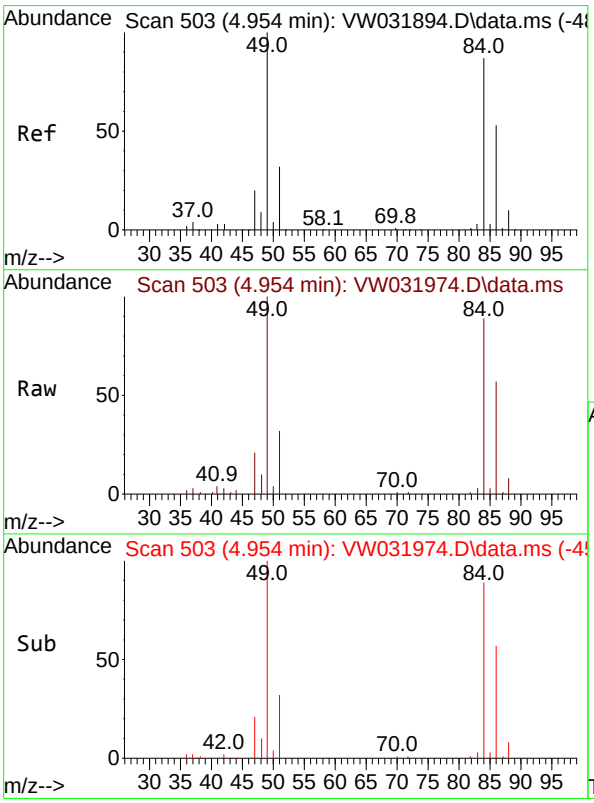
#19
Methyl tert-butyl Ether
Concen: 20.402 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 73 Resp: 103696

Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.5	26.3

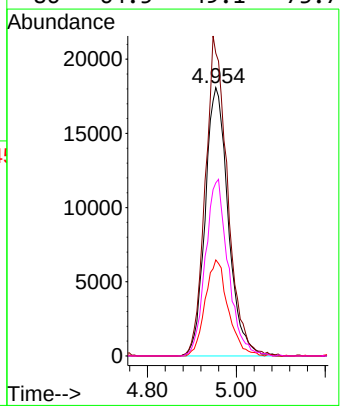


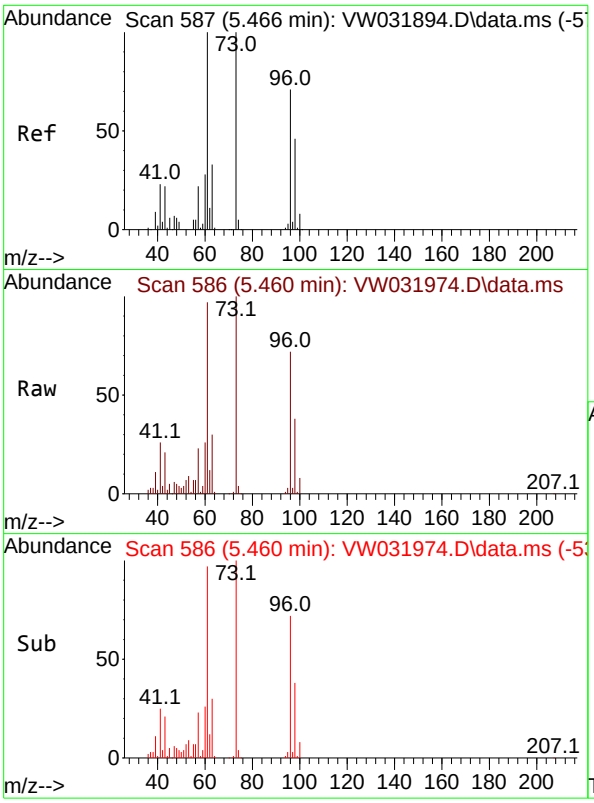


#20
Methylene Chloride
Concen: 16.062 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 84 Resp: 65104

Ion	Ratio	Lower	Upper
84	100		
49	112.8	91.9	137.9
51	35.8	29.0	43.6
86	64.5	49.1	73.7



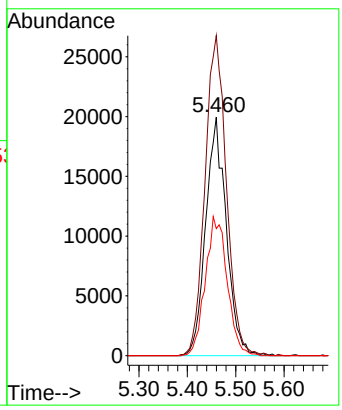


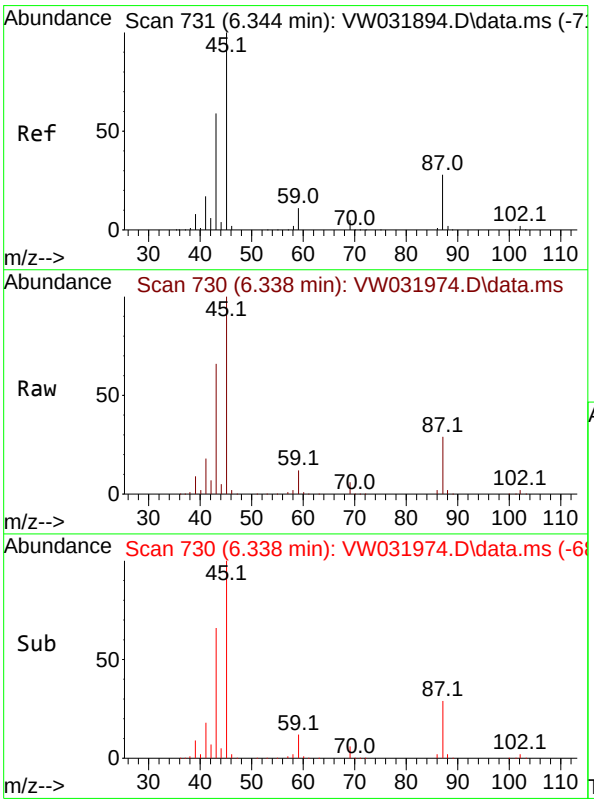
#21
trans-1,2-Dichloroethene
Concen: 18.918 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 96 Resp: 59045

Ion	Ratio	Lower	Upper
96	100		
61	134.1	112.8	169.2
98	53.2	51.9	77.9

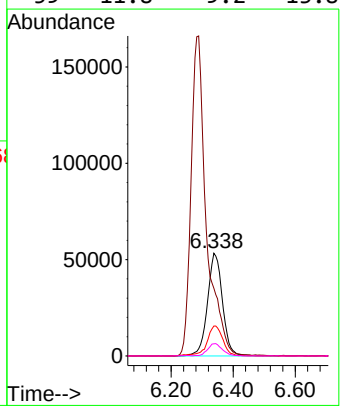


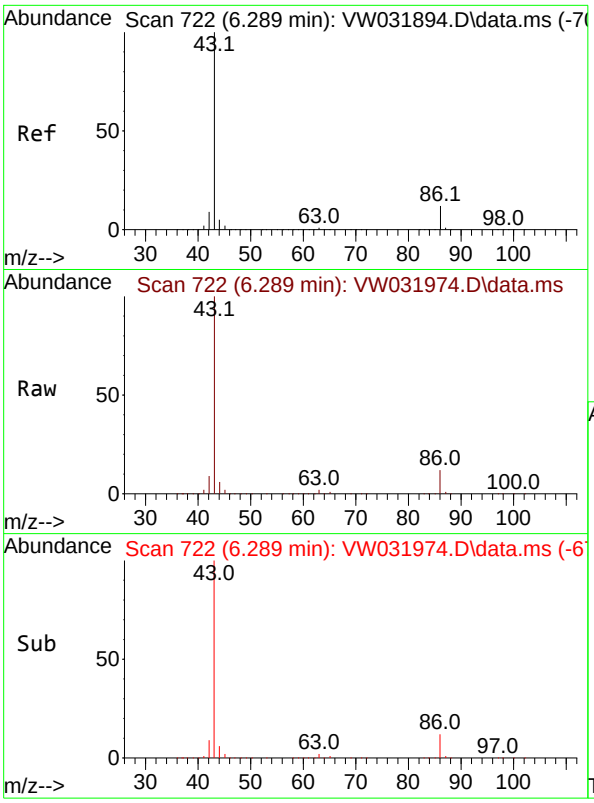


#22
Diisopropyl ether
Concen: 19.567 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 45 Resp: 179296

Ion	Ratio	Lower	Upper
45	100		
43	65.6	47.0	70.6
87	29.2	22.8	34.2
59	11.8	9.2	13.8



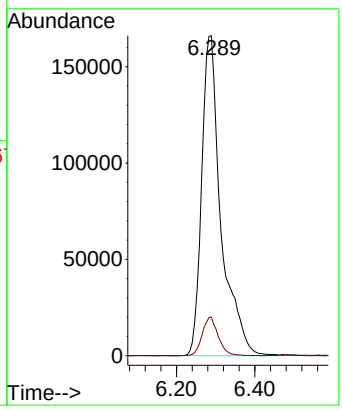


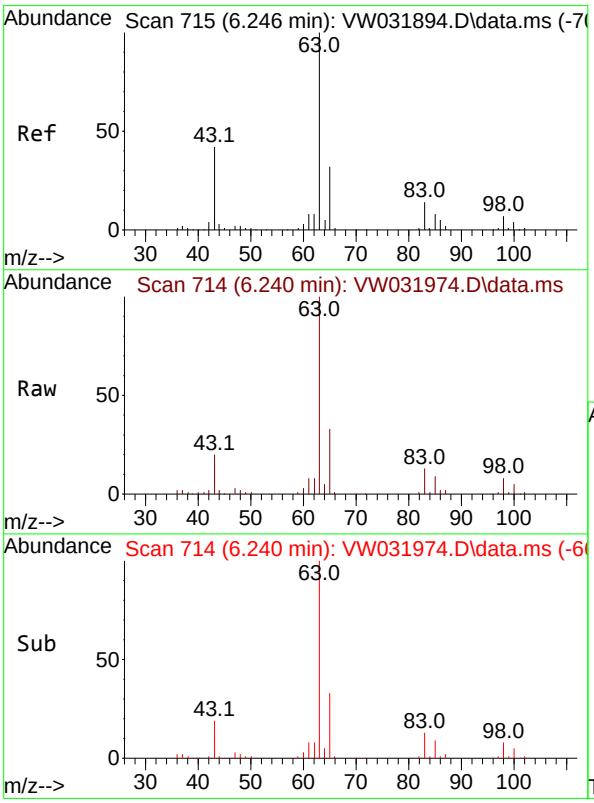
#23
Vinyl Acetate
Concen: 95.112 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 569393

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.4	14.2

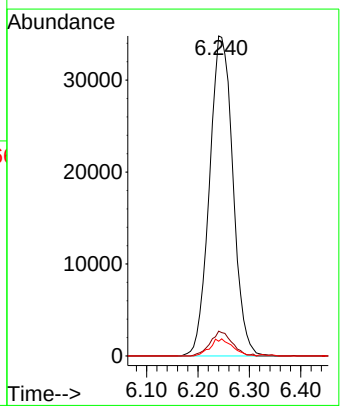


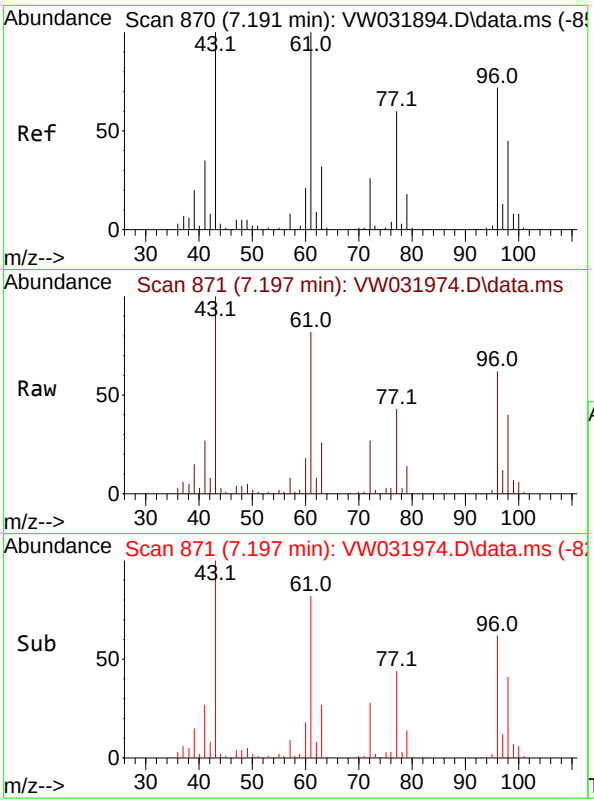


#24
1,1-Dichloroethane
Concen: 19.349 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 63 Resp: 110392

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.9
100	4.6	2.2	6.6



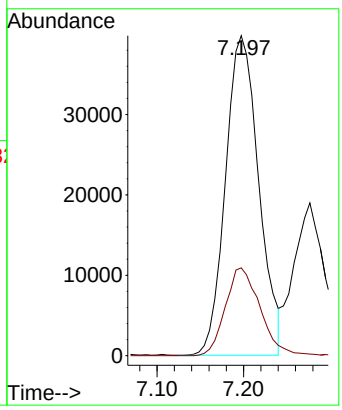


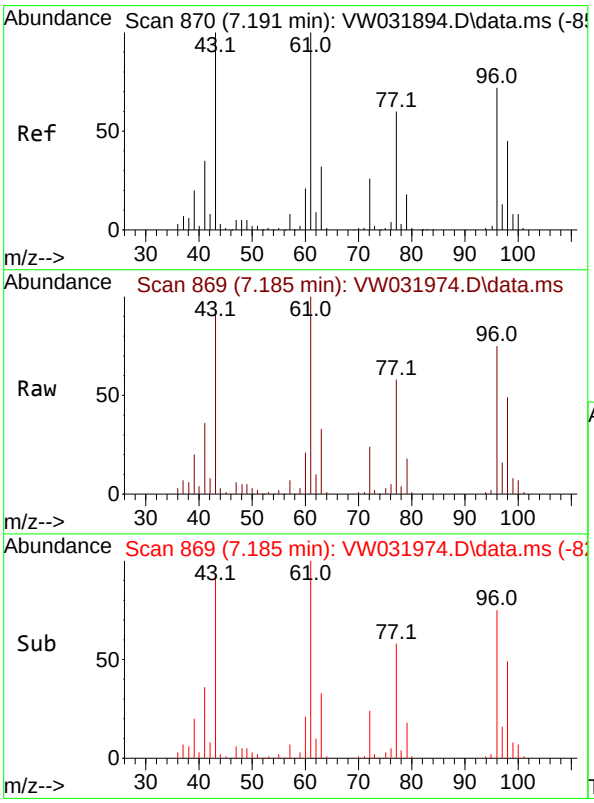
#25
2-Butanone
Concen: 97.941 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 106124

Ion	Ratio	Lower	Upper
43	100		
72	27.5	20.8	31.2

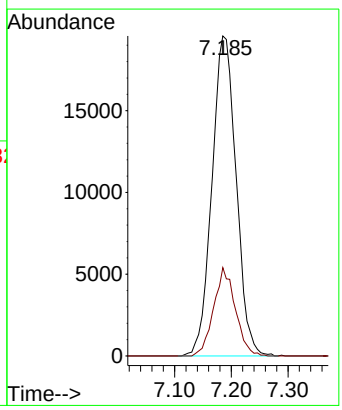


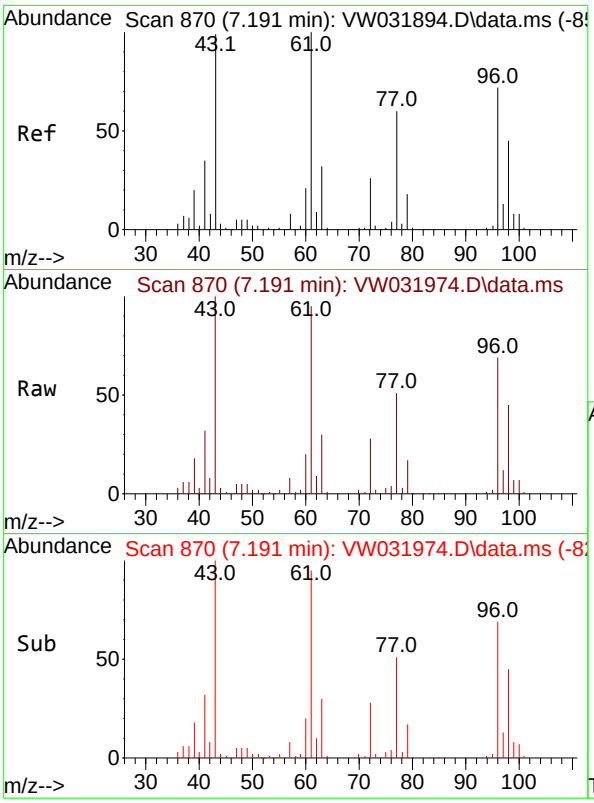


#26
2,2-Dichloropropane
Concen: 17.975 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 77 Resp: 58059

Ion	Ratio	Lower	Upper
77	100		
97	24.7	11.4	34.1



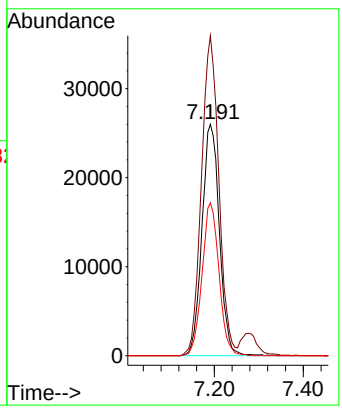


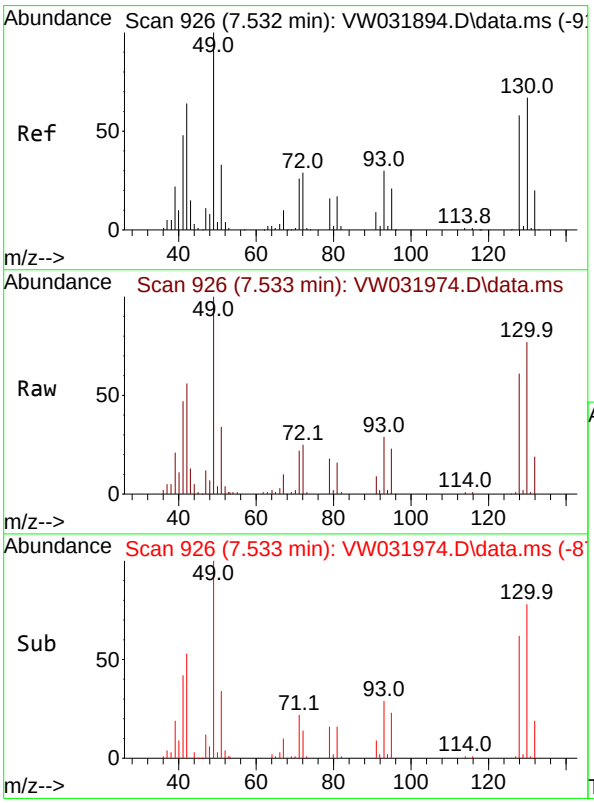
#27
cis-1,2-Dichloroethene
Concen: 19.336 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 96 Resp: 70949

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	280.2
98	64.2	0.0	126.8

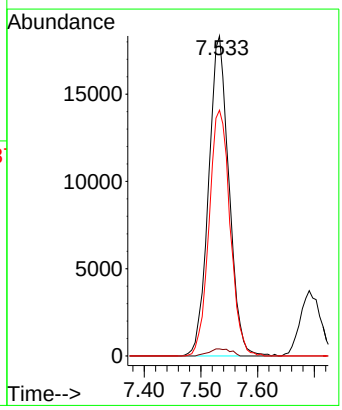


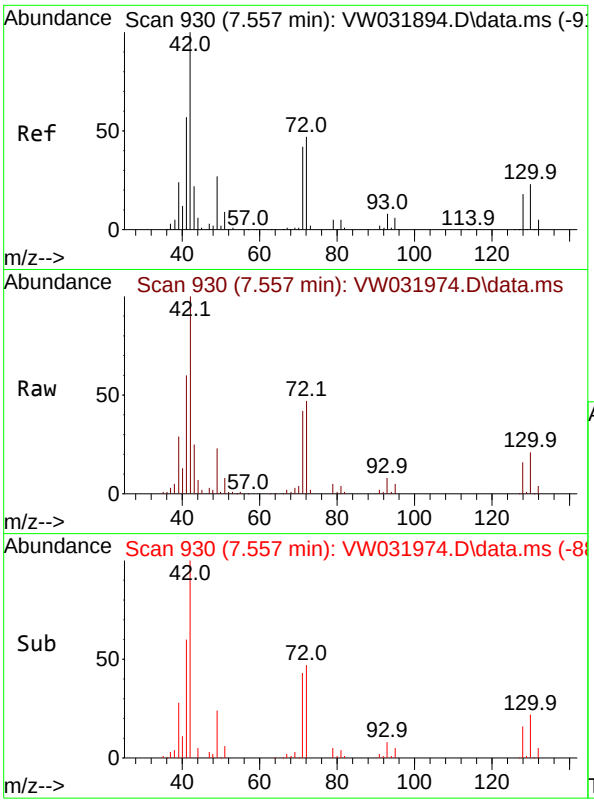


#28
Bromochloromethane
Concen: 19.114 ug/l
RT: 7.533 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 49 Resp: 45657

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.3	59.0	88.4



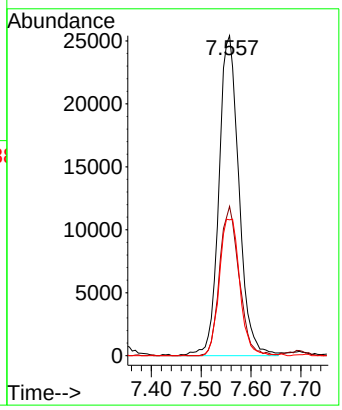


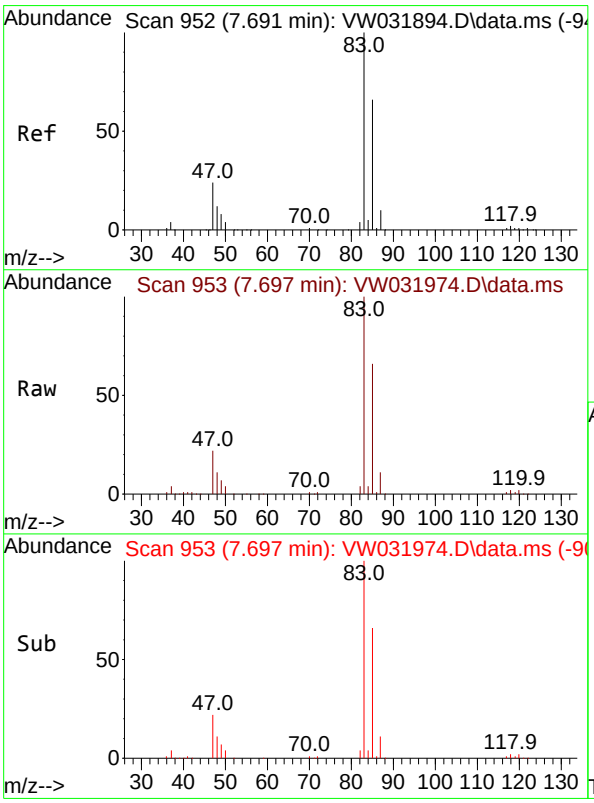
#29
Tetrahydrofuran
Concen: 99.977 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 42 Resp: 71024

Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.0	55.6
71	43.4	34.5	51.7

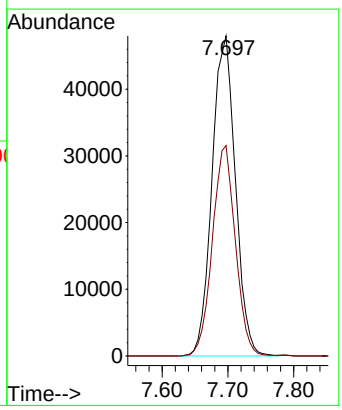


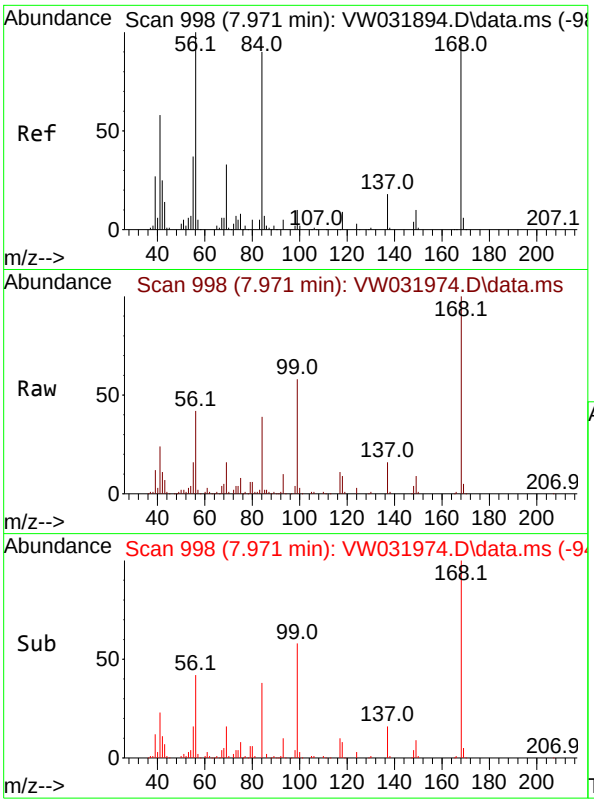


#30
Chloroform
Concen: 19.845 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 83 Resp: 118708

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8



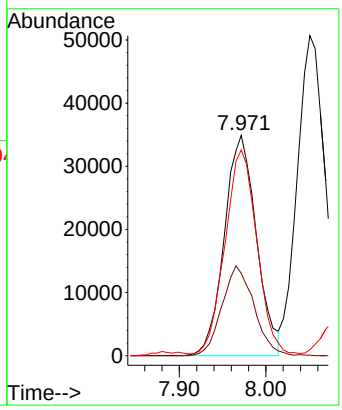


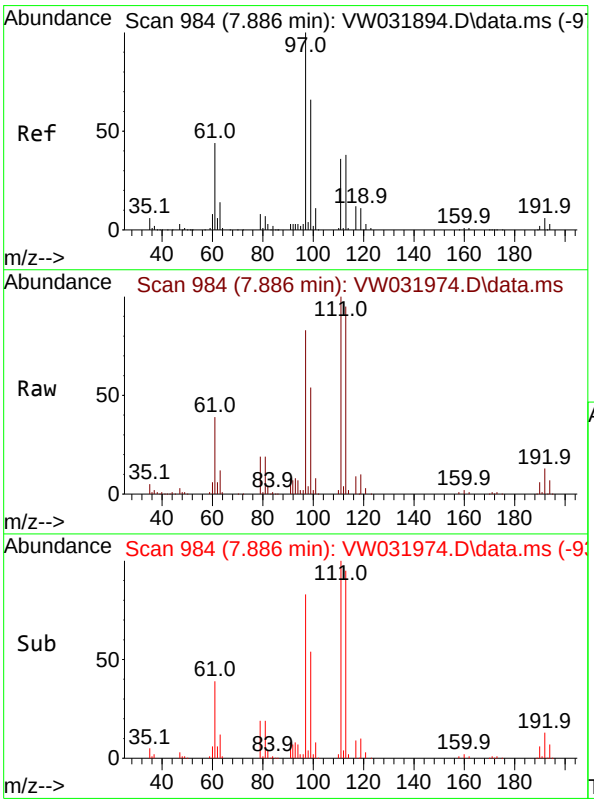
#31
Cyclohexane
Concen: 17.576 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 56 Resp: 89959

Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.7	40.1
84	91.8	71.8	107.6

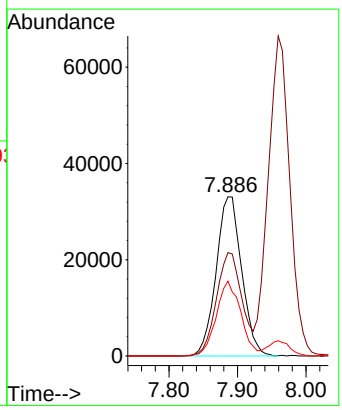


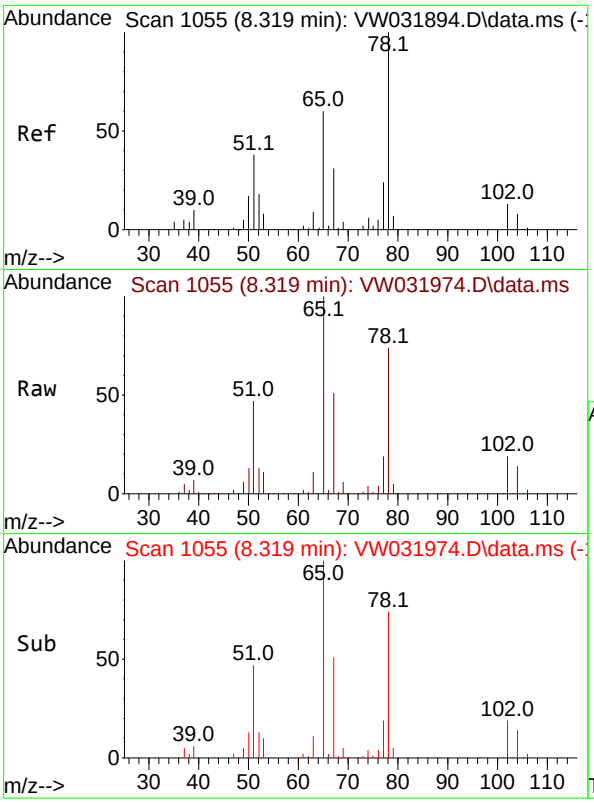


#32
1,1,1-Trichloroethane
Concen: 18.805 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 97 Resp: 85597

Ion	Ratio	Lower	Upper
97	100		
99	65.1	53.0	79.4
61	44.9	35.4	53.0



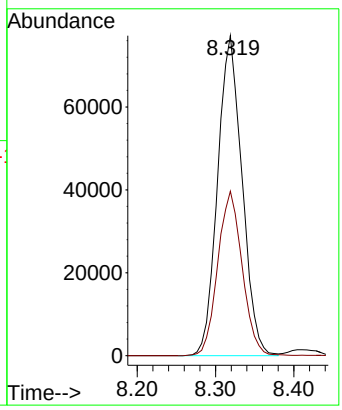


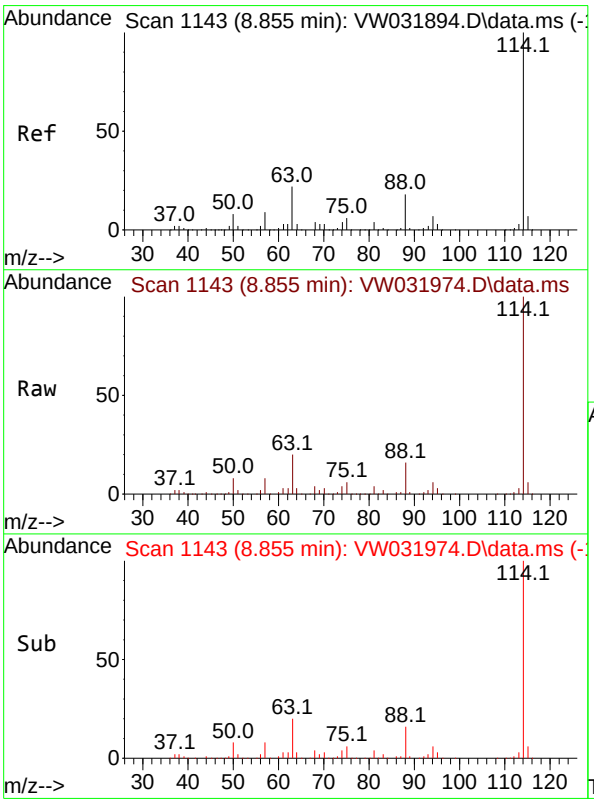
#33
1,2-Dichloroethane-d4
Concen: 50.222 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 65 Resp: 167609

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	101.4

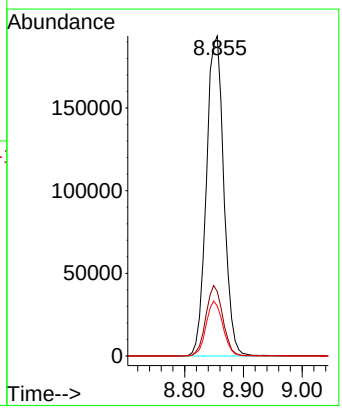


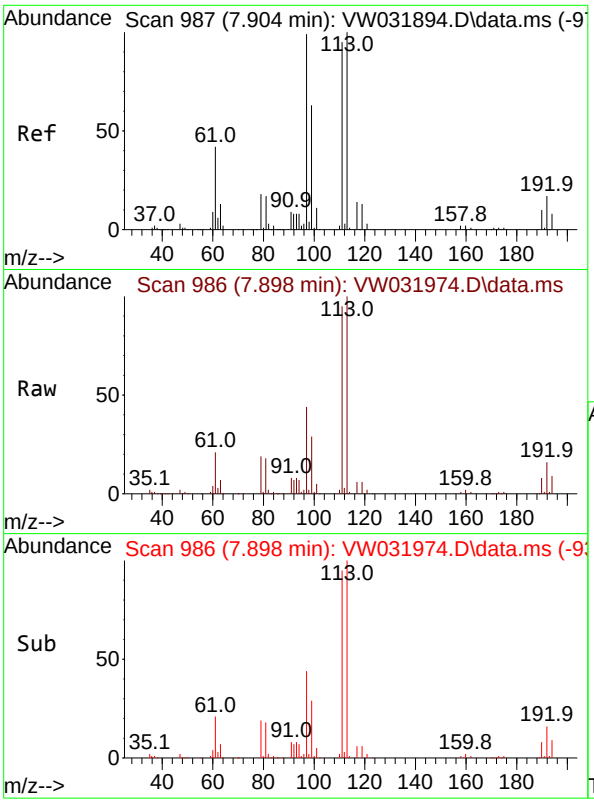


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:114 Resp: 398144

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	44.2
88	15.6	0.0	35.6



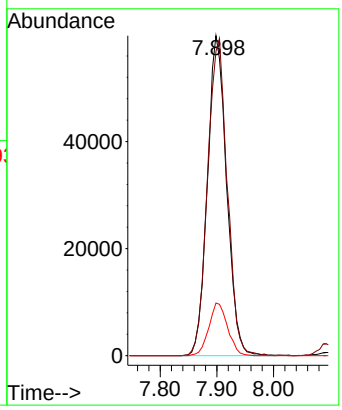


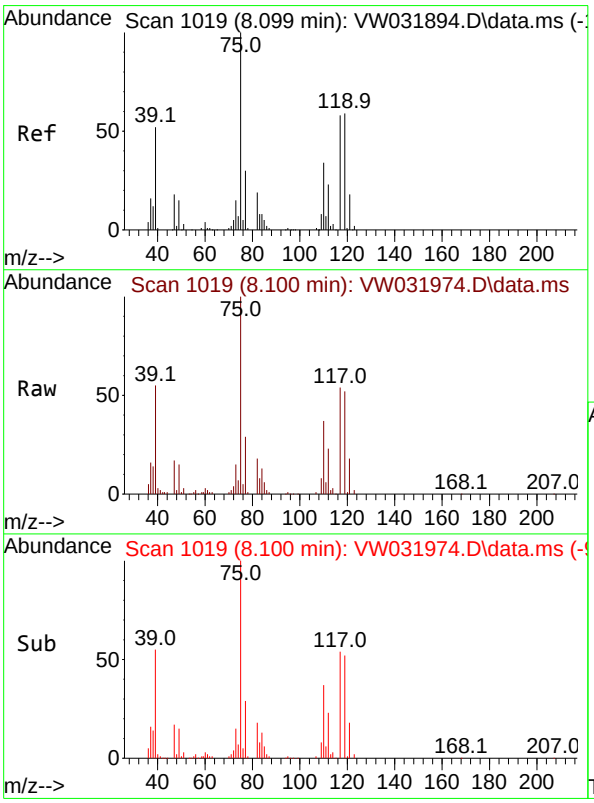
#35
Dibromofluoromethane
Concen: 52.118 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:113 Resp: 141003

Ion	Ratio	Lower	Upper
113	100		
111	101.2	79.9	119.9
192	16.0	12.6	19.0

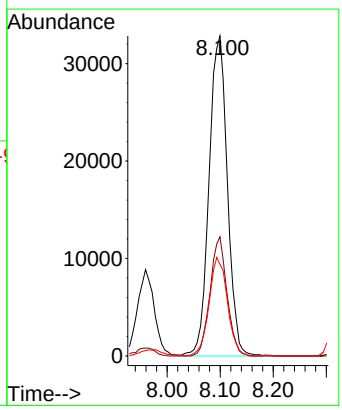


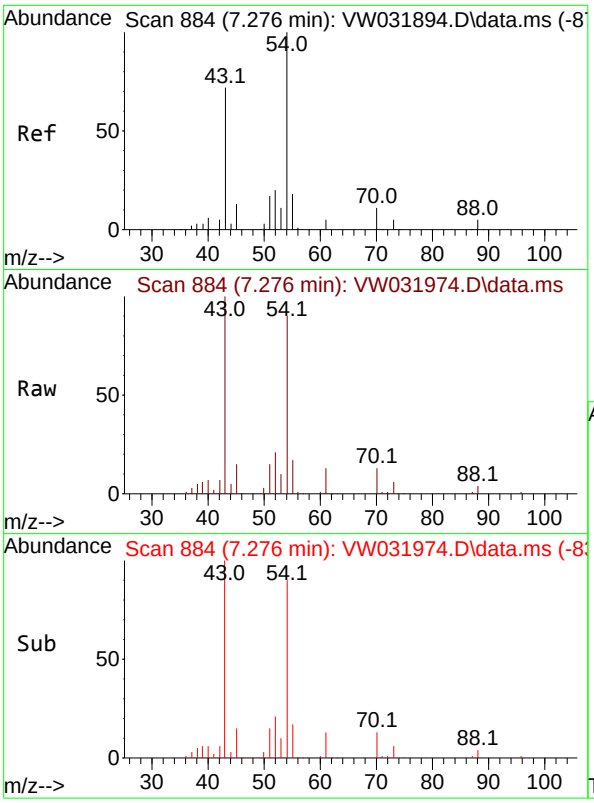


#36
1,1-Dichloropropene
Concen: 19.000 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 78940

Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.0	50.9
77	30.7	25.1	37.7



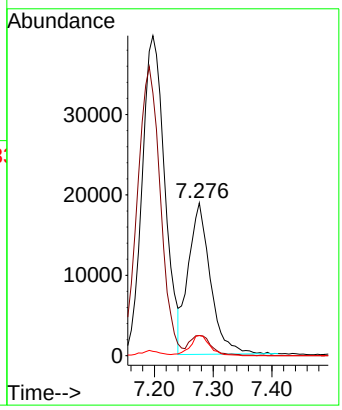


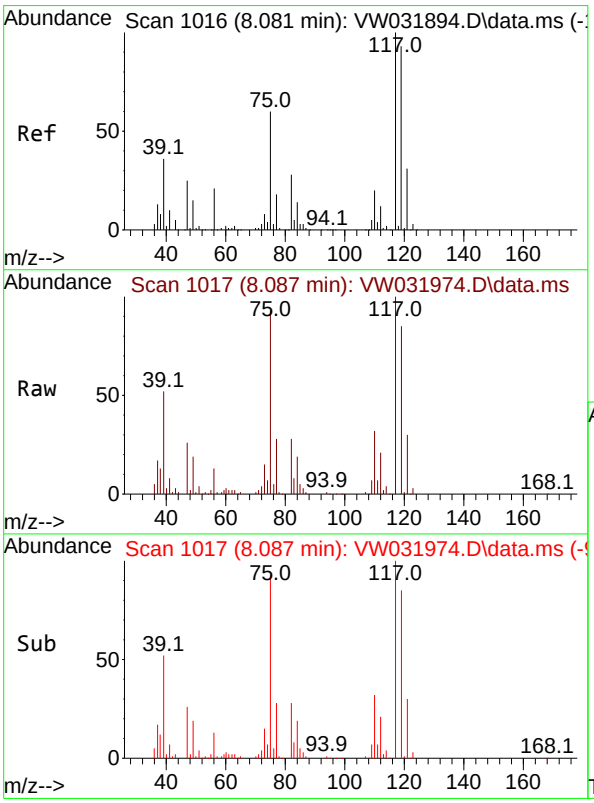
#37
Ethyl Acetate
Concen: 20.798 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 49293

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	12.0	9.0	13.4

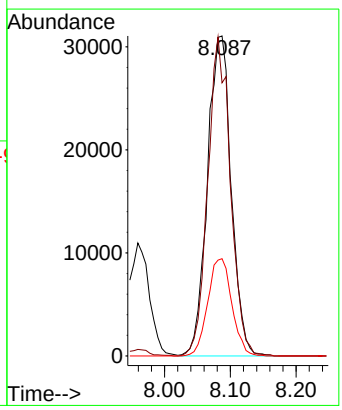


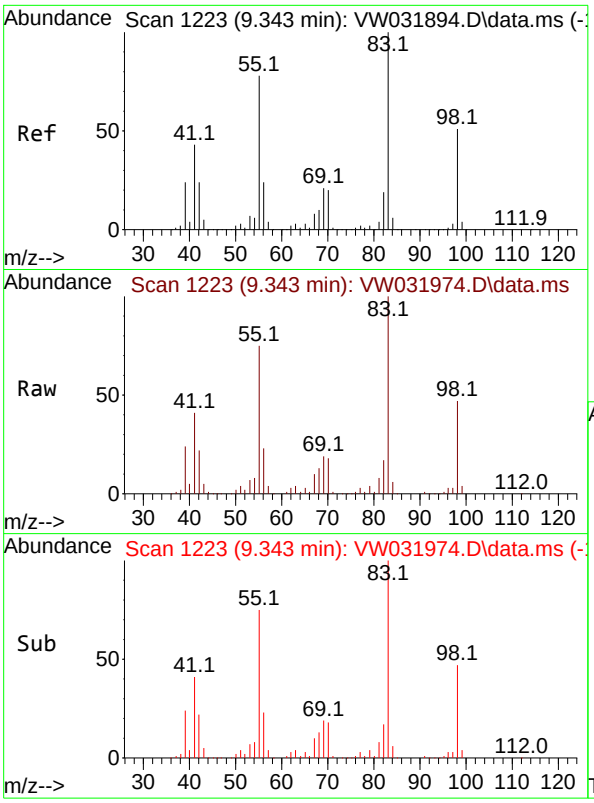


#38
Carbon Tetrachloride
Concen: 19.620 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:117 Resp: 78235

Ion	Ratio	Lower	Upper
117	100		
119	85.3	74.3	111.5
121	30.4	24.6	37.0



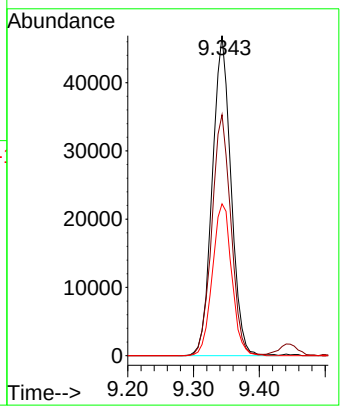


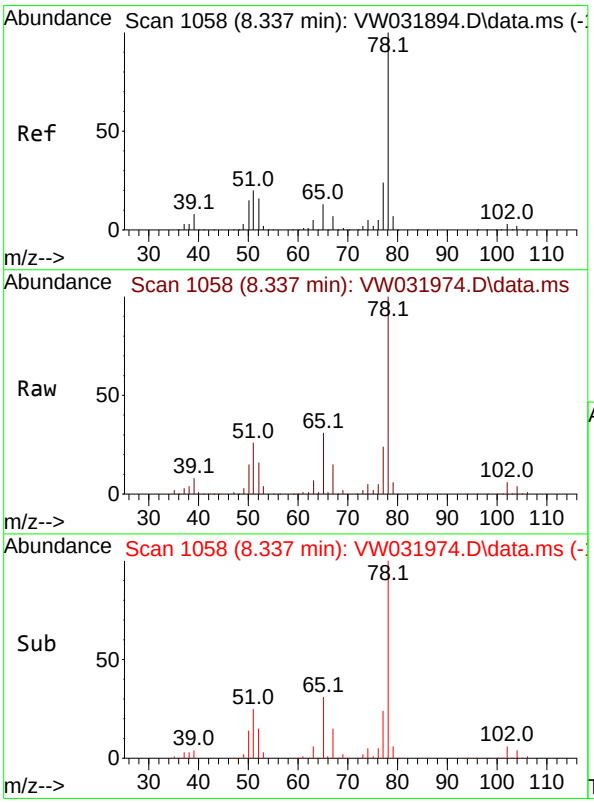
#39
Methylcyclohexane
Concen: 17.779 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 83 Resp: 92958

Ion	Ratio	Lower	Upper
83	100		
55	75.3	62.5	93.7
98	47.5	40.6	61.0

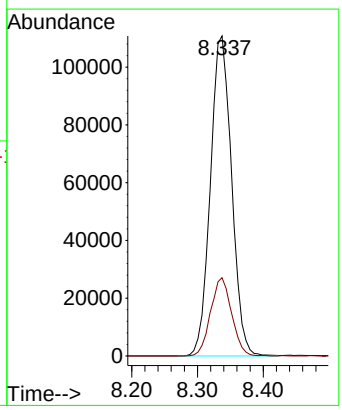


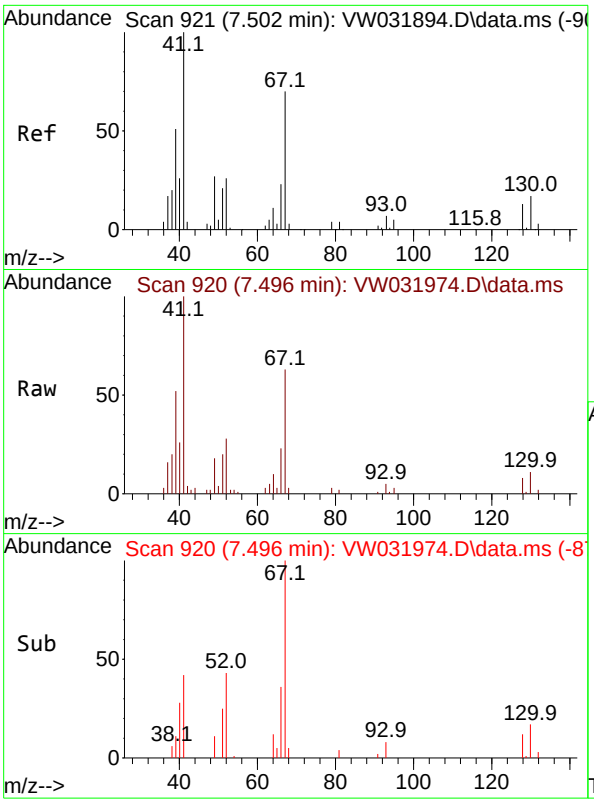


#40
Benzene
Concen: 20.220 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 78 Resp: 248680

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9



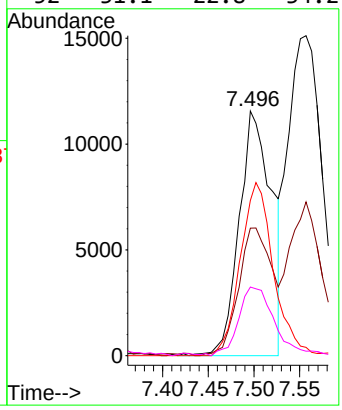


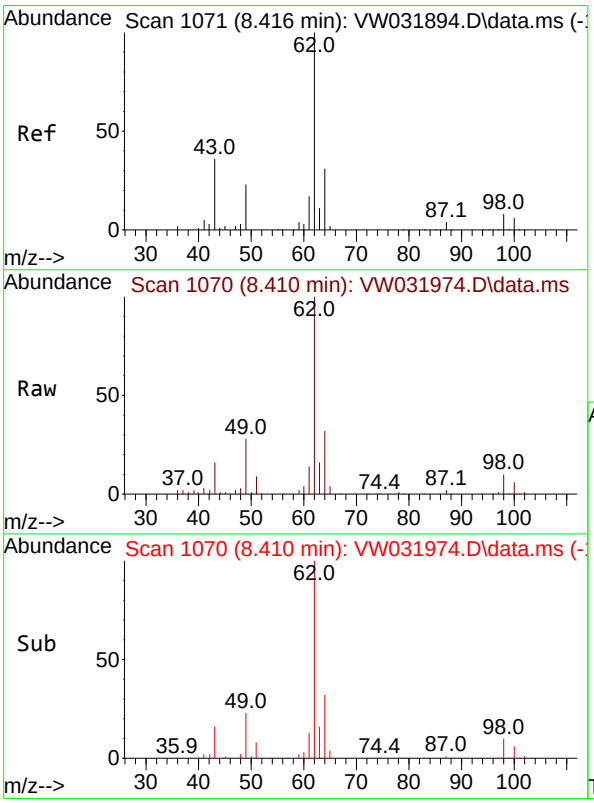
#41
Methacrylonitrile
Concen: 20.106 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 41 Resp: 28527

Ion	Ratio	Lower	Upper
41	100		
39	53.9	41.1	61.7
67	72.5	56.2	84.4
52	31.1	22.8	34.2

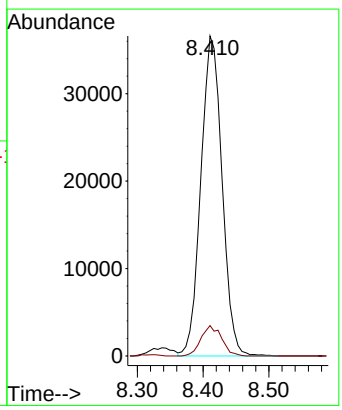


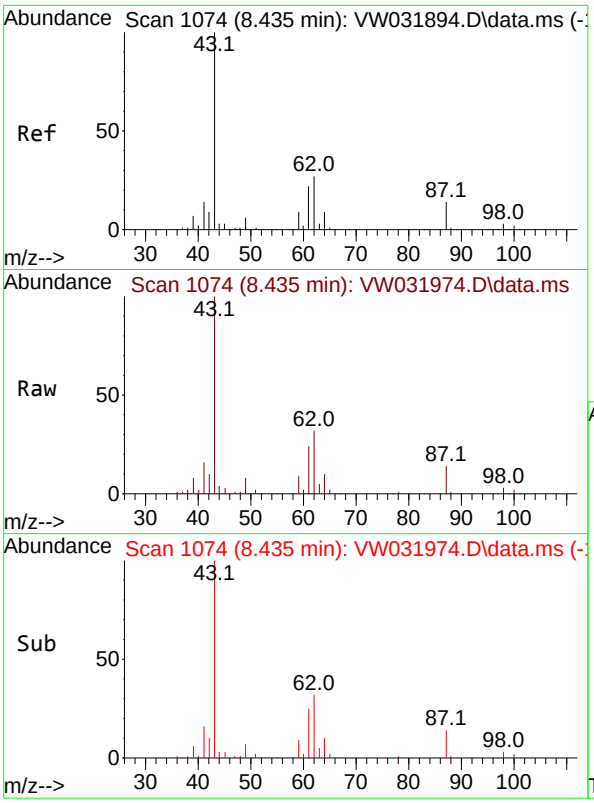


#42
1,2-Dichloroethane
Concen: 20.856 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 62 Resp: 82094

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



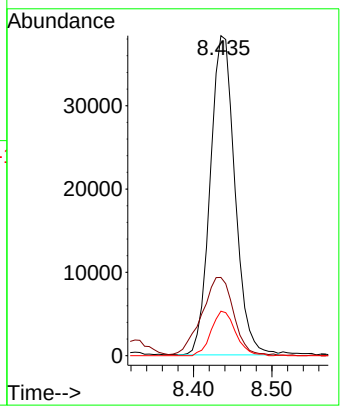


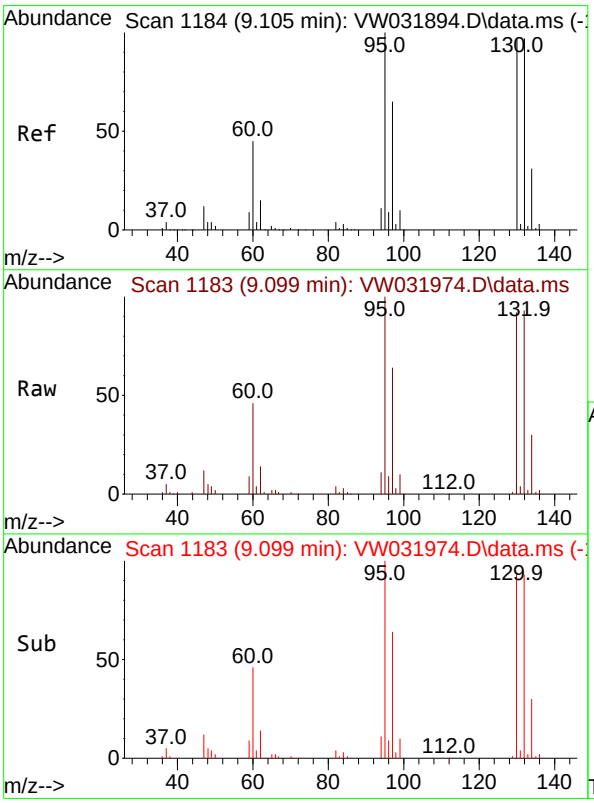
#43
Isopropyl Acetate
Concen: 19.559 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 83921

Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.0	36.0
87	13.8	11.1	16.7

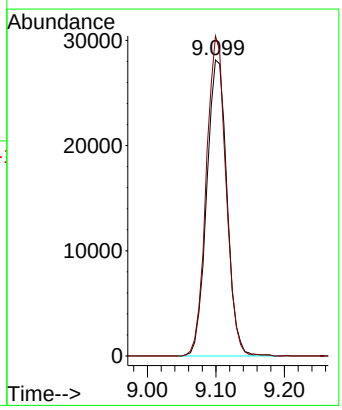


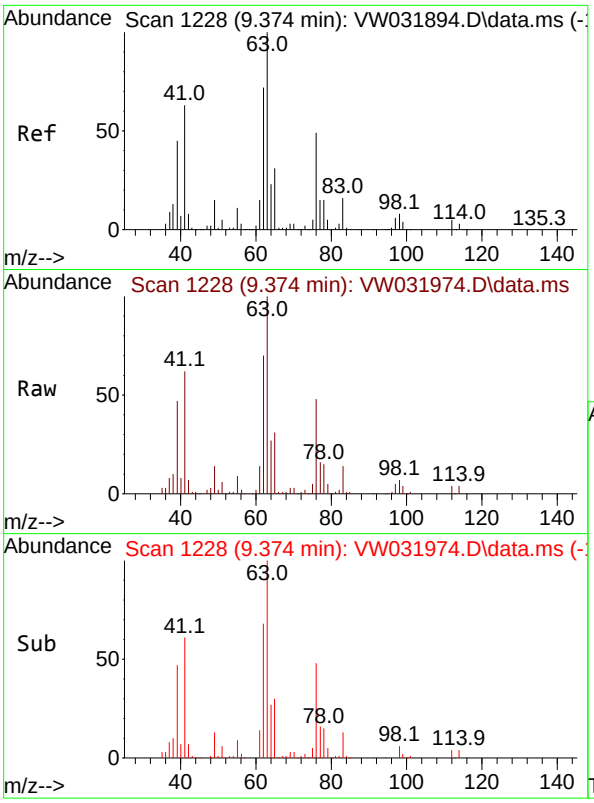


#44
Trichloroethene
Concen: 19.806 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:130 Resp: 57900

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	206.4



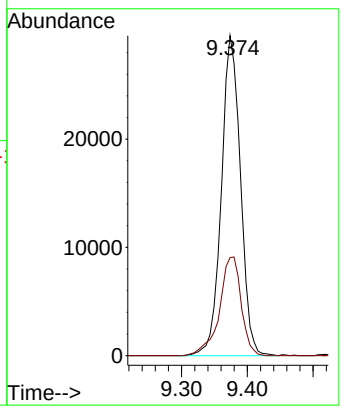


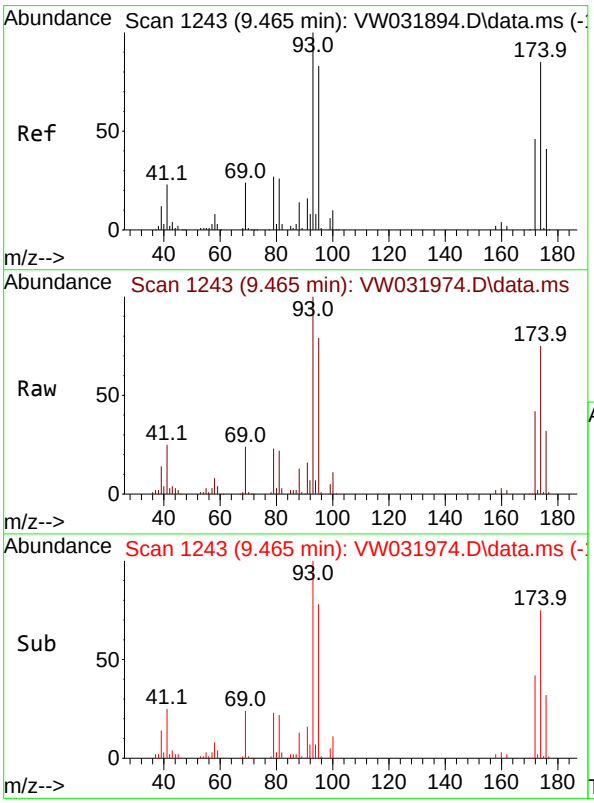
#45
1,2-Dichloropropane
Concen: 20.185 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 63 Resp: 59790

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.4

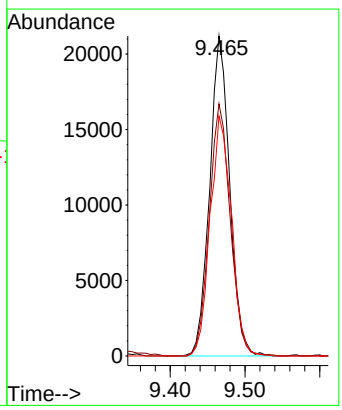


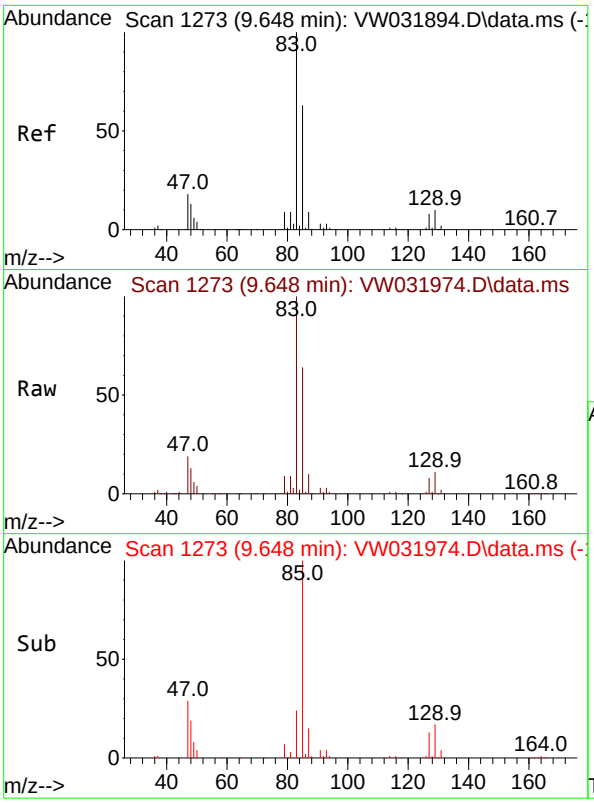


#46
Dibromomethane
Concen: 21.552 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 93 Resp: 39572

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.6
174	79.8	70.2	105.2



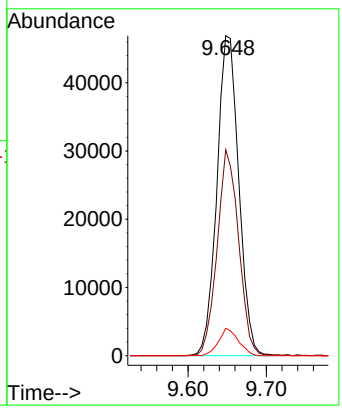


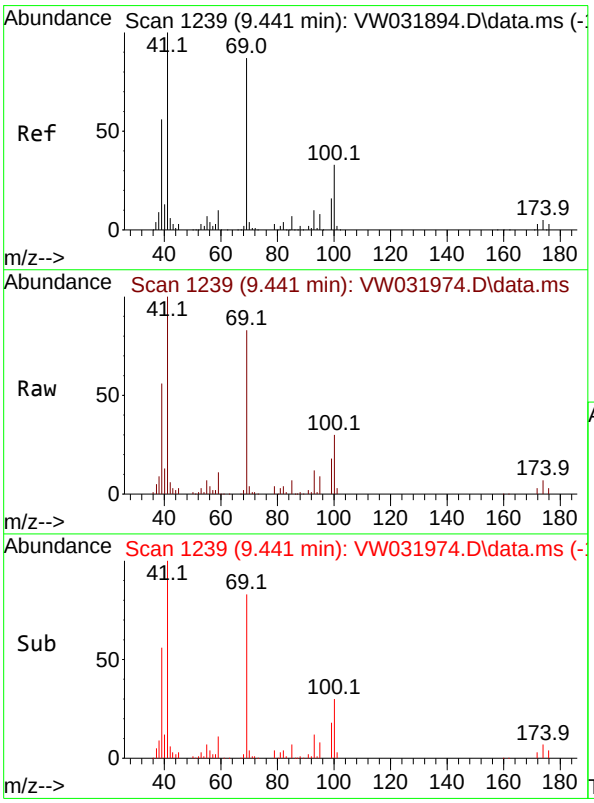
#47
Bromodichloromethane
Concen: 20.666 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 83 Resp: 90989

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	8.5	6.5	9.7

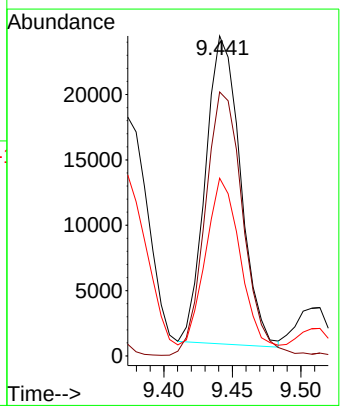


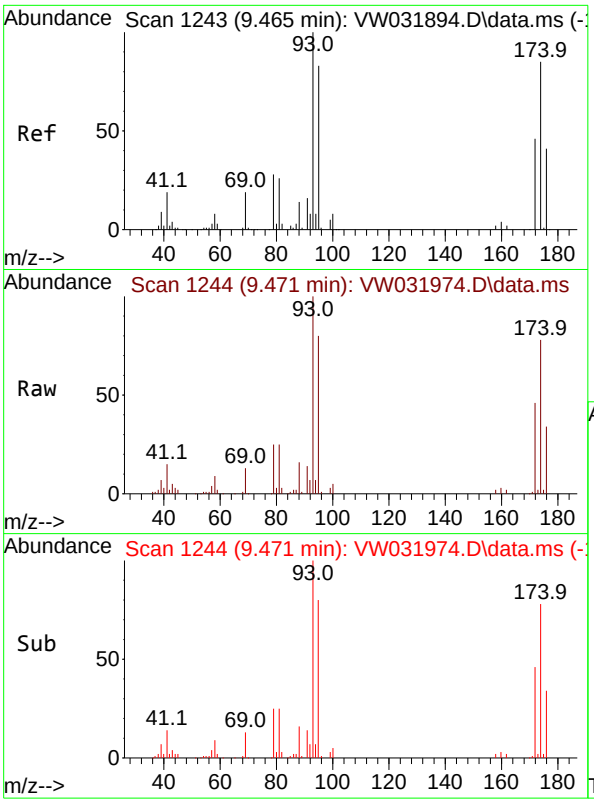


#48
Methyl methacrylate
Concen: 20.436 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 41 Resp: 41717

Ion	Ratio	Lower	Upper
41	100		
69	93.6	73.6	110.4
39	53.6	45.5	68.3



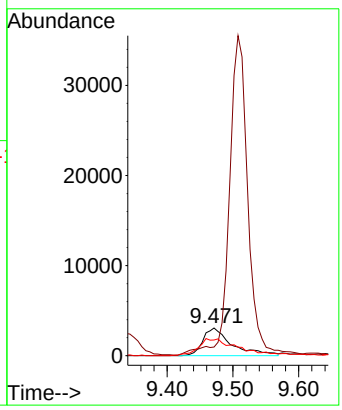


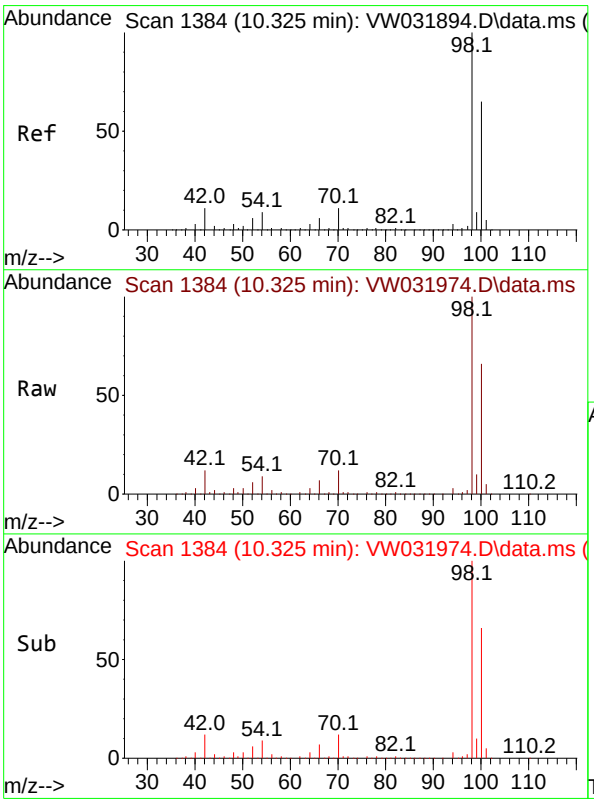
#49
1,4-Dioxane
Concen: 514.860 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 88 Resp: 9433

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	87.6	58.2	87.2#

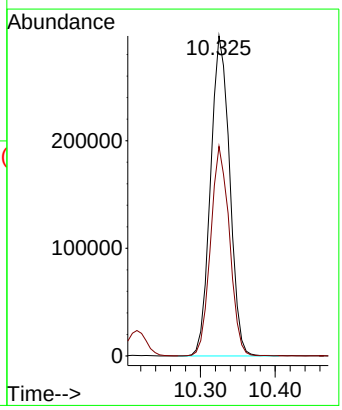


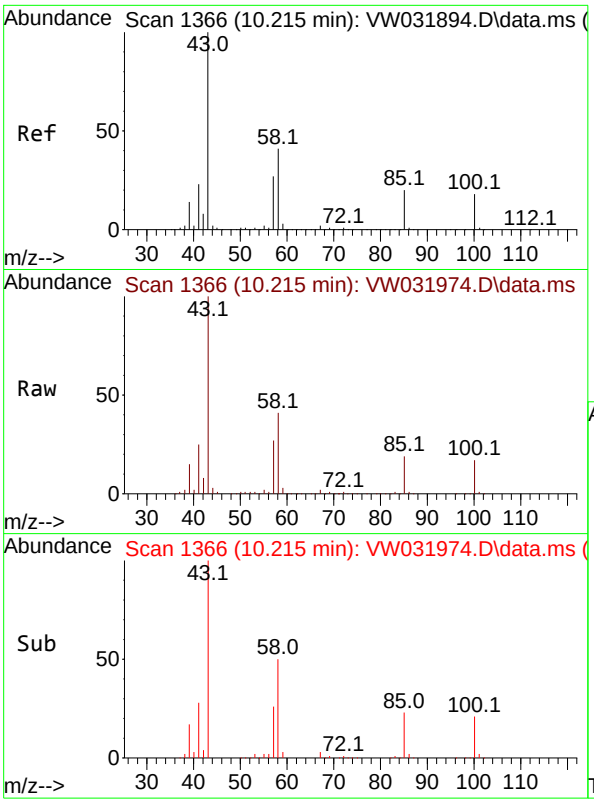


#50
Toluene-d8
Concen: 51.534 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 98 Resp: 527673

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



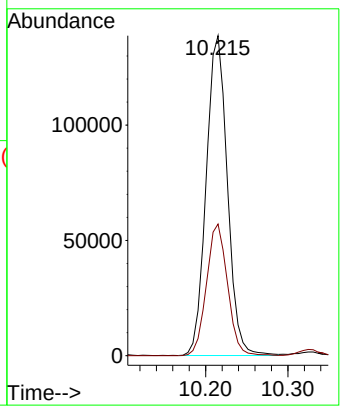


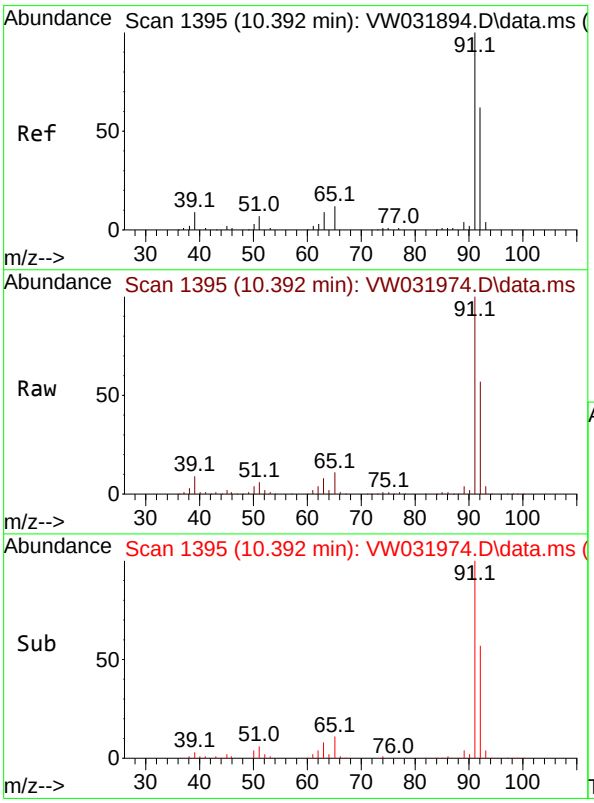
#51
4-Methyl-2-Pentanone
Concen: 105.754 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 248332

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.8	49.2

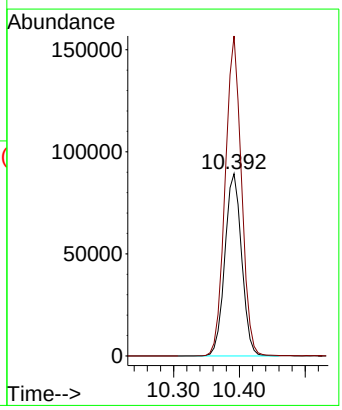


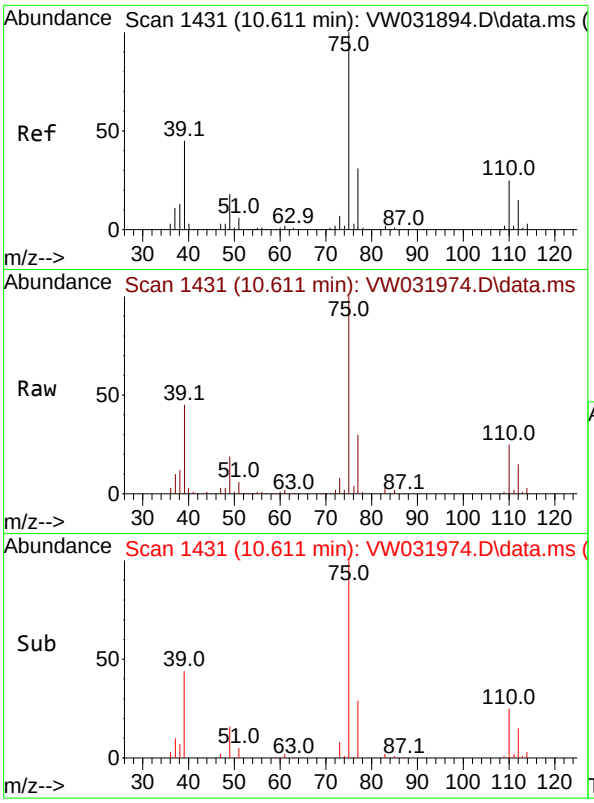


#52
Toluene
Concen: 20.026 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 92 Resp: 158330

Ion	Ratio	Lower	Upper
92	100		
91	170.4	133.7	200.5



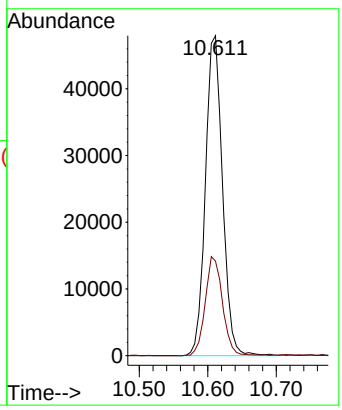


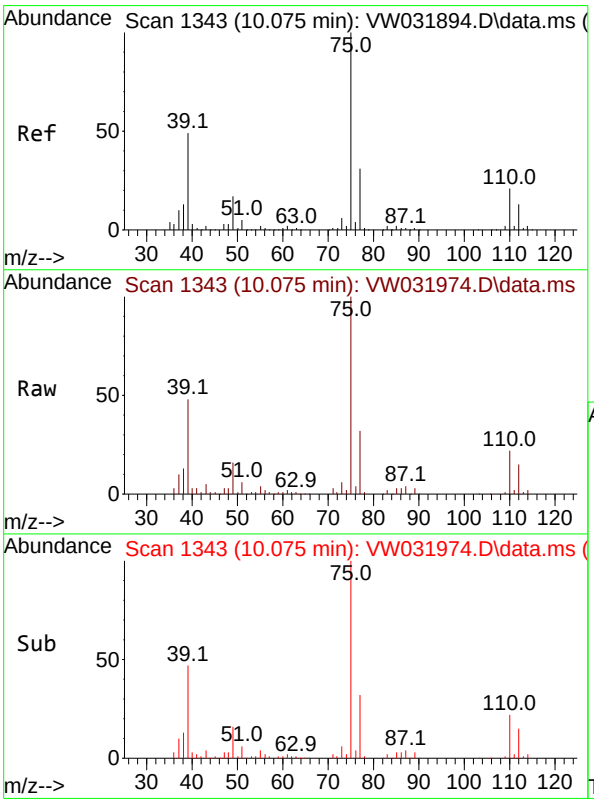
#53
t-1,3-Dichloropropene
Concen: 19.686 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 75 Resp: 83143

Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.2	37.8

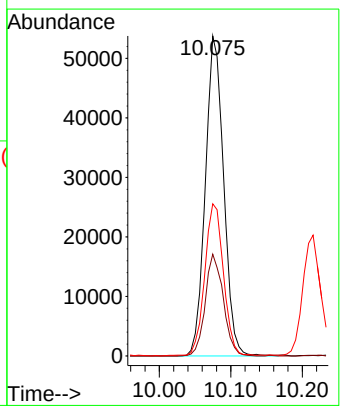


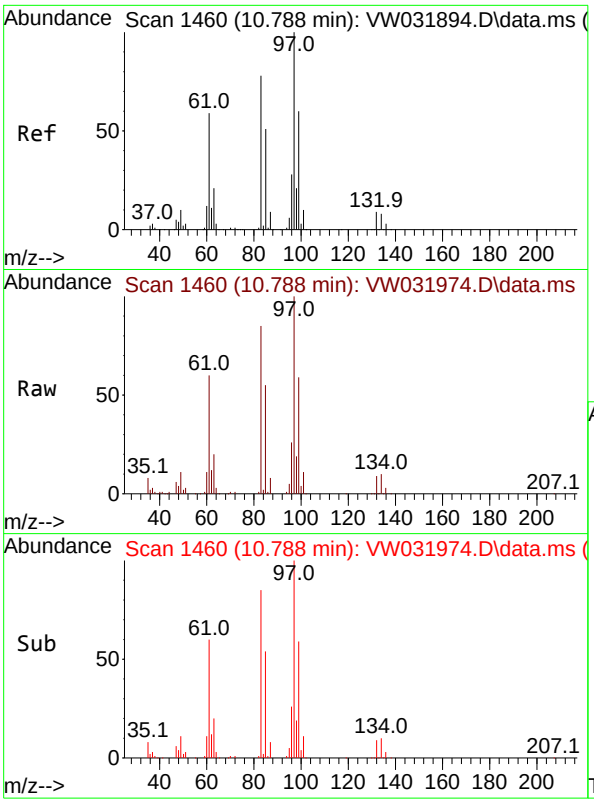


#54
cis-1,3-Dichloropropene
Concen: 19.835 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 95666

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	47.3	39.3	58.9



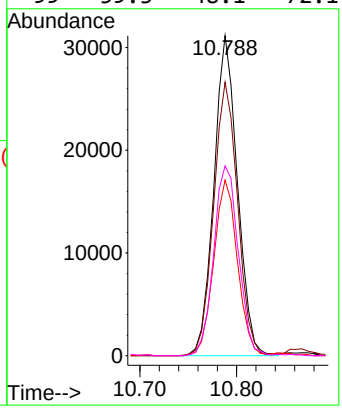


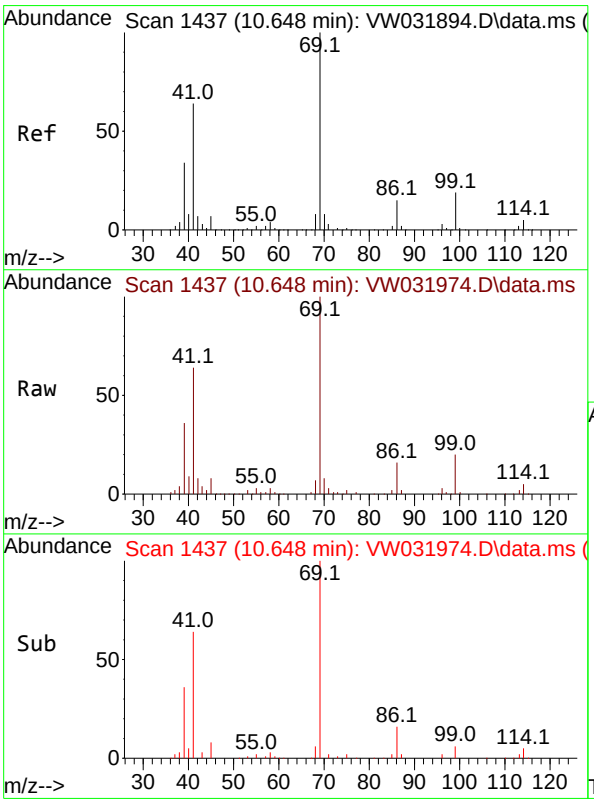
#55
1,1,2-Trichloroethane
Concen: 21.564 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 97 Resp: 52594

Ion	Ratio	Lower	Upper
97	100		
83	85.4	62.4	93.6
85	54.8	41.0	61.6
99	59.3	48.1	72.1

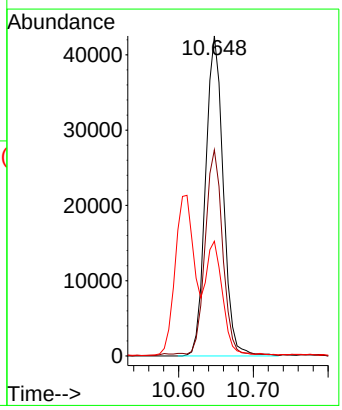


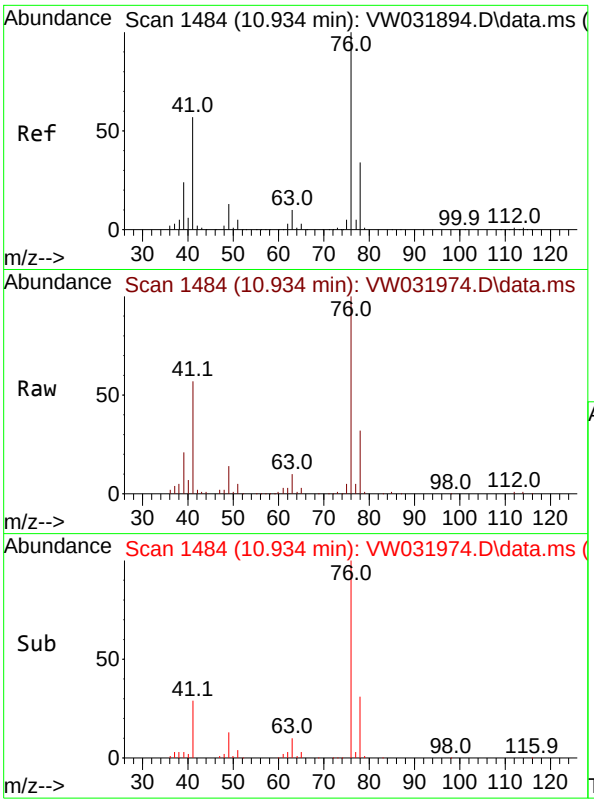


#56
Ethyl methacrylate
Concen: 20.271 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 69 Resp: 69824

Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.0	78.0
39	32.8	26.6	40.0



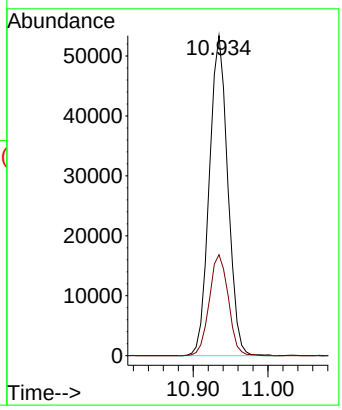


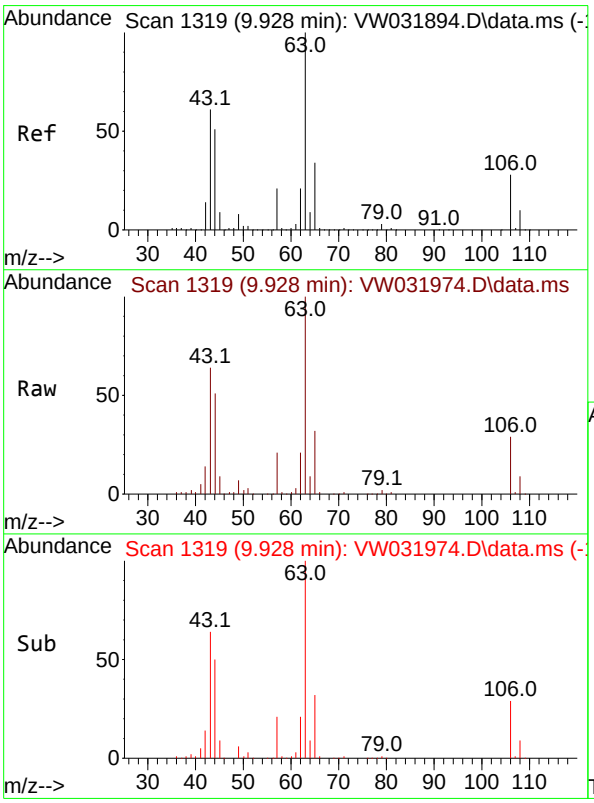
#57
1,3-Dichloropropane
Concen: 21.348 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 76 Resp: 91728

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

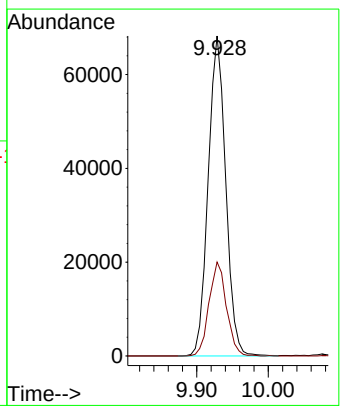


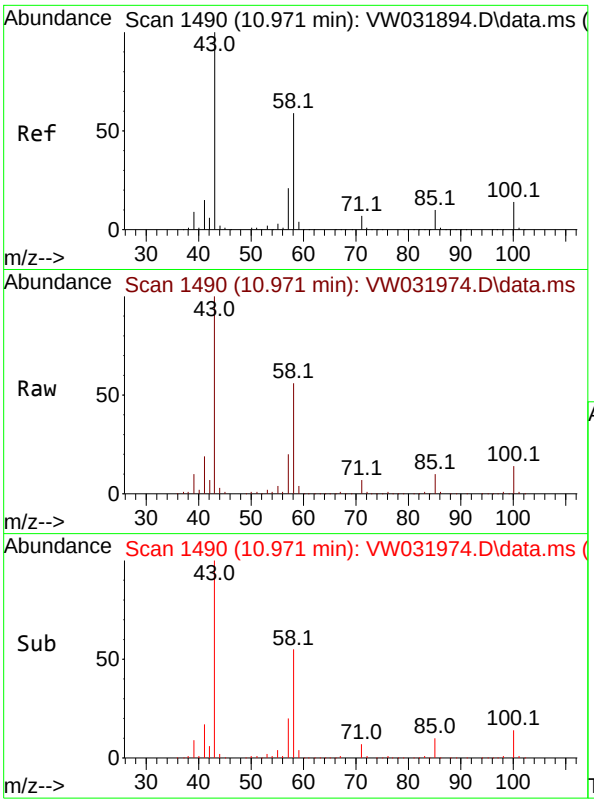


#58
2-Chloroethyl Vinyl ether
Concen: 65.630 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 63 Resp: 116121

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1



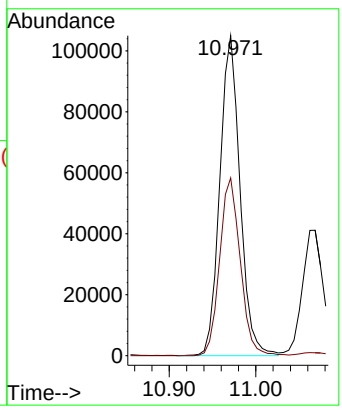


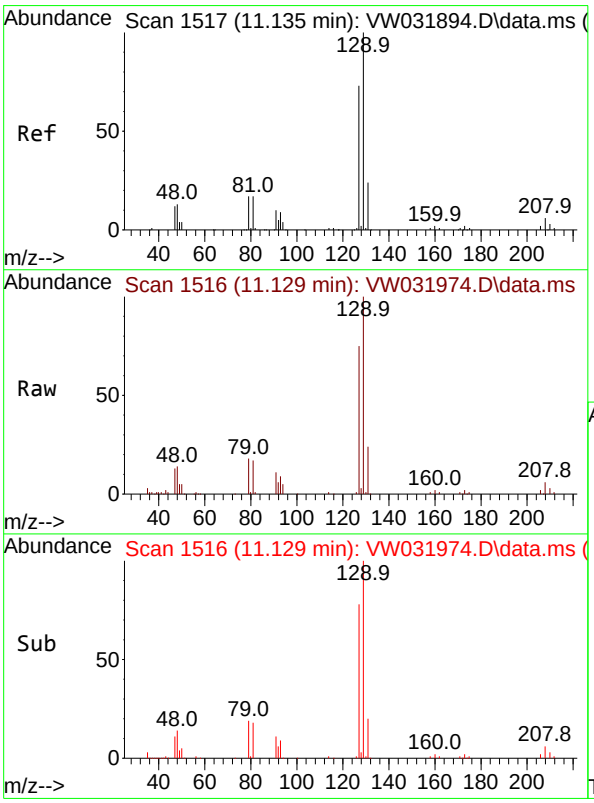
#59
2-Hexanone
Concen: 104.203 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 43 Resp: 170083

Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.5	85.6

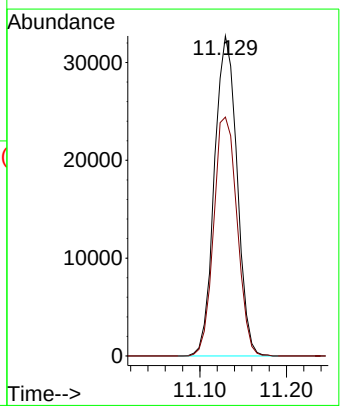


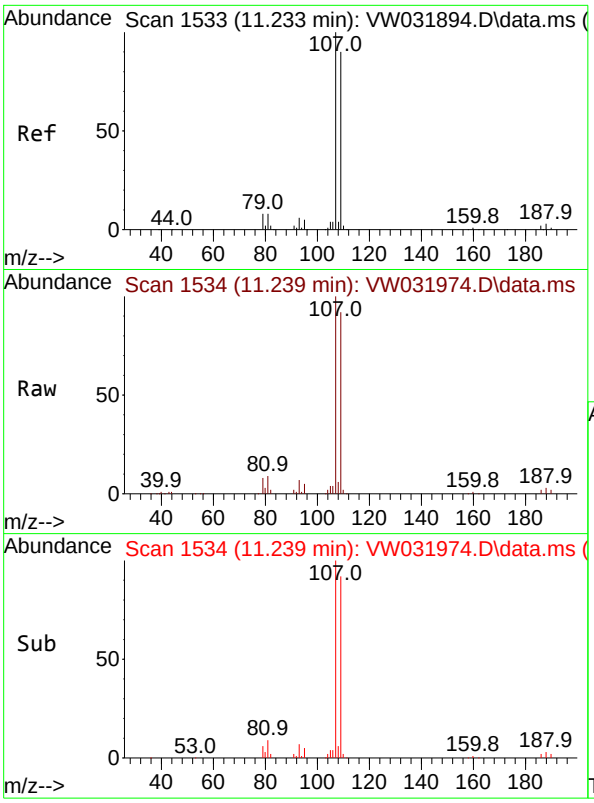


#60
Dibromochloromethane
Concen: 20.836 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:129 Resp: 59250

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.6	118.8



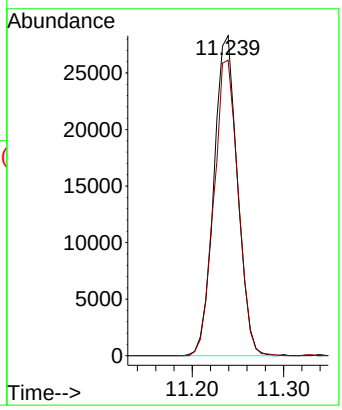


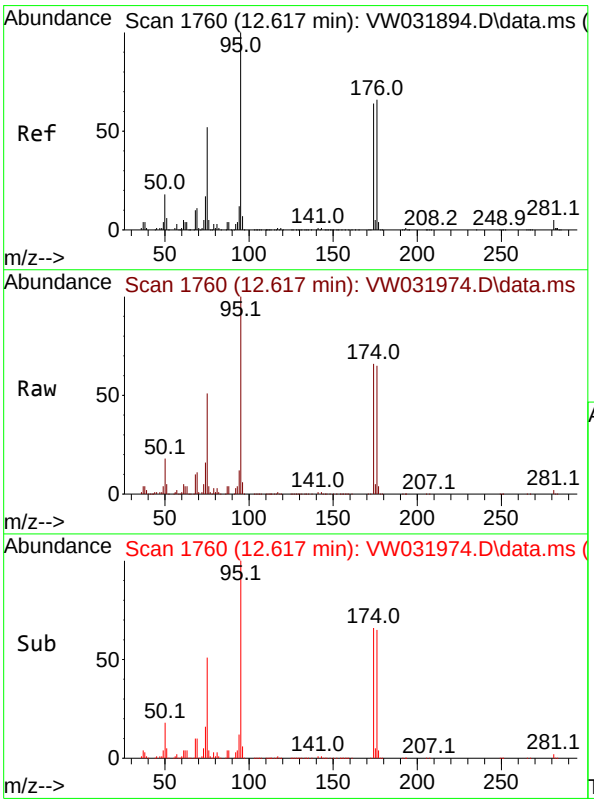
#61
1,2-Dibromoethane
Concen: 21.052 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:107 Resp: 50736

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.2	111.4

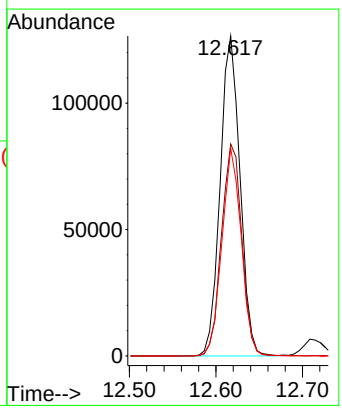


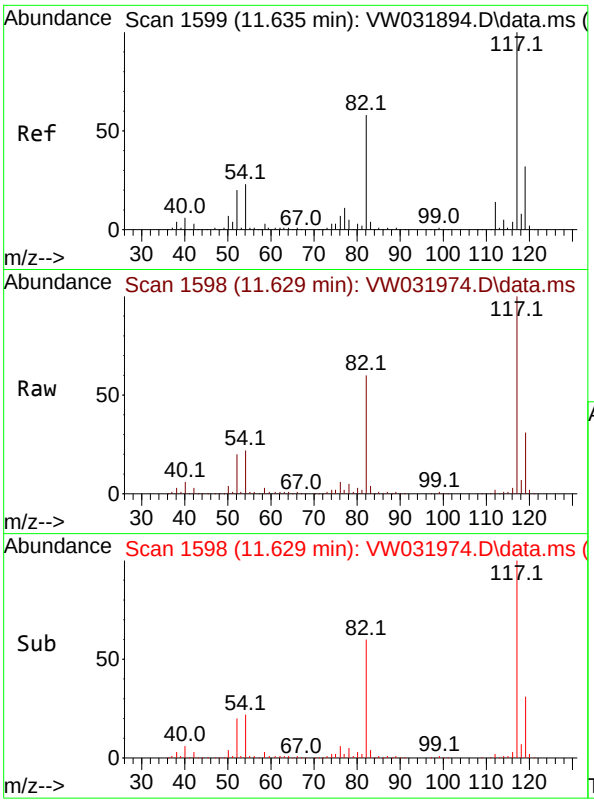


#62
4-Bromofluorobenzene
Concen: 51.243 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 95 Resp: 201472

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	129.8
176	63.6	0.0	130.4



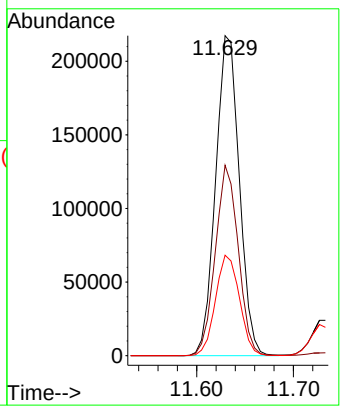


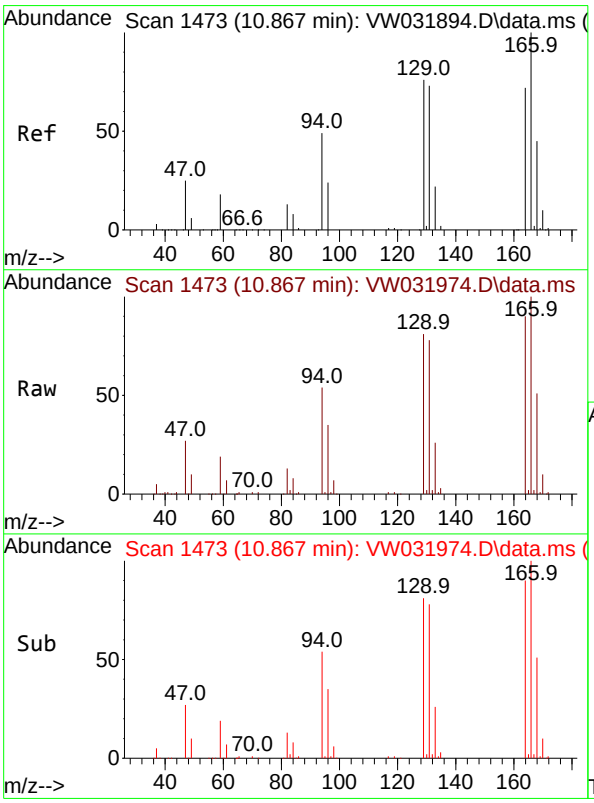
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:117 Resp: 370224

Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.5	69.7
119	31.4	25.8	38.6

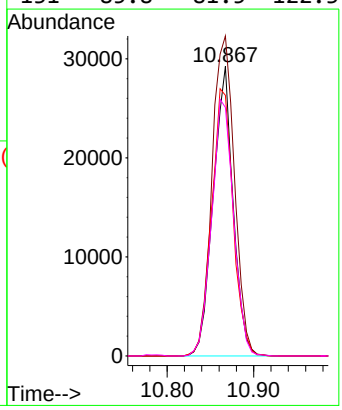


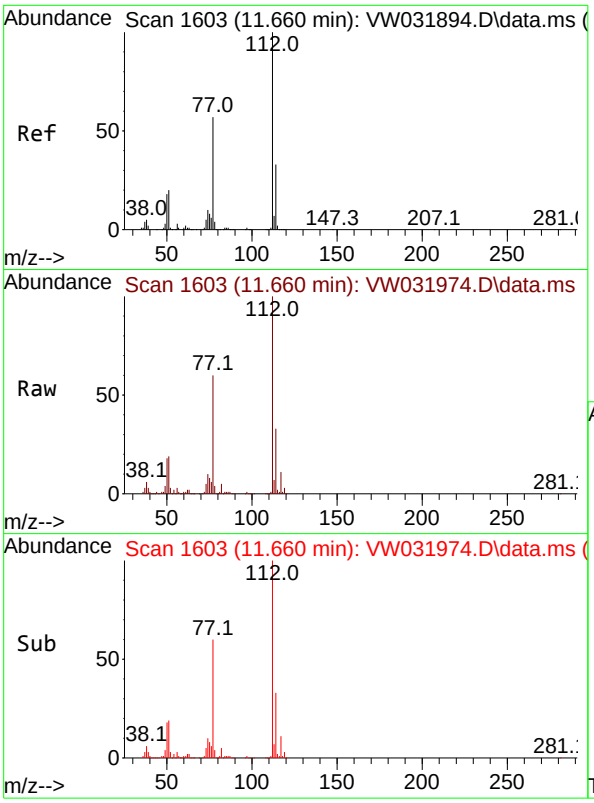


#64
Tetrachloroethene
Concen: 19.202 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:164 Resp: 46870

Ion	Ratio	Lower	Upper
164	100		
166	110.5	111.5	167.3#
129	90.0	85.1	127.7
131	85.8	81.5	122.3



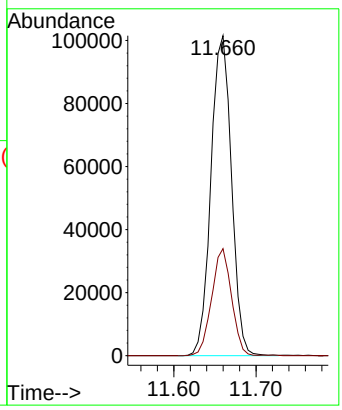


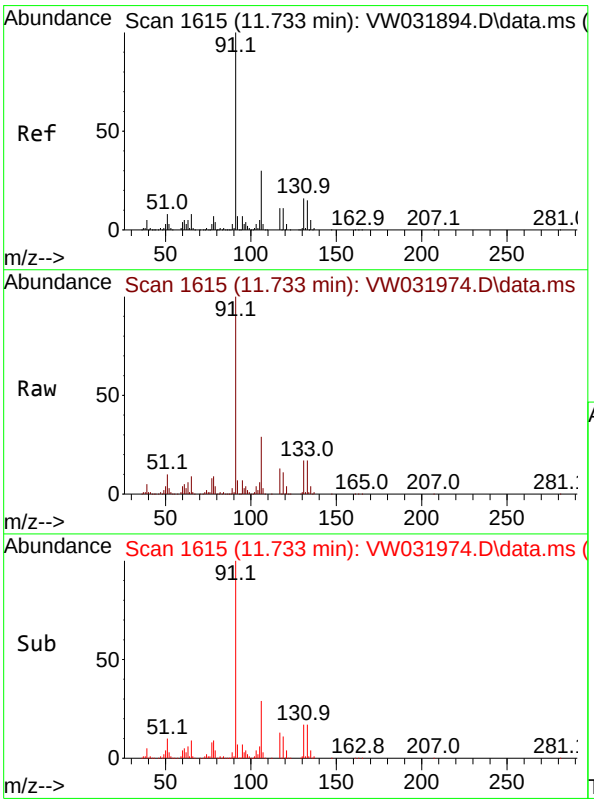
#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:112 Resp: 176168

Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.2	39.2

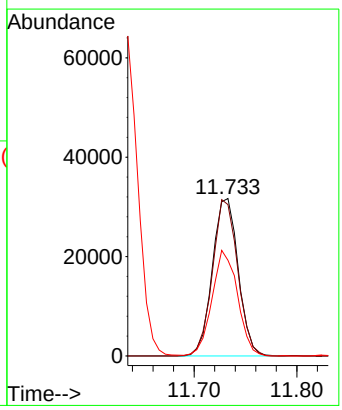


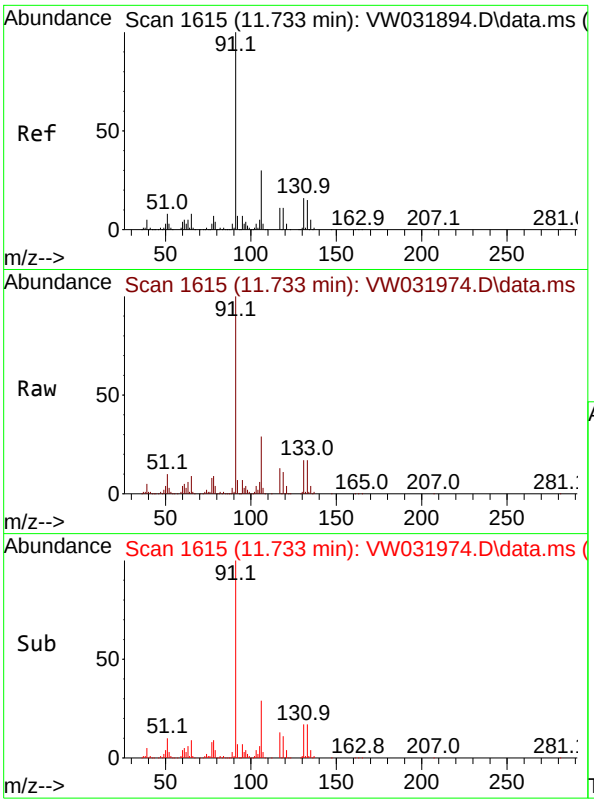


#66
1,1,1,2-Tetrachloroethane
Concen: 19.674 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:131 Resp: 55265

Ion	Ratio	Lower	Upper
131	100		
133	97.3	48.1	144.4
119	66.4	33.7	101.1



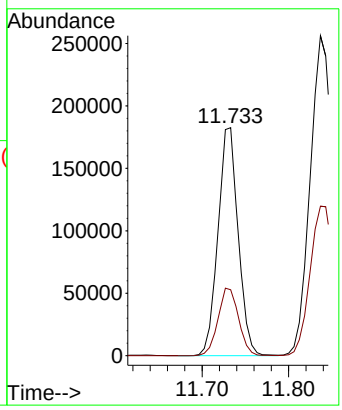


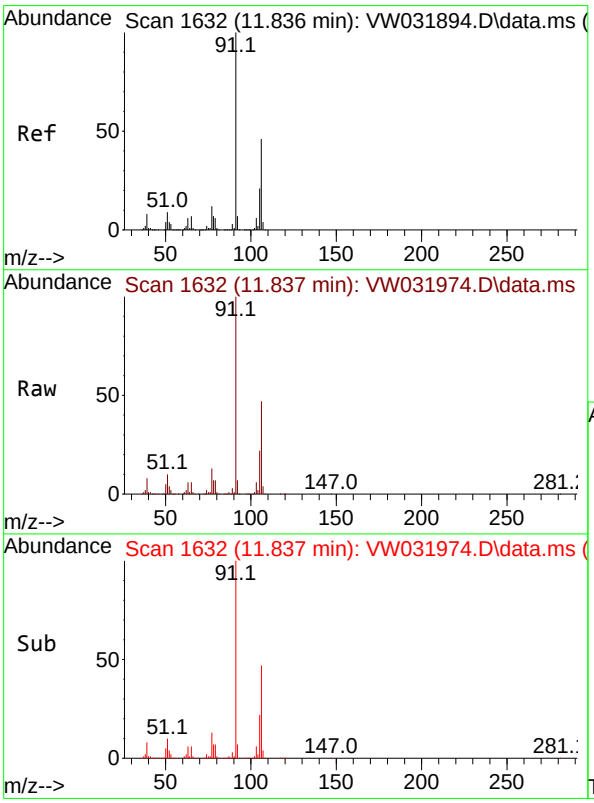
#67
Ethyl Benzene
Concen: 18.579 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 91 Resp: 295776

Ion	Ratio	Lower	Upper
91	100		
106	28.9	23.8	35.6

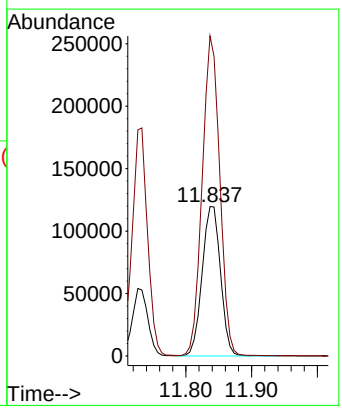


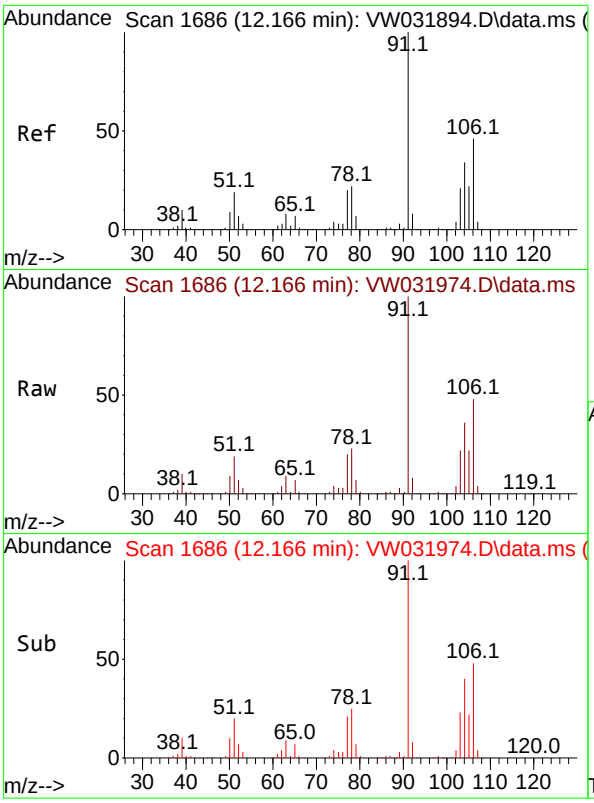


#68
m/p-Xylenes
Concen: 38.752 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:106 Resp: 232252

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.7	251.5



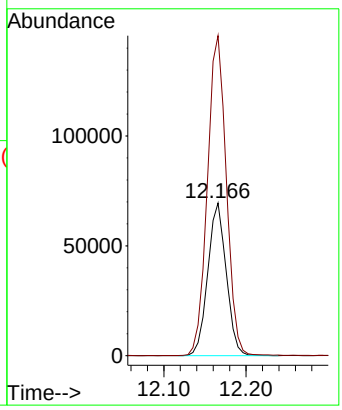


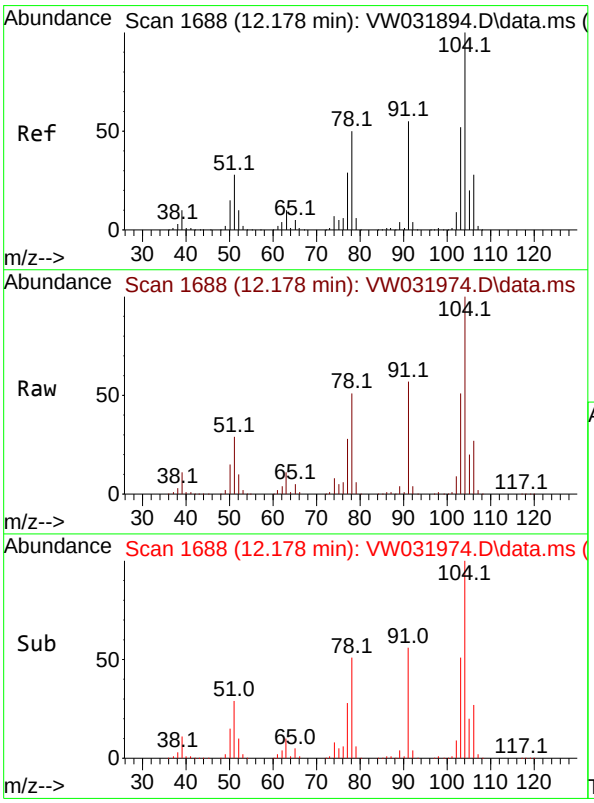
#69
o-Xylene
Concen: 19.082 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:106 Resp: 108231

Ion	Ratio	Lower	Upper
106	100		
91	215.9	108.2	324.6

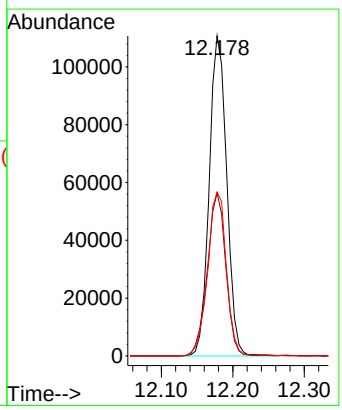


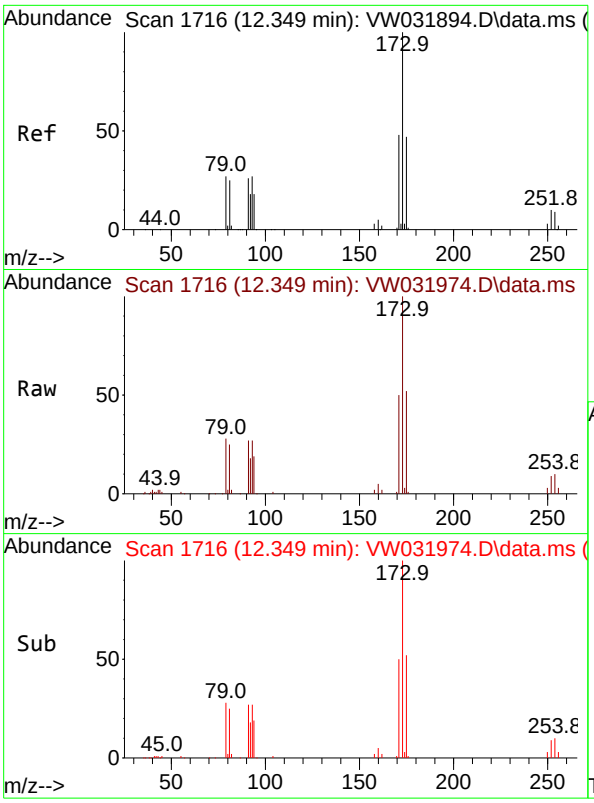


#70
Styrene
Concen: 19.523 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:104 Resp: 188534

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	54.9	42.8	64.2



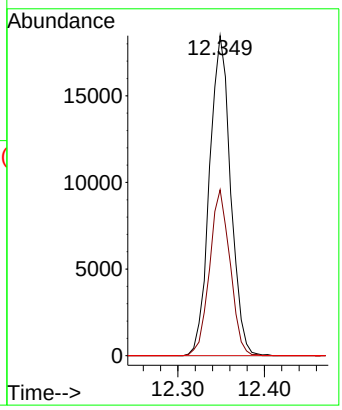


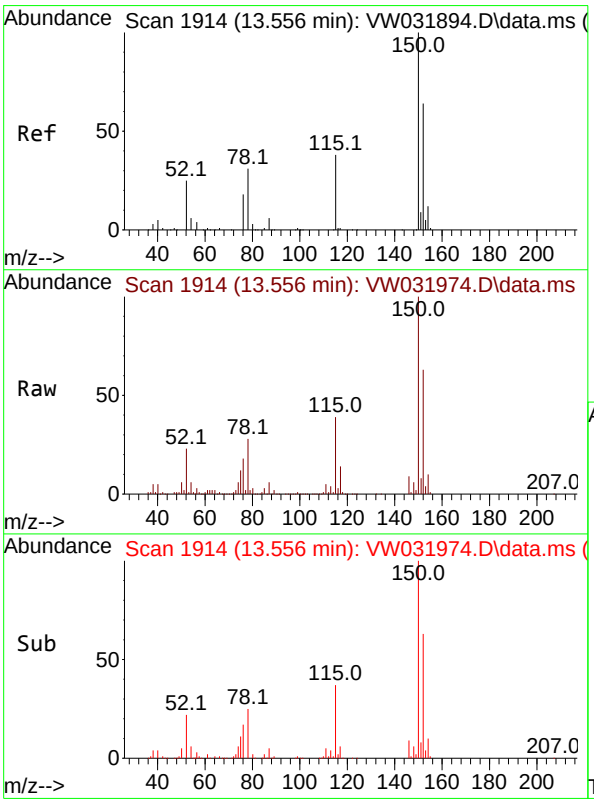
#71
Bromoform
Concen: 20.378 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:173 Resp: 31306

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.5	73.5
254	0.0	0.2	0.2#

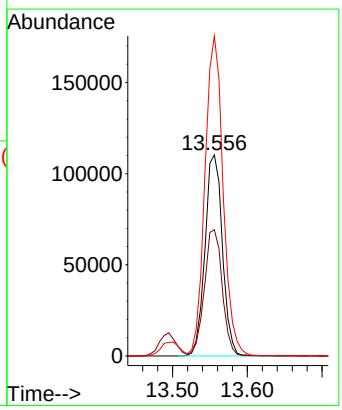


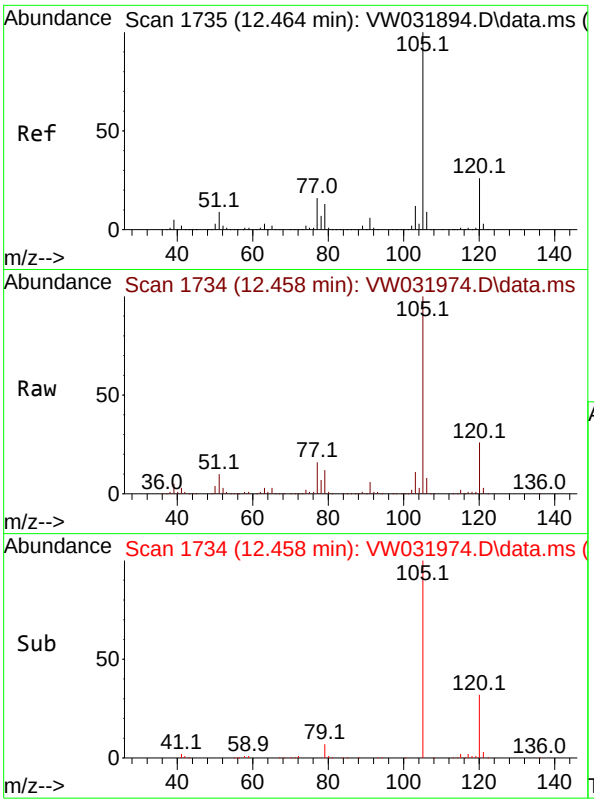


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:152 Resp: 179082

Ion	Ratio	Lower	Upper
152	100		
115	64.4	33.4	100.1
150	165.2	0.0	352.2



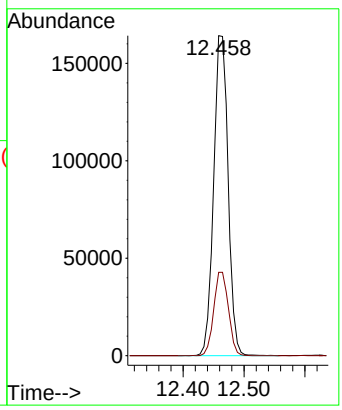


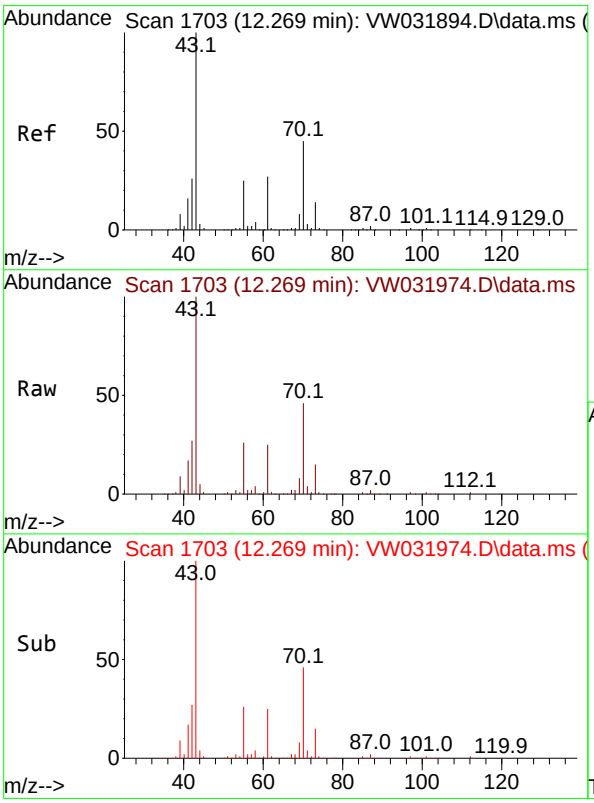
#73
Isopropylbenzene
Concen: 17.378 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:105 Resp: 270032

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.6	37.8

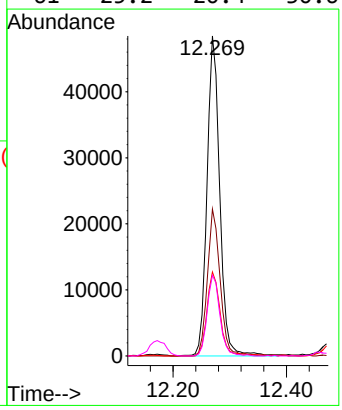


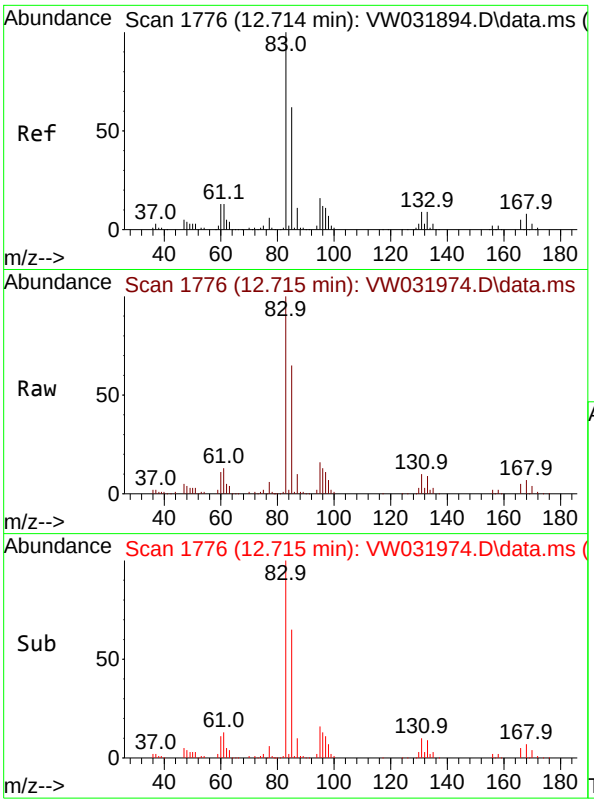


#74
N-amyl acetate
Concen: 17.998 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 43 Resp: 75603

Ion	Ratio	Lower	Upper
43	100		
70	45.9	36.6	55.0
55	27.7	20.7	31.1
61	25.2	20.4	30.6



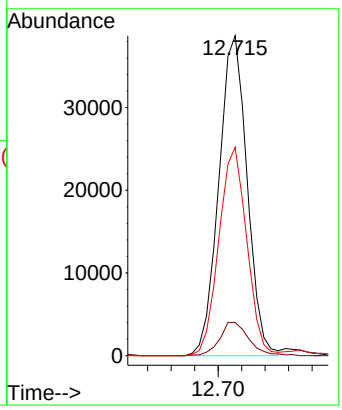


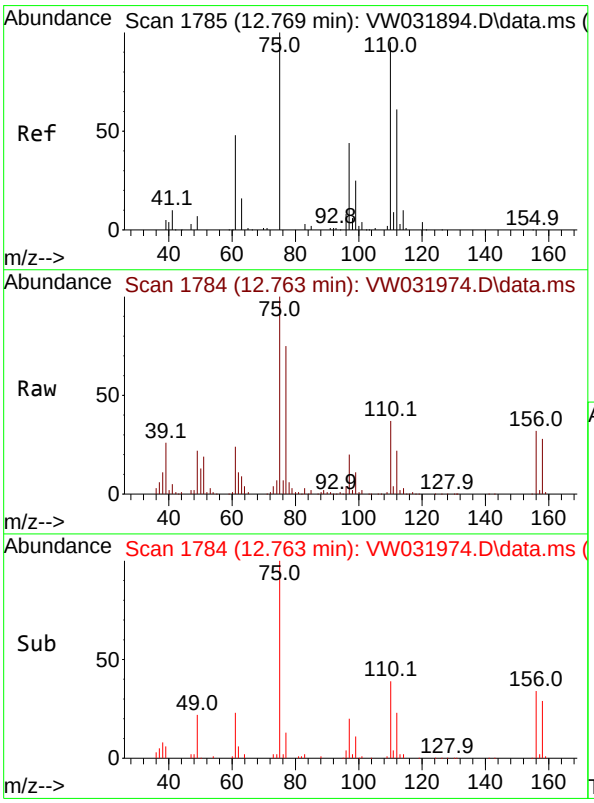
#75
1,1,2,2-Tetrachloroethane
Concen: 19.587 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 83 Resp: 64603

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	15.0
85	64.3	31.8	95.3

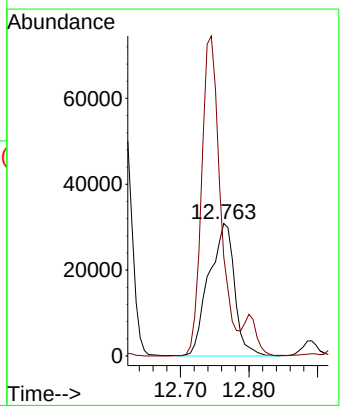


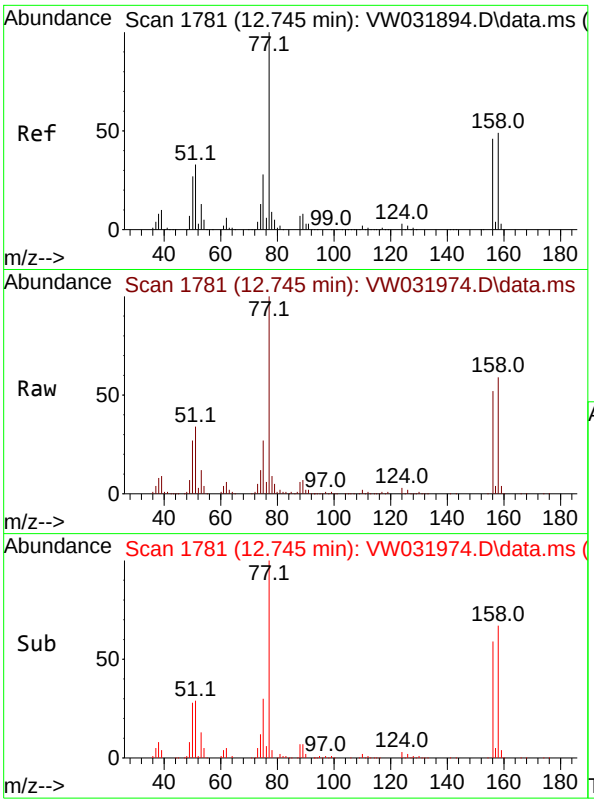


#76
1,2,3-Trichloropropane
Concen: 32.508 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 80375

Ion	Ratio	Lower	Upper
75	100		
77	178.7	0.0	0.0#



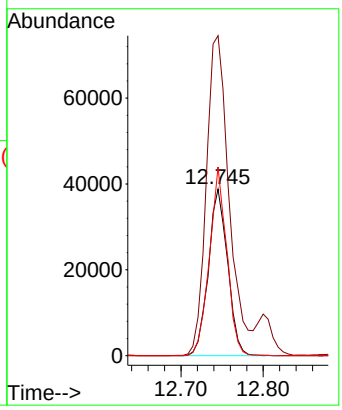


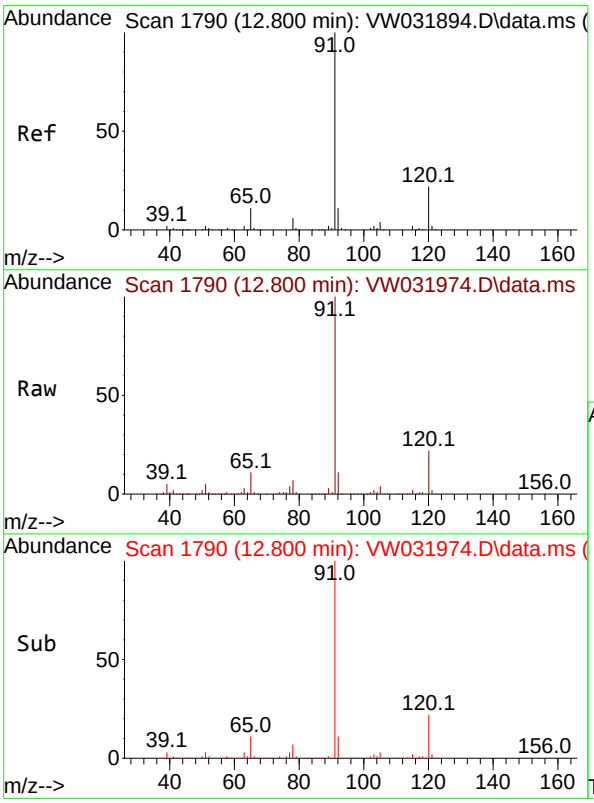
#77
Bromobenzene
Concen: 18.749 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:156 Resp: 63035

Ion	Ratio	Lower	Upper
156	100		
77	227.9	115.3	345.8
158	103.2	50.1	150.3

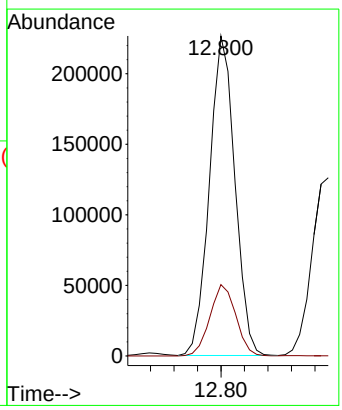


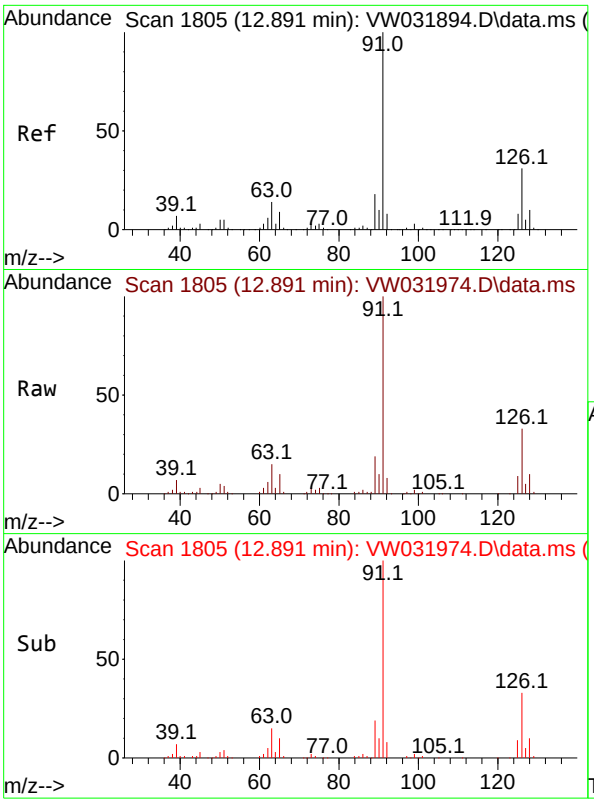


#78
n-propylbenzene
Concen: 17.893 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 91 Resp: 341470

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.6



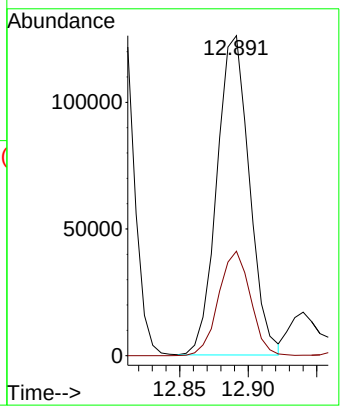


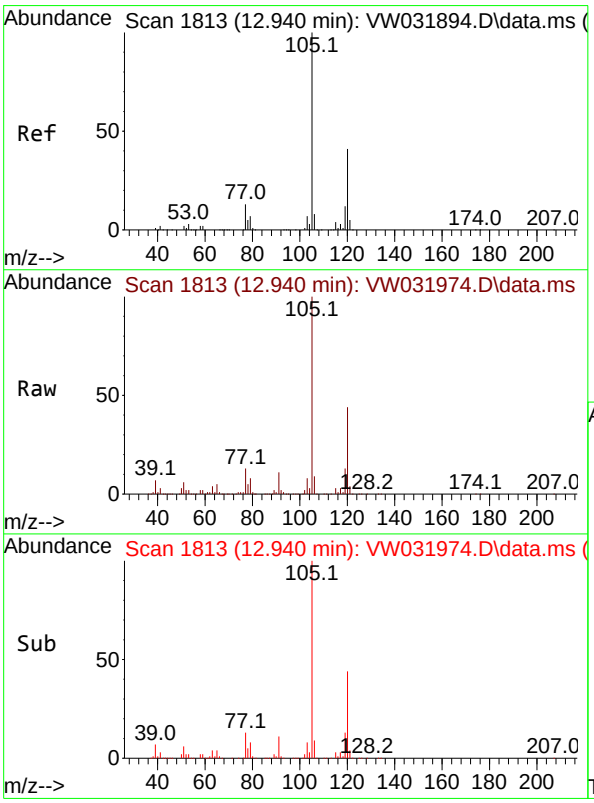
#79
2-Chlorotoluene
Concen: 18.259 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 91 Resp: 208047

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.8

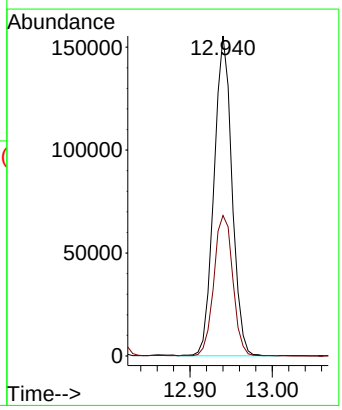


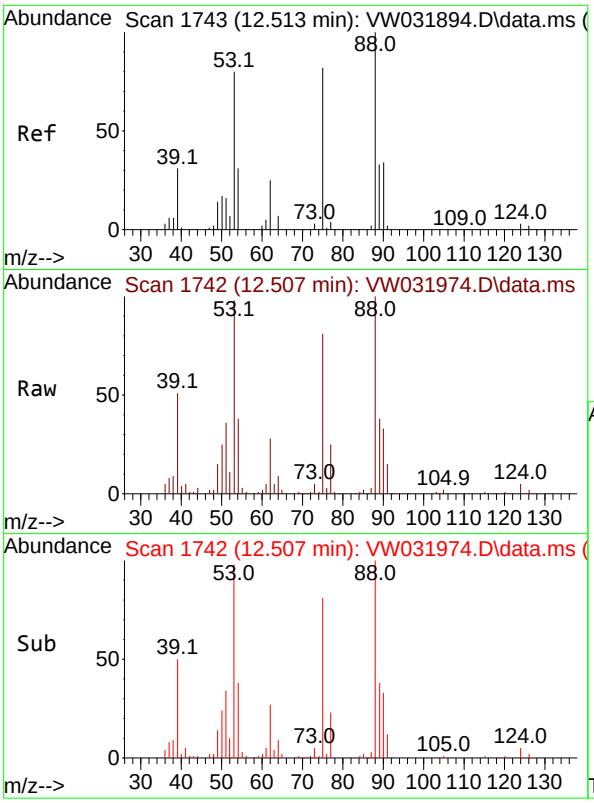


#80
1,3,5-Trimethylbenzene
Concen: 18.109 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:105 Resp: 235990

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5



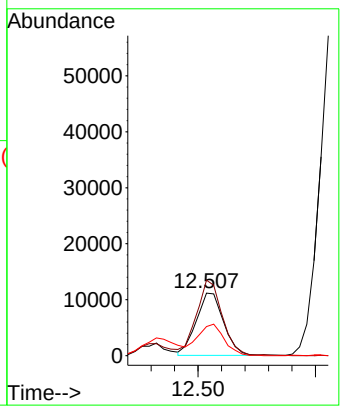


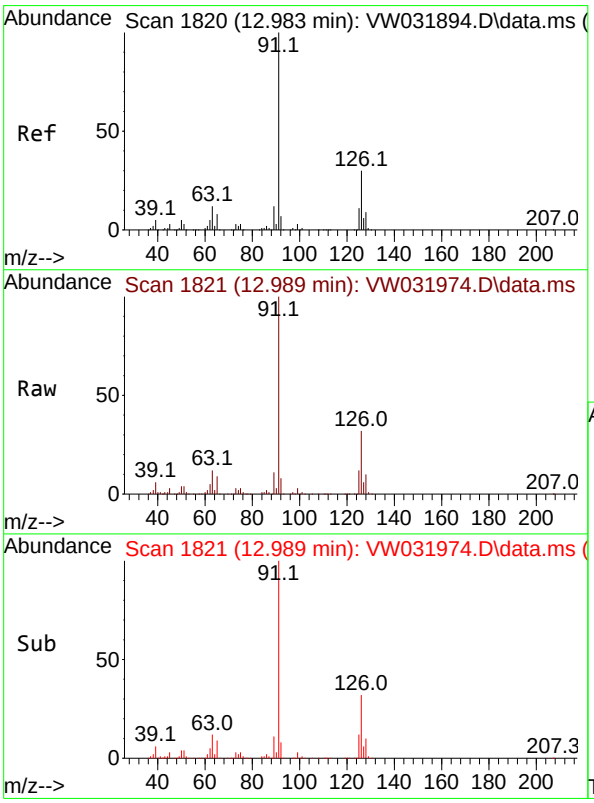
#81
trans-1,4-Dichloro-2-butene
Concen: 16.756 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 75 Resp: 17945

Ion	Ratio	Lower	Upper
75	100		
53	112.7	83.7	125.5
89	49.3	39.0	58.6

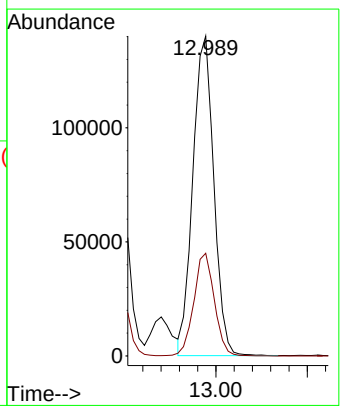


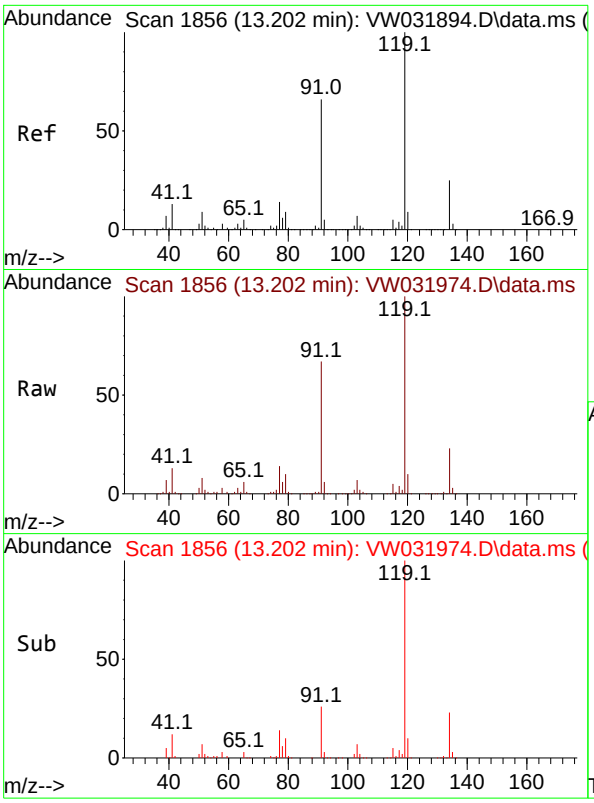


#82
4-Chlorotoluene
Concen: 18.631 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 91 Resp: 222703

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3



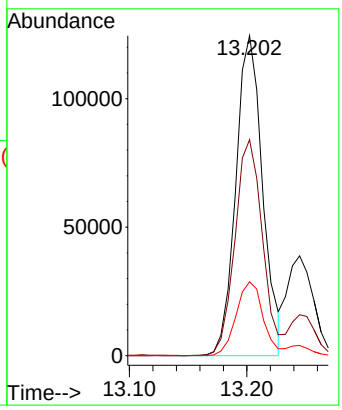


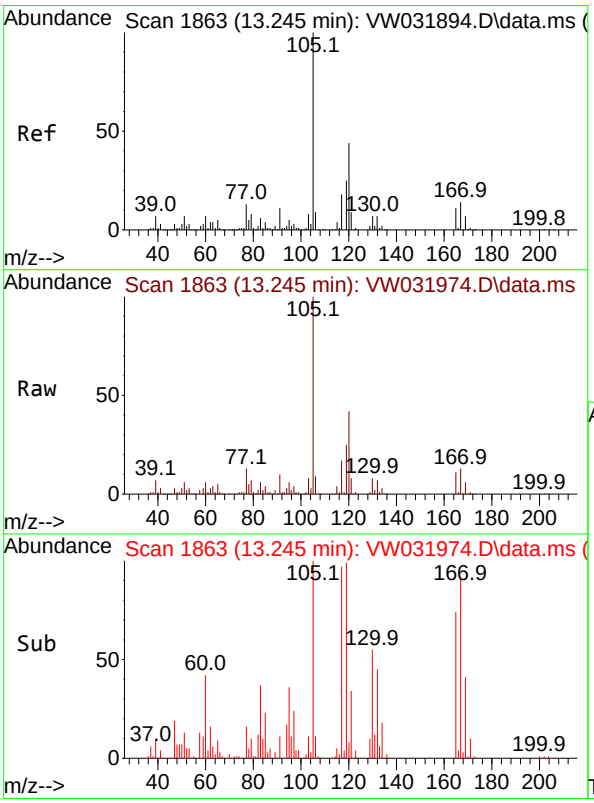
#83
tert-Butylbenzene
Concen: 17.772 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:119 Resp: 197280

Ion	Ratio	Lower	Upper
119	100		
91	68.9	35.5	106.5
134	23.6	12.4	37.0

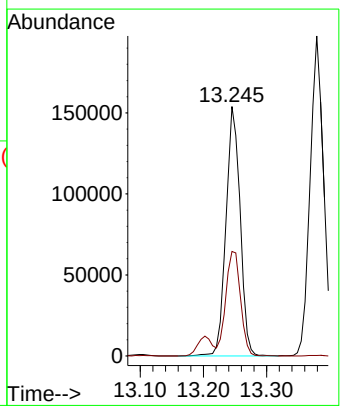


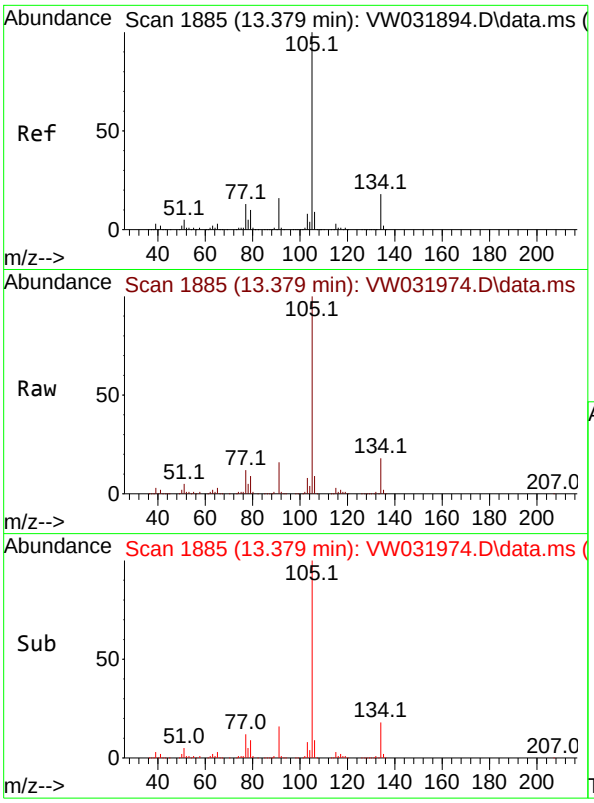


#84
1,2,4-Trimethylbenzene
Concen: 18.128 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:105 Resp: 239109

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.3	63.9



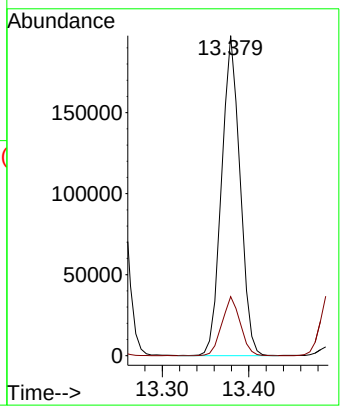


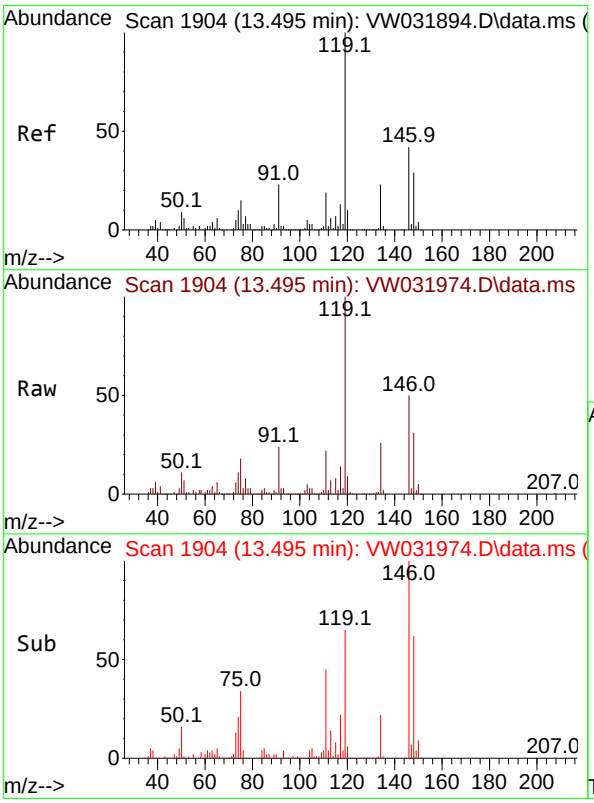
#85
sec-Butylbenzene
Concen: 17.568 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:105 Resp: 292862

Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.2	27.6

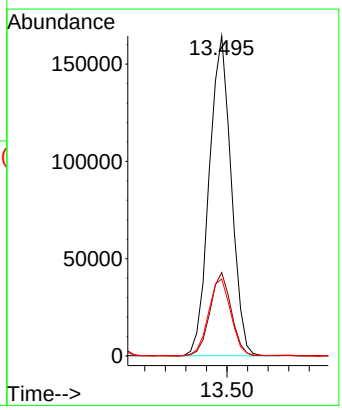


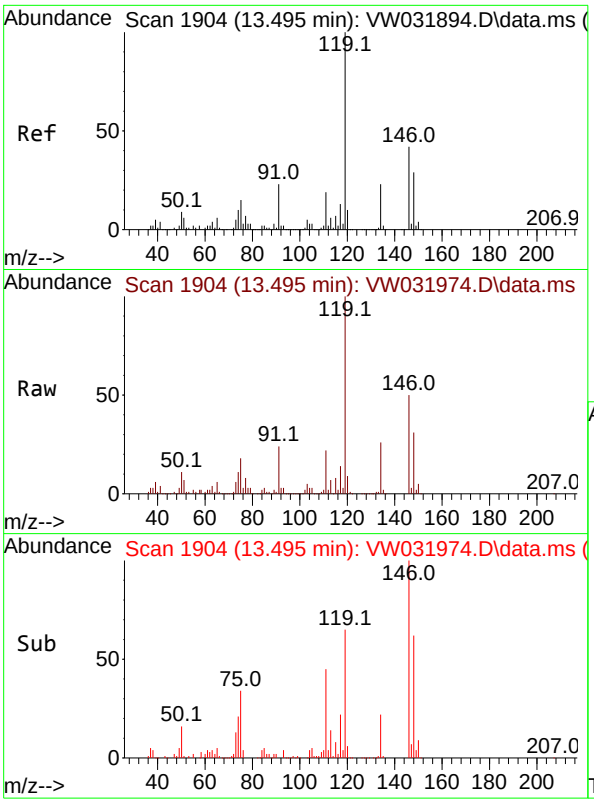


#86
p-Isopropyltoluene
Concen: 17.672 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:119 Resp: 243490

Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.0	39.0
91	24.4	12.7	38.1



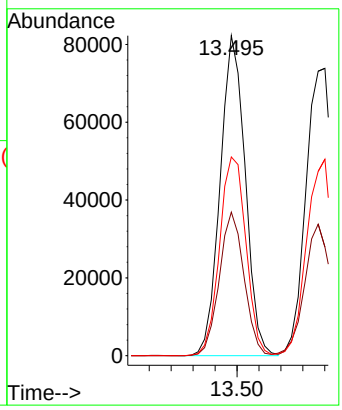


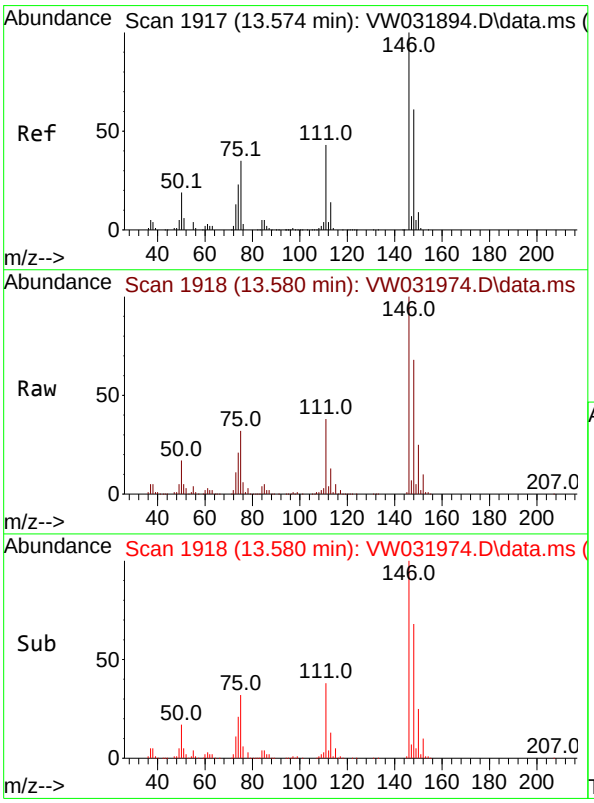
#87
1,3-Dichlorobenzene
Concen: 18.660 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:146 Resp: 130590

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.9	65.7
148	65.5	31.9	95.5

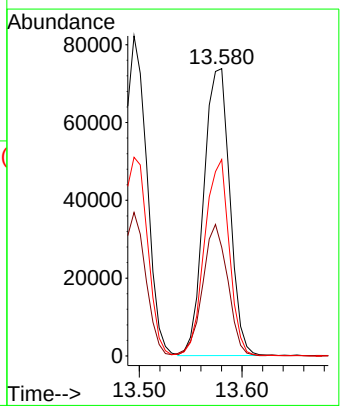


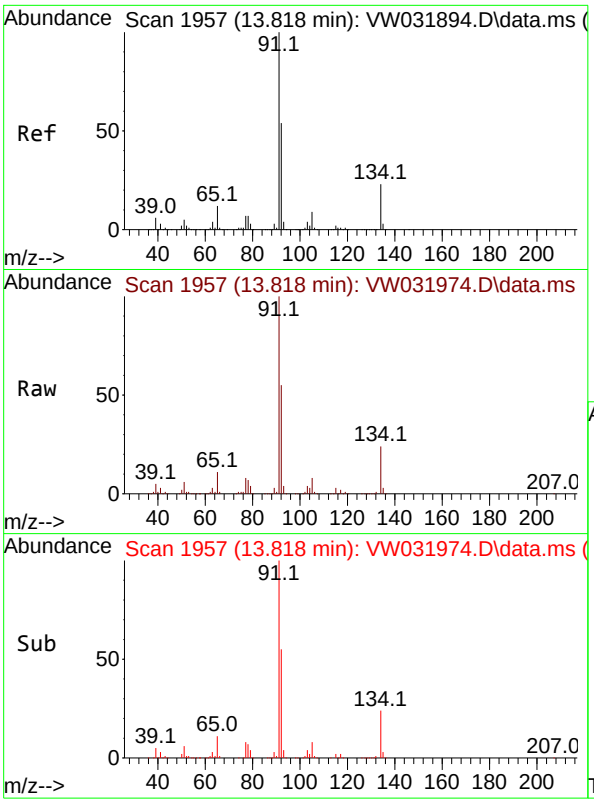


#88
1,4-Dichlorobenzene
Concen: 18.859 ug/l
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:146 Resp: 129287

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	65.2	31.8	95.3



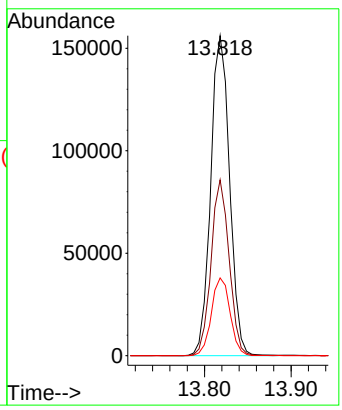


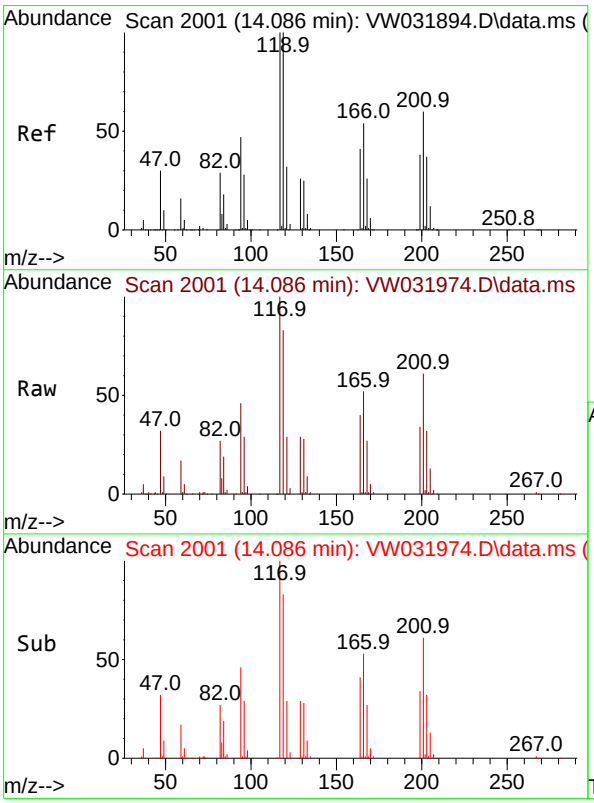
#89
n-Butylbenzene
Concen: 17.508 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion: 91 Resp: 236649

Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.2	81.5
134	24.1	11.6	34.7

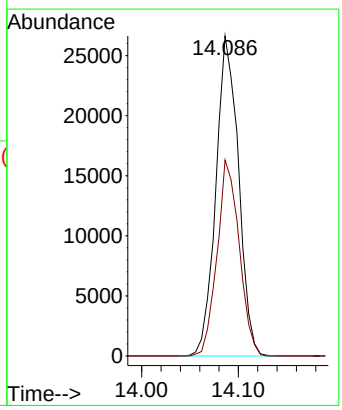


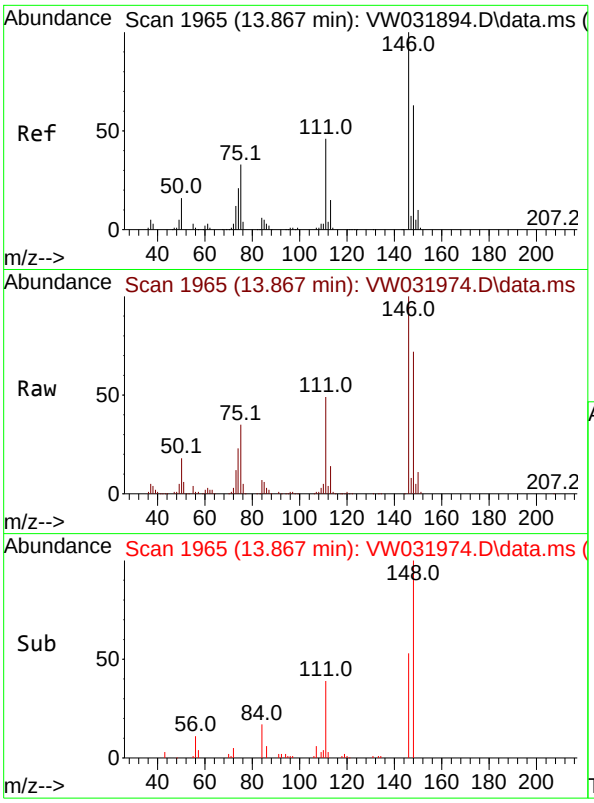


#90
Hexachloroethane
Concen: 18.116 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:117 Resp: 43163

Ion	Ratio	Lower	Upper
117	100		
201	59.8	28.4	85.2



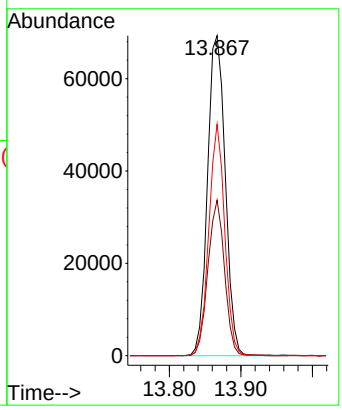


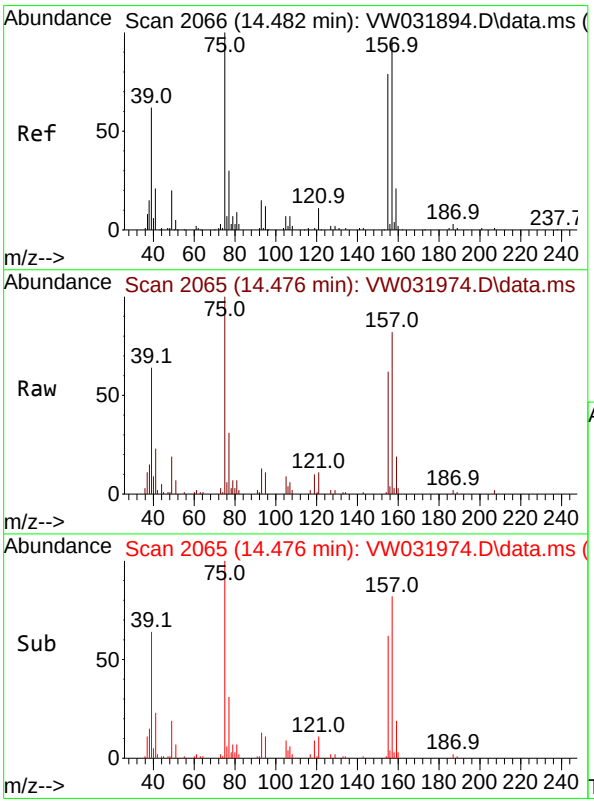
#91
1,2-Dichlorobenzene
Concen: 19.231 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:146 Resp: 119275

Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.6	71.0
148	65.0	32.4	97.2

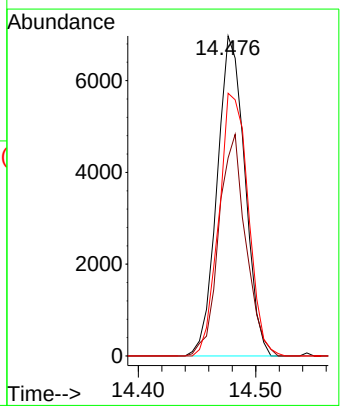


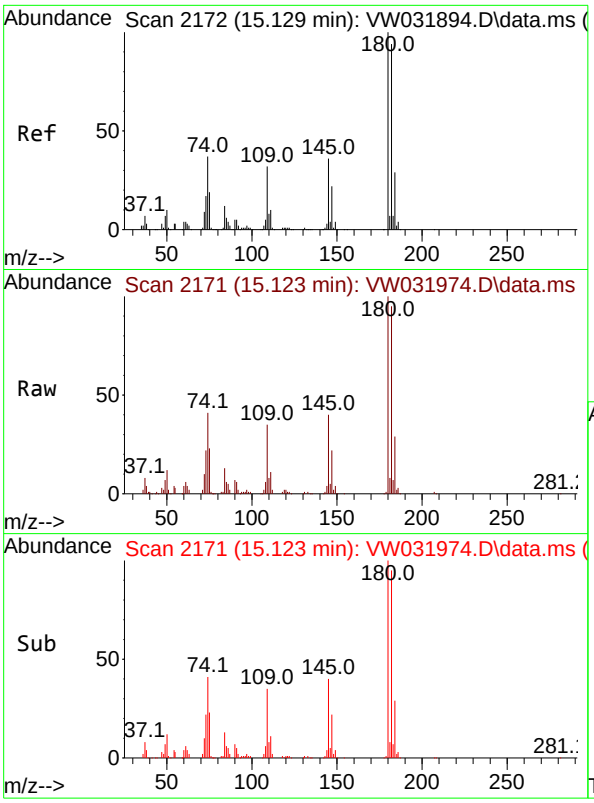


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.184 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion: 75 Resp: 11431

Ion	Ratio	Lower	Upper
75	100		
155	67.6	35.9	107.7
157	86.8	47.4	142.2



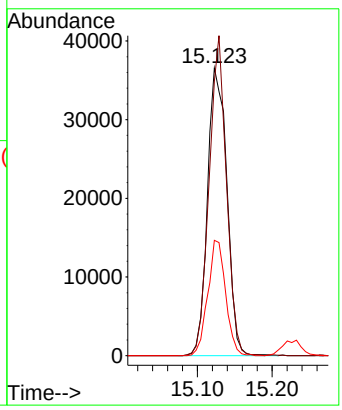


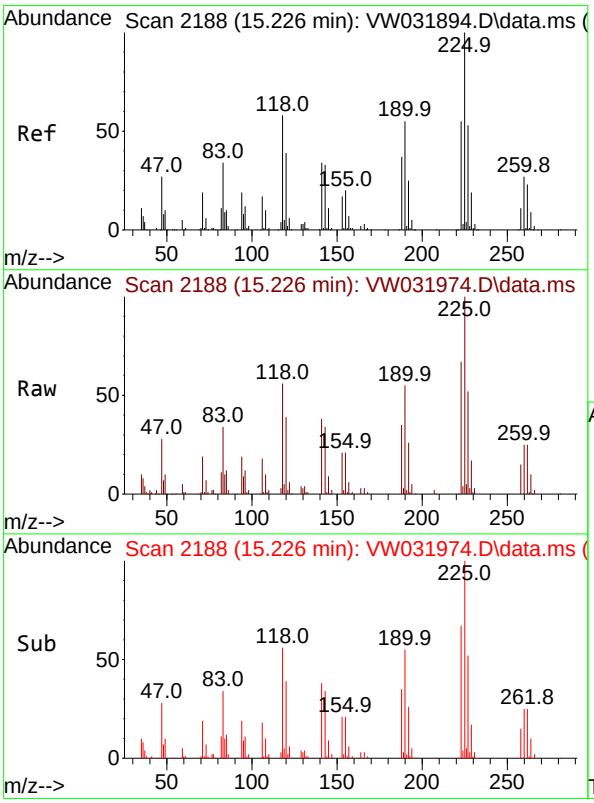
#93
1,2,4-Trichlorobenzene
Concen: 17.632 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:180 Resp: 65949

Ion	Ratio	Lower	Upper
180	100		
182	99.3	51.0	153.1
145	37.0	18.4	55.4

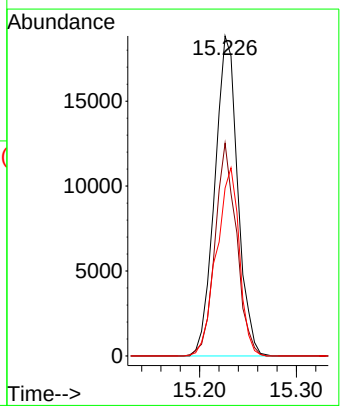


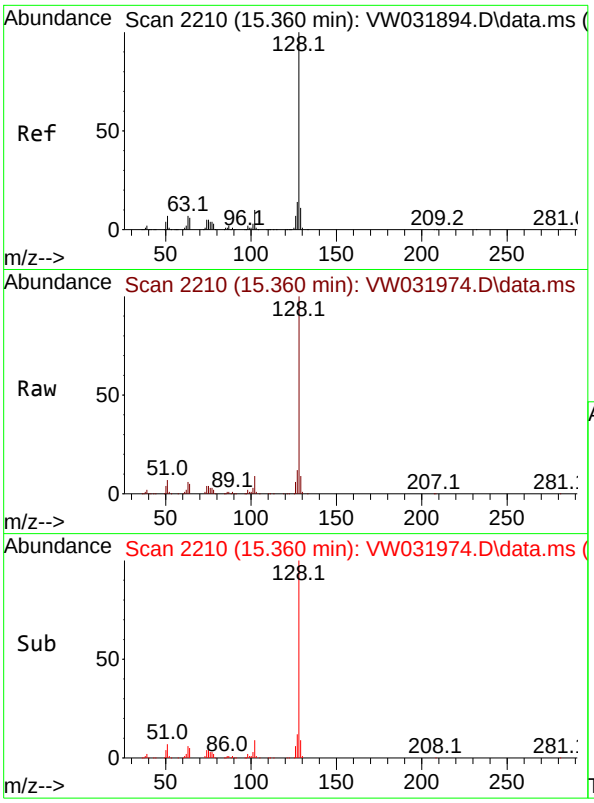


#94
Hexachlorobutadiene
Concen: 17.495 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:225 Resp: 31008

Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.9	92.7
227	58.7	30.0	90.1



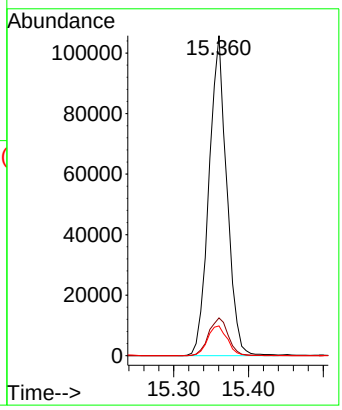


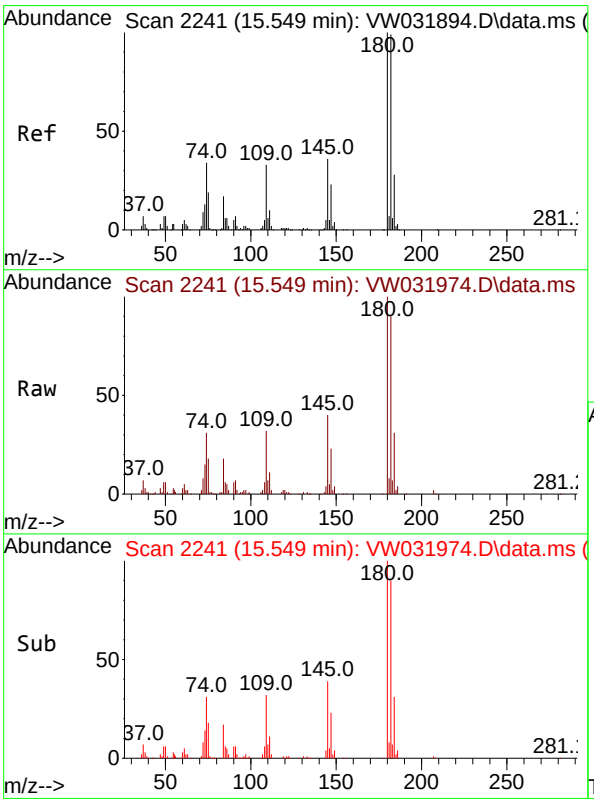
#95
Naphthalene
Concen: 19.055 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Tgt Ion:128 Resp: 175224

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.3	9.2	13.8

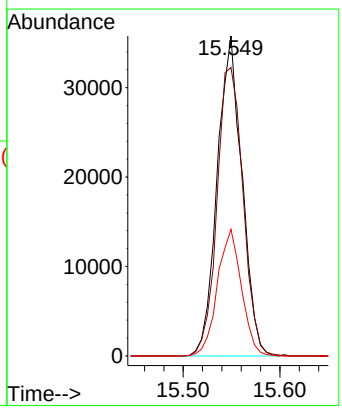




#96
1,2,3-Trichlorobenzene
Concen: 18.732 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031974.D
Acq: 01 Aug 2025 10:12

Tgt Ion:180 Resp: 63480

Ion	Ratio	Lower	Upper
180	100		
182	94.9	50.4	151.2
145	38.5	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	217498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	419257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	382211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157864	47.980	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.960%		
35) Dibromofluoromethane	7.904	113	135030	47.397	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.800%		
50) Toluene-d8	10.325	98	497217	46.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.617	95	194159	46.896	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.800%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	65863	40.744	ug/l	94
3) Chloromethane	2.259	50	105655	50.923	ug/l	95
4) Vinyl Chloride	2.405	62	116587	43.257	ug/l	99
5) Bromomethane	2.826	94	100506	50.641	ug/l	96
6) Chloroethane	2.972	64	91543	51.463	ug/l	98
7) Trichlorofluoromethane	3.308	101	121875	44.646	ug/l	95
8) Diethyl Ether	3.722	74	93030	51.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	127755	48.656	ug/l	97
10) Methyl Iodide	4.301	142	196088	49.948	ug/l	99
11) Tert butyl alcohol	5.228	59	52198	269.895	ug/l	99
12) 1,1-Dichloroethene	4.082	96	140015	48.279	ug/l	88
13) Acrolein	3.936	56	18028	59.470	ug/l	97
14) Allyl chloride	4.704	41	220972	48.945	ug/l	99
15) Acrylonitrile	5.405	53	225550	276.667	ug/l	98
16) Acetone	4.167	43	180159	230.752	ug/l	99
17) Carbon Disulfide	4.423	76	378273	50.293	ug/l	99
18) Methyl Acetate	4.716	43	127438	59.246	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	275241	54.928	ug/l	99
20) Methylene Chloride	4.954	84	165899	49.650	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	155357	50.489	ug/l	98
22) Diisopropyl ether	6.344	45	473070	52.366	ug/l	100
23) Vinyl Acetate	6.283	43	1577267	267.245	ug/l	99
24) 1,1-Dichloroethane	6.246	63	291446	51.816	ug/l	99
25) 2-Butanone	7.197	43	284854	266.658	ug/l	92
26) 2,2-Dichloropropane	7.191	77	150222	47.176	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	189076	52.267	ug/l	99
28) Bromochloromethane	7.532	49	114765	48.733	ug/l	94
29) Tetrahydrofuran	7.557	42	197132	281.470	ug/l	99
30) Chloroform	7.691	83	306842	52.030	ug/l	99
31) Cyclohexane	7.971	56	230354	45.650	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	220991	49.245	ug/l	99
36) 1,1-Dichloropropene	8.099	75	205027	46.862	ug/l	99
37) Ethyl Acetate	7.276	43	132933	53.262	ug/l	99
38) Carbon Tetrachloride	8.081	117	196620	46.827	ug/l	99
39) Methylcyclohexane	9.343	83	255342	46.376	ug/l	97
40) Benzene	8.337	78	652081	50.349	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	78554	52.578	ug/l		97
42) 1,2-Dichloroethane	8.416	62	207624	50.091	ug/l		99
43) Isopropyl Acetate	8.435	43	237483	52.561	ug/l		100
44) Trichloroethene	9.105	130	151714	49.283	ug/l		94
45) 1,2-Dichloropropane	9.374	63	156300	50.111	ug/l		99
46) Dibromomethane	9.465	93	102389	52.955	ug/l		97
47) Bromodichloromethane	9.654	83	237800	51.290	ug/l		100
48) Methyl methacrylate	9.441	41	116300	54.104	ug/l		98
49) 1,4-Dioxane	9.465	88	24093	1248.792	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	683642	276.474	ug/l		99
52) Toluene	10.392	92	418627	50.282	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	227379	51.126	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	259764	51.145	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	139062	54.145	ug/l		95
56) Ethyl methacrylate	10.648	69	198472	54.717	ug/l		99
57) 1,3-Dichloropropane	10.934	76	236462	52.261	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	454012	243.681	ug/l		99
59) 2-Hexanone	10.971	43	471245	274.174	ug/l		99
60) Dibromochloromethane	11.129	129	157200	52.497	ug/l		98
61) 1,2-Dibromoethane	11.239	107	134804	53.118	ug/l		99
64) Tetrachloroethene	10.867	164	118669	47.091	ug/l		86
65) Chlorobenzene	11.660	112	455717	48.717	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.727	131	144835	49.944	ug/l		97
67) Ethyl Benzene	11.727	91	797474	48.521	ug/l		98
68) m/p-Xylenes	11.837	106	598674	96.758	ug/l		97
69) o-Xylene	12.166	106	288170	49.214	ug/l		97
70) Styrene	12.178	104	495553	49.707	ug/l		99
71) Bromoform	12.349	173	82082	51.754	ug/l	#	99
73) Isopropylbenzene	12.464	105	722149	46.792	ug/l		98
74) N-amyl acetate	12.269	43	217122	52.039	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	169961	51.882	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	209104	85.148	ug/l	#	100
77) Bromobenzene	12.751	156	171625	51.396	ug/l		93
78) n-propylbenzene	12.800	91	876165	46.224	ug/l		98
79) 2-Chlorotoluene	12.891	91	535891	47.352	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	622333	48.080	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	51800	48.698	ug/l		100
82) 4-Chlorotoluene	12.983	91	566162	47.686	ug/l		100
83) tert-Butylbenzene	13.202	119	513940	46.614	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	633478	48.353	ug/l		100
85) sec-Butylbenzene	13.379	105	754033	45.541	ug/l		98
86) p-Isopropyltoluene	13.495	119	654380	47.816	ug/l		97
87) 1,3-Dichlorobenzene	13.495	146	337742	48.589	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	328506	48.244	ug/l		98
89) n-Butylbenzene	13.818	91	614609	45.780	ug/l		98
90) Hexachloroethane	14.086	117	108440	45.823	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	301718	48.979	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29937	50.583	ug/l		98
93) 1,2,4-Trichlorobenzene	15.123	180	177757	47.847	ug/l		97
94) Hexachlorobutadiene	15.226	225	81268	46.164	ug/l		96
95) Naphthalene	15.360	128	477448	52.274	ug/l		100
96) 1,2,3-Trichlorobenzene	15.543	180	165137	49.060	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

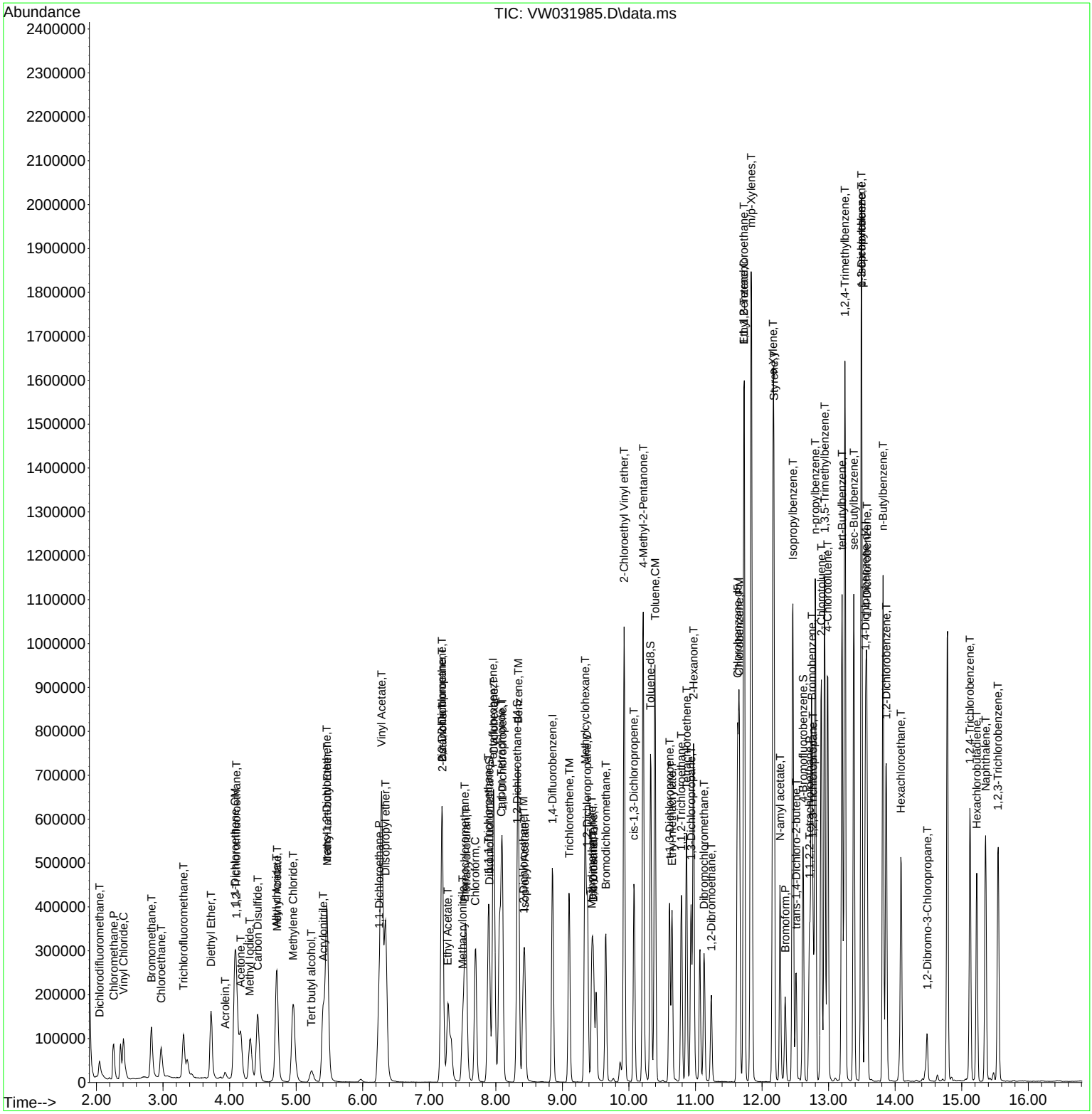
(#) = qualifier out of range (m) = manual integration (+) = signals summed

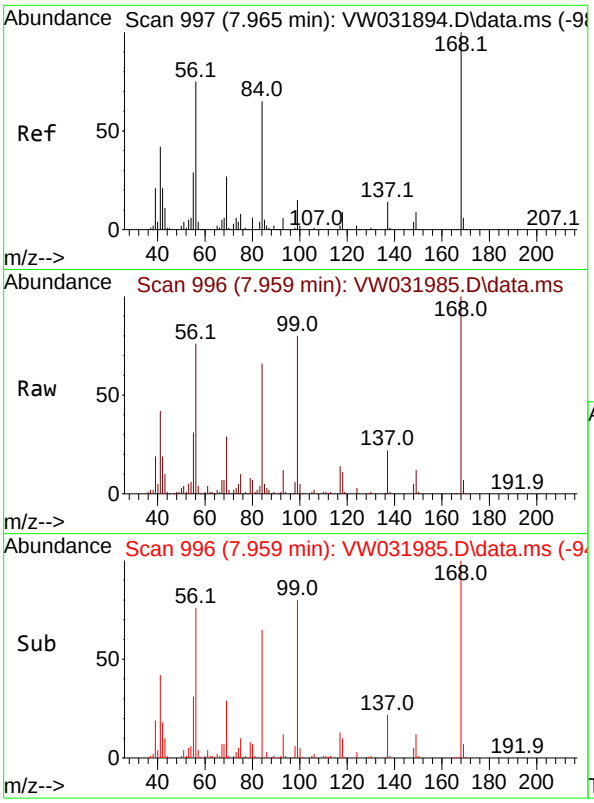
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031985.D
Acq On : 01 Aug 2025 14:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 01 23:14:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



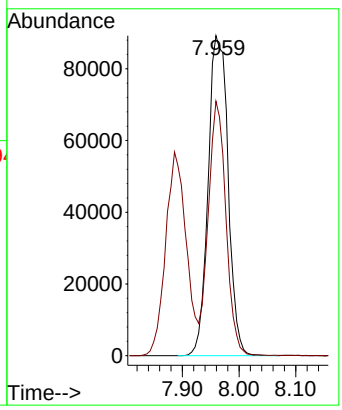


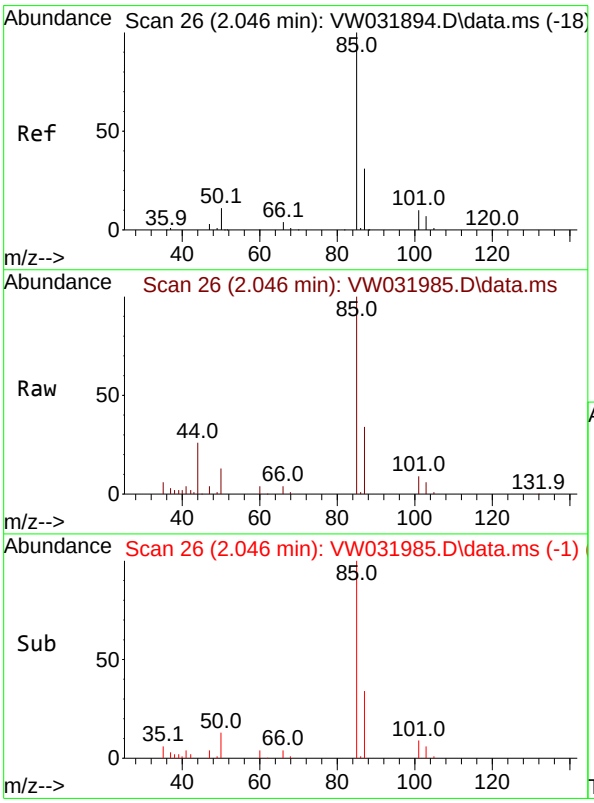
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 217498

Ion	Ratio	Lower	Upper
168	100		
99	79.4	48.2	72.2#

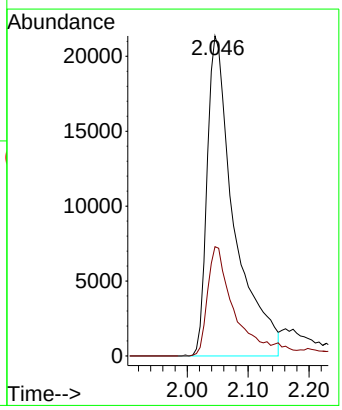


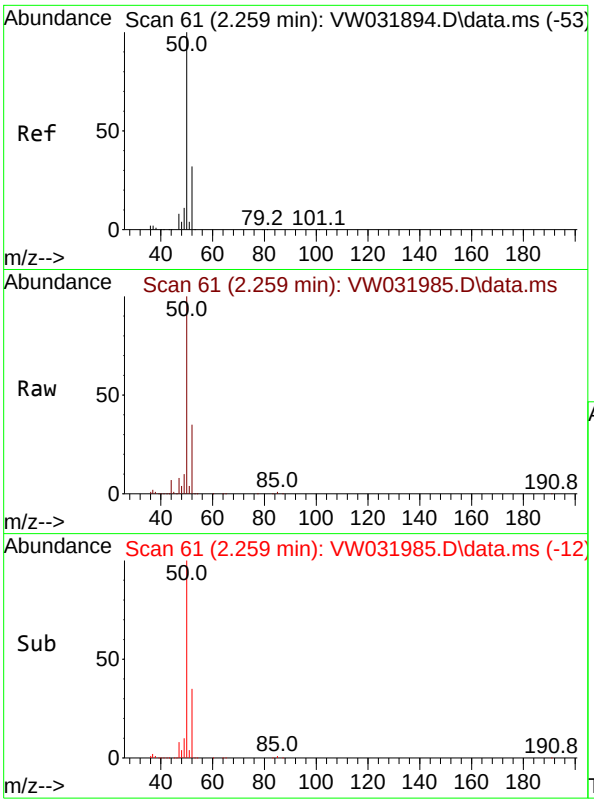


#2
Dichlorodifluoromethane
Concen: 40.744 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 85 Resp: 65863

Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.5	46.5



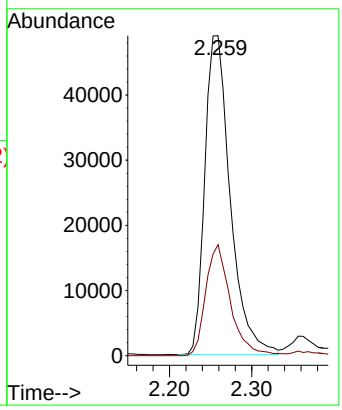


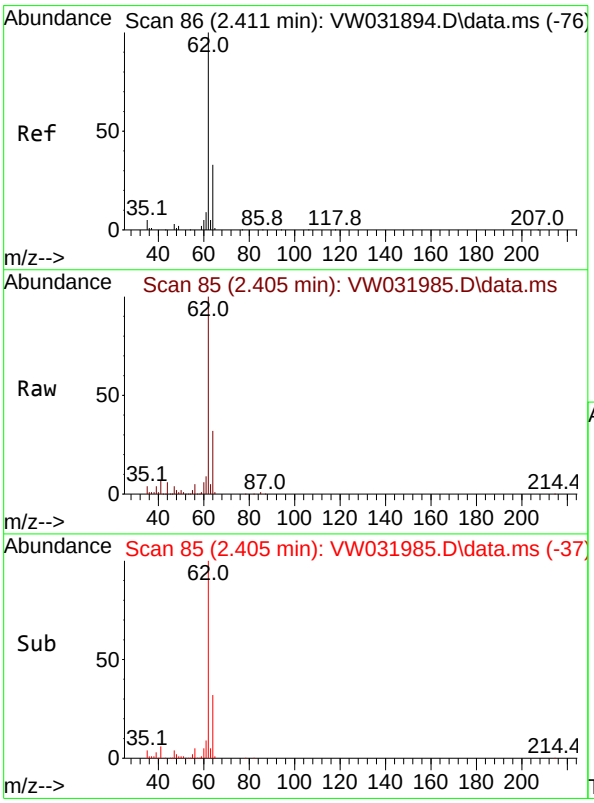
#3
Chloromethane
Concen: 50.923 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 105655

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.7	38.5

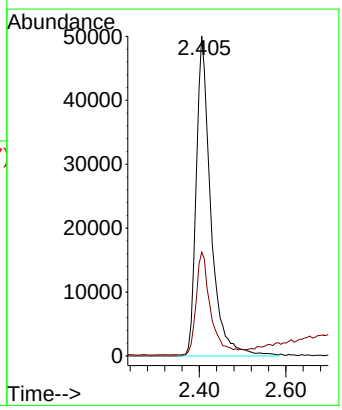


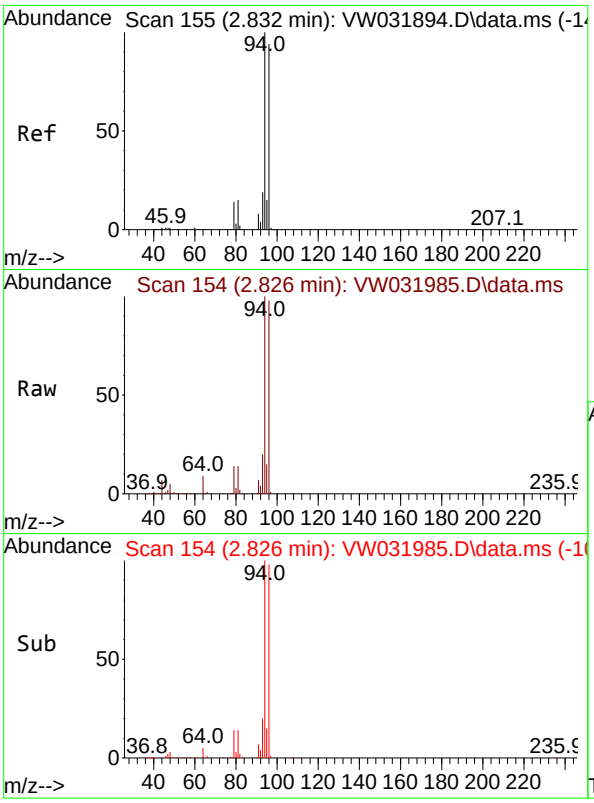


#4
Vinyl Chloride
Concen: 43.257 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 62 Resp: 116587

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.2	39.2



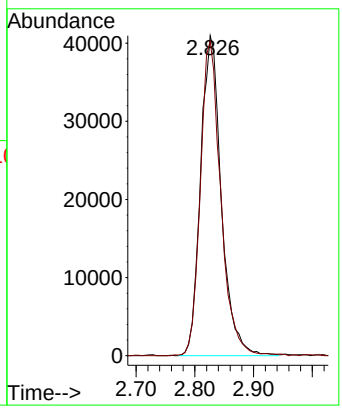


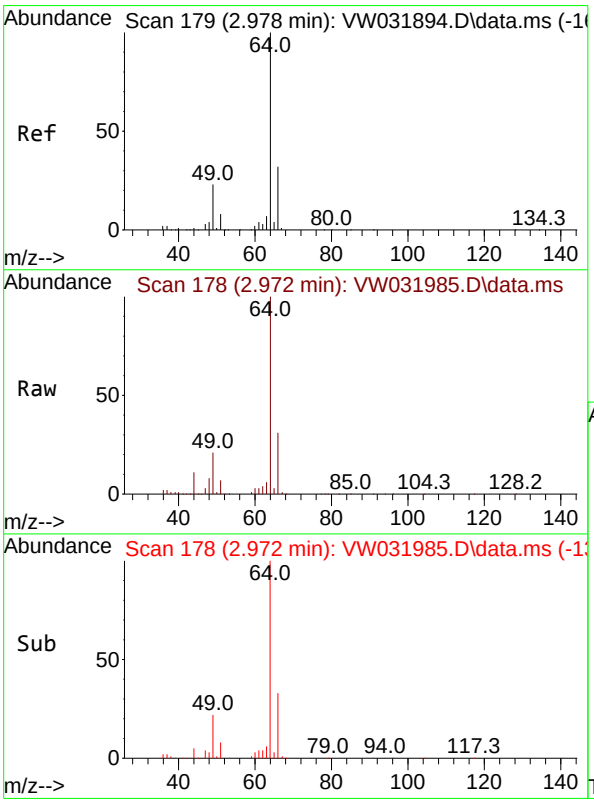
#5
Bromomethane
Concen: 50.641 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 100506

Ion	Ratio	Lower	Upper
94	100		
96	98.1	75.0	112.6

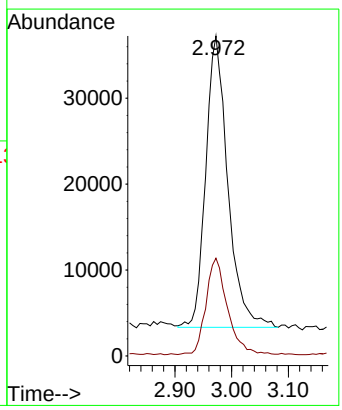


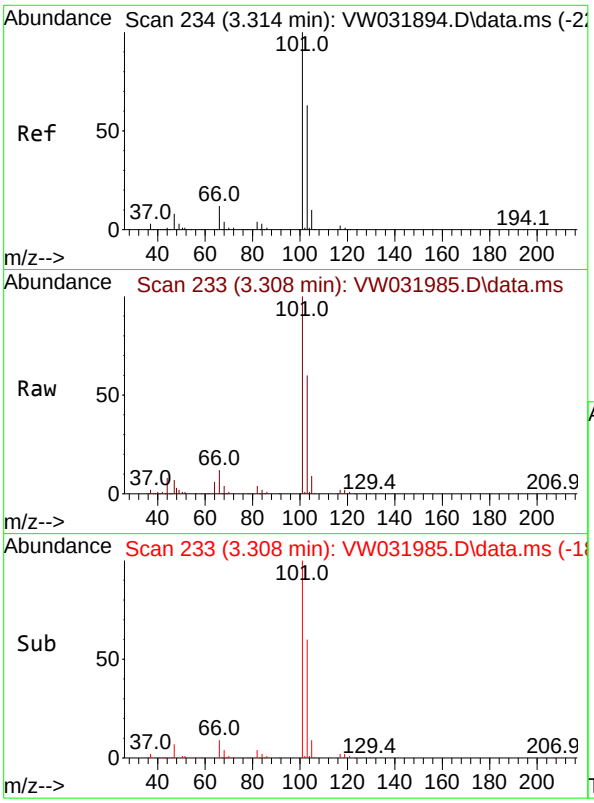


#6
Chloroethane
Concen: 51.463 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 64 Resp: 91543

Ion	Ratio	Lower	Upper
64	100		
66	33.1	25.6	38.4



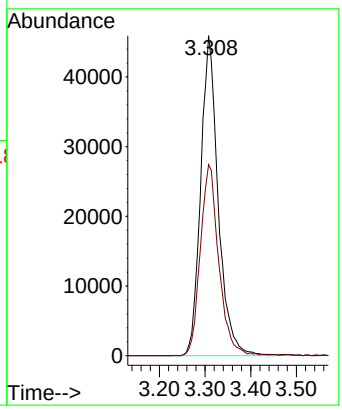


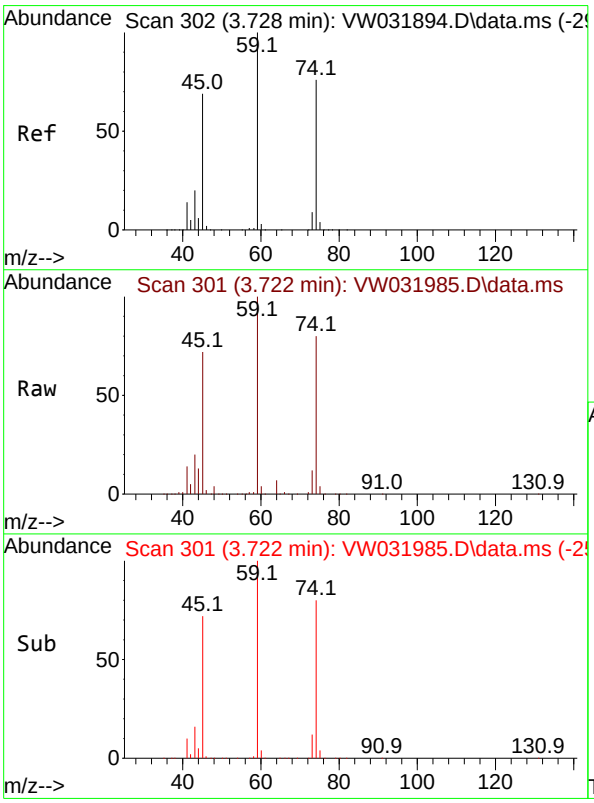
#7
Trichlorofluoromethane
Concen: 44.646 ug/l
RT: 3.308 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 121875

Ion	Ratio	Lower	Upper
101	100		
103	59.7	50.7	76.1

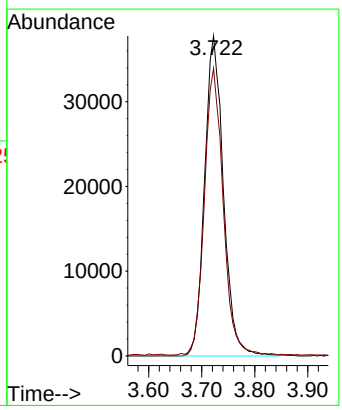


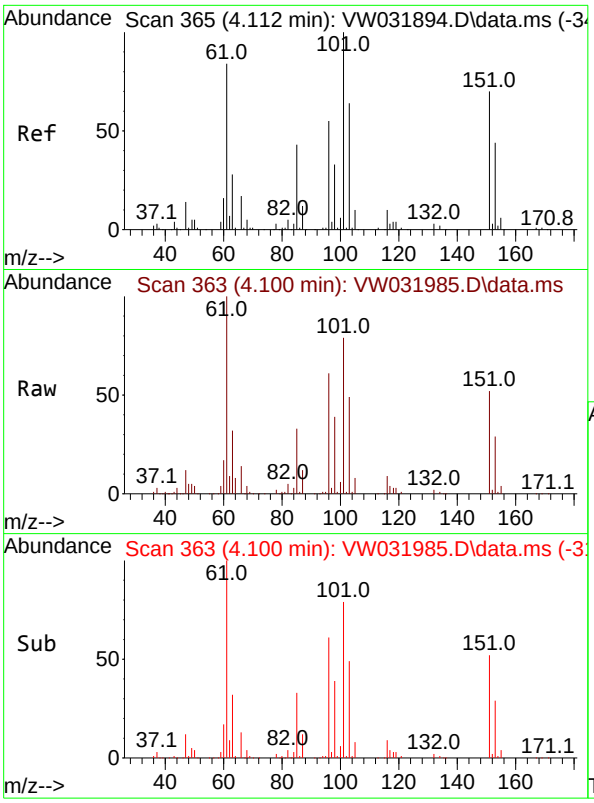


#8
Diethyl Ether
Concen: 51.017 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 74 Resp: 93030

Ion	Ratio	Lower	Upper
74	100		
45	89.8	45.5	136.5



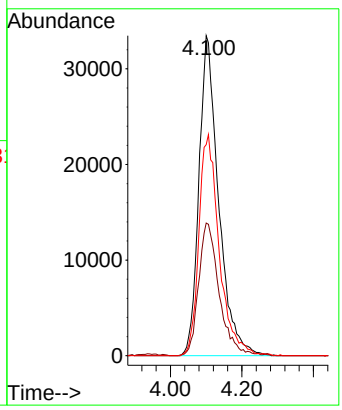


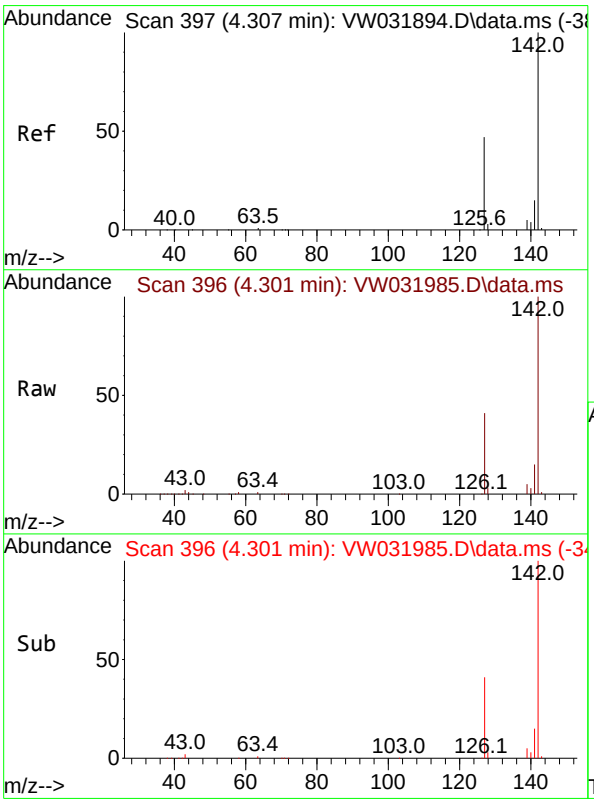
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.656 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 127755

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.5	53.3
151	71.4	54.6	81.8

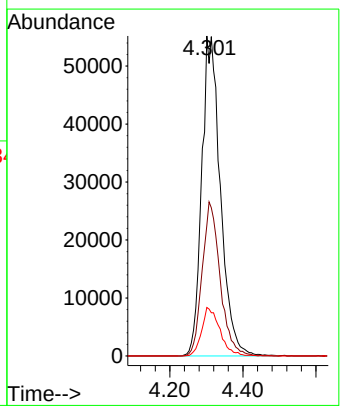


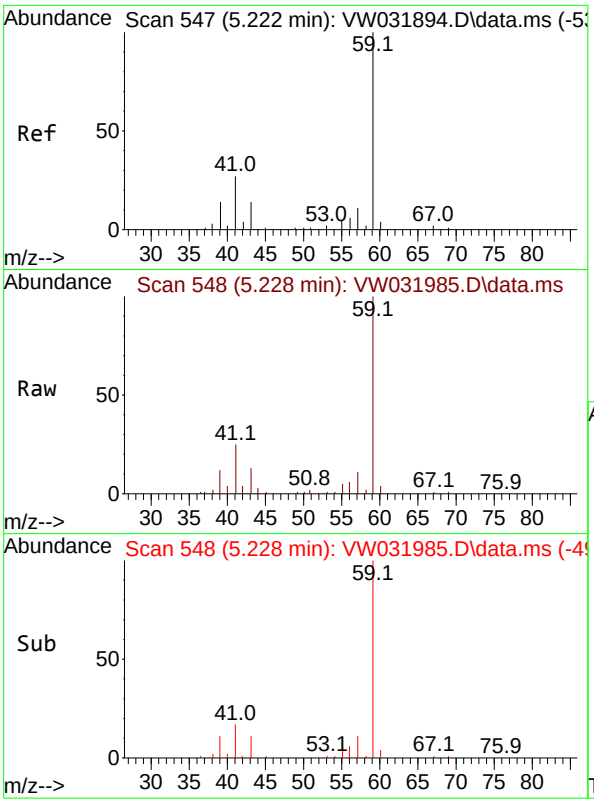


#10
Methyl Iodide
Concen: 49.948 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:142 Resp: 196088

Ion	Ratio	Lower	Upper
142	100		
127	46.1	37.4	56.2
141	14.8	11.9	17.9



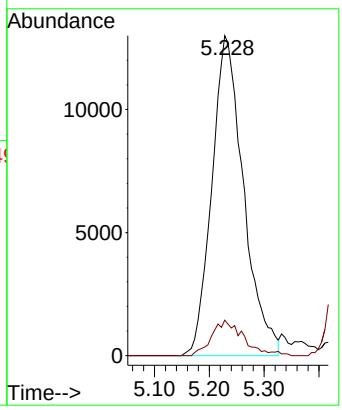


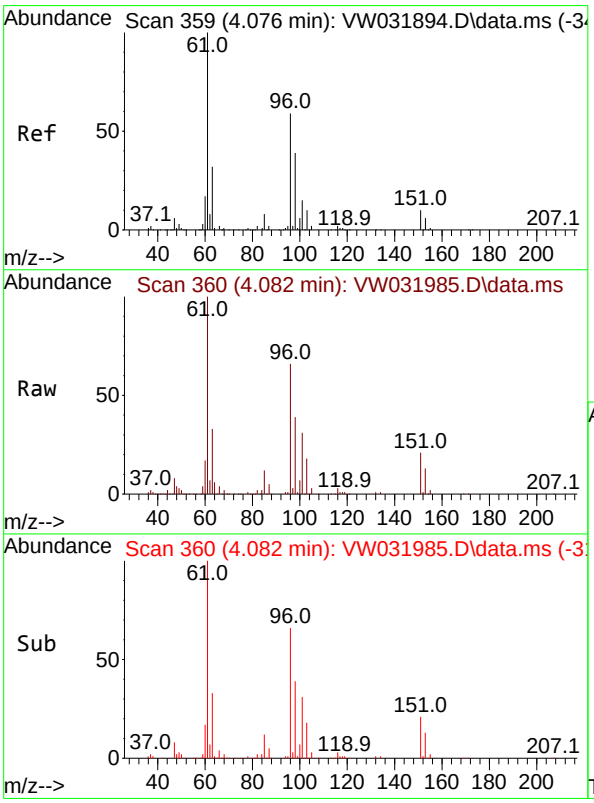
#11
Tert butyl alcohol
Concen: 269.895 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 52198

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

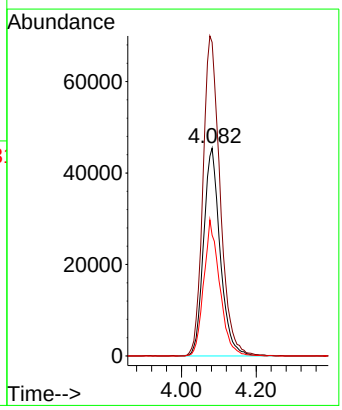


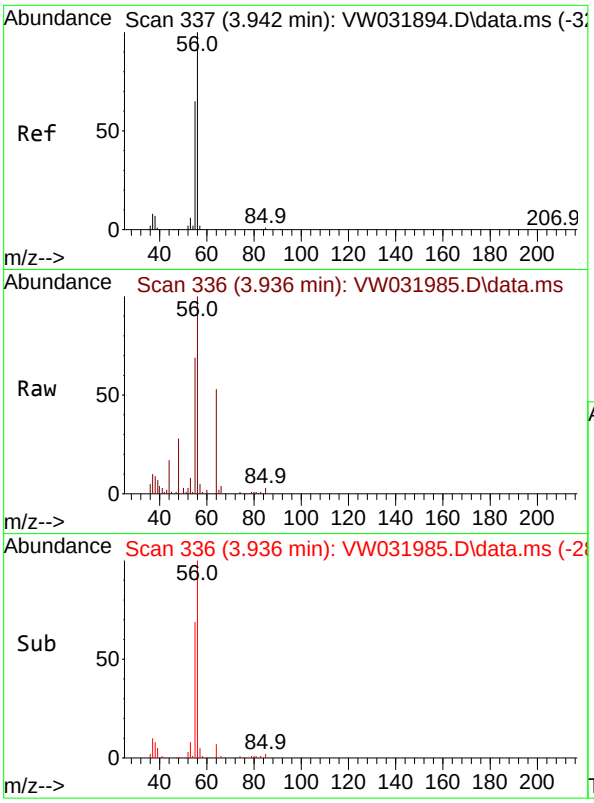


#12
1,1-Dichloroethene
Concen: 48.279 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 96 Resp: 140015

Ion	Ratio	Lower	Upper
96	100		
61	150.9	135.0	202.6
98	58.1	52.3	78.5



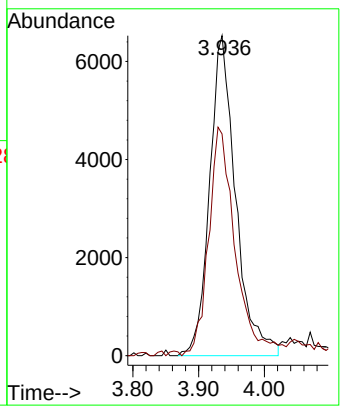


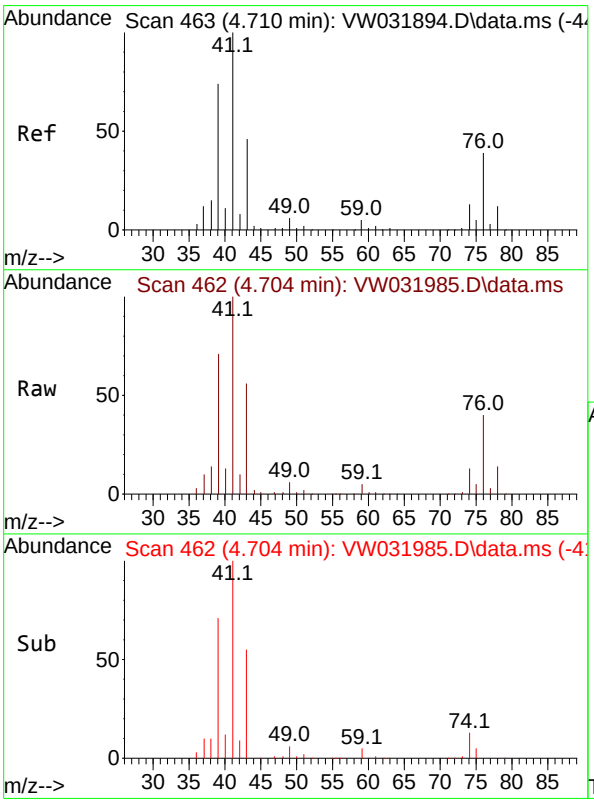
#13
Acrolein
Concen: 59.470 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 18028

Ion	Ratio	Lower	Upper
56	100		
55	73.1	56.7	85.1

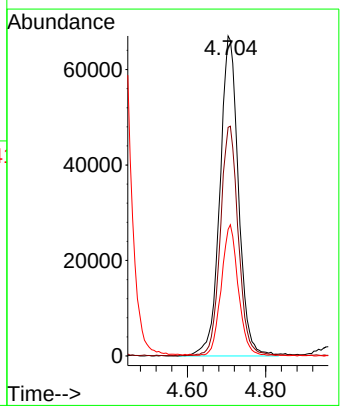


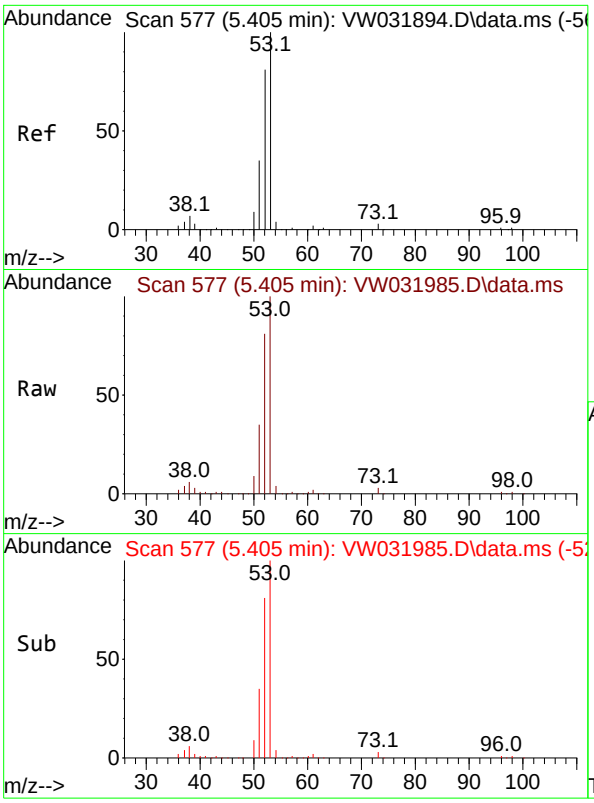


#14
Allyl chloride
Concen: 48.945 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 41 Resp: 220972

Ion	Ratio	Lower	Upper
41	100		
39	69.5	56.6	85.0
76	37.1	30.1	45.1



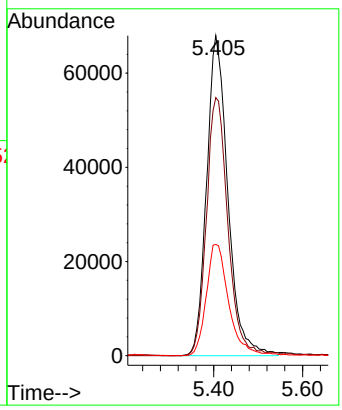


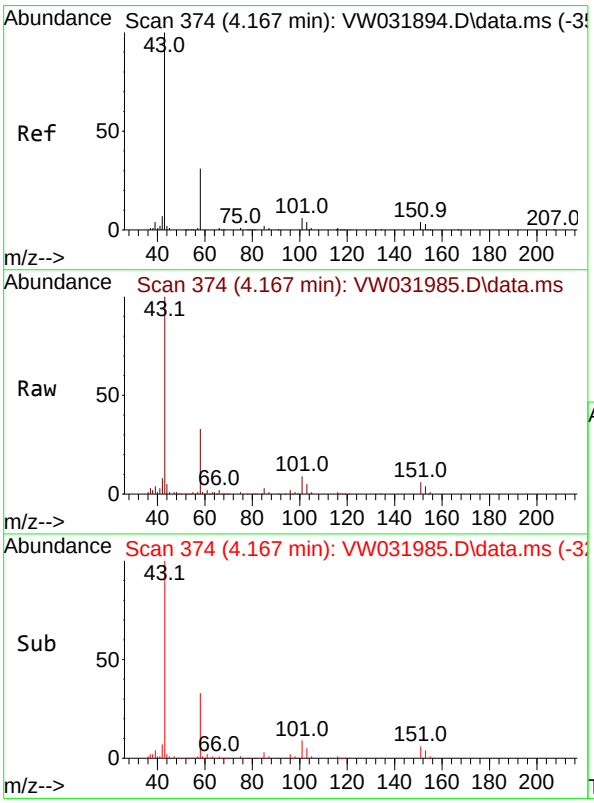
#15
Acrylonitrile
Concen: 276.667 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 225550

Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.0	100.4
51	37.1	29.9	44.9

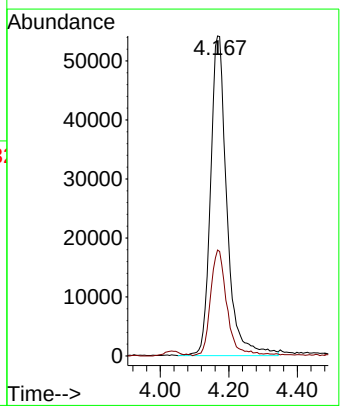


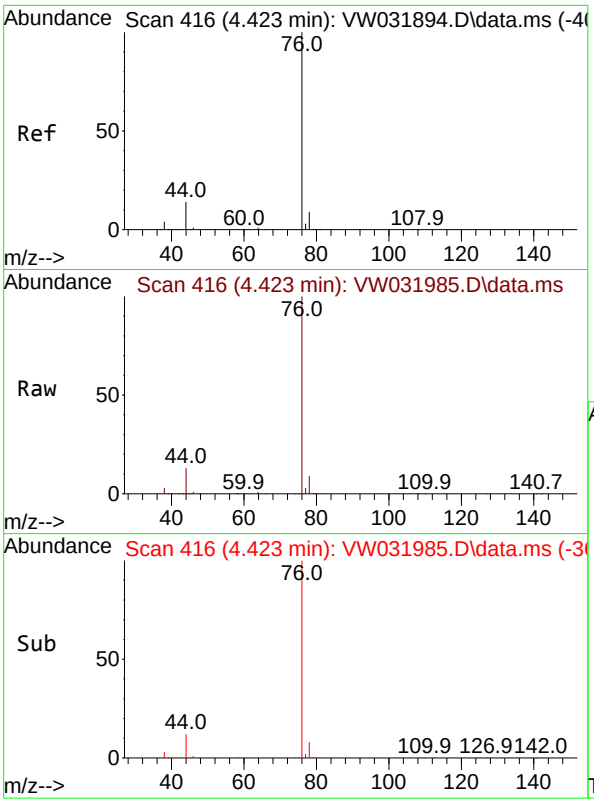


#16
Acetone
Concen: 230.752 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 180159

Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.5	38.3



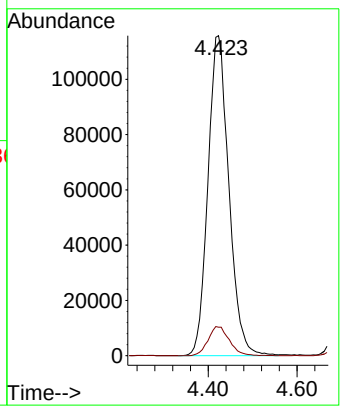


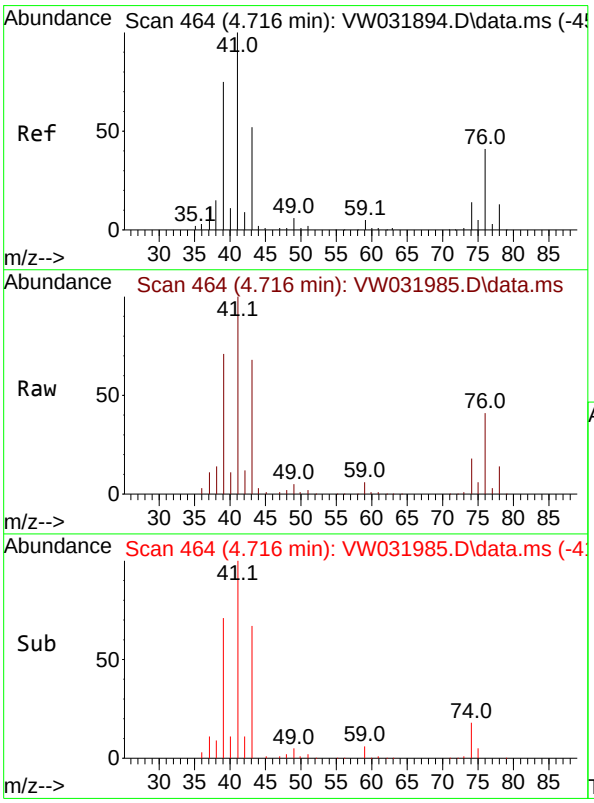
#17
Carbon Disulfide
Concen: 50.293 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 378273

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

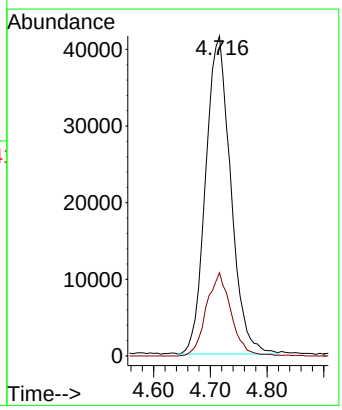


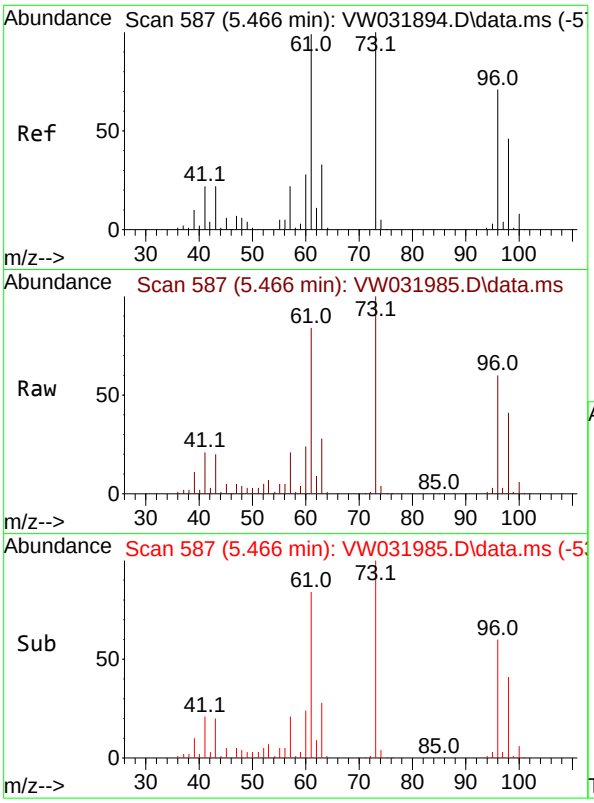


#18
Methyl Acetate
Concen: 59.246 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 127438

Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.6	31.0



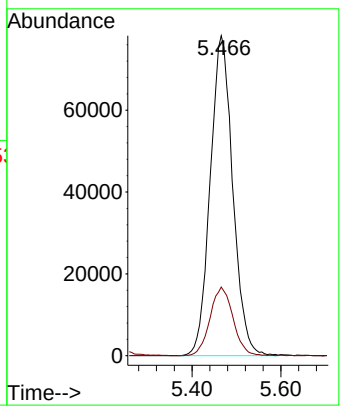


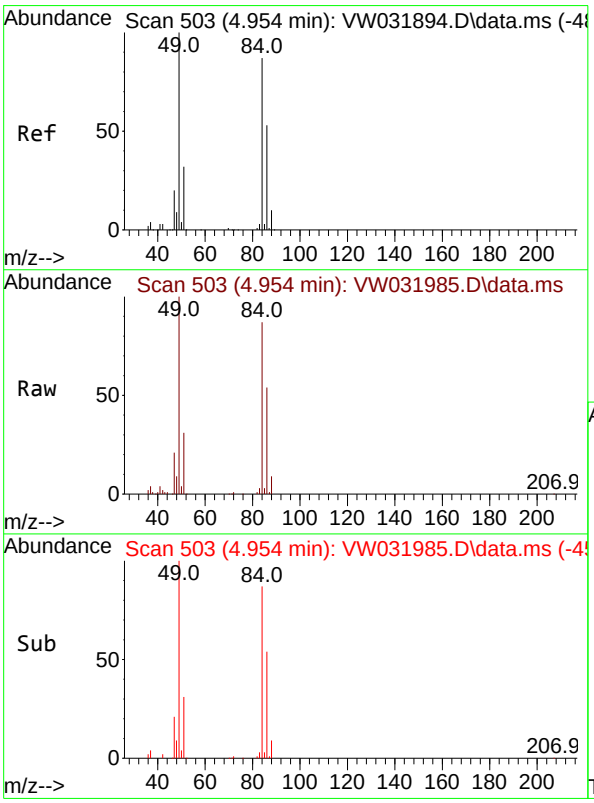
#19
Methyl tert-butyl Ether
Concen: 54.928 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 275241

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3

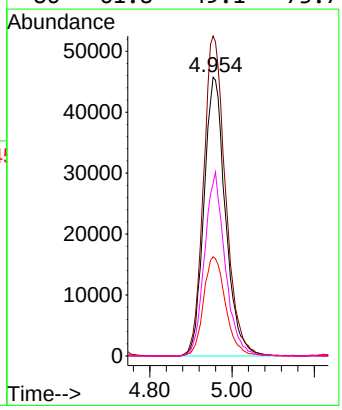


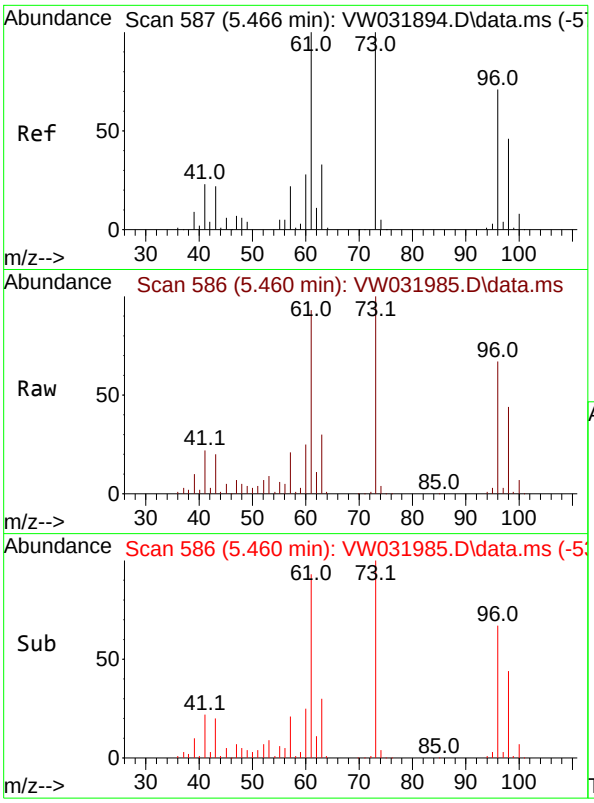


#20
Methylene Chloride
Concen: 49.650 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 84 Resp: 165899

Ion	Ratio	Lower	Upper
84	100		
49	114.8	91.9	137.9
51	35.6	29.0	43.6
86	61.8	49.1	73.7



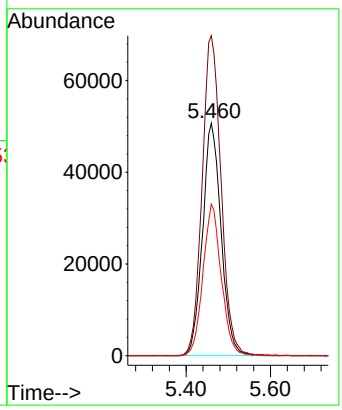


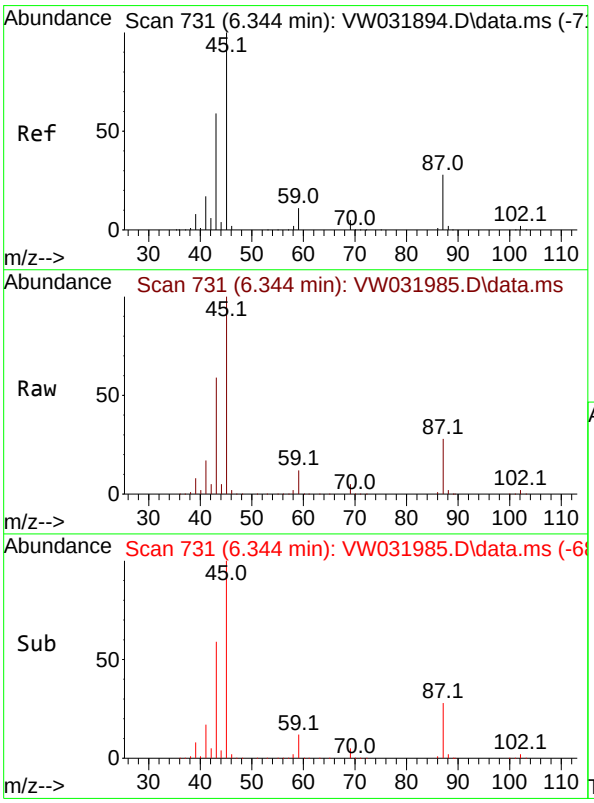
#21
trans-1,2-Dichloroethene
Concen: 50.489 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 155357

Ion	Ratio	Lower	Upper
96	100		
61	137.6	112.8	169.2
98	65.1	51.9	77.9

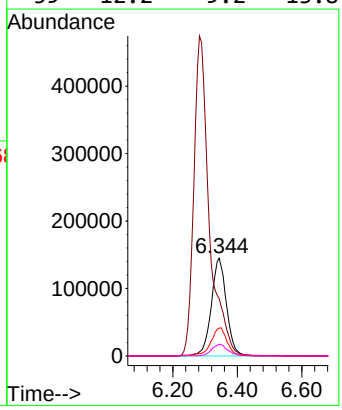


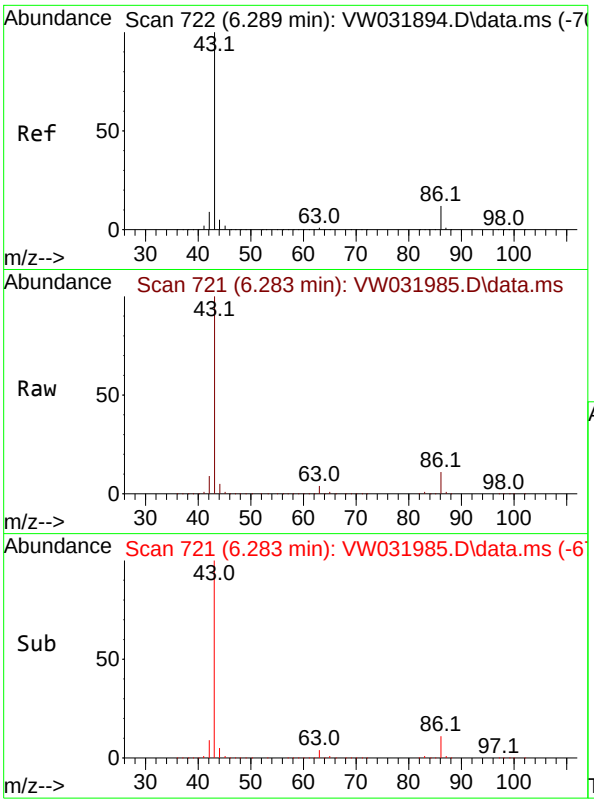


#22
Diisopropyl ether
Concen: 52.366 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 45 Resp: 473070

Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.0	70.6
87	28.5	22.8	34.2
59	12.2	9.2	13.8



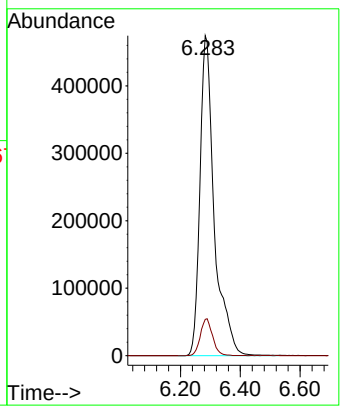


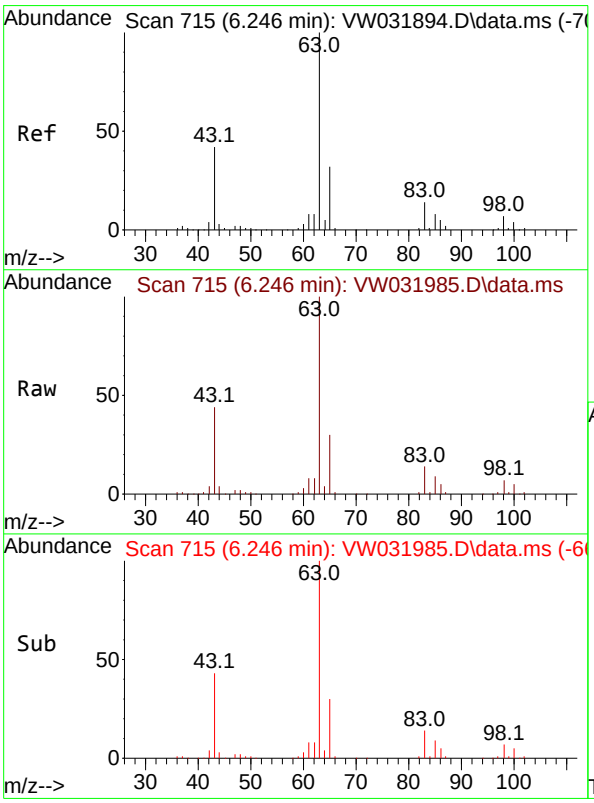
#23
Vinyl Acetate
Concen: 267.245 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1577267

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2

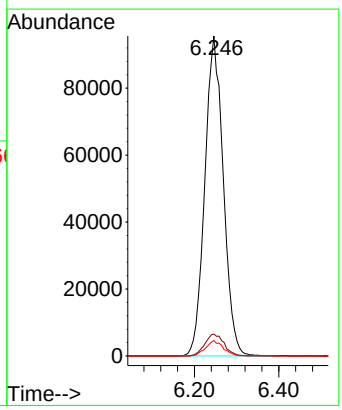


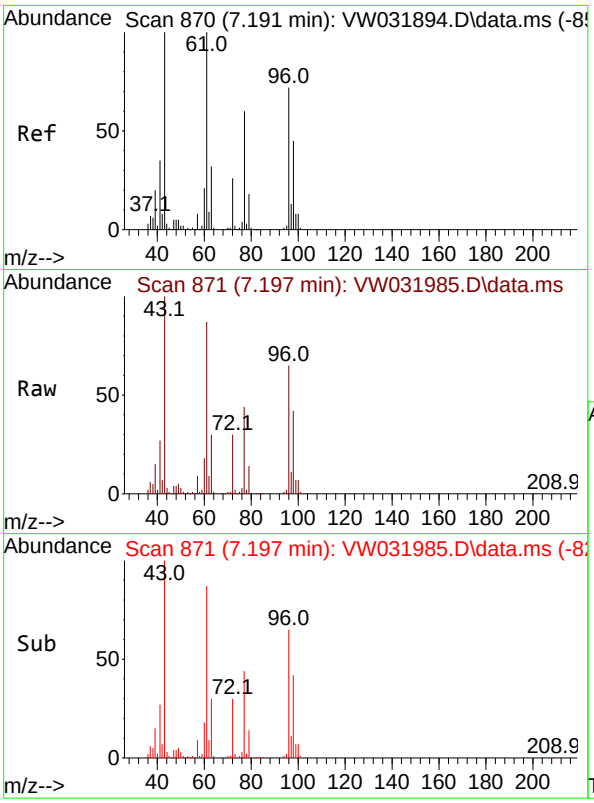


#24
1,1-Dichloroethane
Concen: 51.816 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 63 Resp: 291446

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.9
100	4.8	2.2	6.6



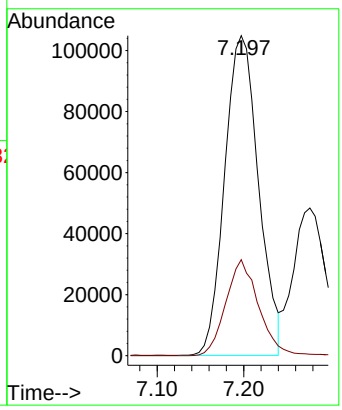


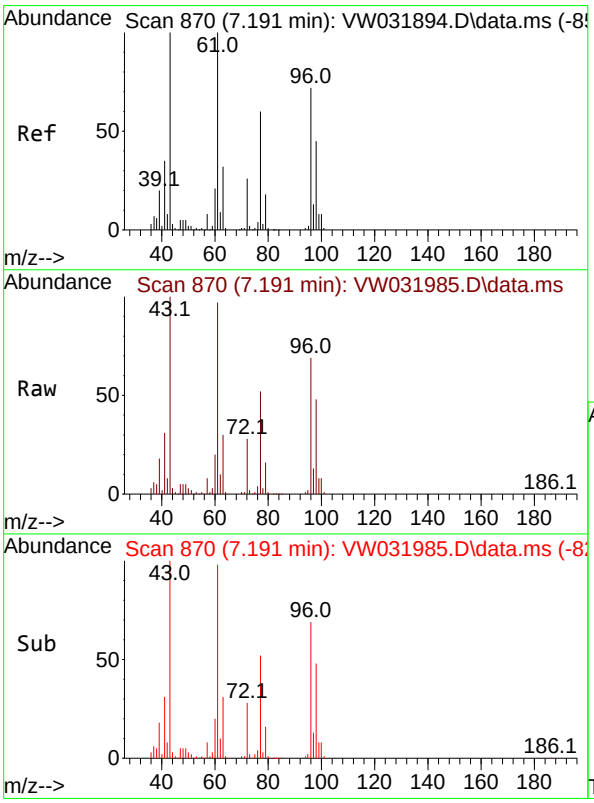
#25
2-Butanone
Concen: 266.658 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 284854

Ion	Ratio	Lower	Upper
43	100		
72	30.0	20.8	31.2

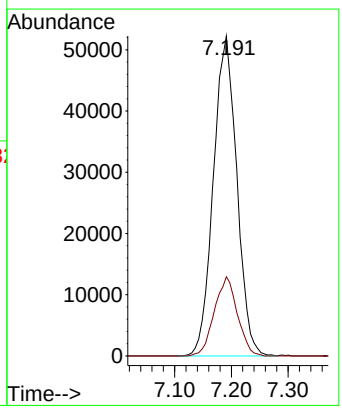


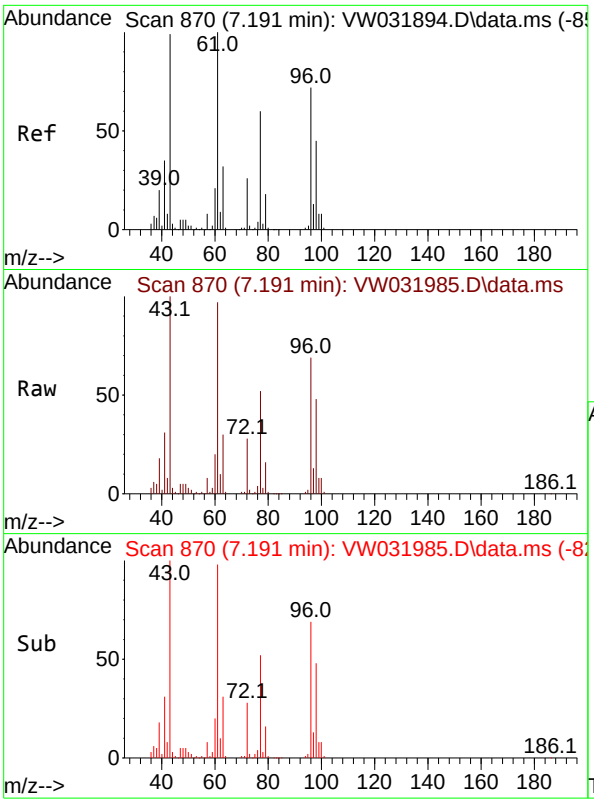


#26
2,2-Dichloropropane
Concen: 47.176 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 77 Resp: 150222

Ion	Ratio	Lower	Upper
77	100		
97	24.2	11.4	34.1



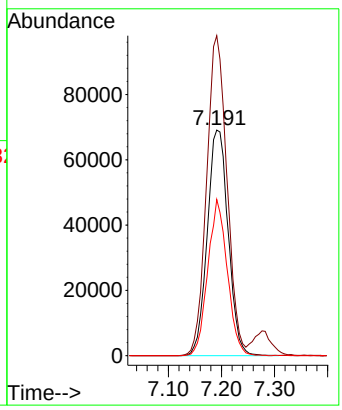


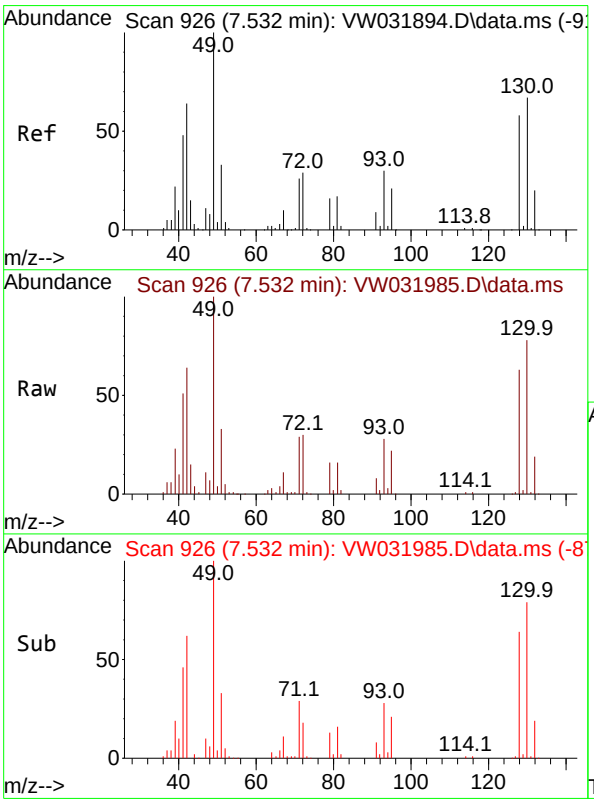
#27
cis-1,2-Dichloroethene
Concen: 52.267 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 189076

Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	280.2
98	64.6	0.0	126.8

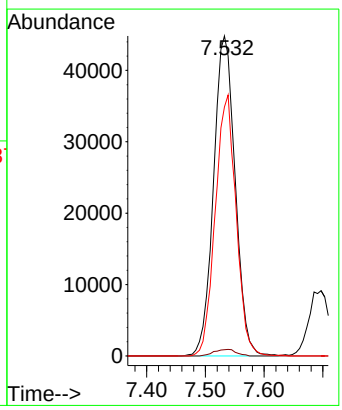


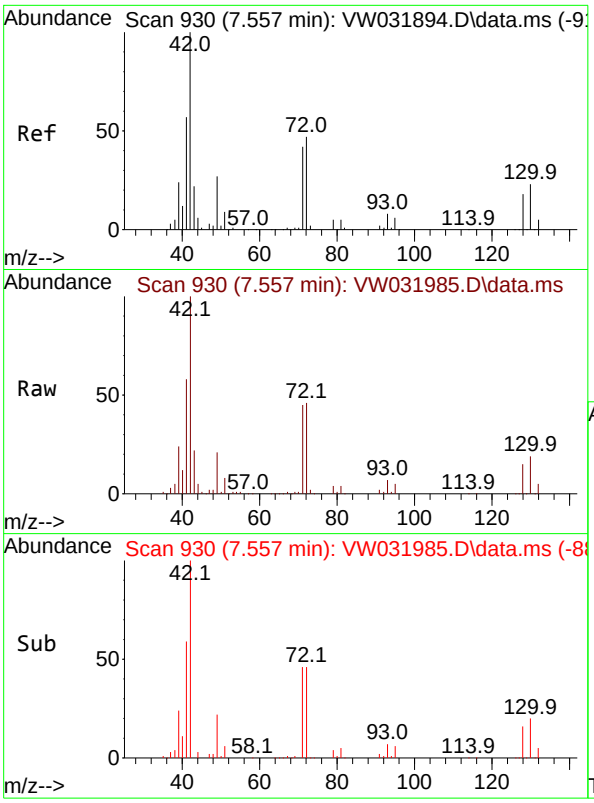


#28
Bromochloromethane
Concen: 48.733 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 49 Resp: 114765

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	78.5	59.0	88.4



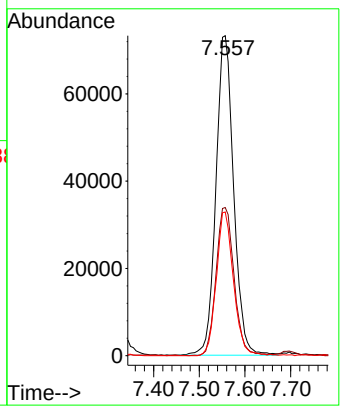


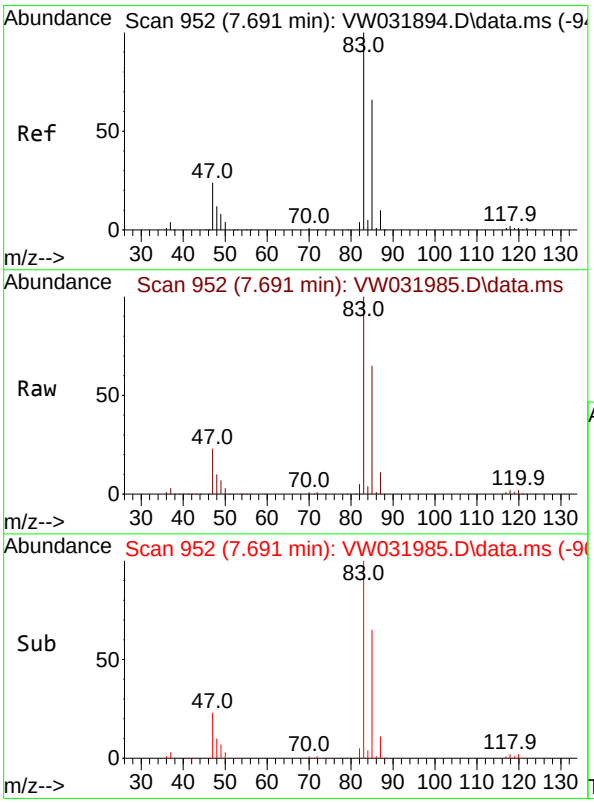
#29
Tetrahydrofuran
Concen: 281.470 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 197132

Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.0	55.6
71	43.7	34.5	51.7

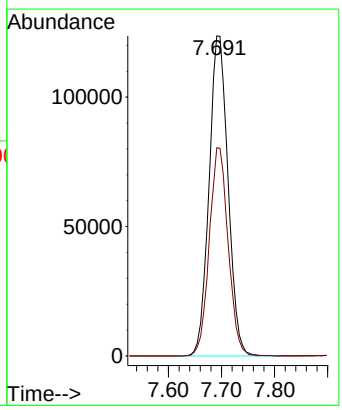


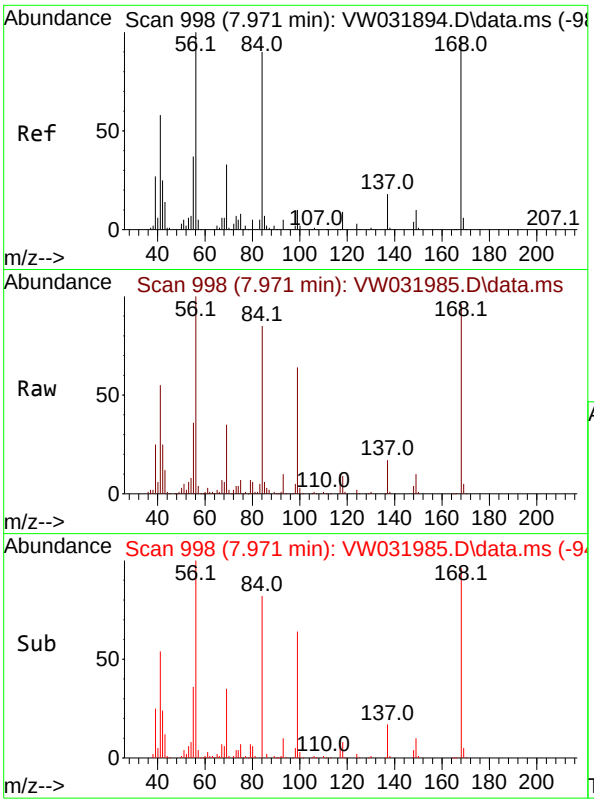


#30
Chloroform
Concen: 52.030 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 83 Resp: 306842

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8



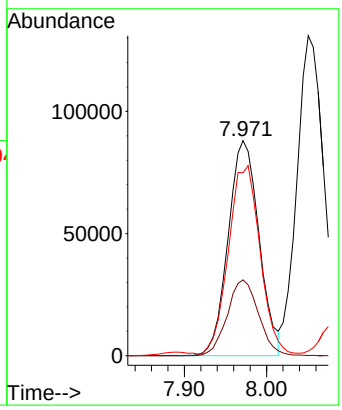


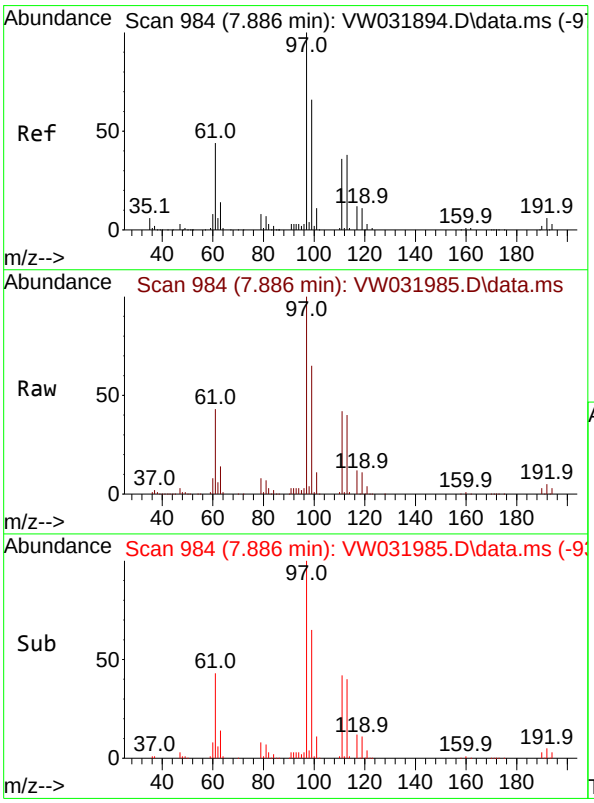
#31
Cyclohexane
Concen: 45.650 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 230354

Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.7	40.1
84	83.4	71.8	107.6

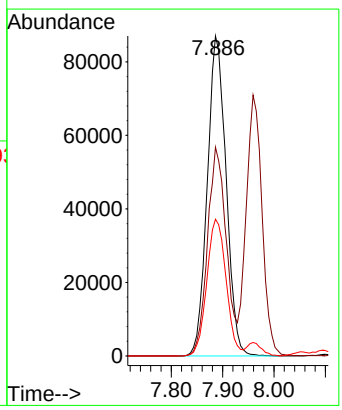


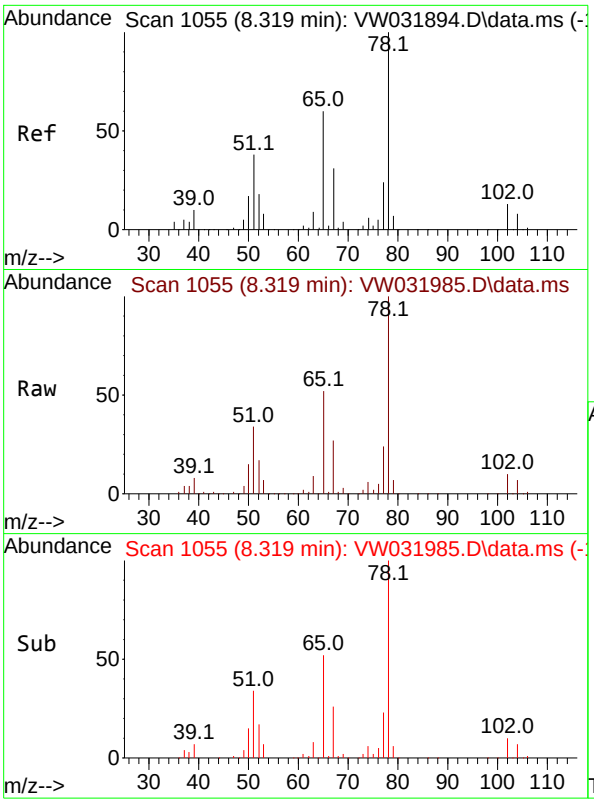


#32
1,1,1-Trichloroethane
Concen: 49.245 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 97 Resp: 220991

Ion	Ratio	Lower	Upper
97	100		
99	65.4	53.0	79.4
61	44.0	35.4	53.0



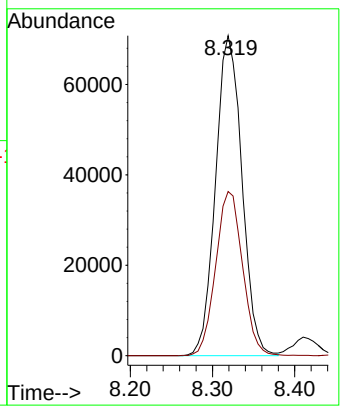


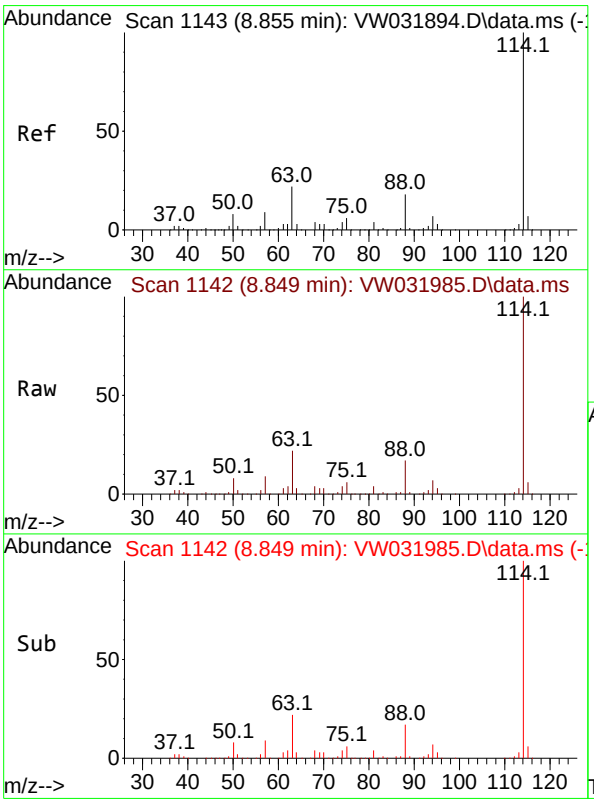
#33
1,2-Dichloroethane-d4
Concen: 47.980 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 157864

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	101.4

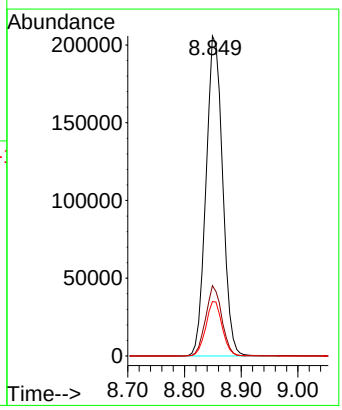


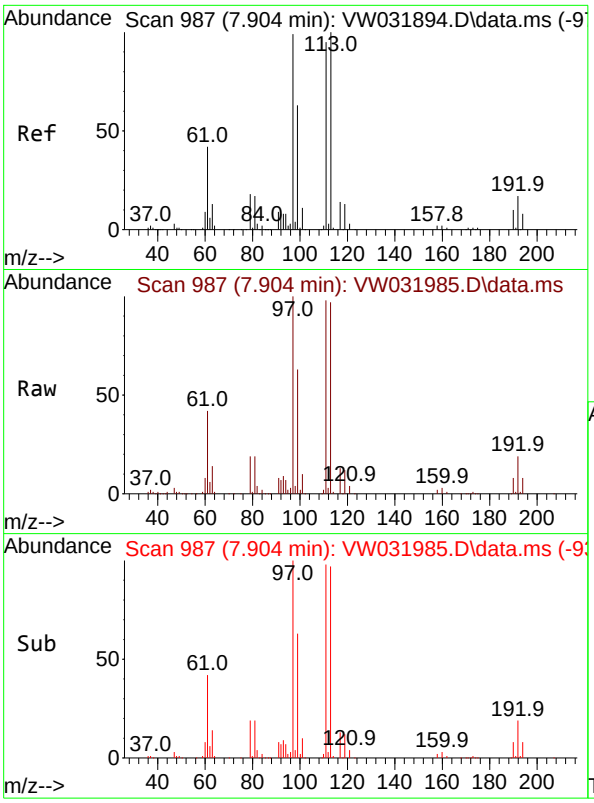


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:114 Resp: 419257

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.2
88	17.0	0.0	35.6



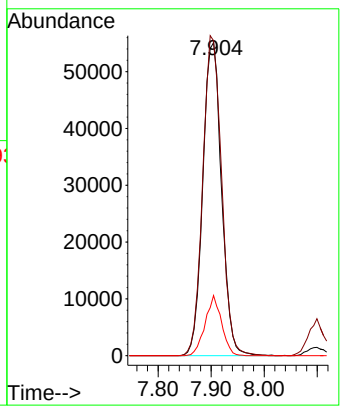


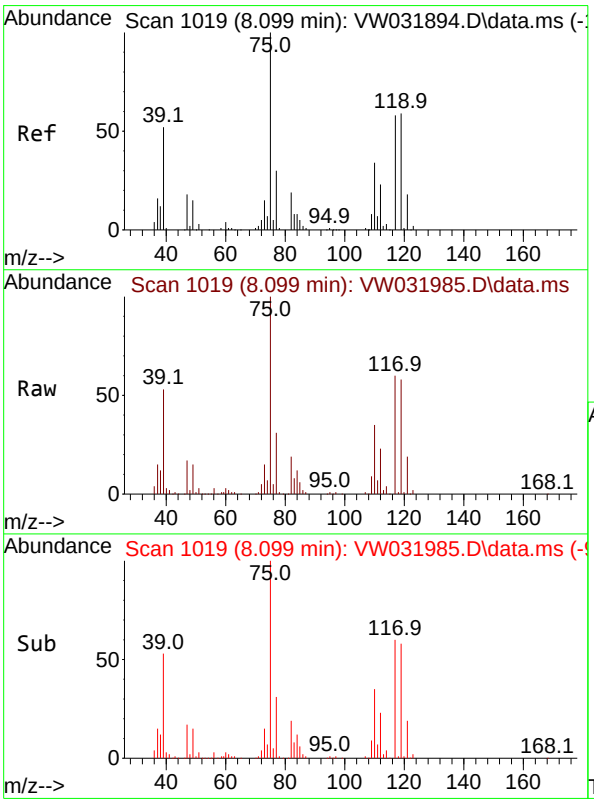
#35
Dibromofluoromethane
Concen: 47.397 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 135030

Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.9	119.9
192	16.9	12.6	19.0

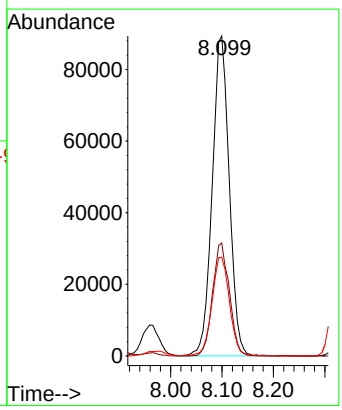


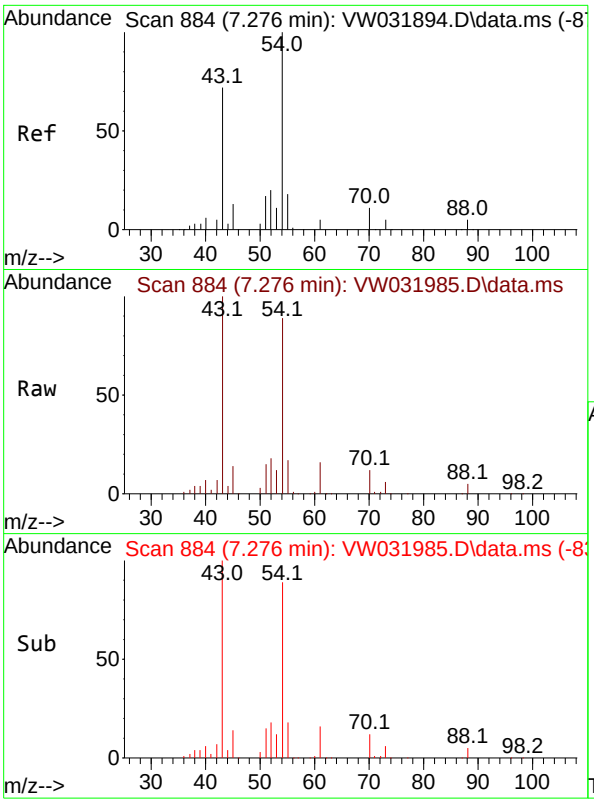


#36
1,1-Dichloropropene
Concen: 46.862 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 205027

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.0	50.9
77	31.8	25.1	37.7



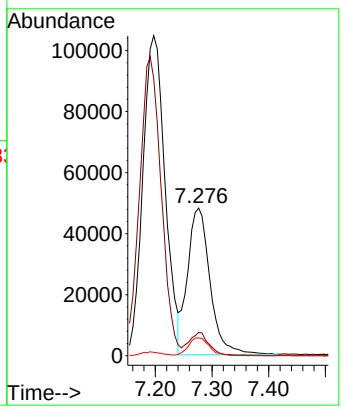


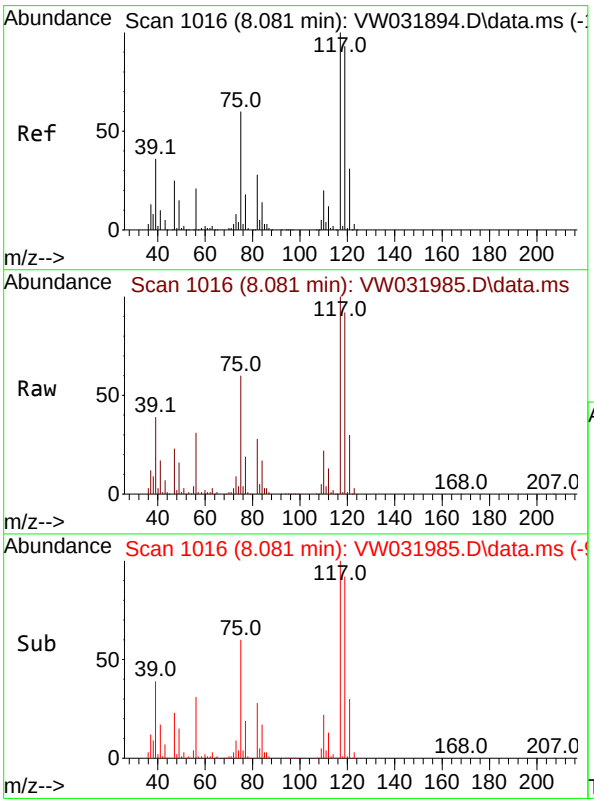
#37
Ethyl Acetate
Concen: 53.262 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 132933

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	11.4	9.0	13.4

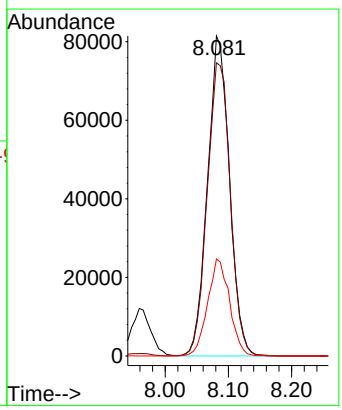


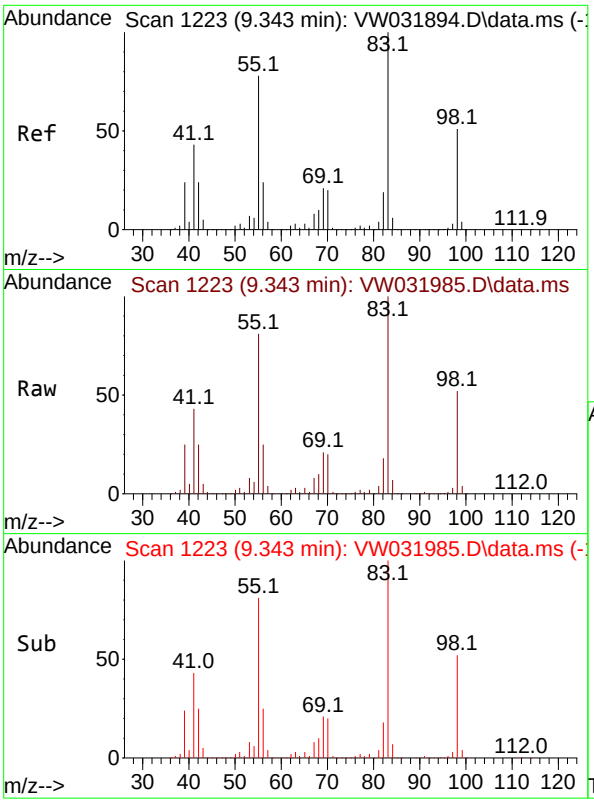


#38
Carbon Tetrachloride
Concen: 46.827 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:117 Resp: 196620

Ion	Ratio	Lower	Upper
117	100		
119	91.6	74.3	111.5
121	30.3	24.6	37.0



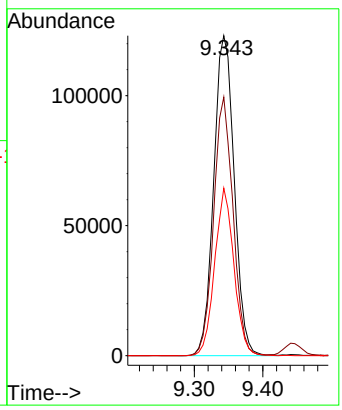


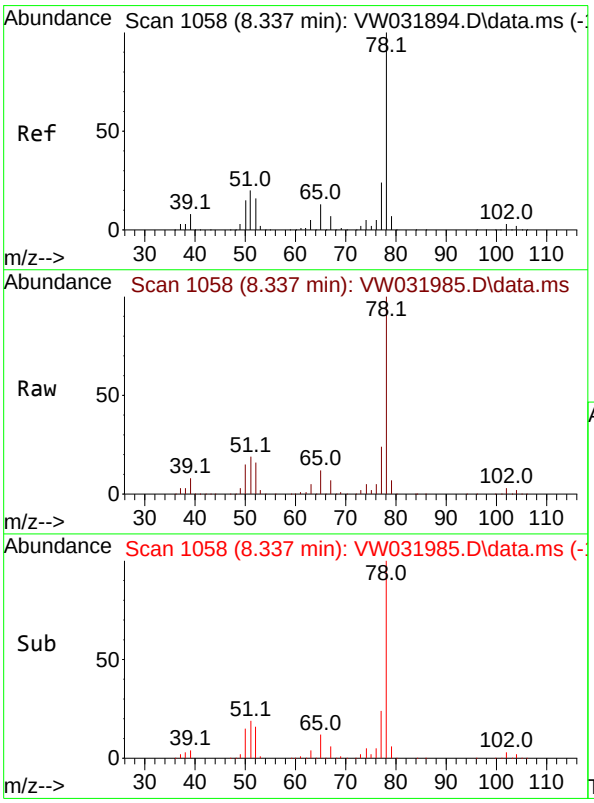
#39
Methylcyclohexane
Concen: 46.376 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 255342

Ion	Ratio	Lower	Upper
83	100		
55	80.8	62.5	93.7
98	52.4	40.6	61.0

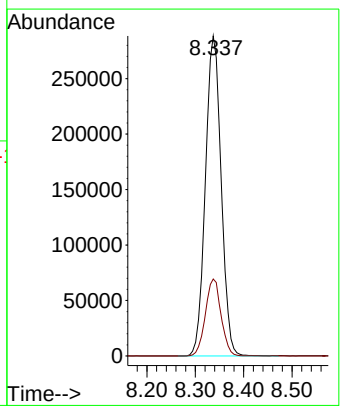


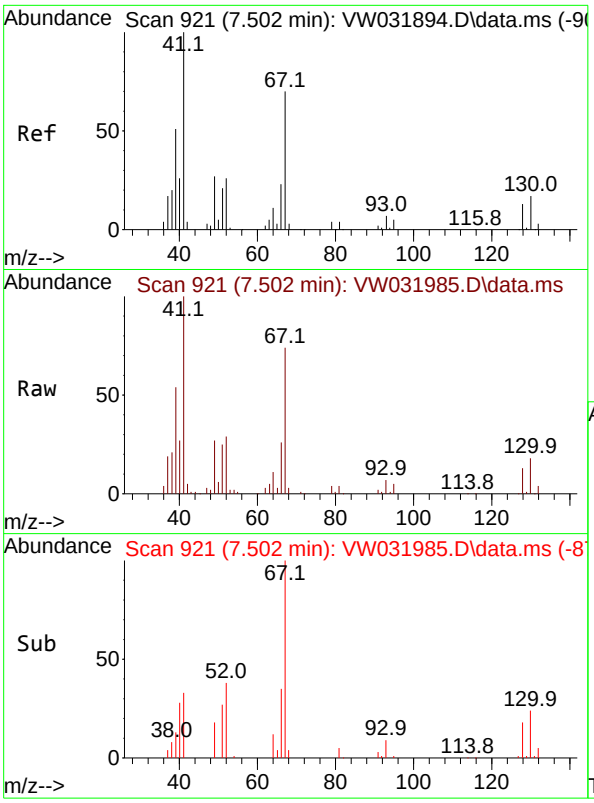


#40
Benzene
Concen: 50.349 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 78 Resp: 652081

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



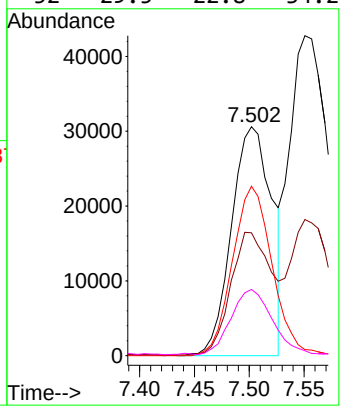


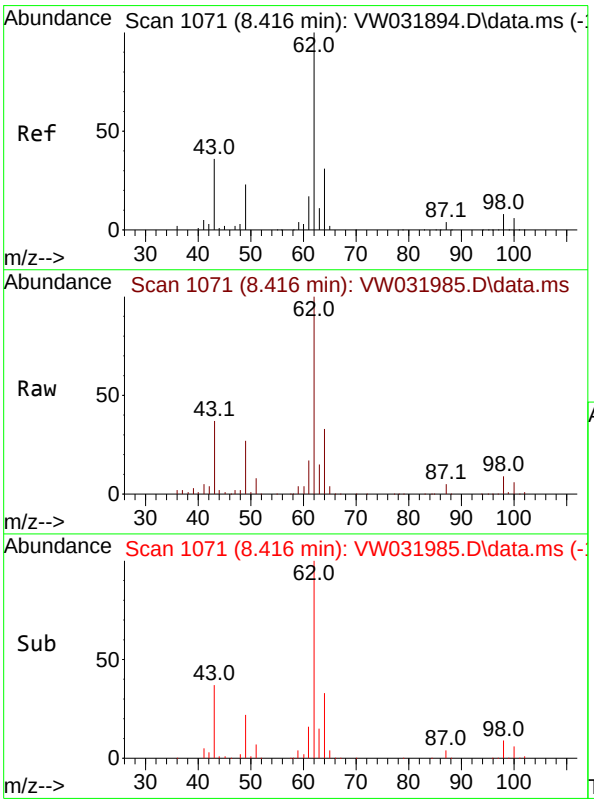
#41
Methacrylonitrile
Concen: 52.578 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 78554

Ion	Ratio	Lower	Upper
41	100		
39	53.3	41.1	61.7
67	73.3	56.2	84.4
52	29.5	22.8	34.2

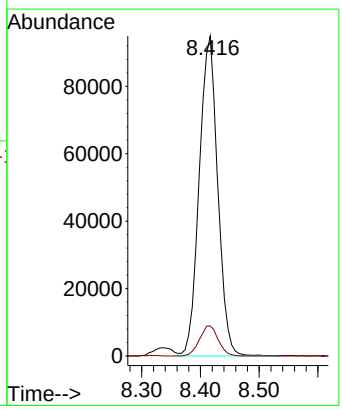


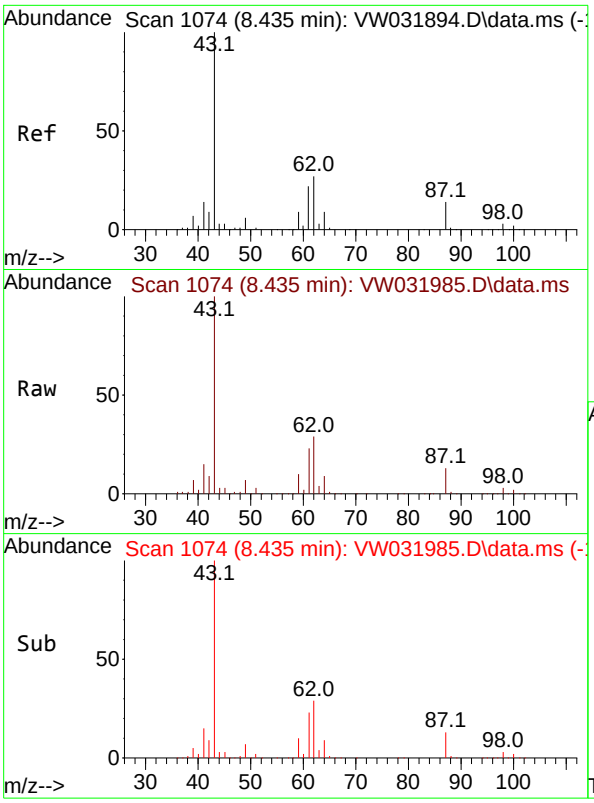


#42
1,2-Dichloroethane
Concen: 50.091 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 62 Resp: 207624

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



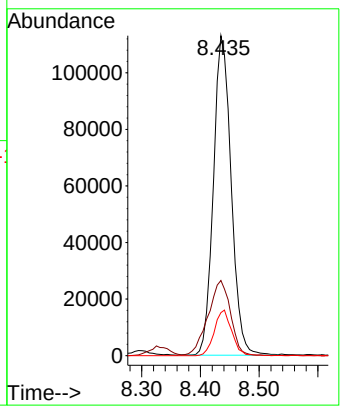


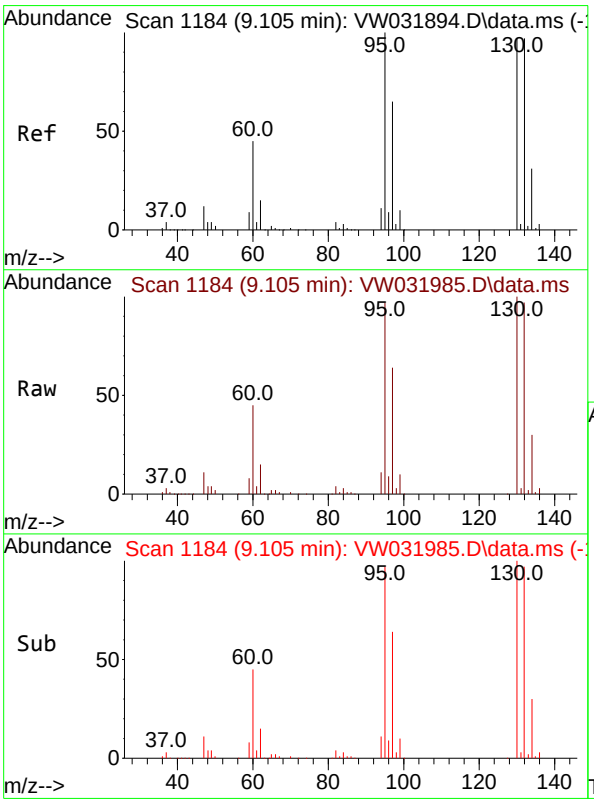
#43
Isopropyl Acetate
Concen: 52.561 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 237483

Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.0	36.0
87	14.0	11.1	16.7

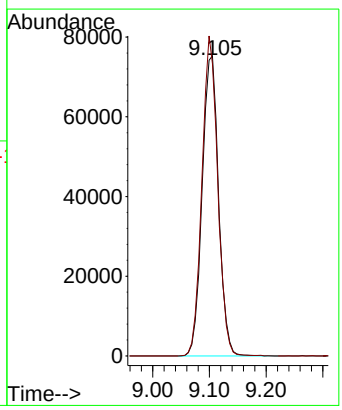


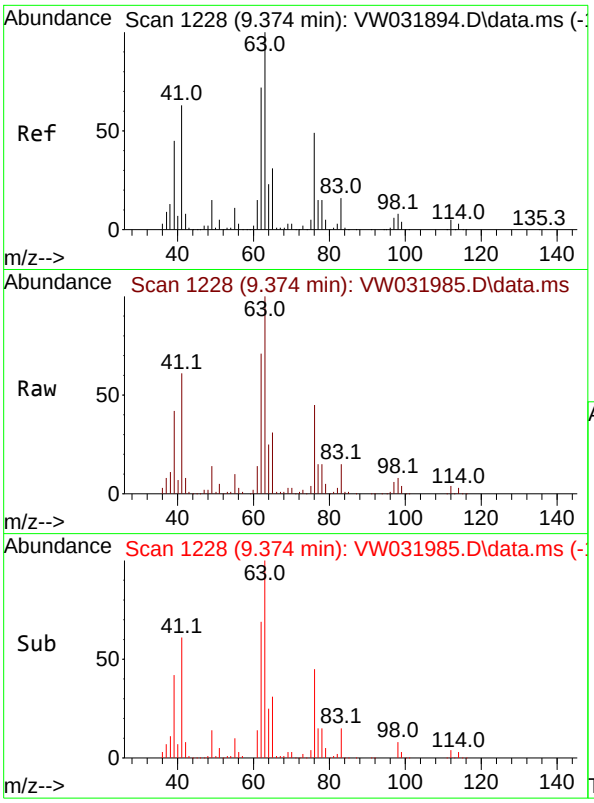


#44
Trichloroethene
Concen: 49.283 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:130 Resp: 151714

Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	206.4



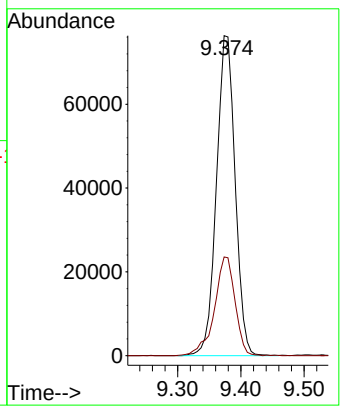


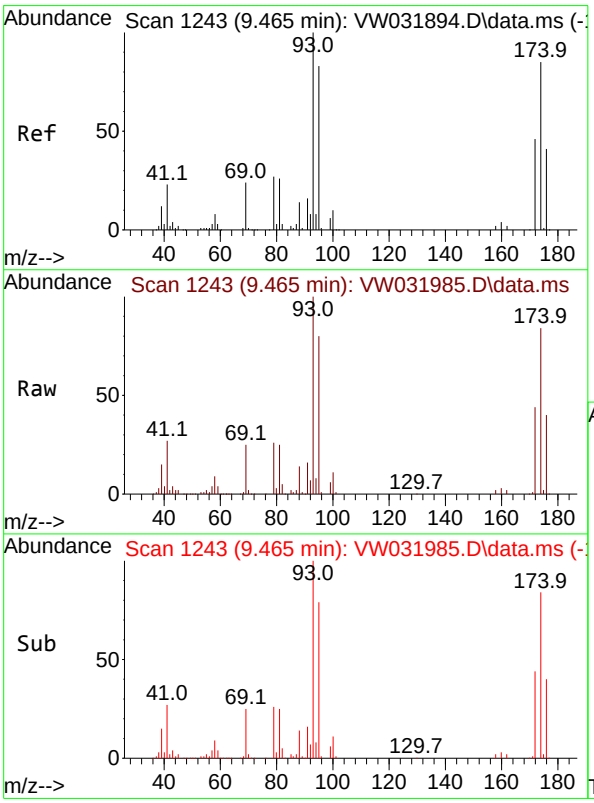
#45
1,2-Dichloropropane
Concen: 50.111 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 156300

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.4

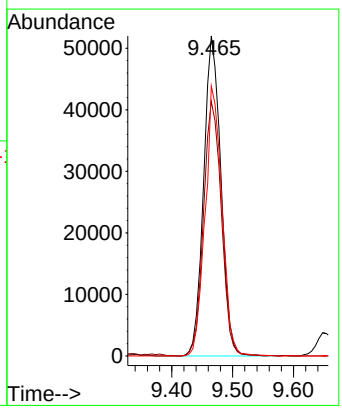


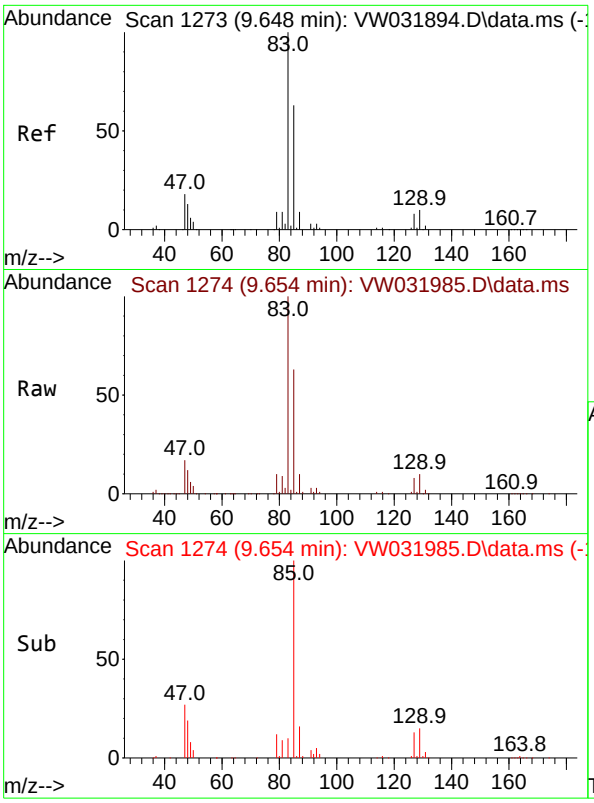


#46
Dibromomethane
Concen: 52.955 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 93 Resp: 102389

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.6
174	82.7	70.2	105.2



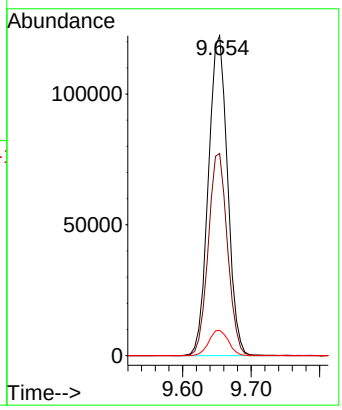


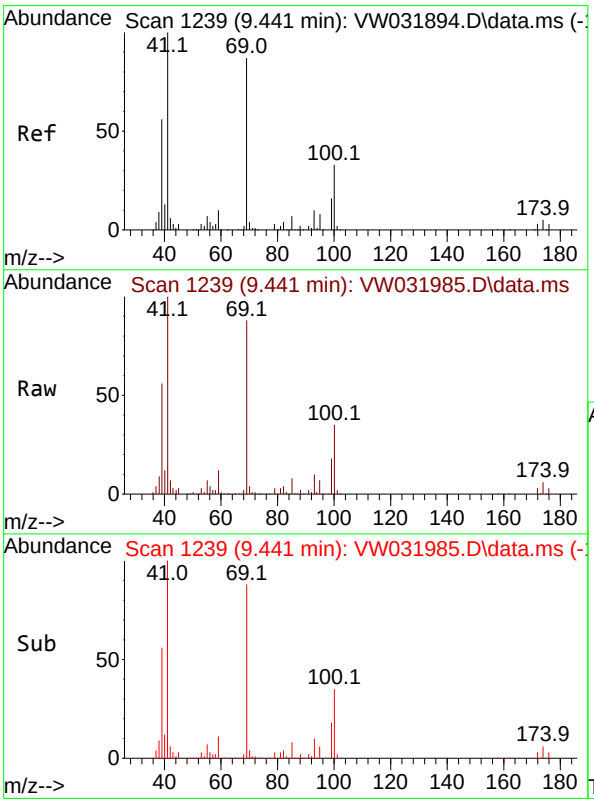
#47
Bromodichloromethane
Concen: 51.290 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 237800

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0
127	7.9	6.5	9.7

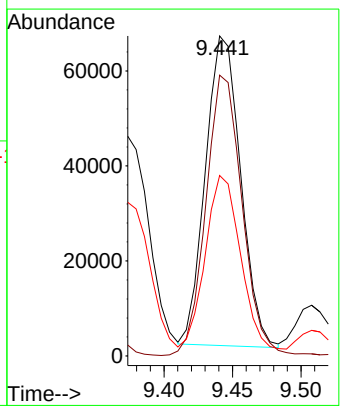


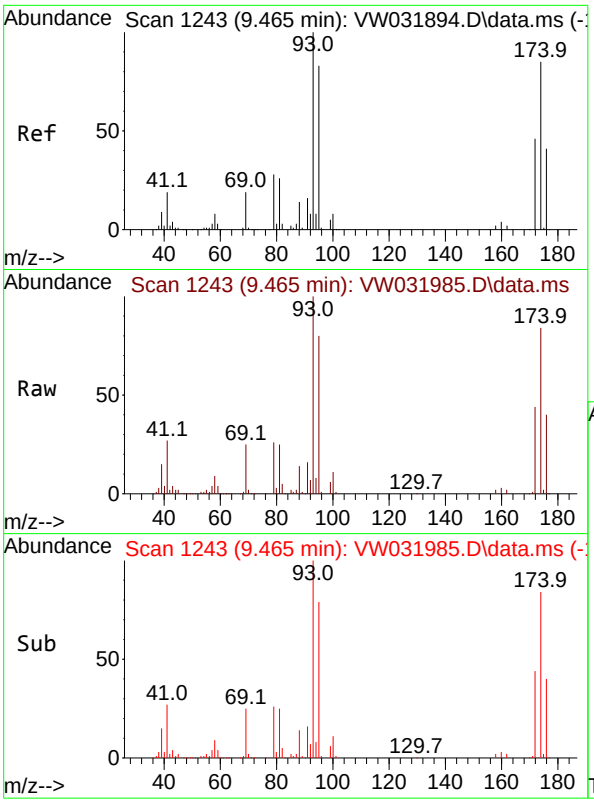


#48
Methyl methacrylate
Concen: 54.104 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 41 Resp: 116300

Ion	Ratio	Lower	Upper
41	100		
69	94.0	73.6	110.4
39	56.3	45.5	68.3



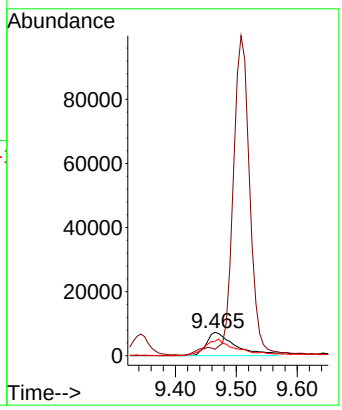


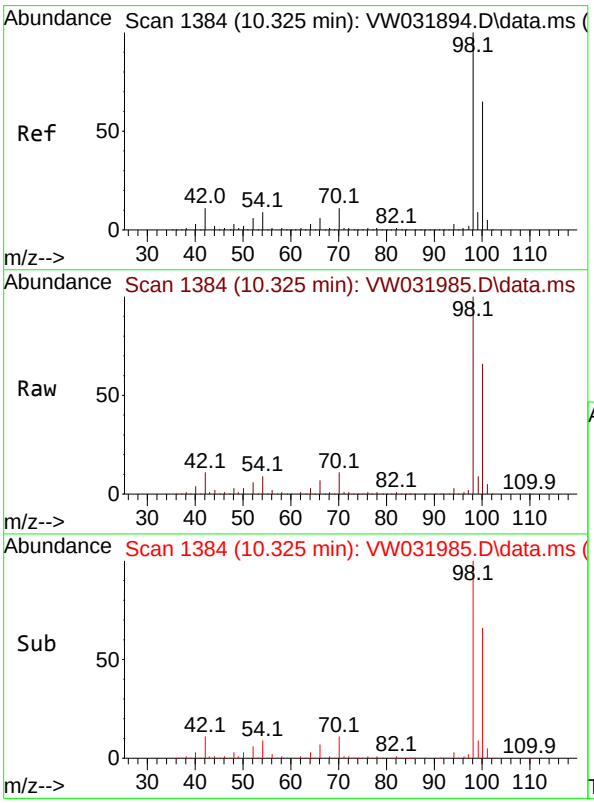
#49
1,4-Dioxane
Concen: 1248.792 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24093

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	75.2	58.2	87.2

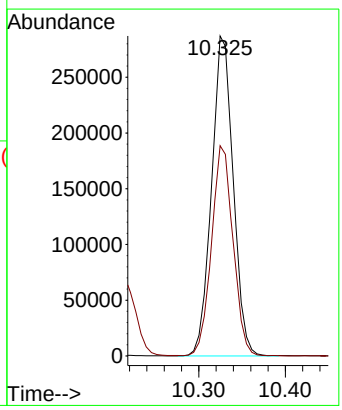


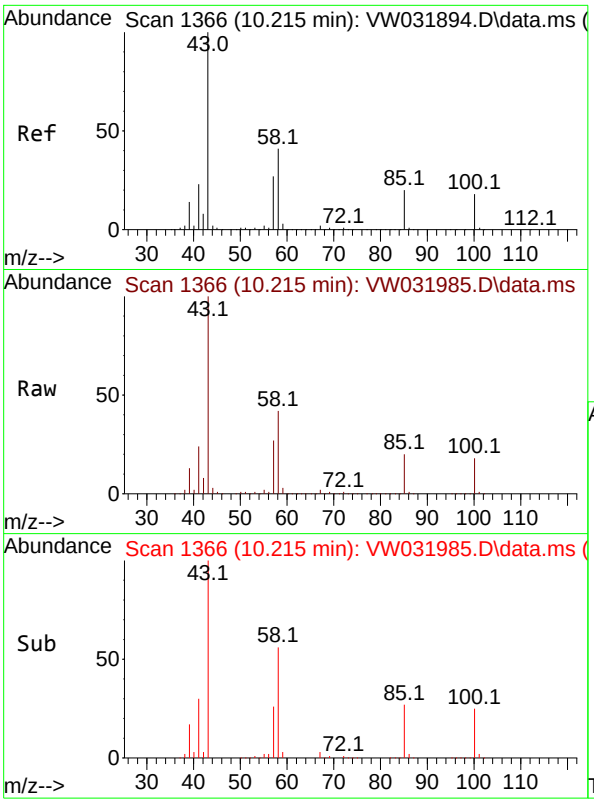


#50
Toluene-d8
Concen: 46.115 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 98 Resp: 497217

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5



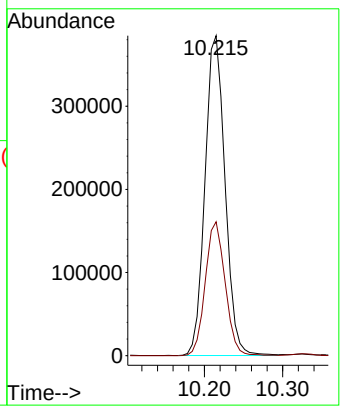


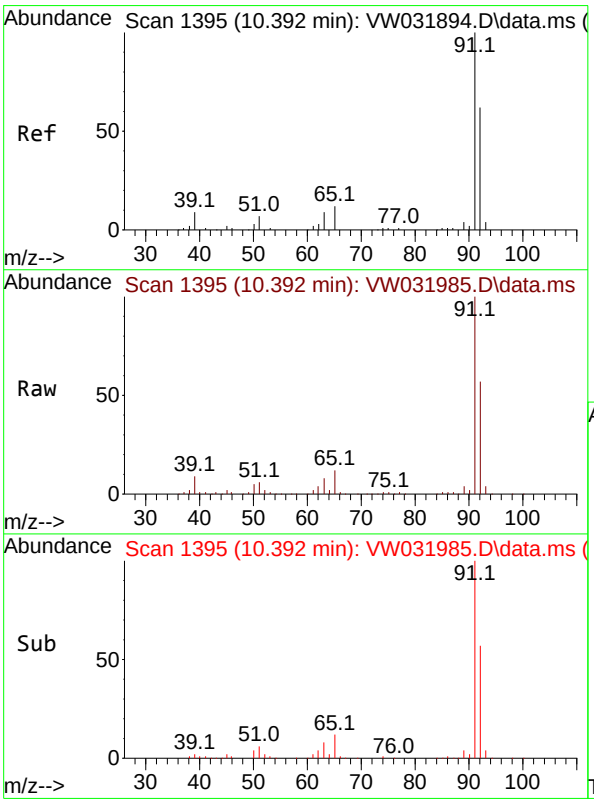
#51
4-Methyl-2-Pentanone
Concen: 276.474 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 683642

Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.8	49.2

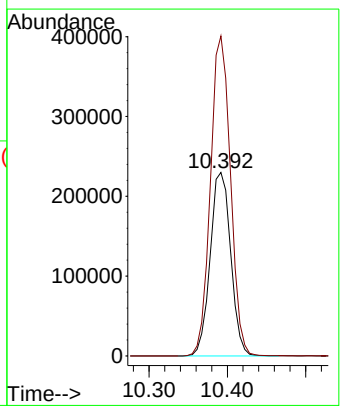


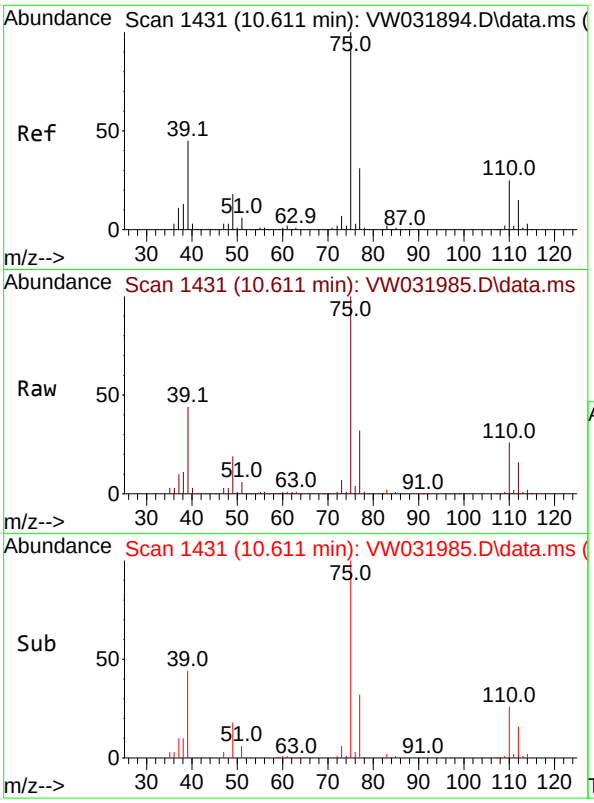


#52
Toluene
Concen: 50.282 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 92 Resp: 418627

Ion	Ratio	Lower	Upper
92	100		
91	170.2	133.7	200.5



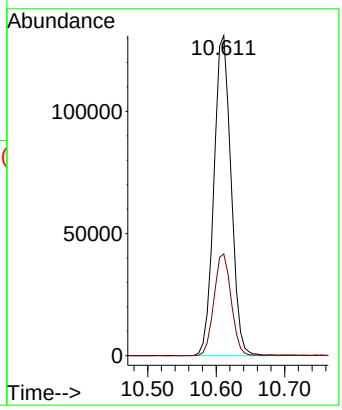


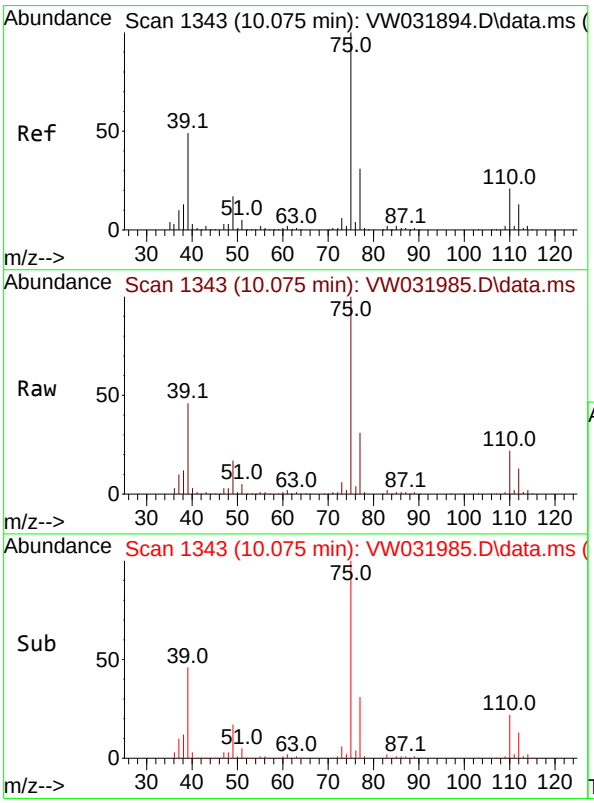
#53
t-1,3-Dichloropropene
Concen: 51.126 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 227379

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

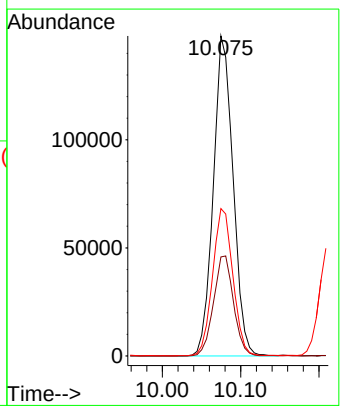


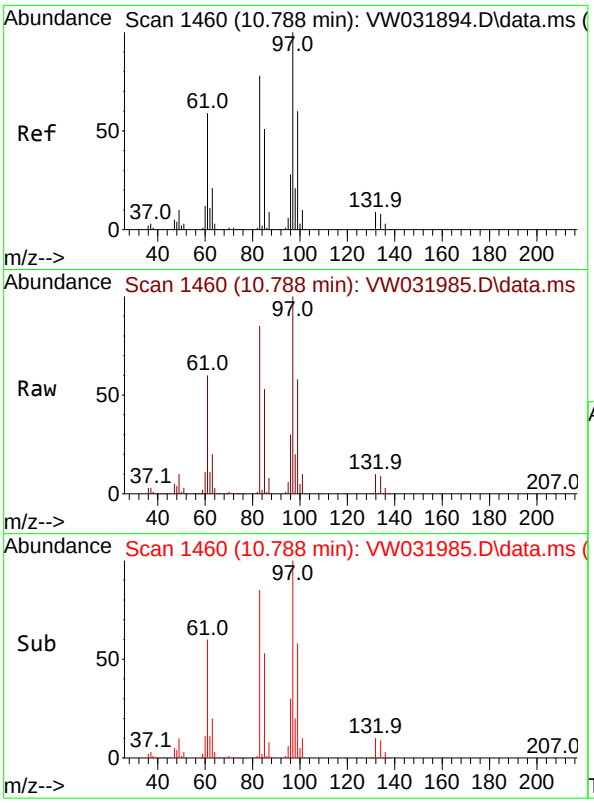


#54
cis-1,3-Dichloropropene
Concen: 51.145 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 259764

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.5	36.7
39	45.9	39.3	58.9



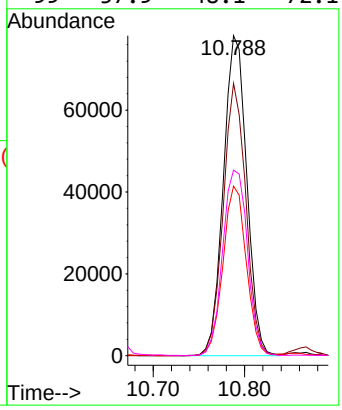


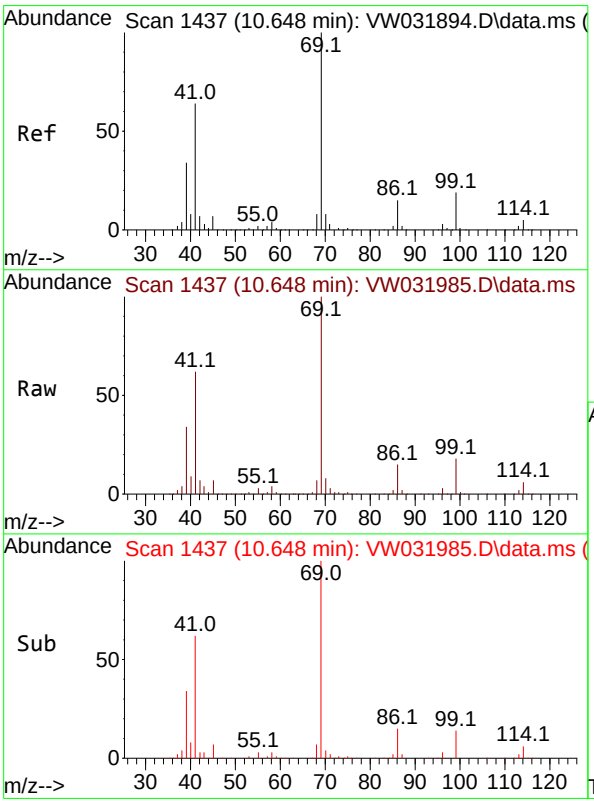
#55
1,1,2-Trichloroethane
Concen: 54.145 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 139062

Ion	Ratio	Lower	Upper
97	100		
83	85.1	62.4	93.6
85	53.0	41.0	61.6
99	57.9	48.1	72.1

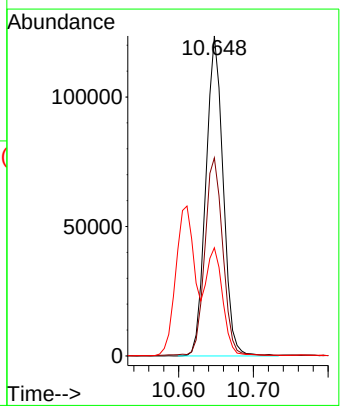


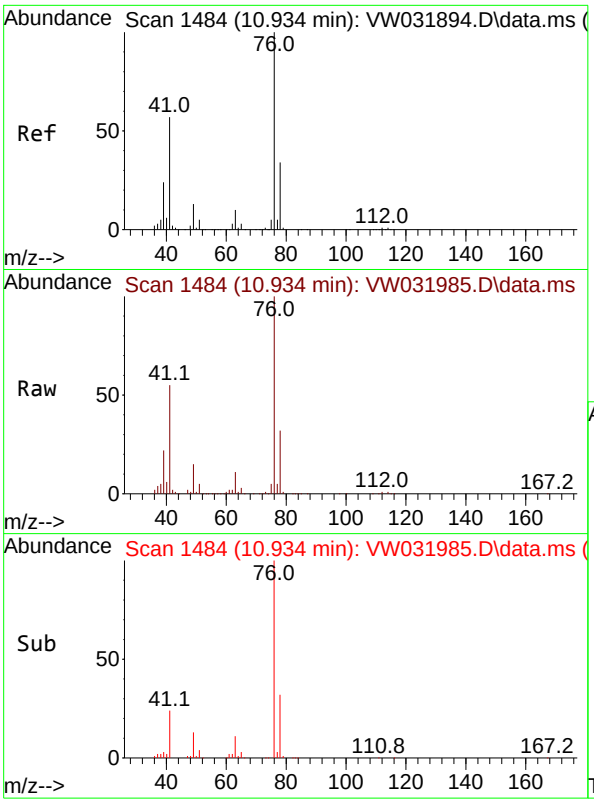


#56
Ethyl methacrylate
Concen: 54.717 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 69 Resp: 198472

Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.0	78.0
39	32.5	26.6	40.0



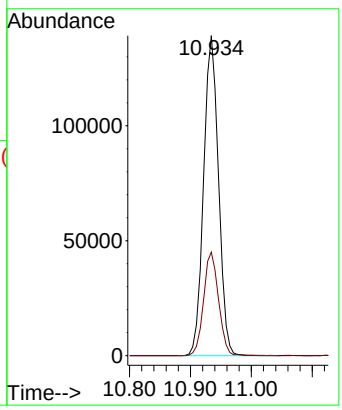


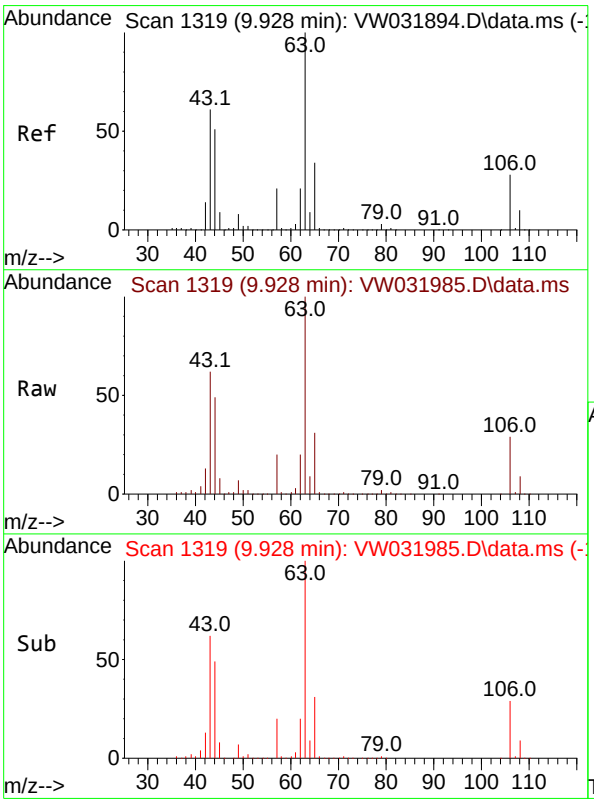
#57
1,3-Dichloropropane
Concen: 52.261 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 236462

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

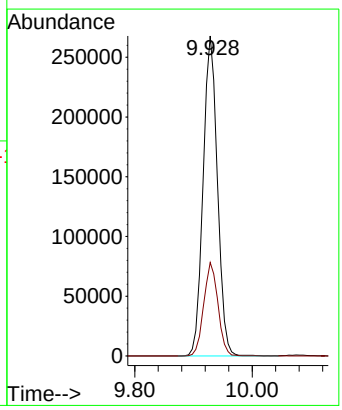


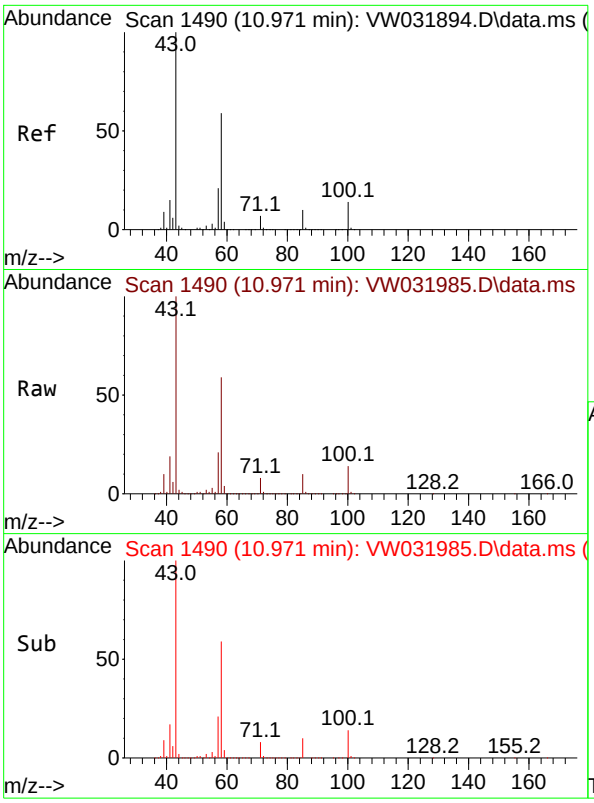


#58
2-Chloroethyl Vinyl ether
Concen: 243.681 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 63 Resp: 454012

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1



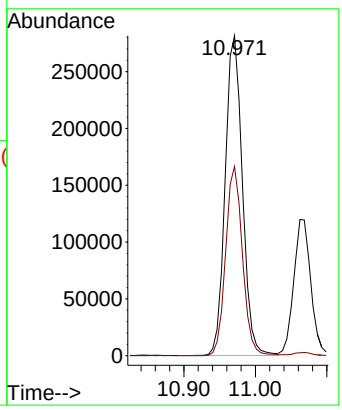


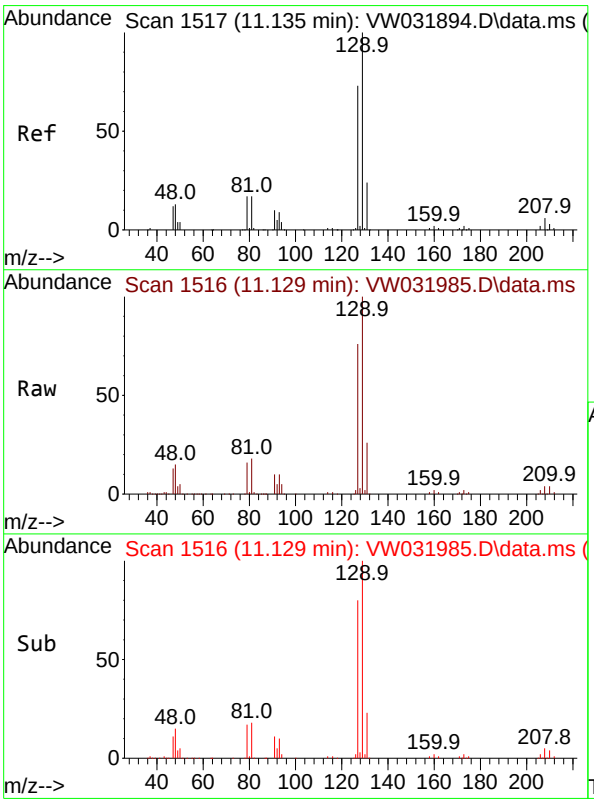
#59
2-Hexanone
Concen: 274.174 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 471245

Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.5	85.6

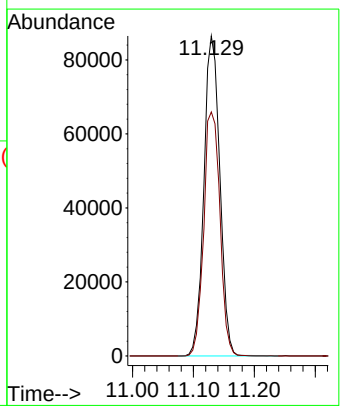


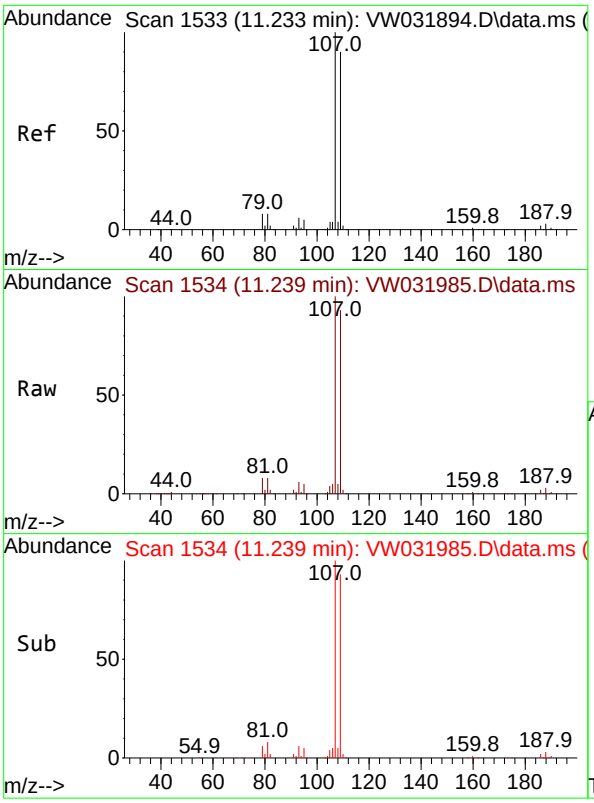


#60
Dibromochloromethane
Concen: 52.497 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:129 Resp: 157200

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.6	118.8



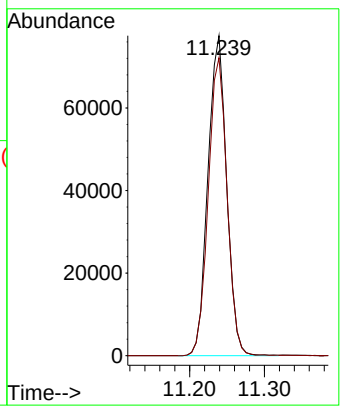


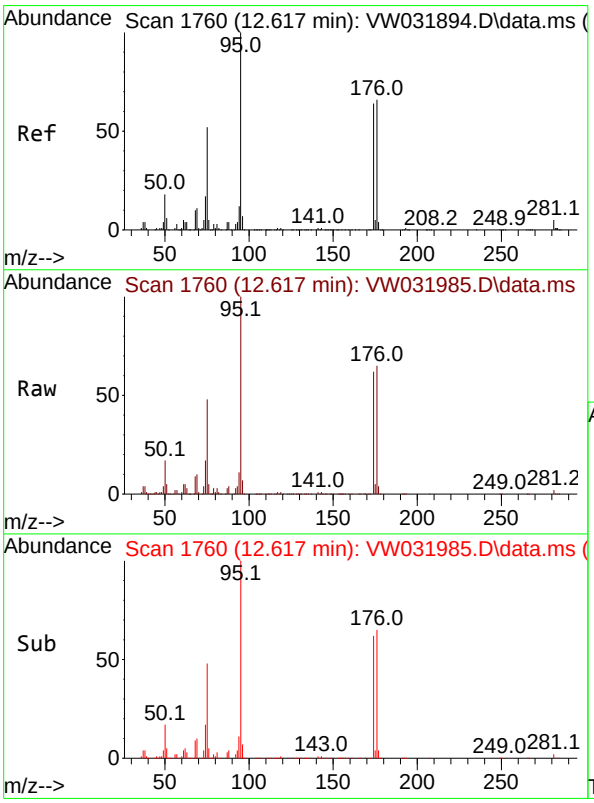
#61
1,2-Dibromoethane
Concen: 53.118 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 134804

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.2	111.4

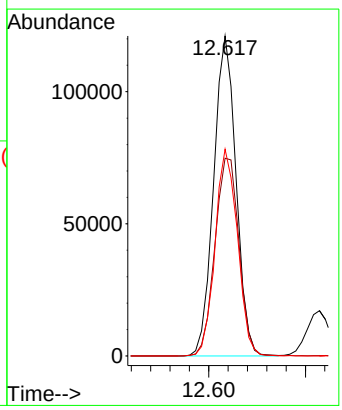


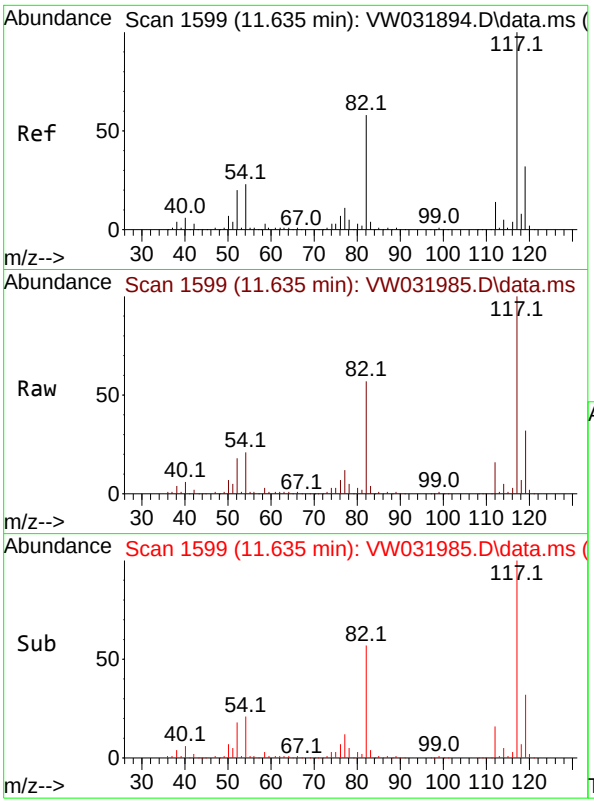


#62
4-Bromofluorobenzene
Concen: 46.896 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 95 Resp: 194159

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	129.8
176	64.6	0.0	130.4



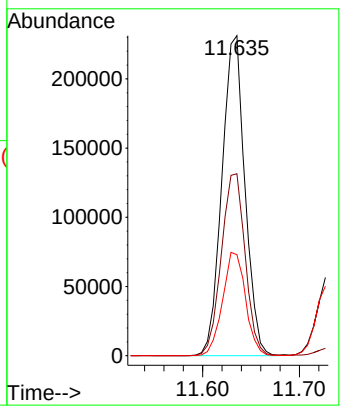


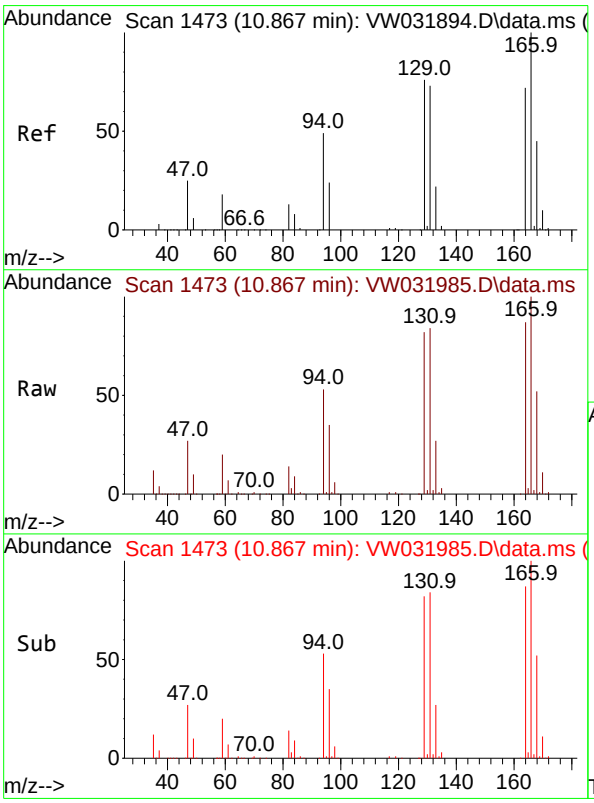
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 382211

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.5	69.7
119	31.5	25.8	38.6

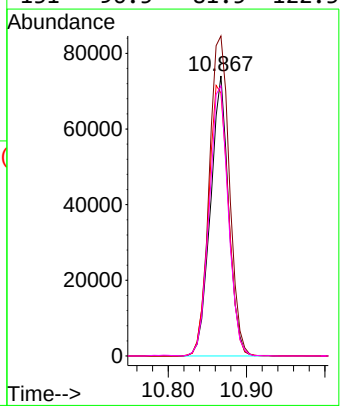


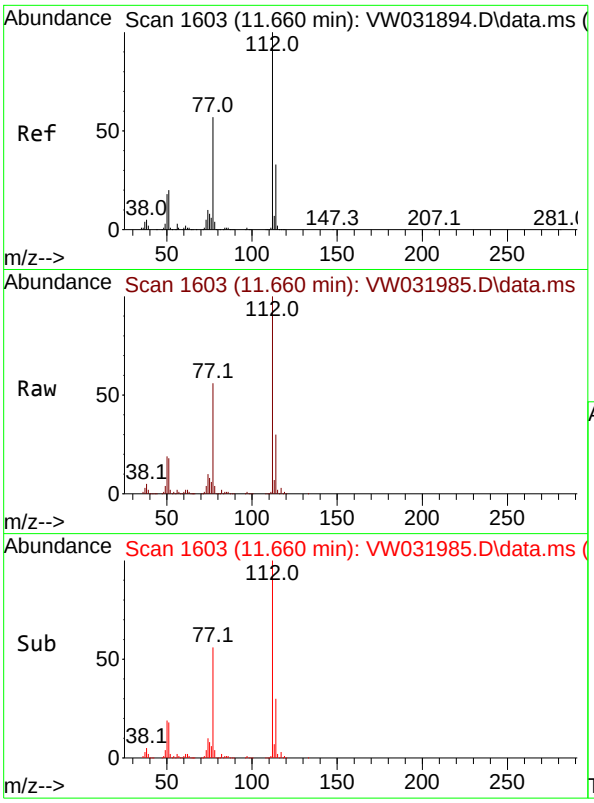


#64
Tetrachloroethene
Concen: 47.091 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:164 Resp: 118669

Ion	Ratio	Lower	Upper
164	100		
166	114.3	111.5	167.3
129	94.0	85.1	127.7
131	96.5	81.5	122.3



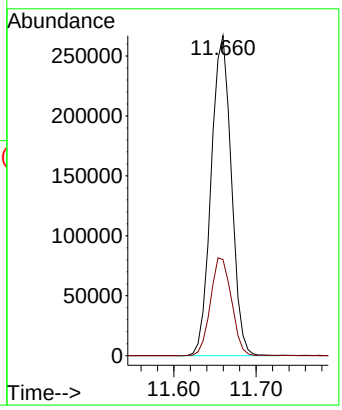


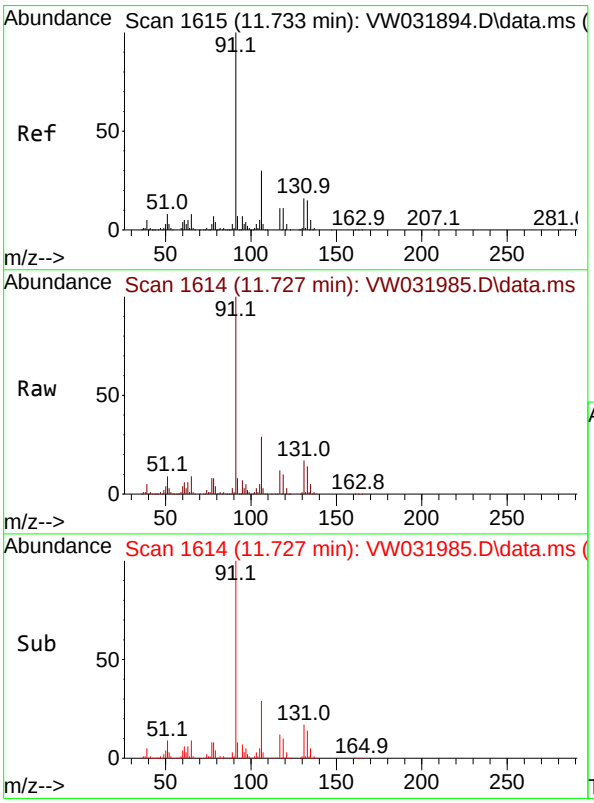
#65
Chlorobenzene
Concen: 48.717 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 455717

Ion	Ratio	Lower	Upper
112	100		
114	30.0	26.2	39.2

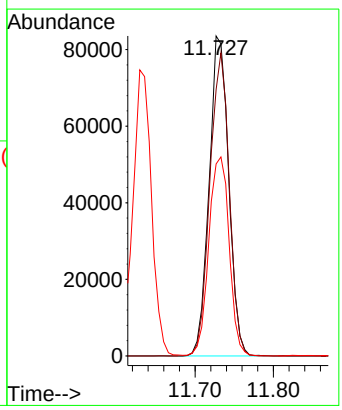


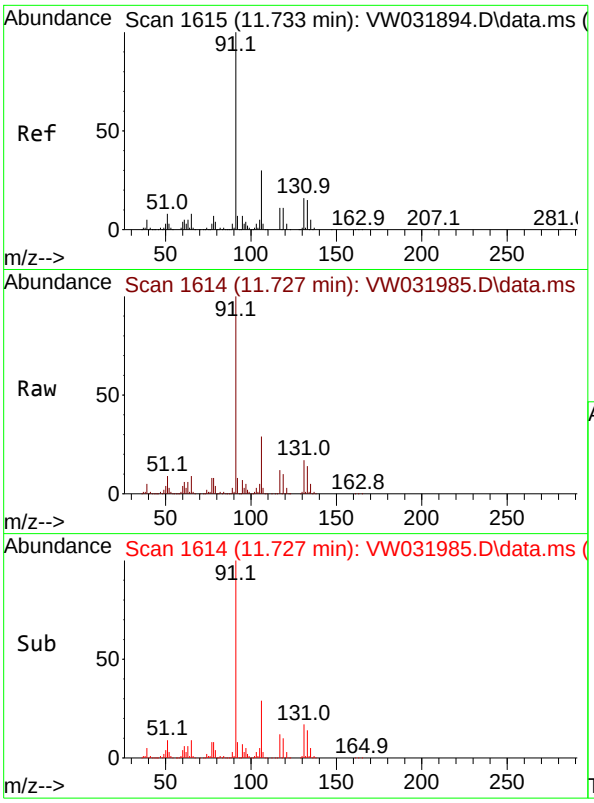


#66
1,1,1,2-Tetrachloroethane
Concen: 49.944 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:131 Resp: 144835

Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.1	144.4
119	64.9	33.7	101.1



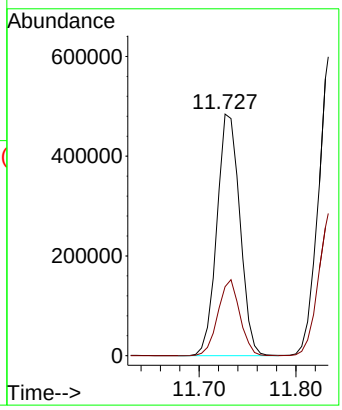


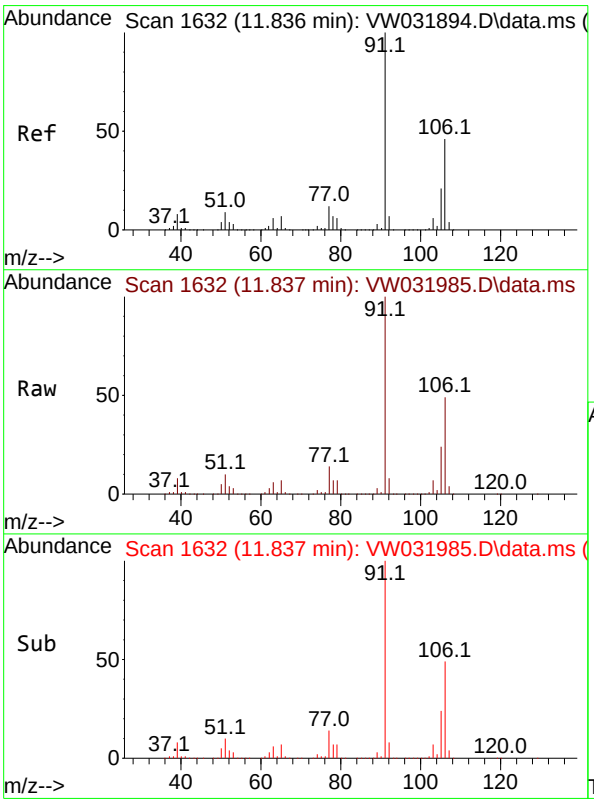
#67
Ethyl Benzene
Concen: 48.521 ug/l
RT: 11.727 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 797474

Ion	Ratio	Lower	Upper
91	100		
106	28.5	23.8	35.6

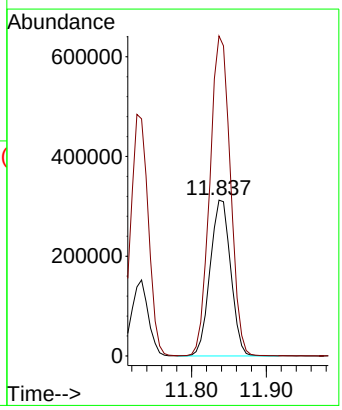


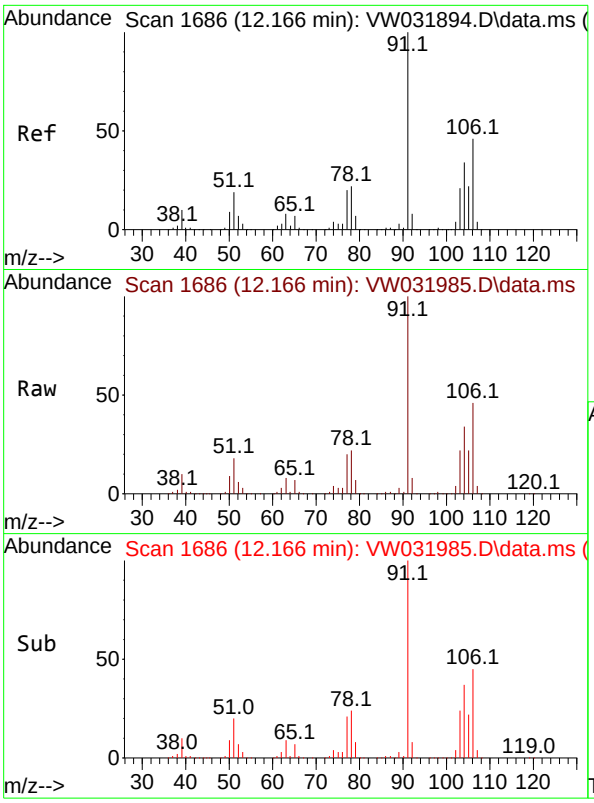


#68
m/p-Xylenes
Concen: 96.758 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:106 Resp: 598674

Ion	Ratio	Lower	Upper
106	100		
91	205.4	167.7	251.5



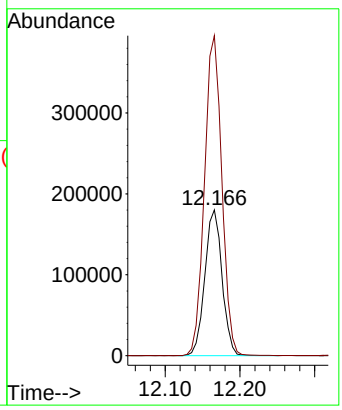


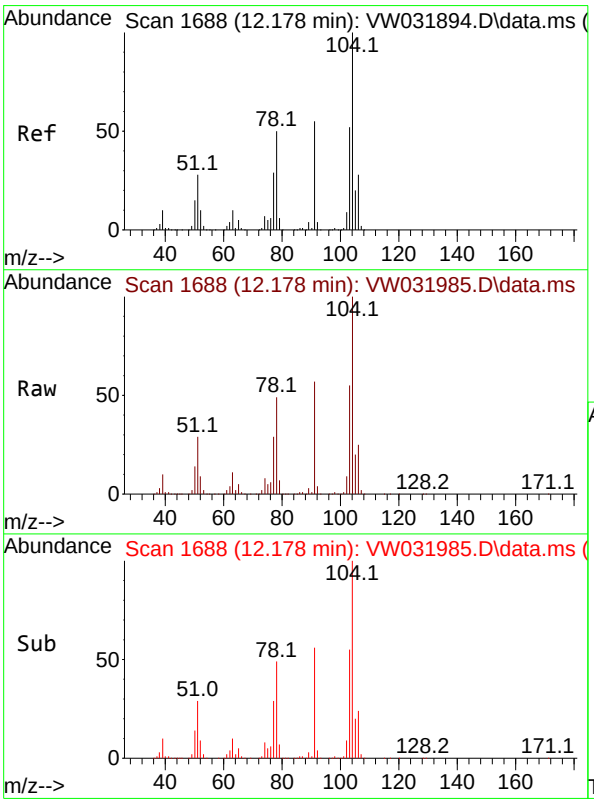
#69
o-Xylene
Concen: 49.214 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 288170

Ion	Ratio	Lower	Upper
106	100		
91	221.1	108.2	324.6

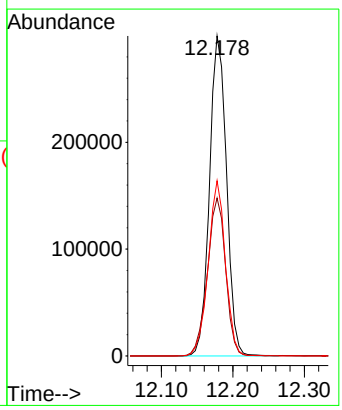


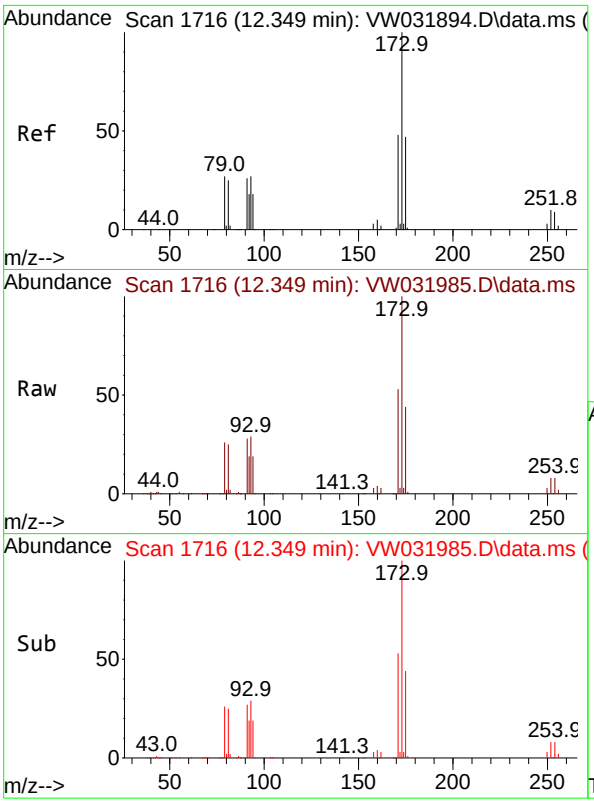


#70
Styrene
Concen: 49.707 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:104 Resp: 495553

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.2	63.4
103	55.3	42.8	64.2



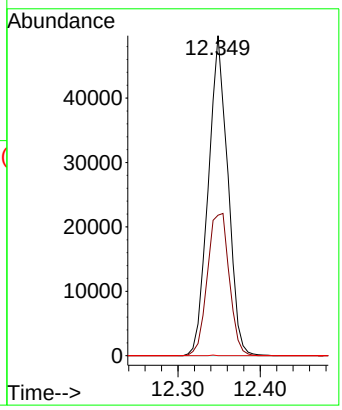


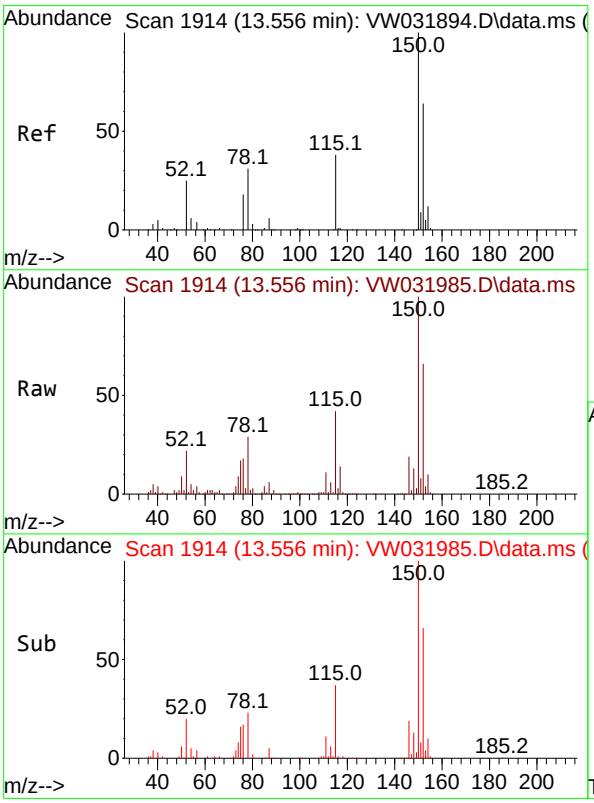
#71
Bromoform
Concen: 51.754 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 82082

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.0	0.2	0.2#

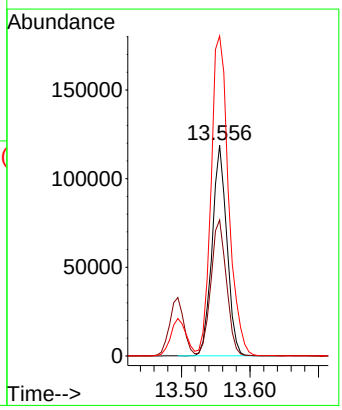


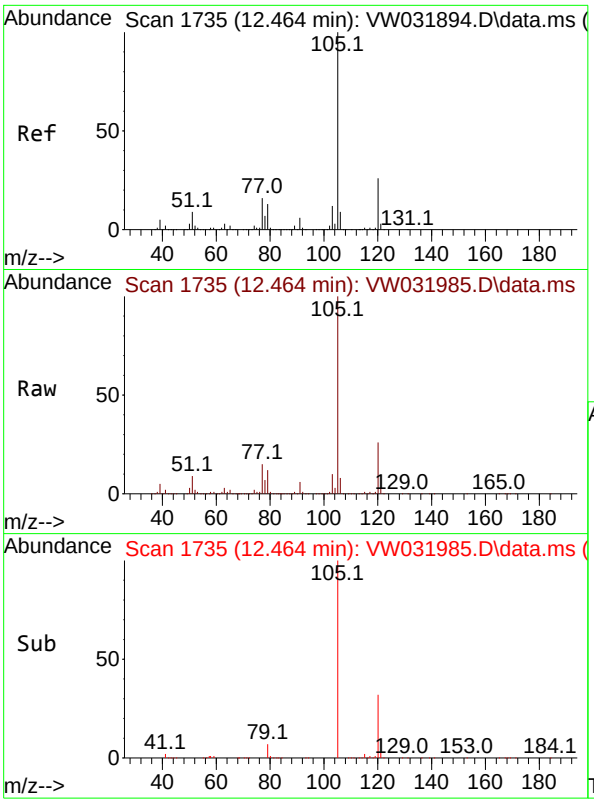


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:152 Resp: 177871

Ion	Ratio	Lower	Upper
152	100		
115	67.8	33.4	100.1
150	179.6	0.0	352.2



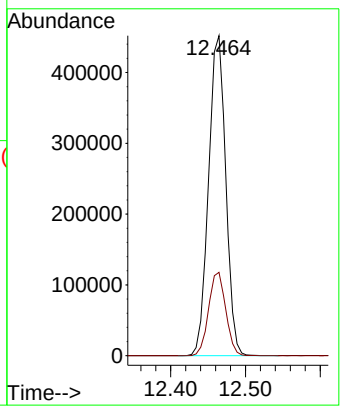


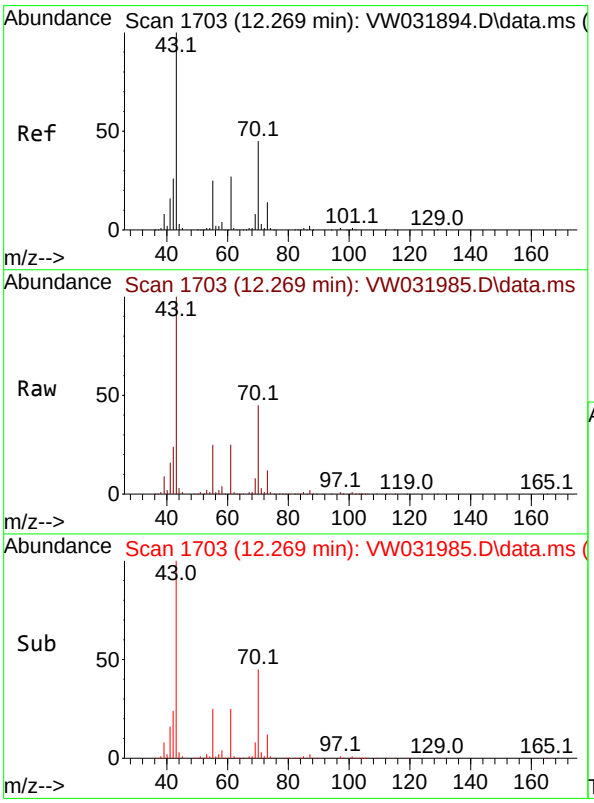
#73
Isopropylbenzene
Concen: 46.792 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 722149

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8

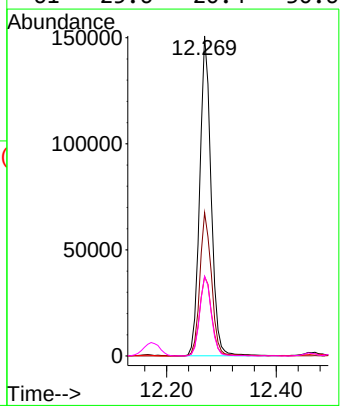


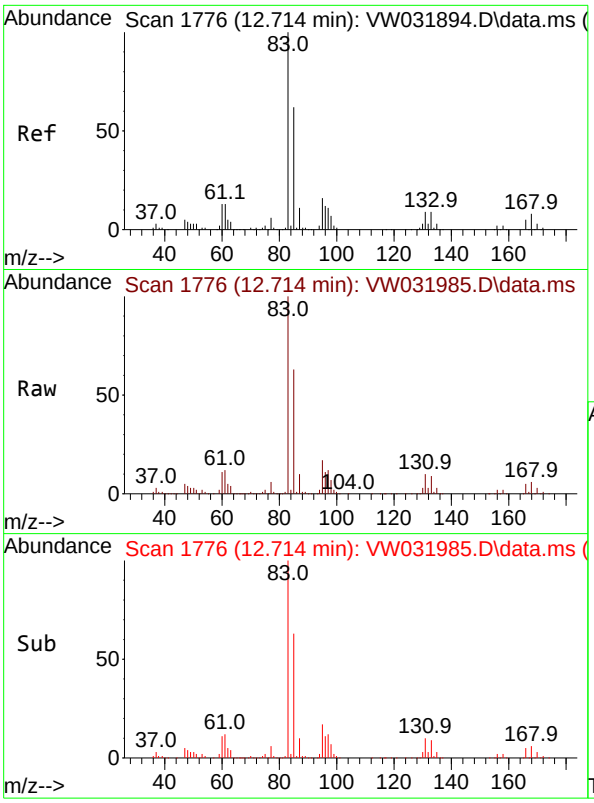


#74
N-amyl acetate
Concen: 52.039 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 43 Resp: 217122

Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.6	55.0
55	26.8	20.7	31.1
61	25.6	20.4	30.6



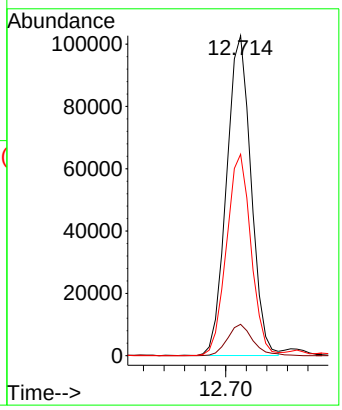


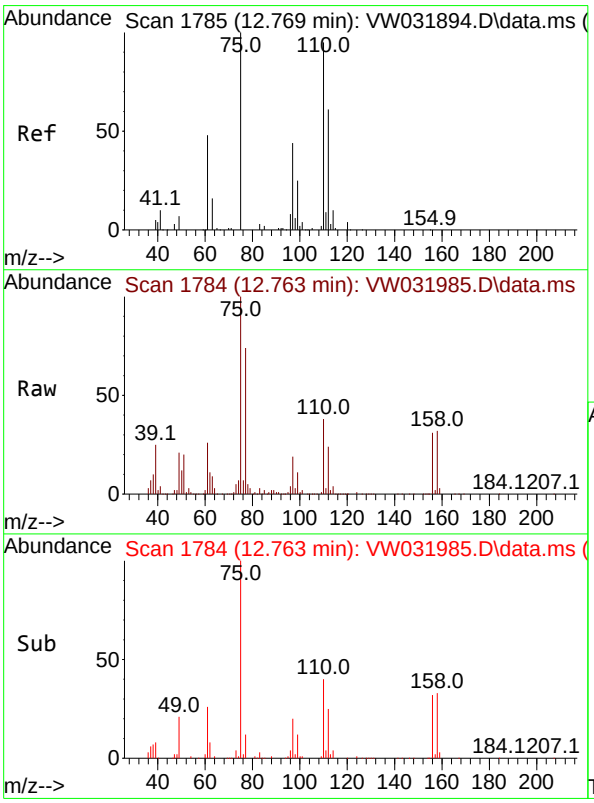
#75
1,1,2,2-Tetrachloroethane
Concen: 51.882 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 169961

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	63.1	31.8	95.3

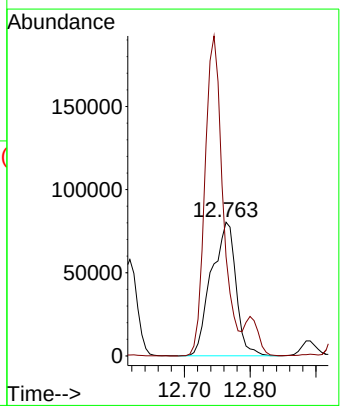


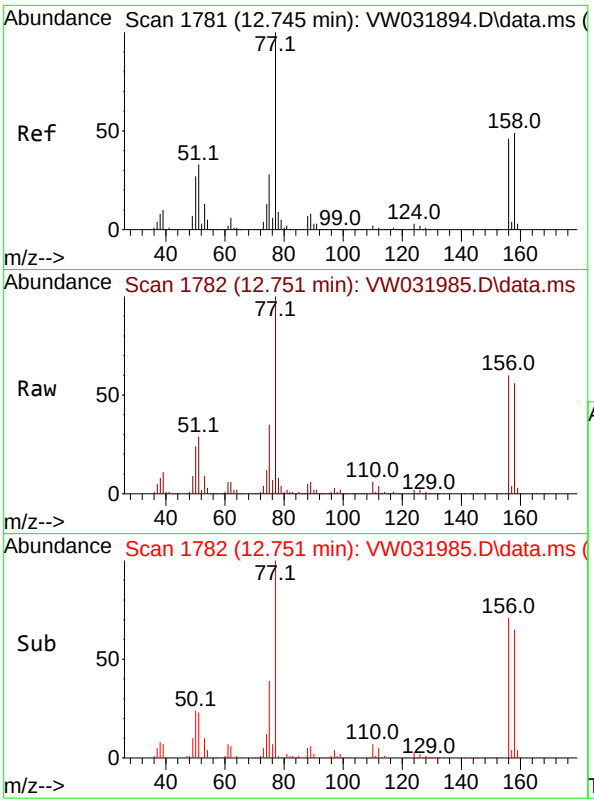


#76
1,2,3-Trichloropropane
Concen: 85.148 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 209104

Ion	Ratio	Lower	Upper
75	100		
77	176.5	0.0	0.0#



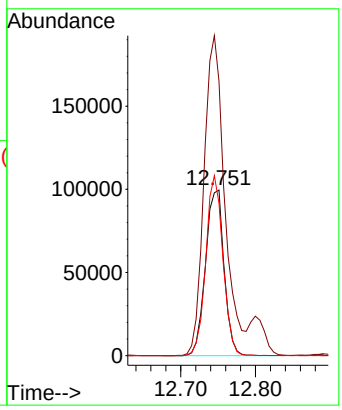


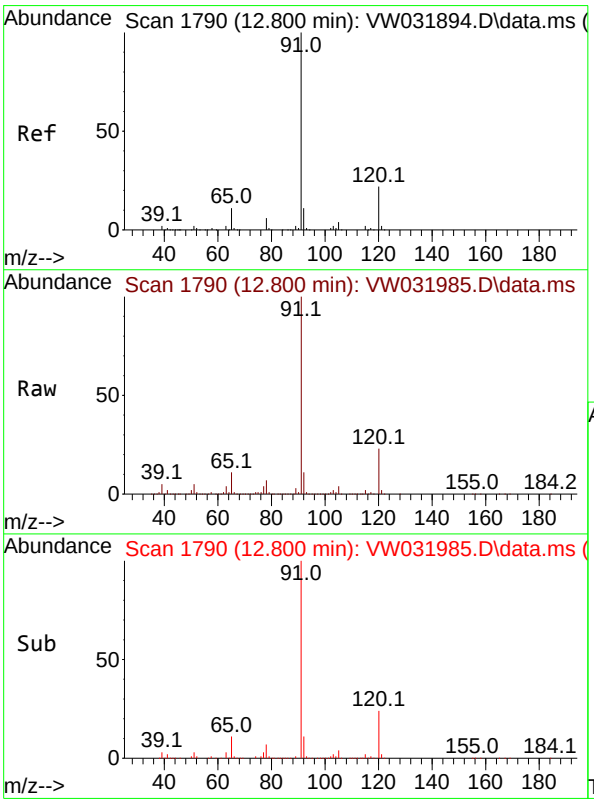
#77
Bromobenzene
Concen: 51.396 ug/l
RT: 12.751 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 171625

Ion	Ratio	Lower	Upper
156	100		
77	215.0	115.3	345.8
158	100.6	50.1	150.3

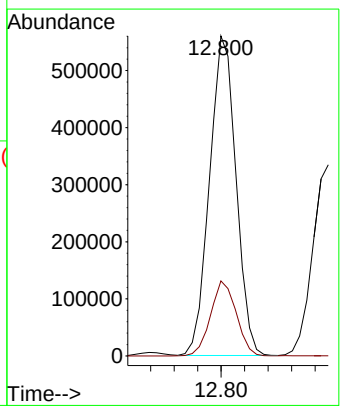


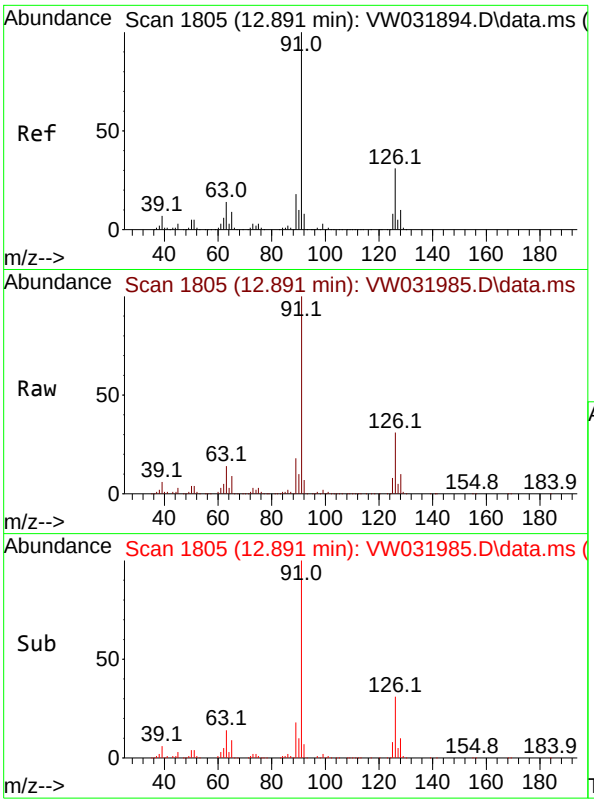


#78
n-propylbenzene
Concen: 46.224 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 876165

Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.9	32.6



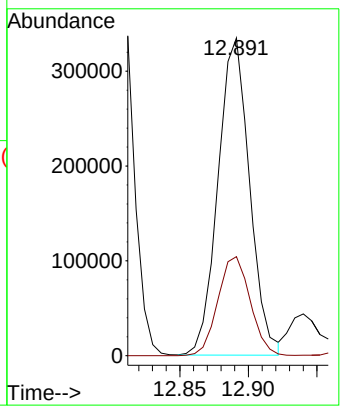


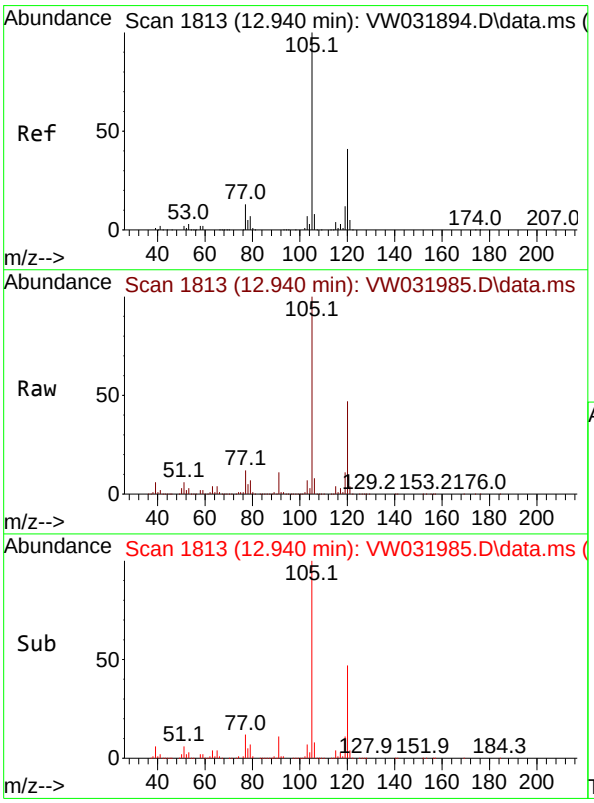
#79
2-Chlorotoluene
Concen: 47.352 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 535891

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.8

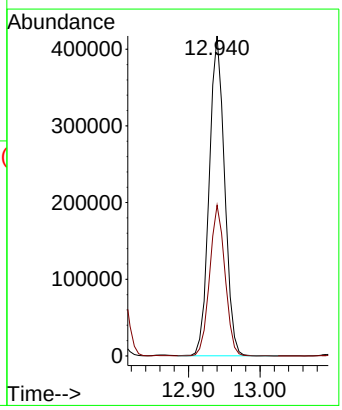


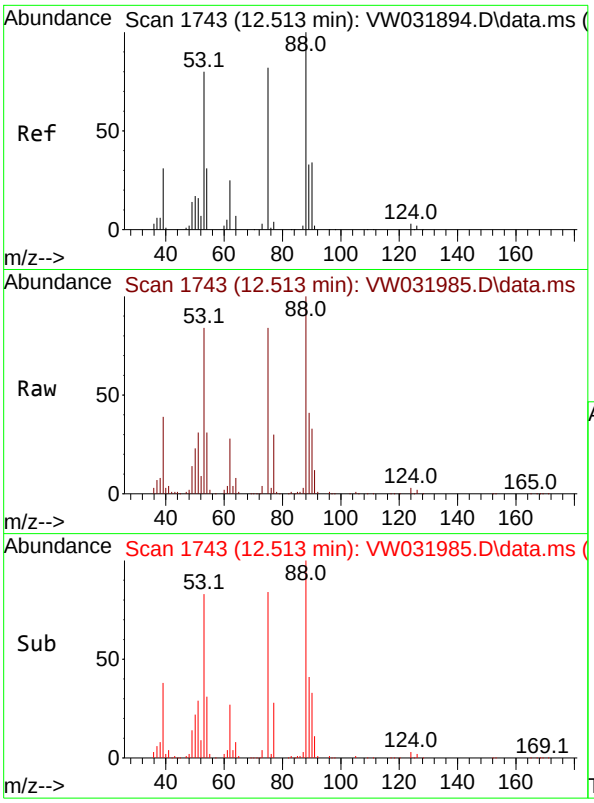


#80
1,3,5-Trimethylbenzene
Concen: 48.080 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:105 Resp: 622333

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.5	70.5



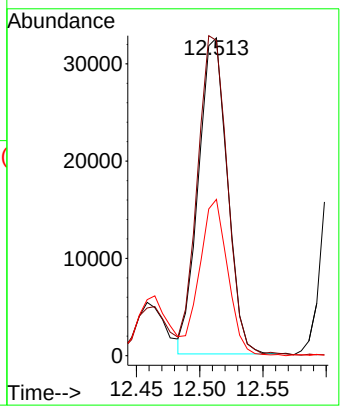


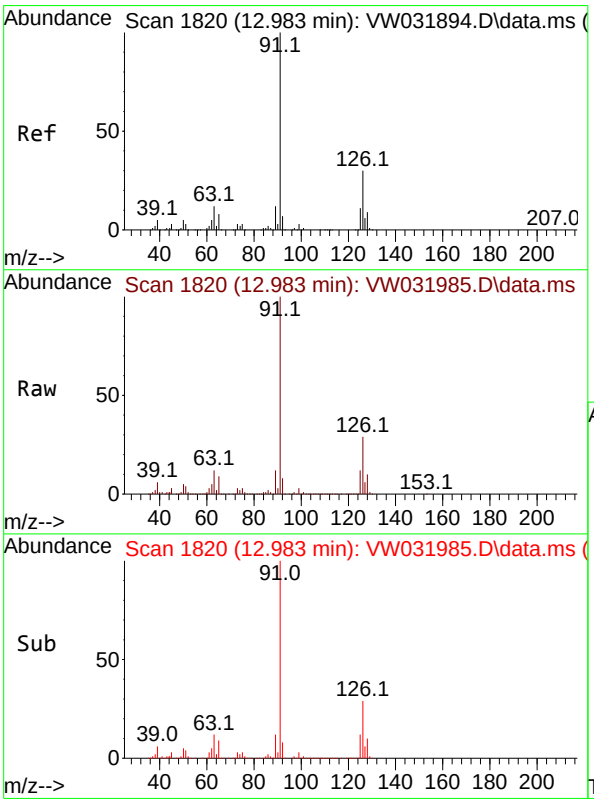
#81
trans-1,4-Dichloro-2-butene
Concen: 48.698 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 51800

Ion	Ratio	Lower	Upper
75	100		
53	104.6	83.7	125.5
89	48.7	39.0	58.6

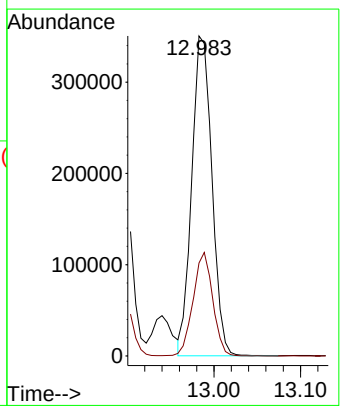


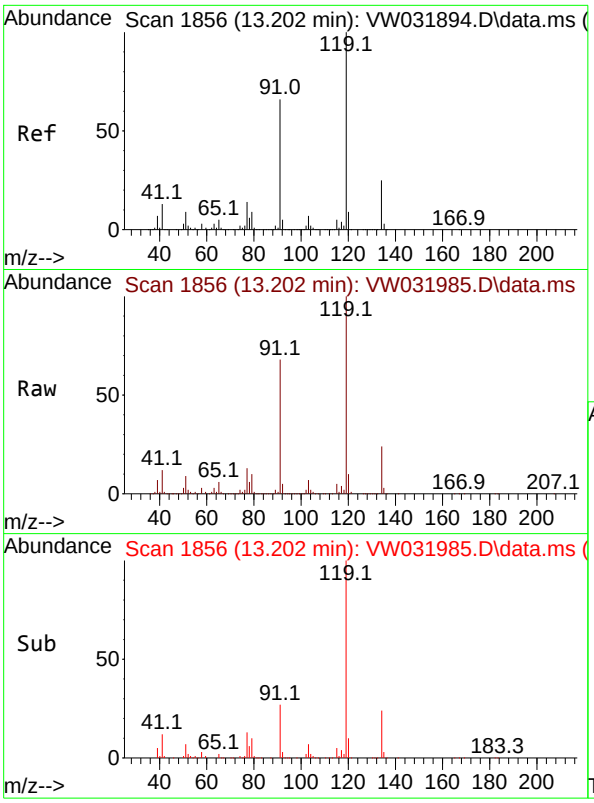


#82
4-Chlorotoluene
Concen: 47.686 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 91 Resp: 566162

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.3



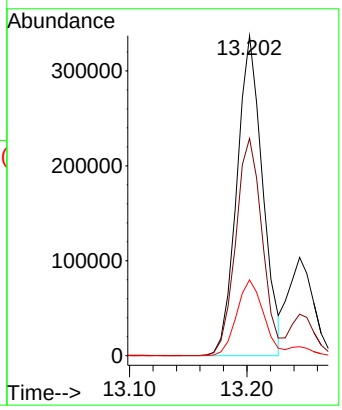


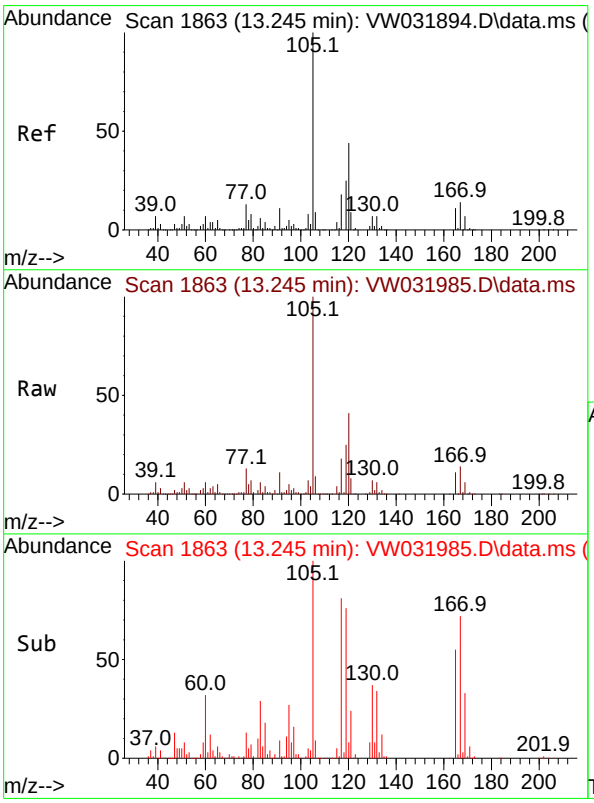
#83
tert-Butylbenzene
Concen: 46.614 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 513940

Ion	Ratio	Lower	Upper
119	100		
91	69.5	35.5	106.5
134	24.8	12.4	37.0

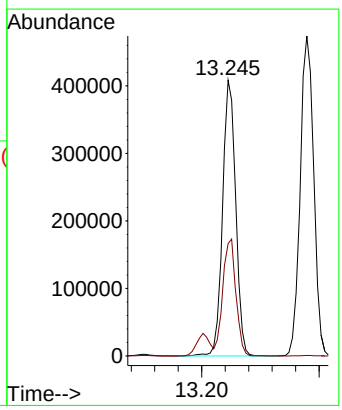


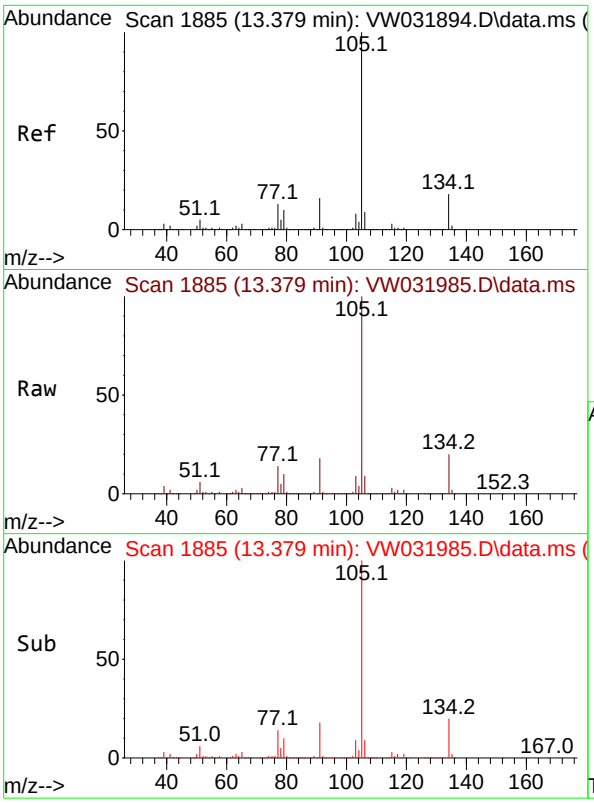


#84
1,2,4-Trimethylbenzene
Concen: 48.353 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:105 Resp: 633478

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.3	63.9



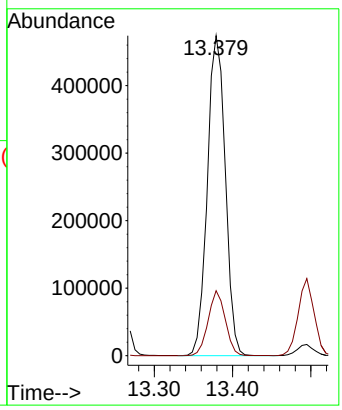


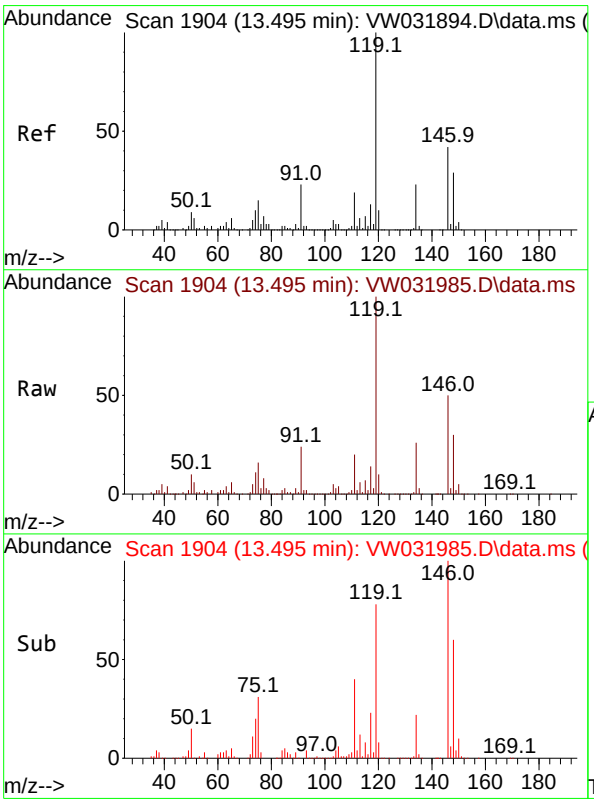
#85
sec-Butylbenzene
Concen: 45.541 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 754033

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.2	27.6

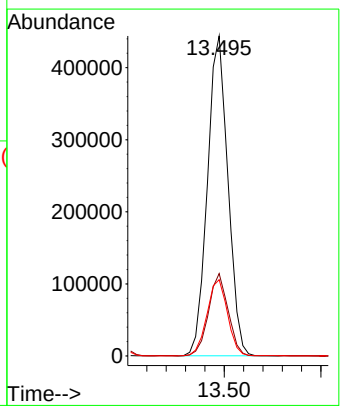


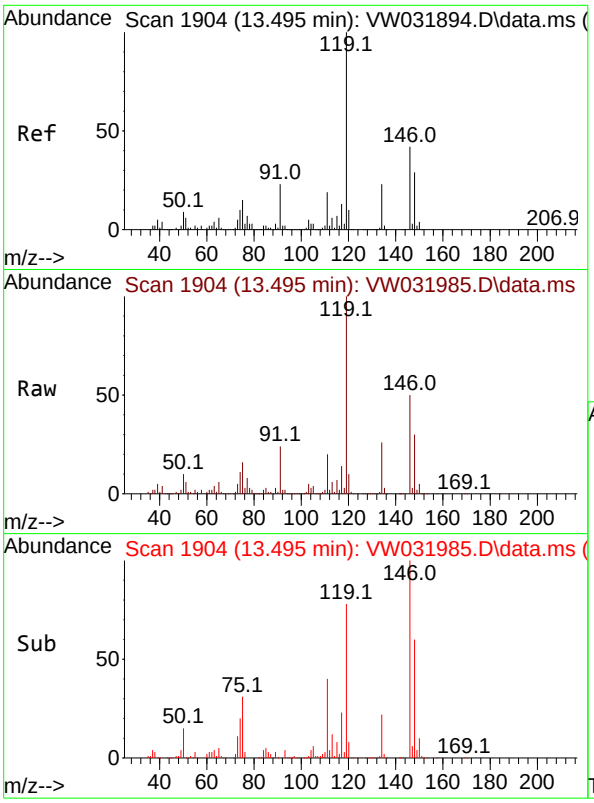


#86
p-Isopropyltoluene
Concen: 47.816 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:119 Resp: 654380

Ion	Ratio	Lower	Upper
119	100		
134	24.7	13.0	39.0
91	23.8	12.7	38.1



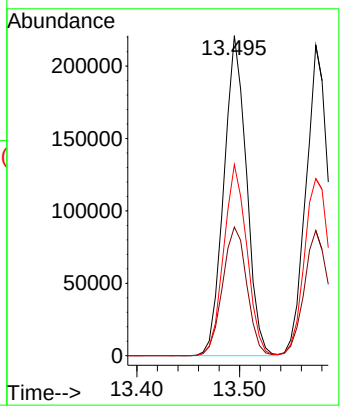


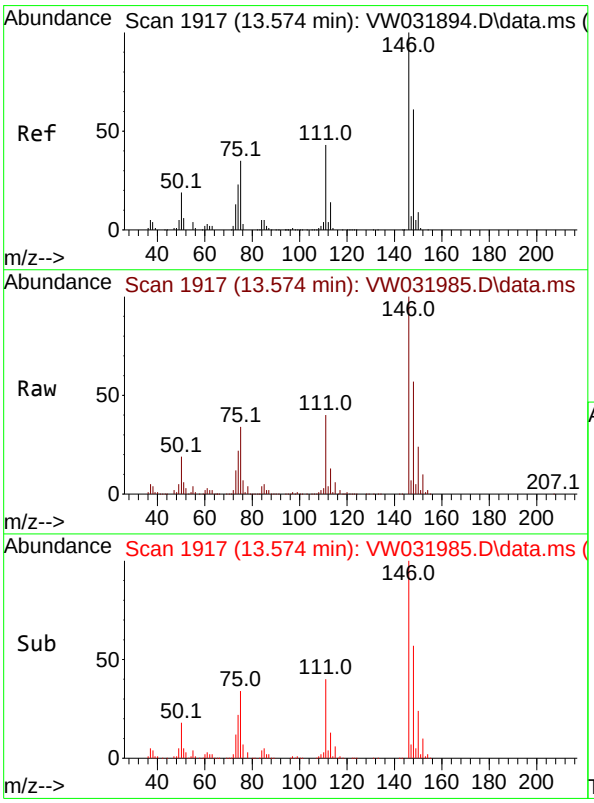
#87
1,3-Dichlorobenzene
Concen: 48.589 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 337742

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	61.1	31.9	95.5

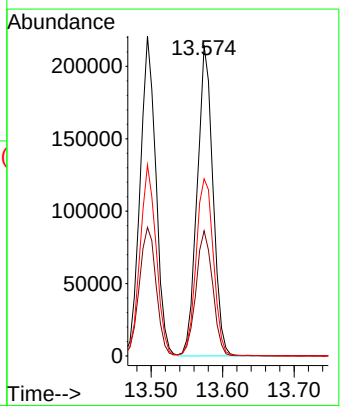


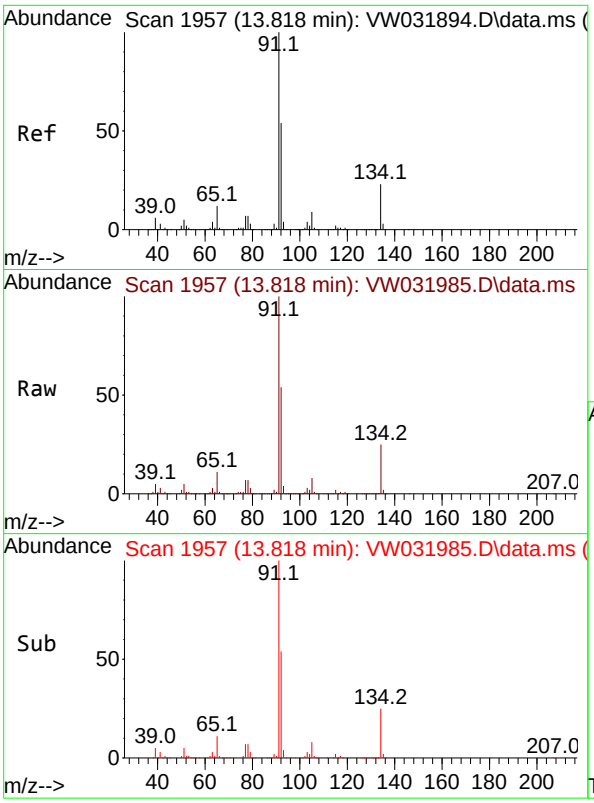


#88
1,4-Dichlorobenzene
Concen: 48.244 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:146 Resp: 328506

Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.1	66.3
148	62.6	31.8	95.3



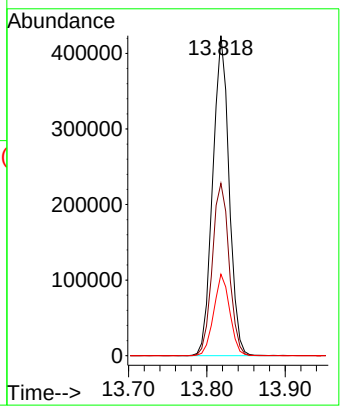


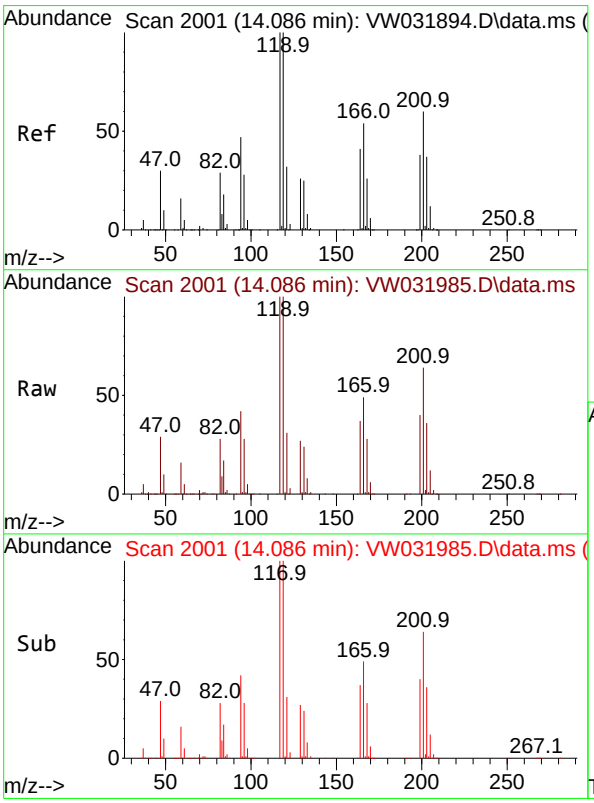
#89
n-Butylbenzene
Concen: 45.780 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 614609

Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.2	81.5
134	24.9	11.6	34.7

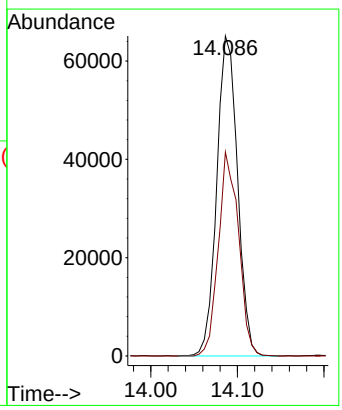


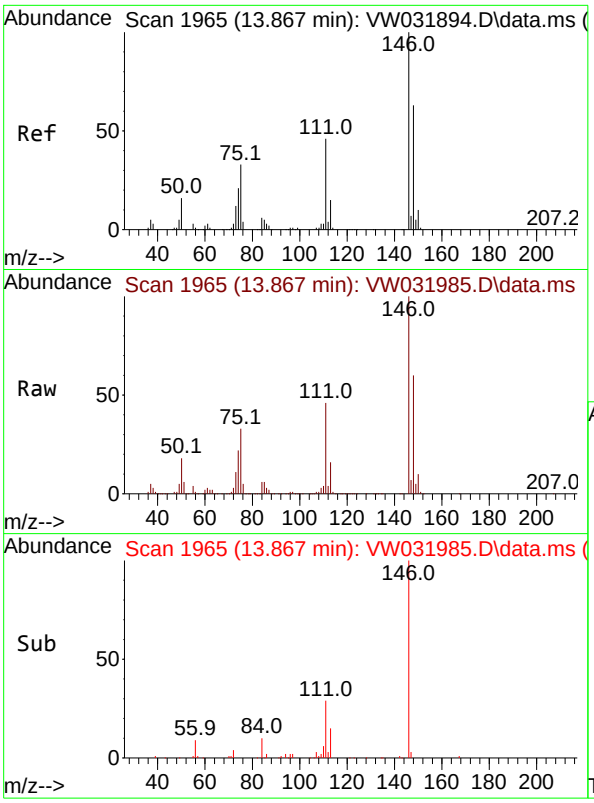


#90
Hexachloroethane
Concen: 45.823 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:117 Resp: 108440

Ion	Ratio	Lower	Upper
117	100		
201	62.1	28.4	85.2



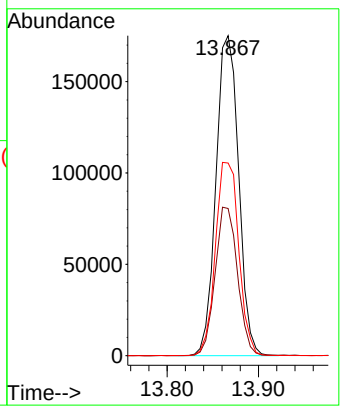


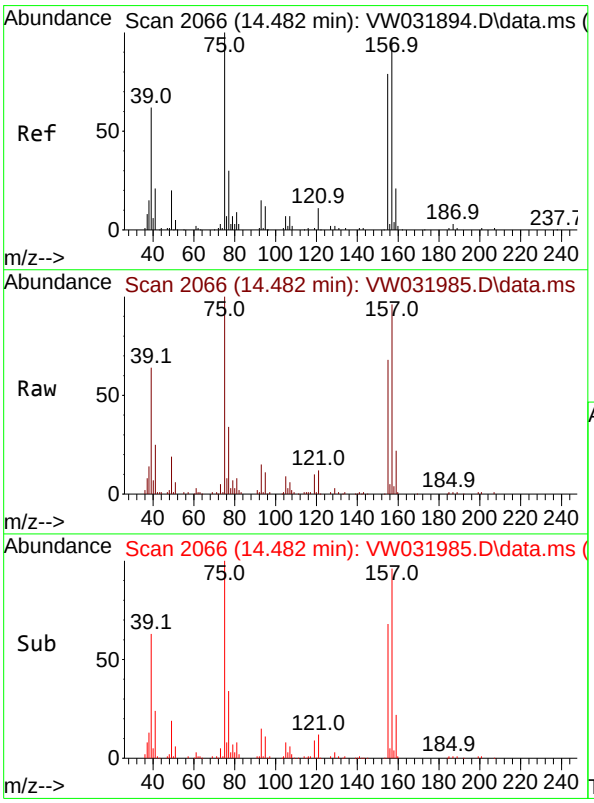
#91
1,2-Dichlorobenzene
Concen: 48.979 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 301718

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.6	71.0
148	62.4	32.4	97.2

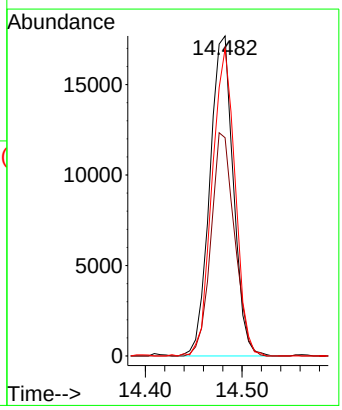


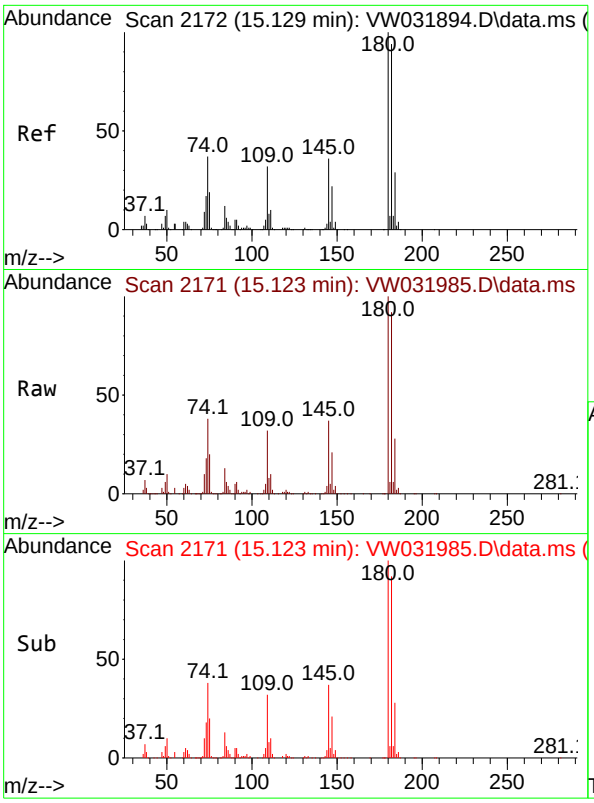


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.583 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion: 75 Resp: 29937

Ion	Ratio	Lower	Upper
75	100		
155	69.7	35.9	107.7
157	93.9	47.4	142.2



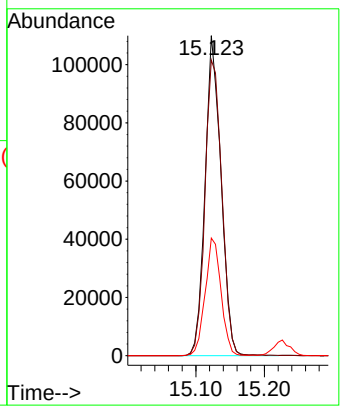


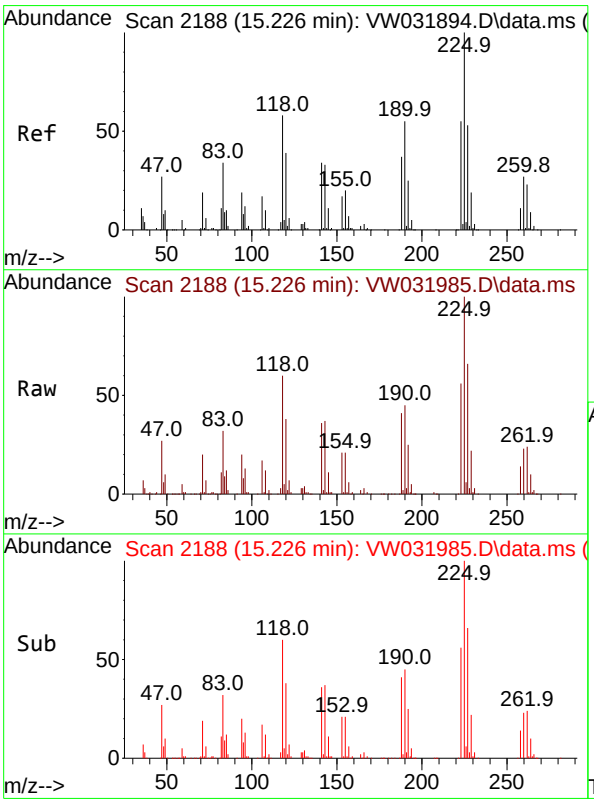
#93
1,2,4-Trichlorobenzene
Concen: 47.847 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 177757

Ion	Ratio	Lower	Upper
180	100		
182	97.9	51.0	153.1
145	36.7	18.4	55.4

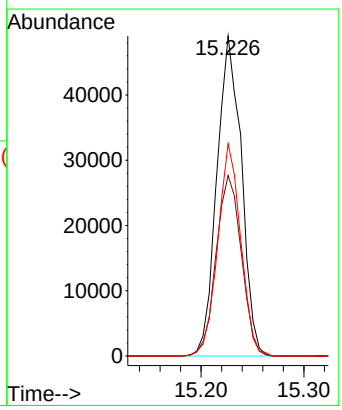


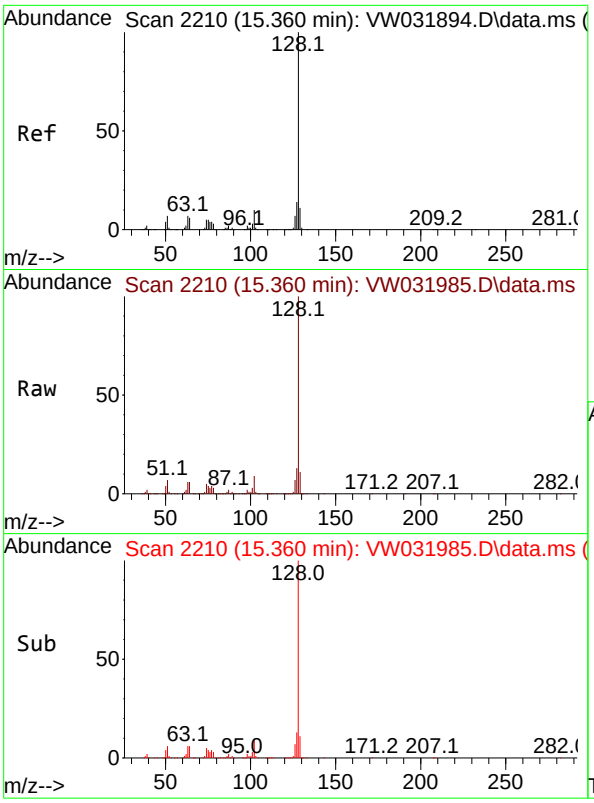


#94
Hexachlorobutadiene
Concen: 46.164 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:225 Resp: 81268

Ion	Ratio	Lower	Upper
225	100		
223	57.8	30.9	92.7
227	62.1	30.0	90.1



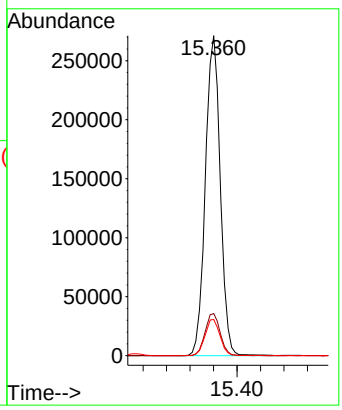


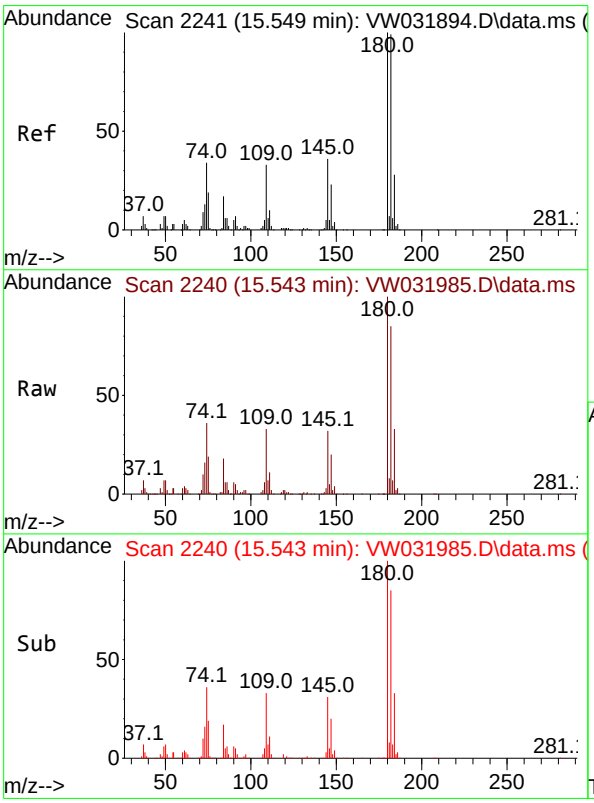
#95
Naphthalene
Concen: 52.274 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 477448

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.4	9.2	13.8

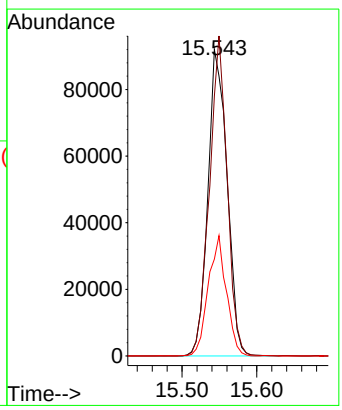




#96
1,2,3-Trichlorobenzene
Concen: 49.060 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031985.D
Acq: 01 Aug 2025 14:57

Tgt Ion:180 Resp: 165137

Ion	Ratio	Lower	Upper
180	100		
182	96.8	50.4	151.2
145	37.1	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	244933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	432425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	389959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	169357	45.708	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 91.420%			
35) Dibromofluoromethane	7.898	113	142737	48.577	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.160%			
50) Toluene-d8	10.325	98	572419	51.473	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.617	95	206626	48.388	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	85662	47.057	ug/l	99
3) Chloromethane	2.253	50	116271	49.763	ug/l	98
4) Vinyl Chloride	2.405	62	144777	47.700	ug/l	98
5) Bromomethane	2.820	94	110024	49.227	ug/l	98
6) Chloroethane	2.966	64	99457	49.649	ug/l	99
7) Trichlorofluoromethane	3.302	101	134184	43.649	ug/l	98
8) Diethyl Ether	3.716	74	97132	47.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	143414	48.501	ug/l	97
10) Methyl Iodide	4.301	142	218134	49.340	ug/l	98
11) Tert butyl alcohol	5.228	59	54985	252.460	ug/l #	85
12) 1,1-Dichloroethene	4.076	96	156905	48.043	ug/l	93
13) Acrolein	3.936	56	16608	46.885	ug/l	97
14) Allyl chloride	4.698	41	245709	48.328	ug/l	99
15) Acrylonitrile	5.399	53	221867	241.666	ug/l	99
16) Acetone	4.167	43	222267	252.797	ug/l	98
17) Carbon Disulfide	4.411	76	434050	51.244	ug/l	99
18) Methyl Acetate	4.710	43	121653	50.222	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	289199	51.249	ug/l	94
20) Methylene Chloride	4.948	84	171869	45.265	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	168346	48.582	ug/l	98
22) Diisopropyl ether	6.338	45	491457	48.308	ug/l	98
23) Vinyl Acetate	6.277	43	1647152	247.825	ug/l	99
24) 1,1-Dichloroethane	6.240	63	305835	48.284	ug/l	99
25) 2-Butanone	7.191	43	297250	247.094	ug/l	97
26) 2,2-Dichloropropane	7.185	77	174317	48.611	ug/l	96
27) cis-1,2-Dichloroethene	7.185	96	199527	48.978	ug/l	99
28) Bromochloromethane	7.527	49	113318	42.729	ug/l	93
29) Tetrahydrofuran	7.551	42	192017	243.457	ug/l	99
30) Chloroform	7.691	83	327064	49.247	ug/l	100
31) Cyclohexane	7.965	56	258034	45.408	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	249005	49.272	ug/l	98
36) 1,1-Dichloropropene	8.093	75	228003	50.527	ug/l	100
37) Ethyl Acetate	7.270	43	124924	48.529	ug/l	99
38) Carbon Tetrachloride	8.081	117	221044	51.041	ug/l	92
39) Methylcyclohexane	9.343	83	293104	51.613	ug/l	94
40) Benzene	8.331	78	684237	51.223	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76296	49.512	ug/l		94
42) 1,2-Dichloroethane	8.410	62	212996	49.822	ug/l		98
43) Isopropyl Acetate	8.429	43	239547	51.403	ug/l		100
44) Trichloroethene	9.099	130	159542	50.248	ug/l		93
45) 1,2-Dichloropropane	9.374	63	165234	51.362	ug/l		98
46) Dibromomethane	9.465	93	103723	52.012	ug/l		100
47) Bromodichloromethane	9.648	83	249276	52.128	ug/l		96
48) Methyl methacrylate	9.441	41	115079	51.905	ug/l		98
49) 1,4-Dioxane	9.465	88	23290	1170.411	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.209	43	667922	261.891	ug/l		99
52) Toluene	10.392	92	448483	52.228	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	242170	52.793	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	274111	52.326	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	138672	52.349	ug/l		94
56) Ethyl methacrylate	10.648	69	203738	54.458	ug/l		96
57) 1,3-Dichloropropane	10.934	76	237448	50.881	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	272577	141.845	ug/l		100
59) 2-Hexanone	10.965	43	468504	264.279	ug/l		100
60) Dibromochloromethane	11.130	129	169737	54.958	ug/l		98
61) 1,2-Dibromoethane	11.233	107	134149	51.251	ug/l		97
64) Tetrachloroethene	10.861	164	134128	52.168	ug/l		91
65) Chlorobenzene	11.654	112	477060	49.985	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.727	131	153442	51.860	ug/l		99
67) Ethyl Benzene	11.727	91	843440	50.298	ug/l		99
68) m/p-Xylenes	11.837	106	648083	102.663	ug/l		95
69) o-Xylene	12.160	106	308857	51.699	ug/l		97
70) Styrene	12.178	104	521701	51.290	ug/l		99
71) Bromoform	12.349	173	88239	54.531	ug/l	#	100
73) Isopropylbenzene	12.459	105	780087	51.943	ug/l		98
74) N-amyl acetate	12.270	43	219672	54.105	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	168340	52.808	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	215676	90.251	ug/l	#	100
77) Bromobenzene	12.745	156	172345	53.039	ug/l		95
78) n-propylbenzene	12.800	91	967893	52.475	ug/l		100
79) 2-Chlorotoluene	12.885	91	571368	51.882	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	650913	51.678	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	57736	55.779	ug/l		94
82) 4-Chlorotoluene	12.983	91	594724	51.476	ug/l		100
83) tert-Butylbenzene	13.202	119	565841	52.740	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	663285	52.028	ug/l		99
85) sec-Butylbenzene	13.379	105	826119	51.273	ug/l		97
86) p-Isopropyltoluene	13.495	119	668872	50.226	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	352709	52.145	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	351606	53.064	ug/l		98
89) n-Butylbenzene	13.818	91	680026	52.053	ug/l		99
90) Hexachloroethane	14.086	117	122385	53.146	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	305187	50.911	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30095	52.255	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	187968	51.994	ug/l		96
94) Hexachlorobutadiene	15.226	225	92557	54.030	ug/l		96
95) Naphthalene	15.354	128	475796	53.533	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	172628	52.703	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

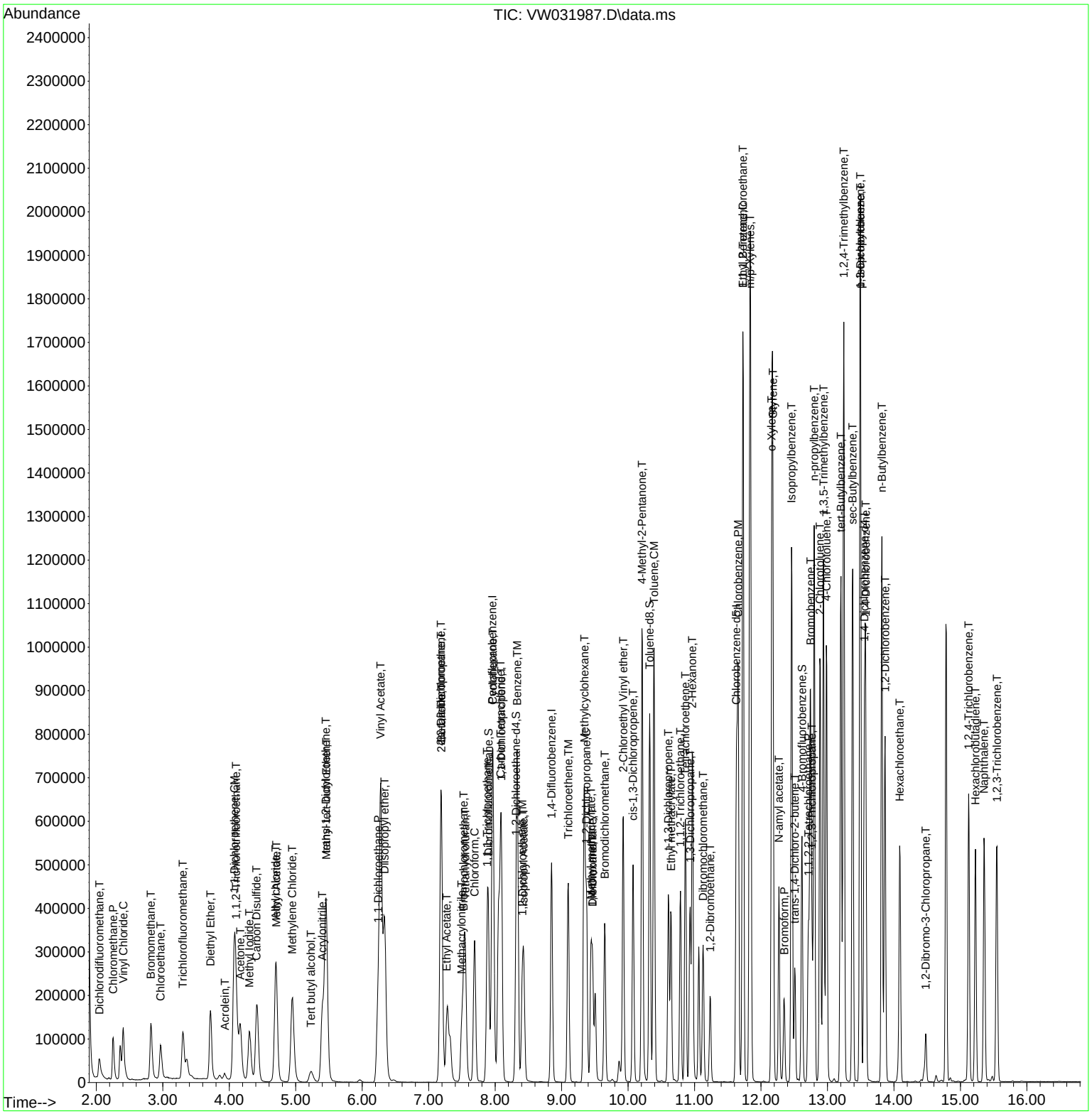
(#) = qualifier out of range (m) = manual integration (+) = signals summed

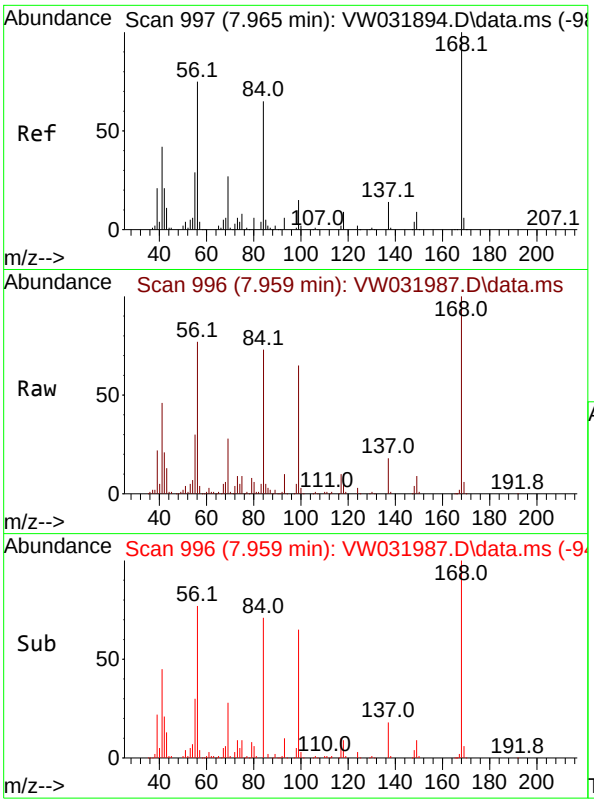
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031987.D
Acq On : 04 Aug 2025 09:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Aug 05 01:12:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



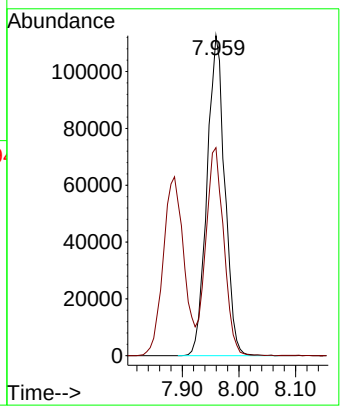


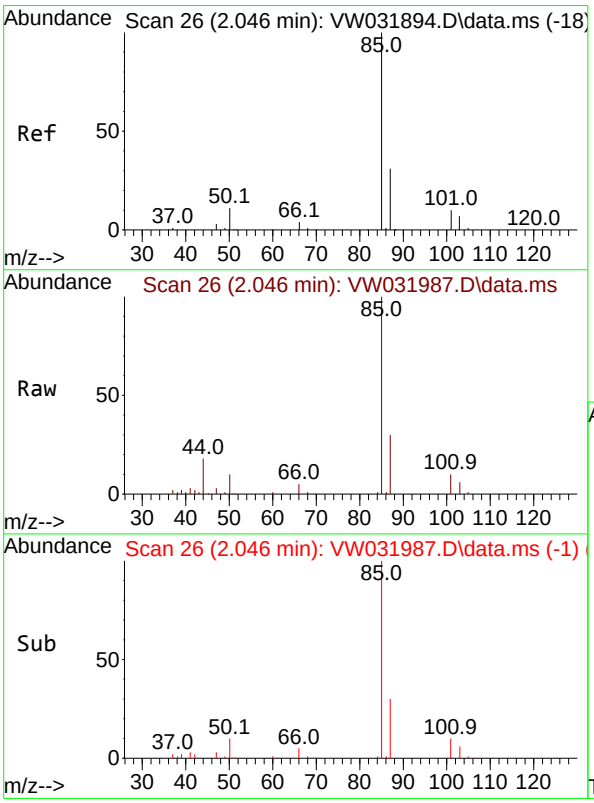
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 244933

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.2

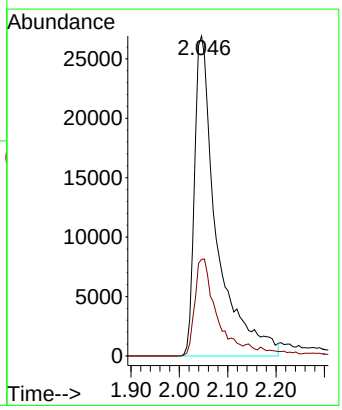


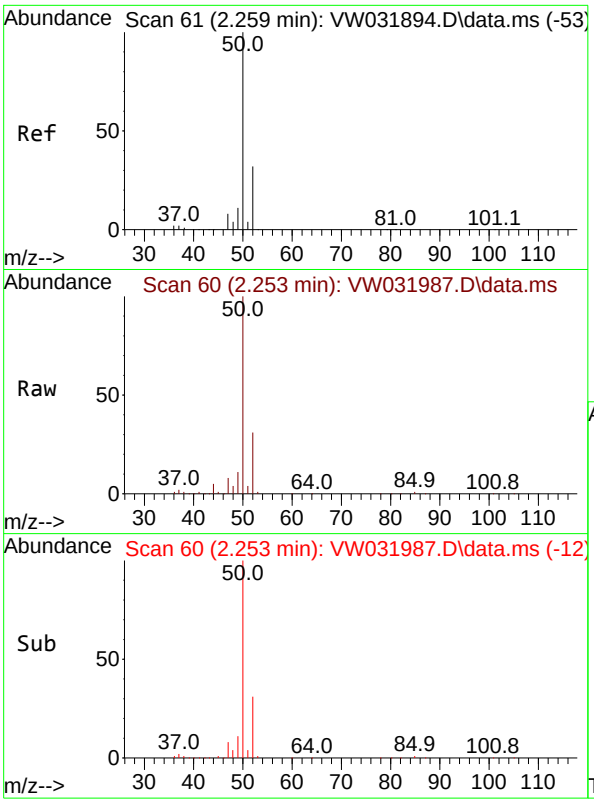


#2
Dichlorodifluoromethane
Concen: 47.057 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 85 Resp: 85662

Ion	Ratio	Lower	Upper
85	100		
87	30.2	15.5	46.5



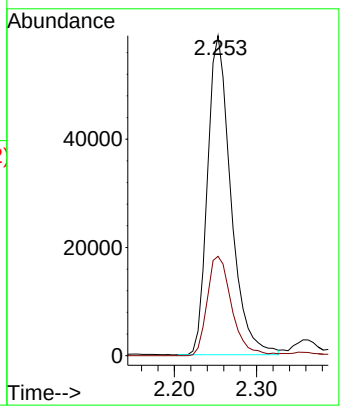


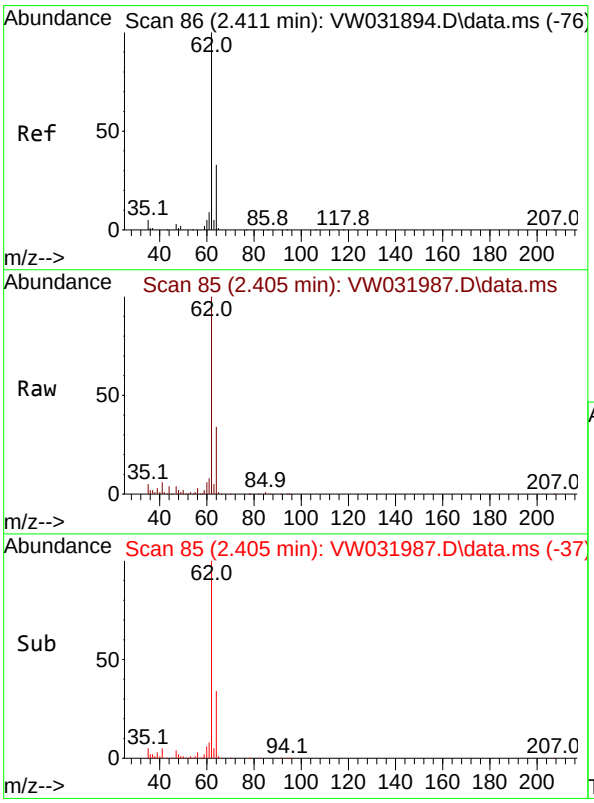
#3
Chloromethane
Concen: 49.763 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 116271

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.7	38.5

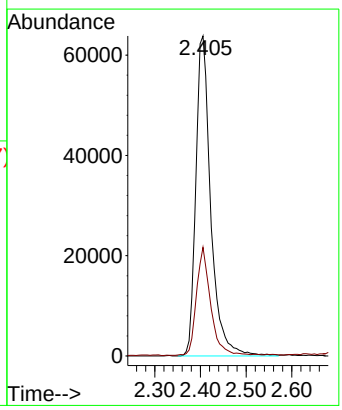


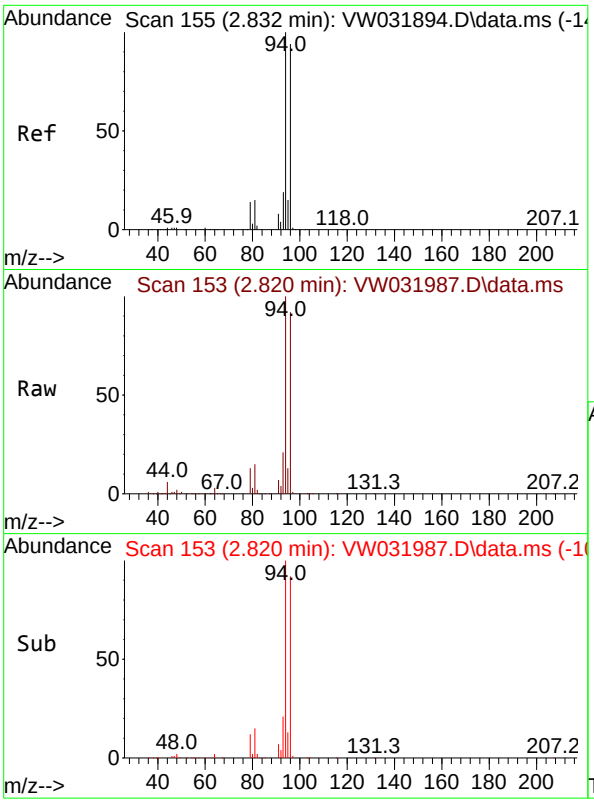


#4
Vinyl Chloride
Concen: 47.700 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 62 Resp: 144777

Ion	Ratio	Lower	Upper
62	100		
64	33.7	26.2	39.2



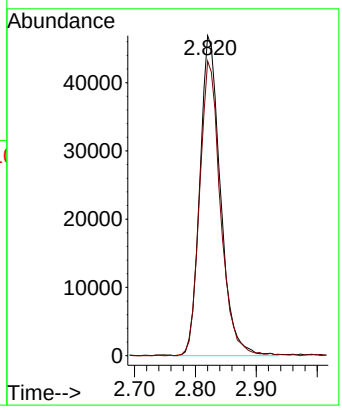


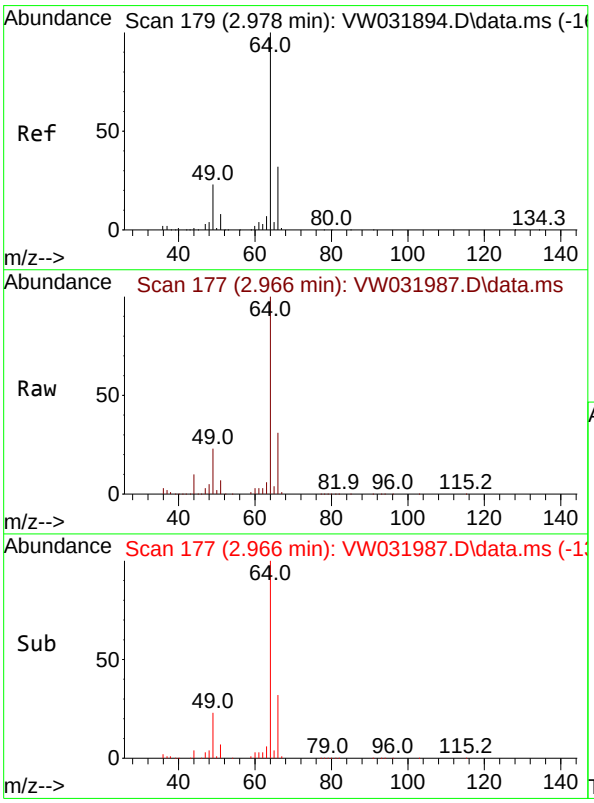
#5
Bromomethane
Concen: 49.227 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 110024

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.0	112.6

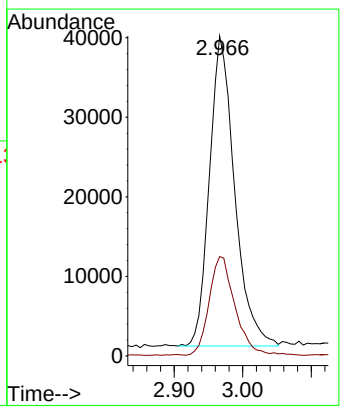


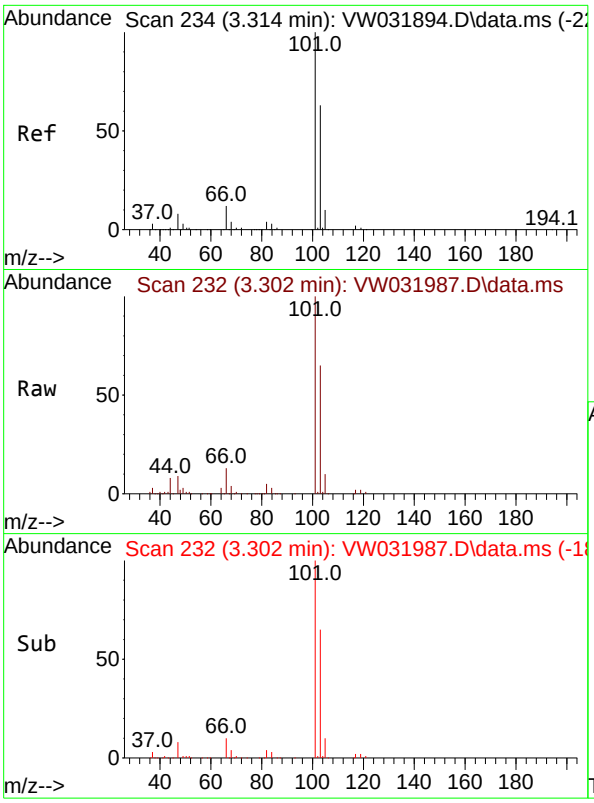


#6
Chloroethane
Concen: 49.649 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 64 Resp: 99457

Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.6	38.4



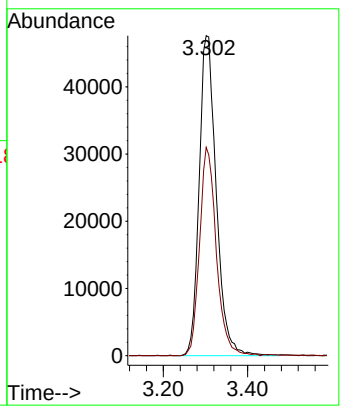


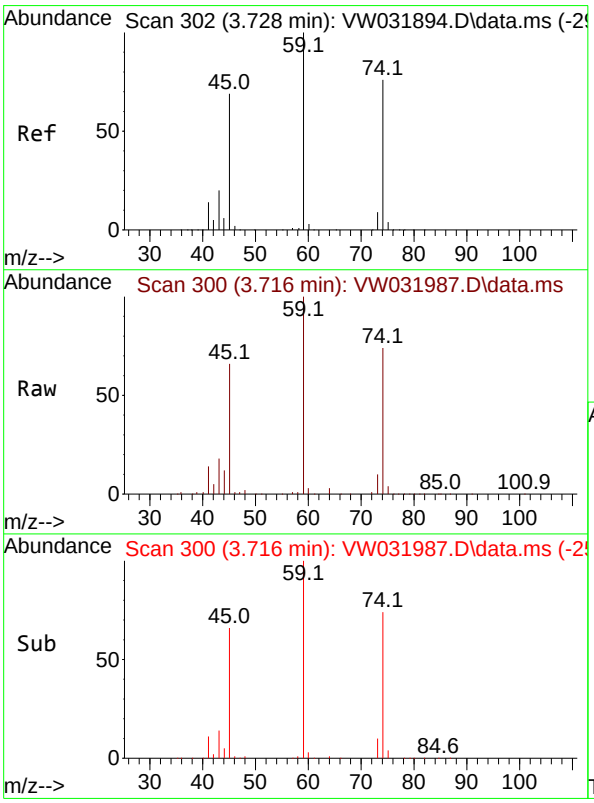
#7
Trichlorofluoromethane
Concen: 43.649 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 134184

Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.7	76.1

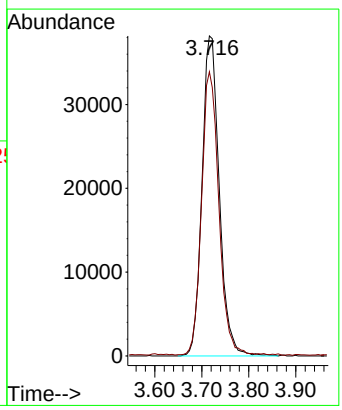


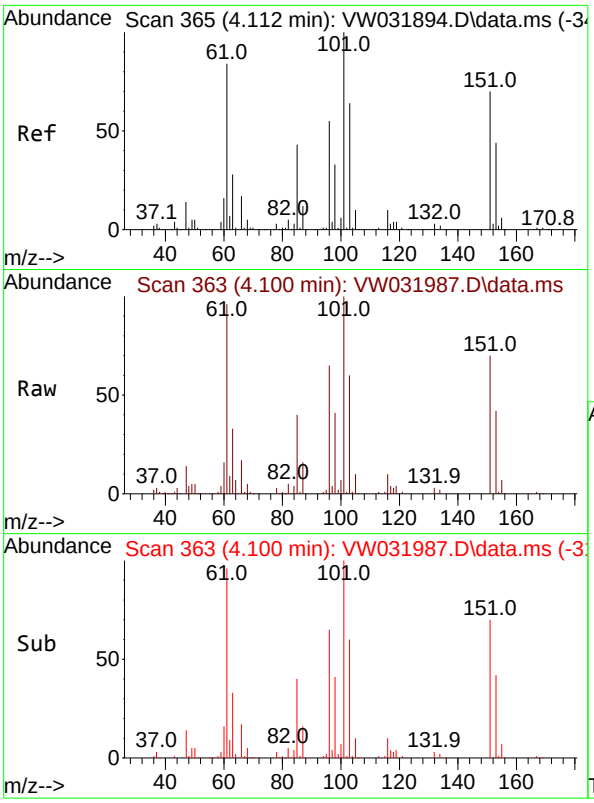


#8
Diethyl Ether
Concen: 47.301 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 74 Resp: 97132

Ion	Ratio	Lower	Upper
74	100		
45	88.3	45.5	136.5



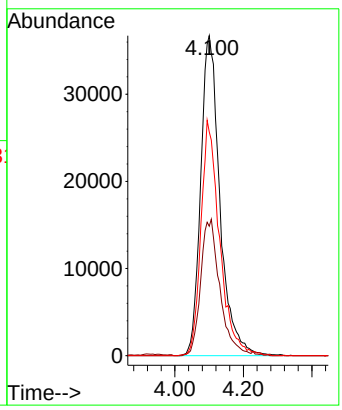


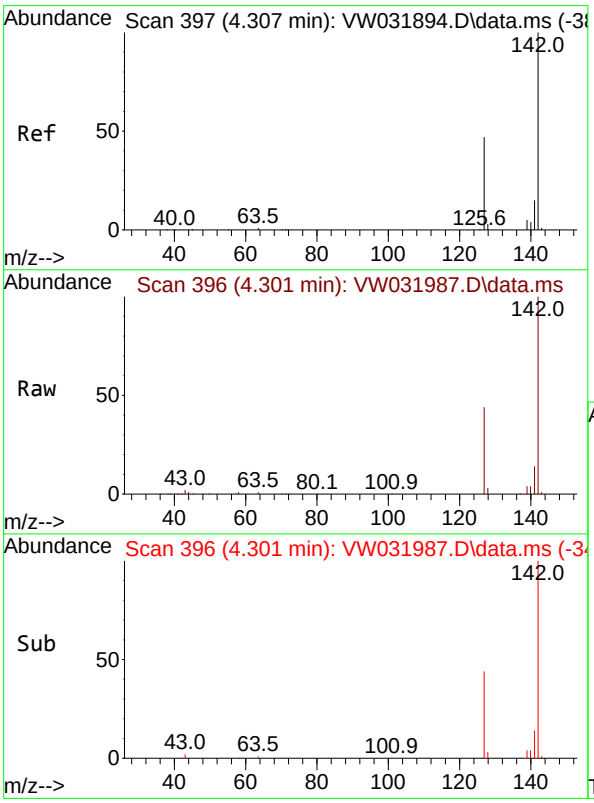
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.501 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 143414

Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.5	53.3
151	71.4	54.6	81.8

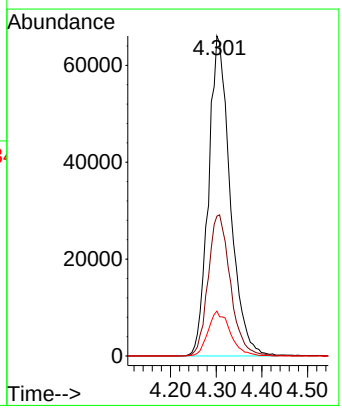


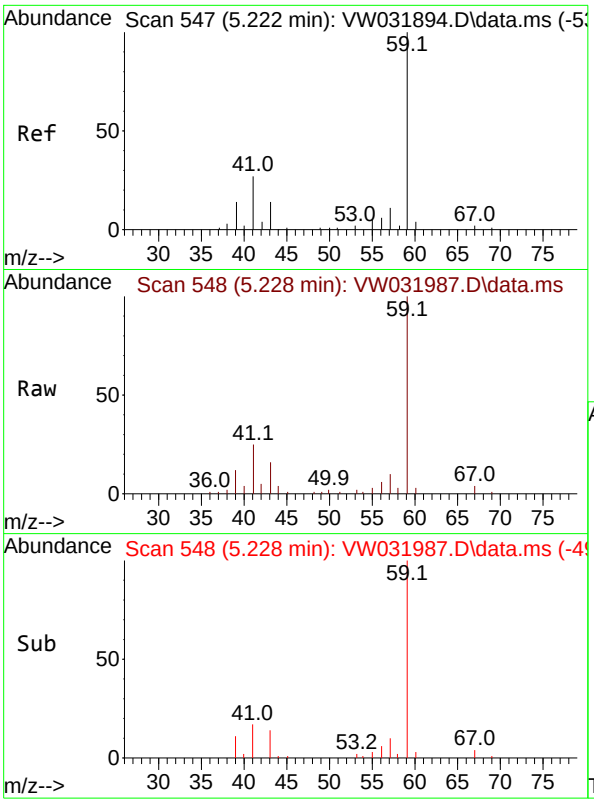


#10
Methyl Iodide
Concen: 49.340 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:142 Resp: 218134

Ion	Ratio	Lower	Upper
142	100		
127	45.1	37.4	56.2
141	14.3	11.9	17.9



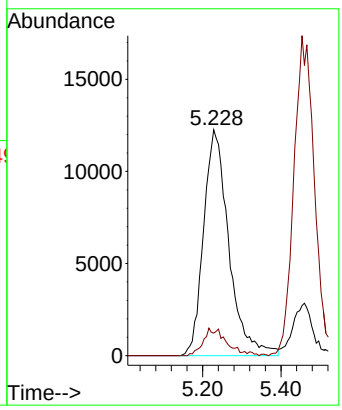


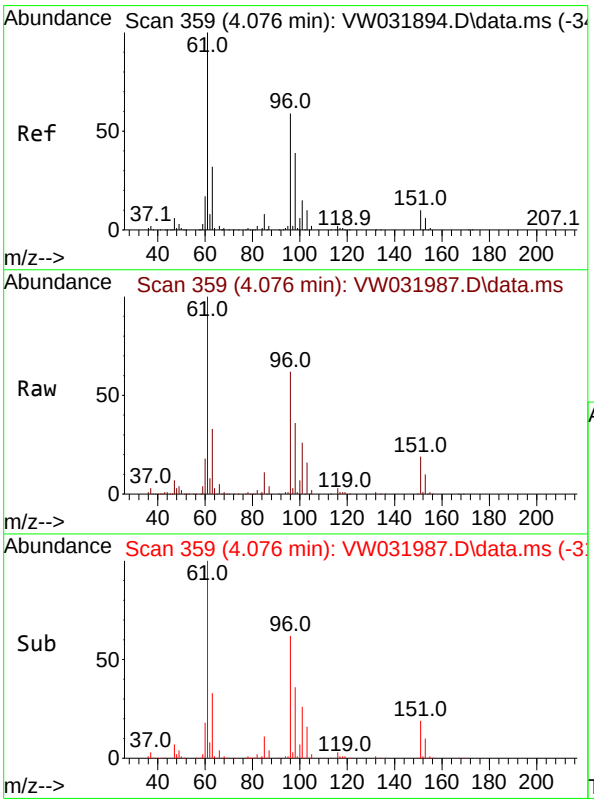
#11
Tert butyl alcohol
Concen: 252.460 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 54985

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.6	12.8#

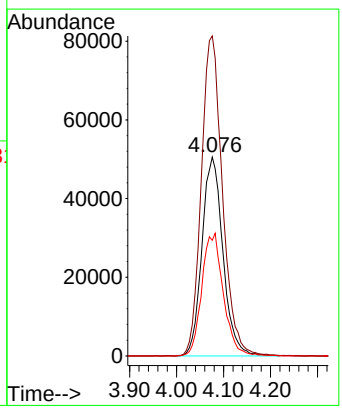


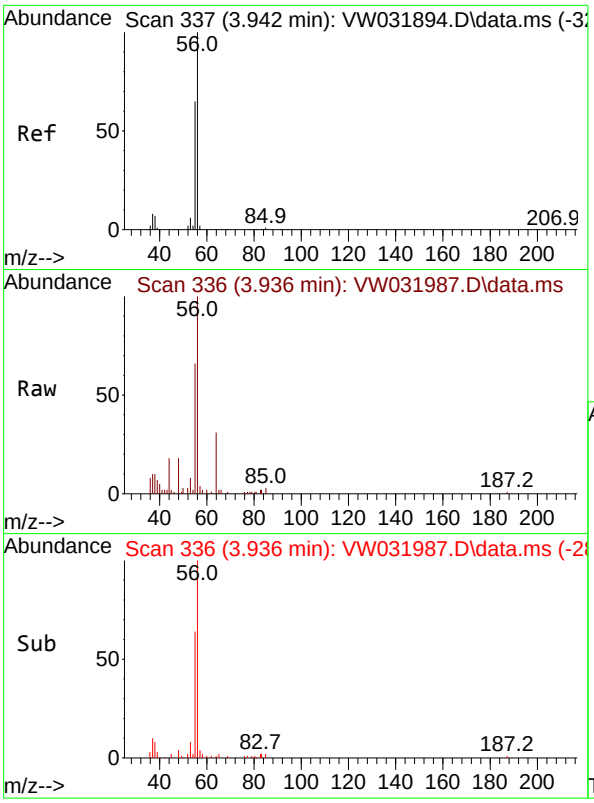


#12
1,1-Dichloroethene
Concen: 48.043 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 96 Resp: 156905

Ion	Ratio	Lower	Upper
96	100		
61	160.7	135.0	202.6
98	58.0	52.3	78.5



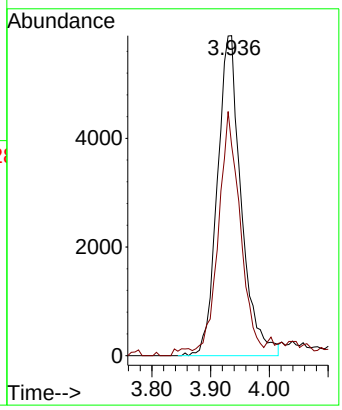


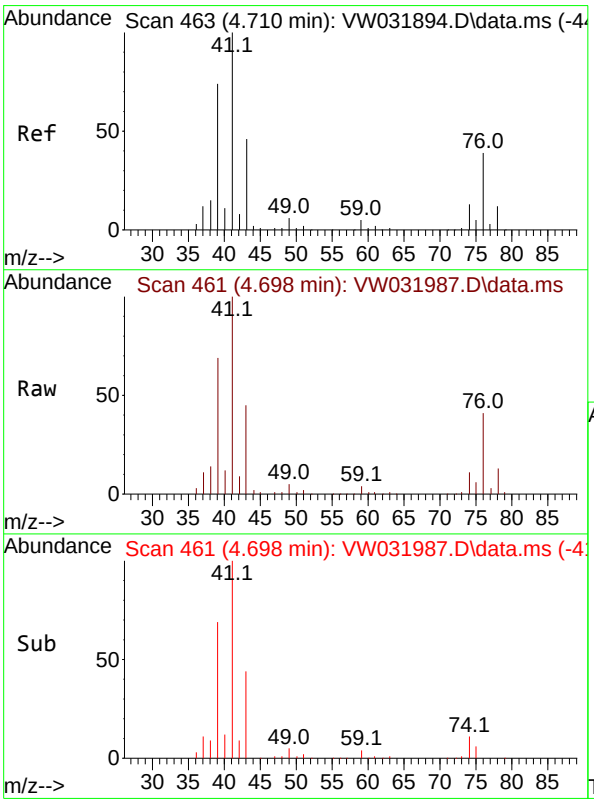
#13
Acrolein
Concen: 46.885 ug/l
RT: 3.936 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 16608

Ion	Ratio	Lower	Upper
56	100		
55	68.4	56.7	85.1

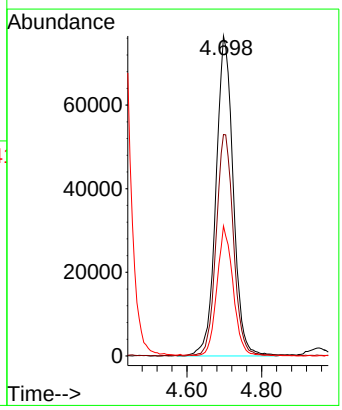


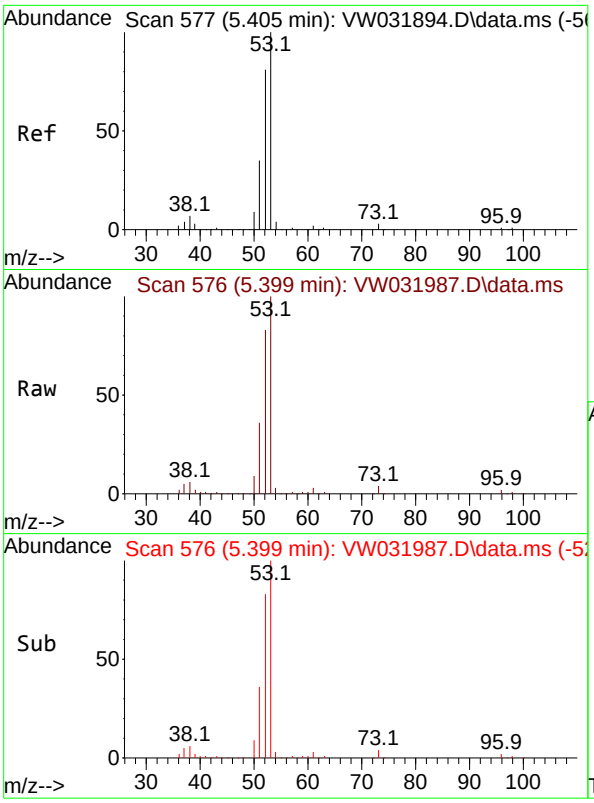


#14
Allyl chloride
Concen: 48.328 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 41 Resp: 245709

Ion	Ratio	Lower	Upper
41	100		
39	69.6	56.6	85.0
76	37.9	30.1	45.1



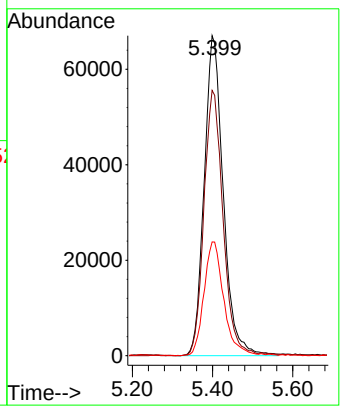


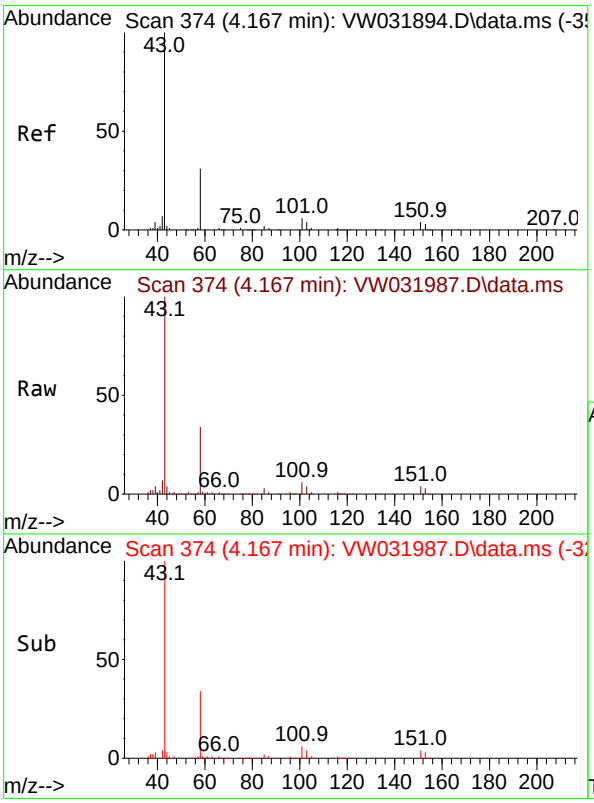
#15
Acrylonitrile
Concen: 241.666 ug/l
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 221867

Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	36.9	29.9	44.9

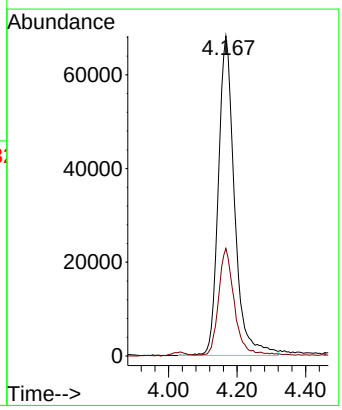


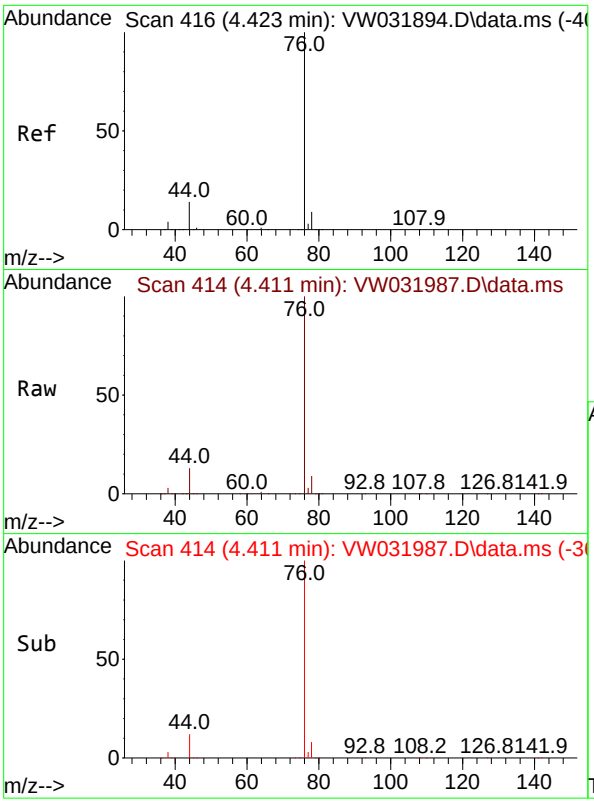


#16
Acetone
Concen: 252.797 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 222267

Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.5	38.3



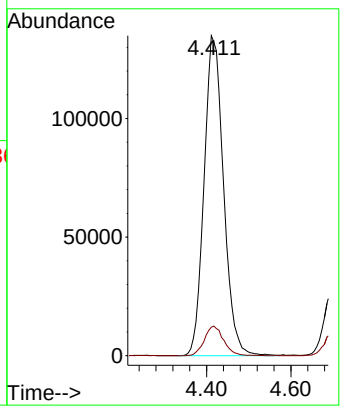


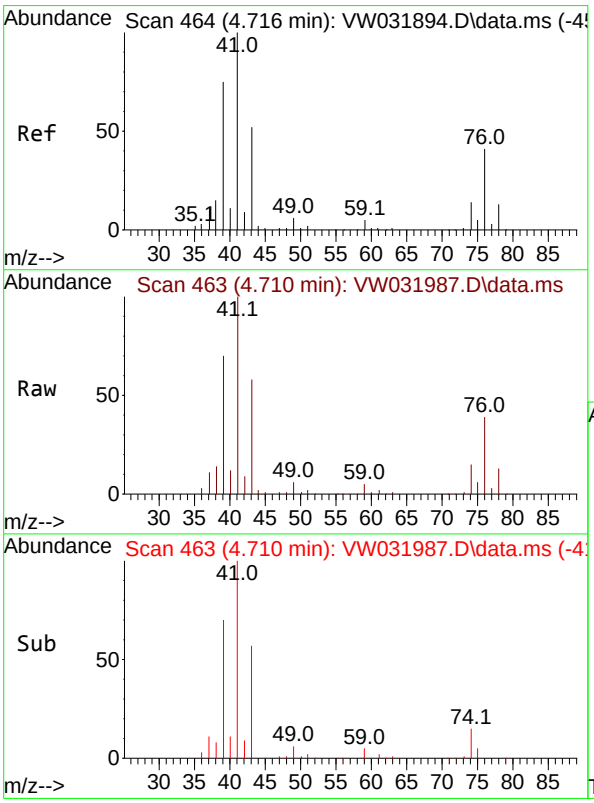
#17
Carbon Disulfide
Concen: 51.244 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 434050

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

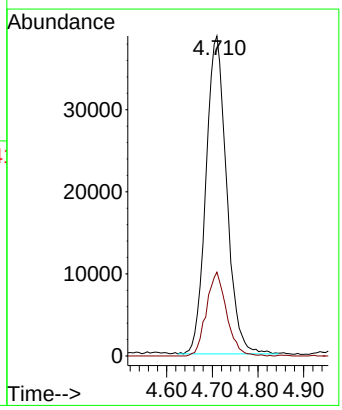


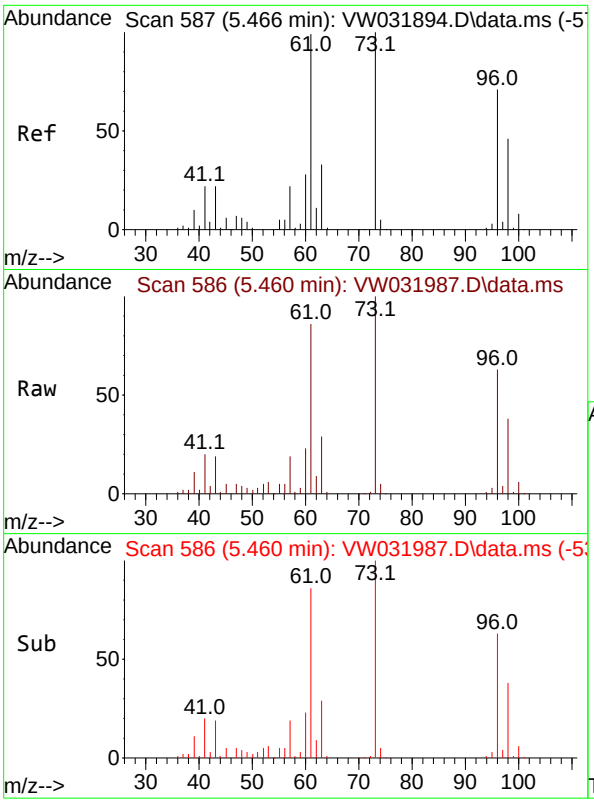


#18
Methyl Acetate
Concen: 50.222 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 121653

Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.6	31.0



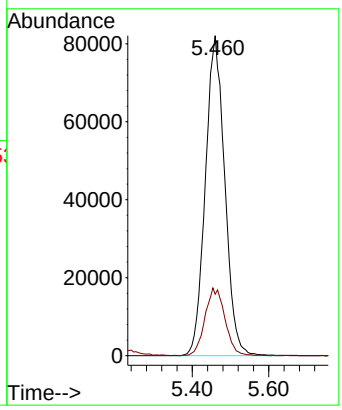


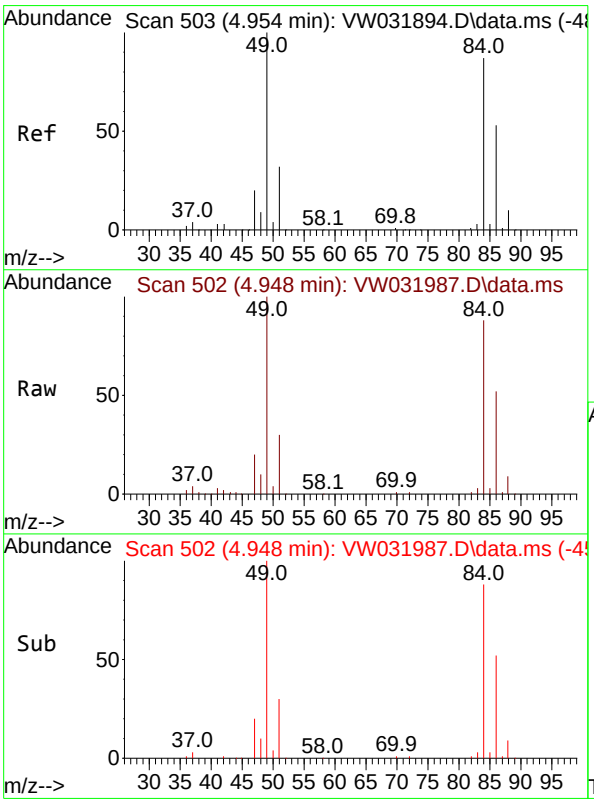
#19
Methyl tert-butyl Ether
Concen: 51.249 ug/l
RT: 5.460 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 289199

Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.5	26.3

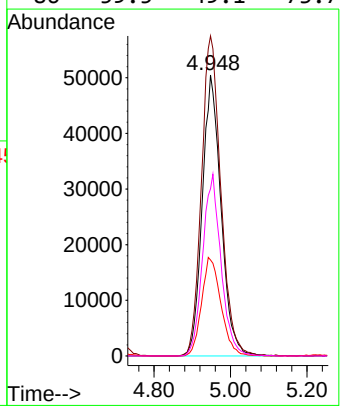


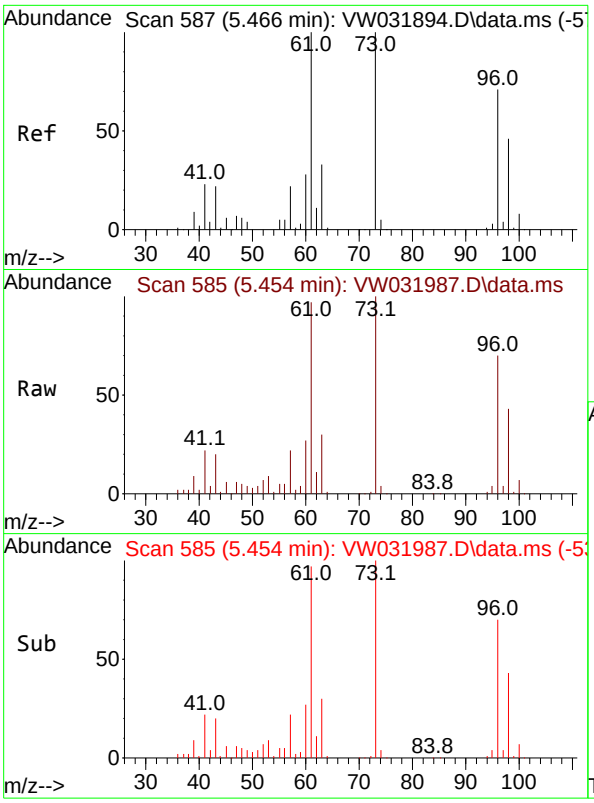


#20
Methylene Chloride
Concen: 45.265 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 84 Resp: 171869

Ion	Ratio	Lower	Upper
84	100		
49	113.9	91.9	137.9
51	34.2	29.0	43.6
86	59.5	49.1	73.7



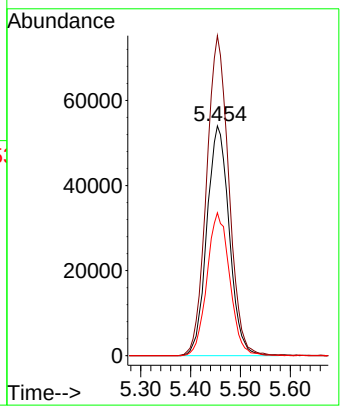


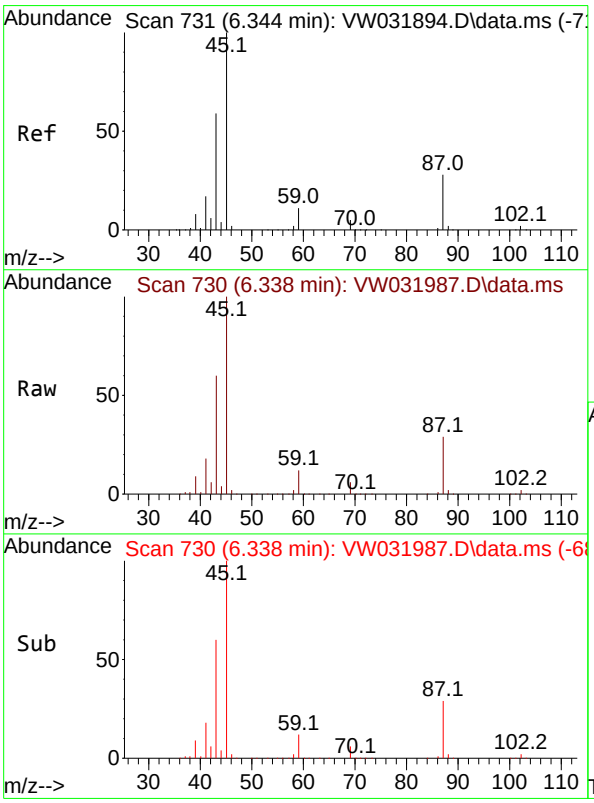
#21
trans-1,2-Dichloroethene
Concen: 48.582 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 168346

Ion	Ratio	Lower	Upper
96	100		
61	139.3	112.8	169.2
98	62.2	51.9	77.9

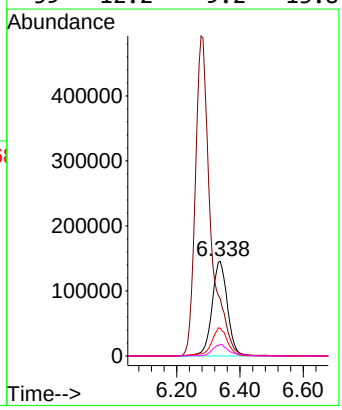


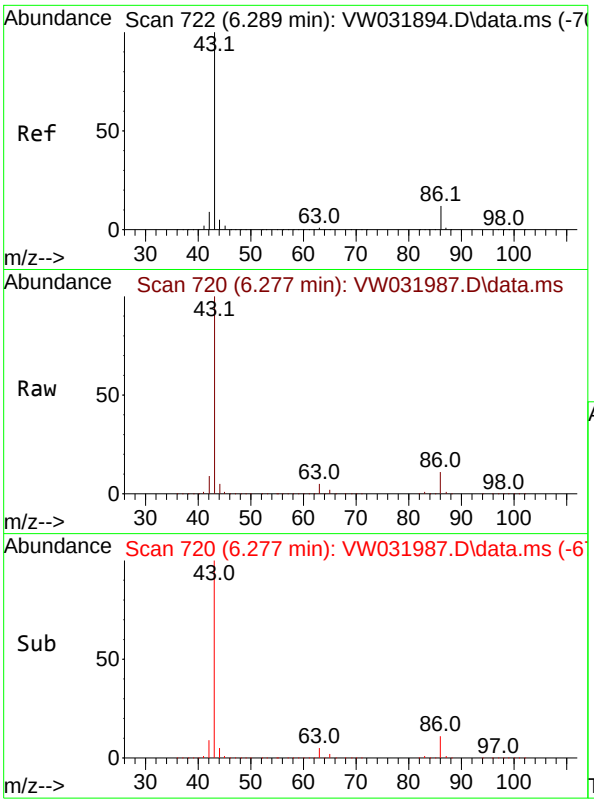


#22
Diisopropyl ether
Concen: 48.308 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 45 Resp: 491457

Ion	Ratio	Lower	Upper
45	100		
43	60.4	47.0	70.6
87	29.3	22.8	34.2
59	12.2	9.2	13.8



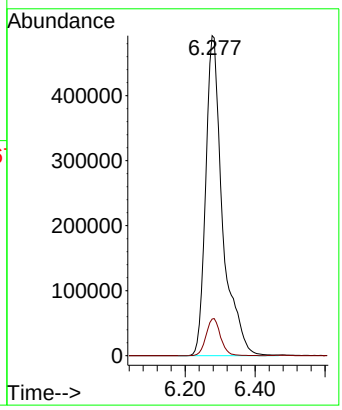


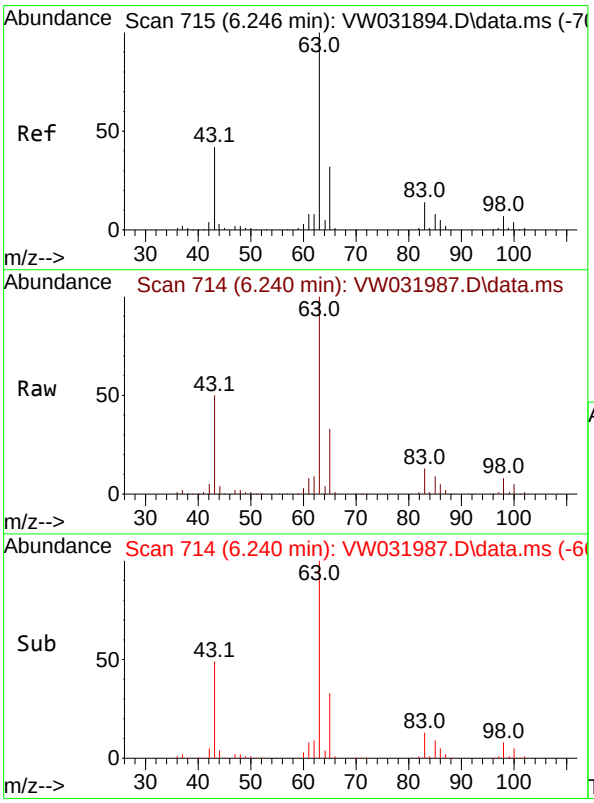
#23
Vinyl Acetate
Concen: 247.825 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.012 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1647152

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.2

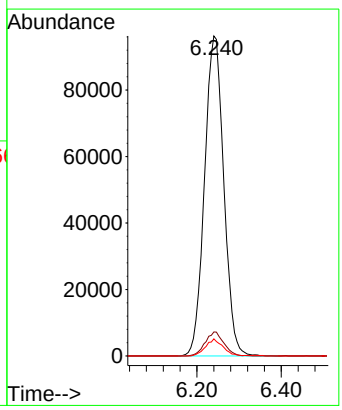


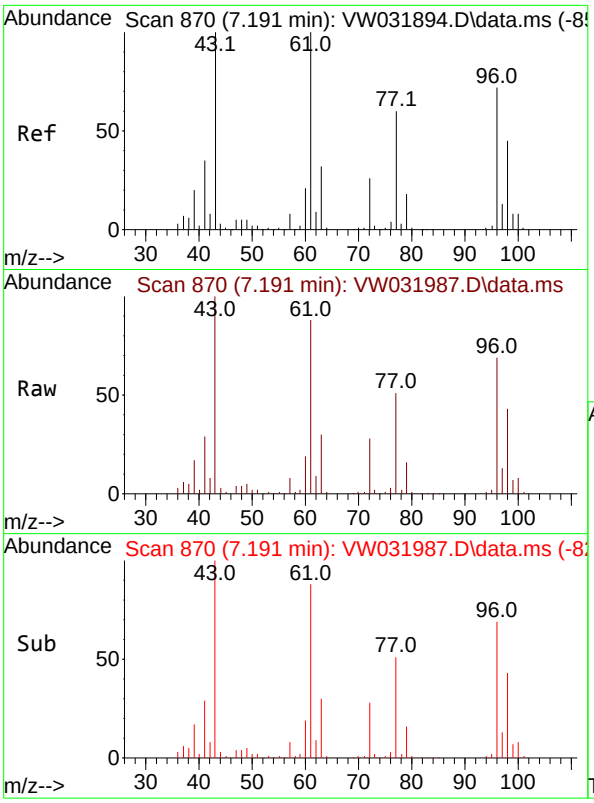


#24
1,1-Dichloroethane
Concen: 48.284 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 63 Resp: 305835

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.9
100	5.3	2.2	6.6



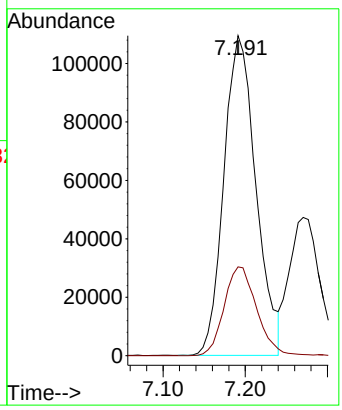


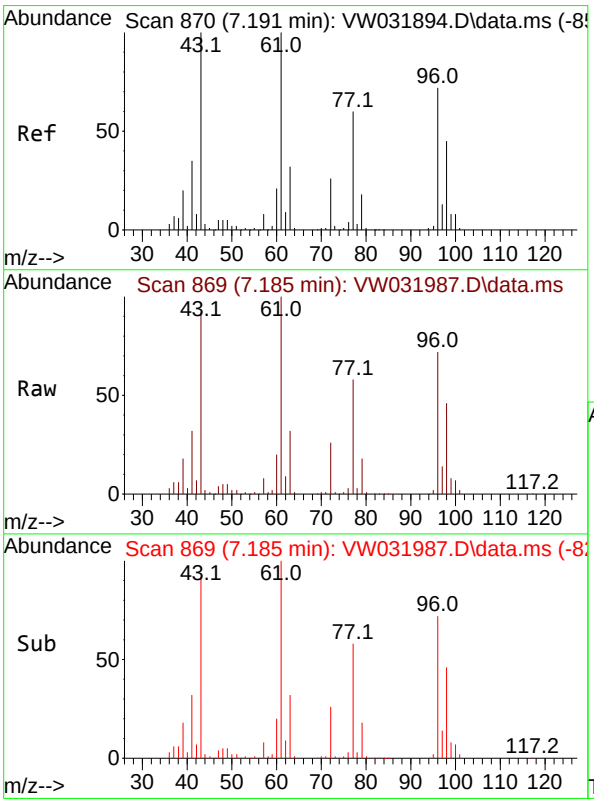
#25
2-Butanone
Concen: 247.094 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 297250

Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.8	31.2

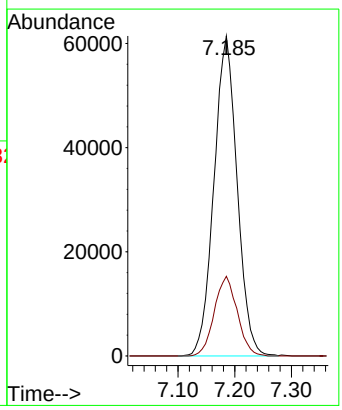


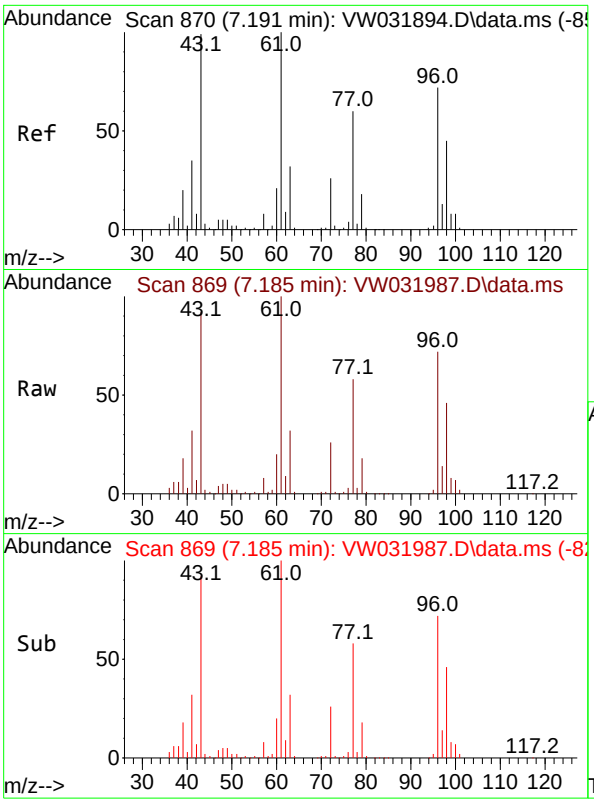


#26
2,2-Dichloropropane
Concen: 48.611 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 77 Resp: 174317

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.4	34.1



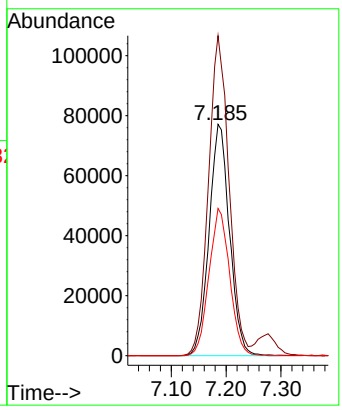


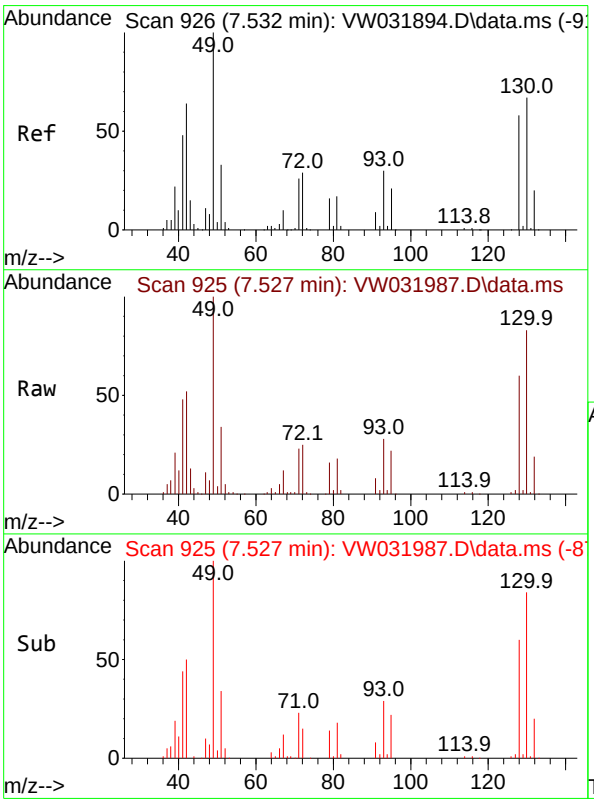
#27
cis-1,2-Dichloroethene
Concen: 48.978 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 199527

Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	280.2
98	64.3	0.0	126.8

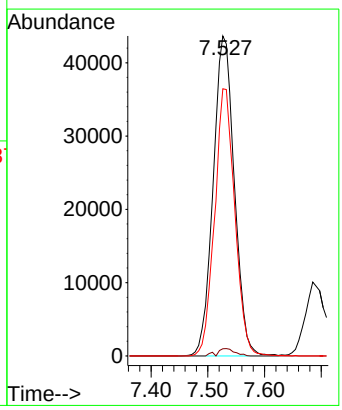


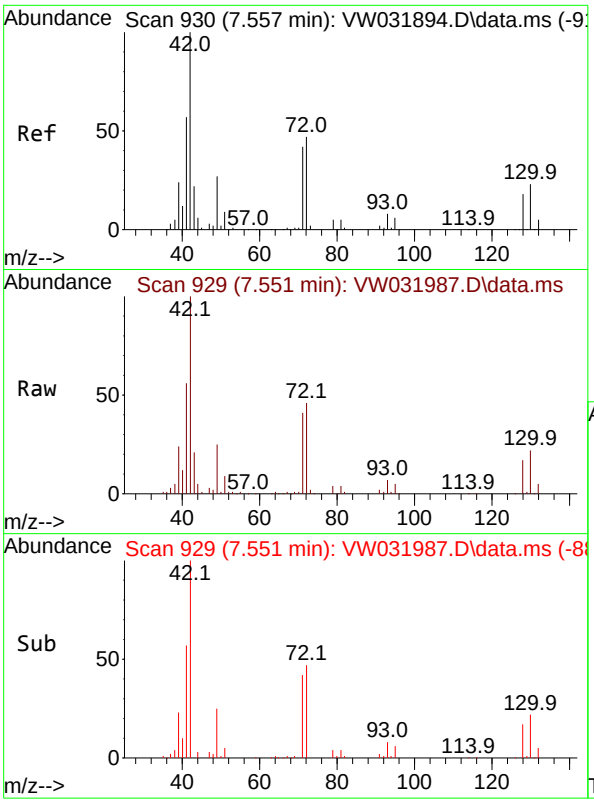


#28
Bromochloromethane
Concen: 42.729 ug/l
RT: 7.527 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 49 Resp: 113318

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	79.6	59.0	88.4



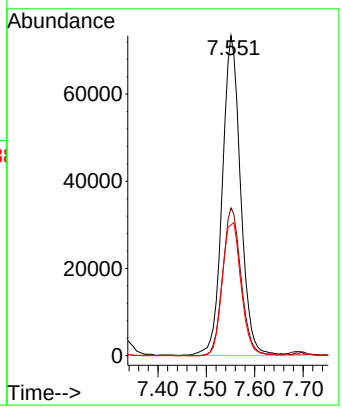


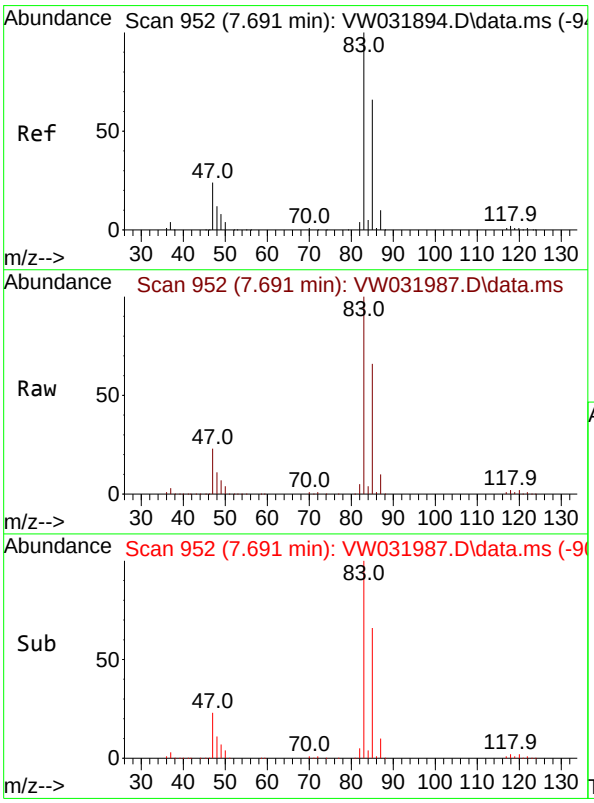
#29
Tetrahydrofuran
Concen: 243.457 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192017

Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.6
71	43.2	34.5	51.7

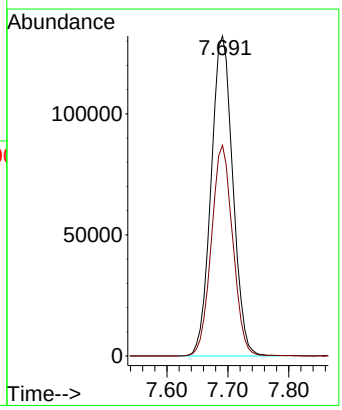


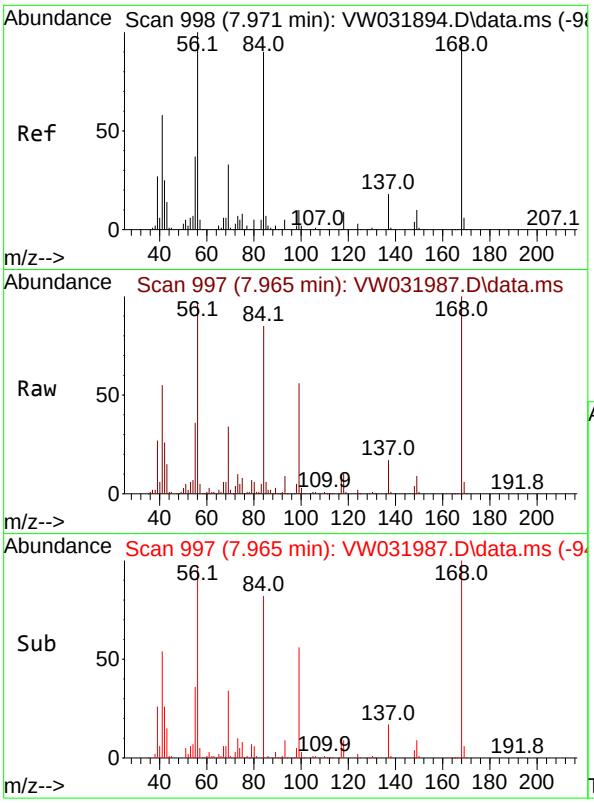


#30
Chloroform
Concen: 49.247 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 83 Resp: 327064

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8



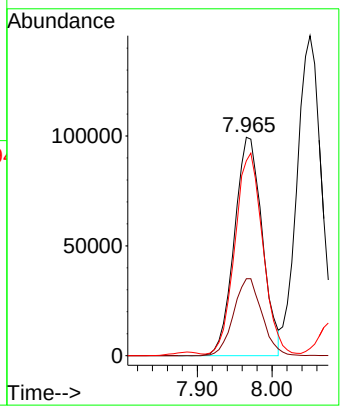


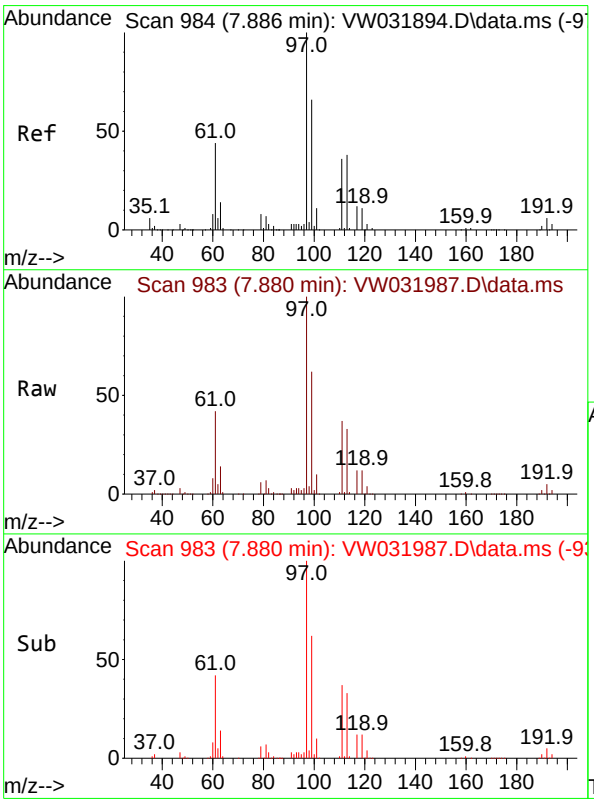
#31
Cyclohexane
Concen: 45.408 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 258034

Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.7	40.1
84	87.9	71.8	107.6

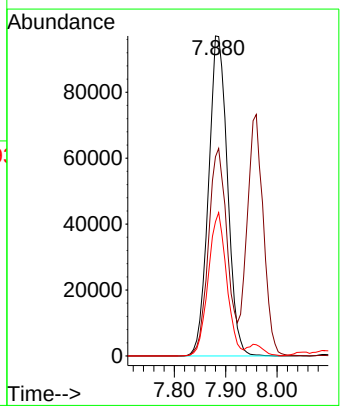


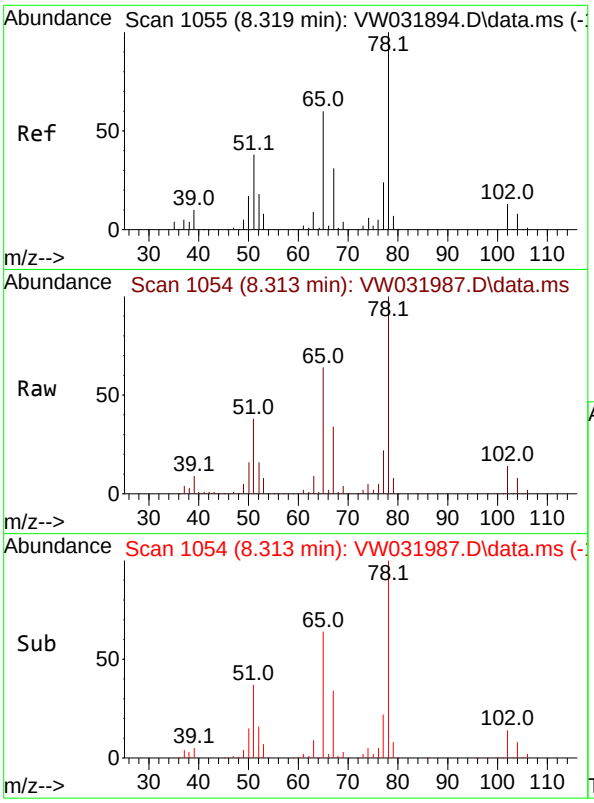


#32
1,1,1-Trichloroethane
Concen: 49.272 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 97 Resp: 249005

Ion	Ratio	Lower	Upper
97	100		
99	64.2	53.0	79.4
61	43.8	35.4	53.0



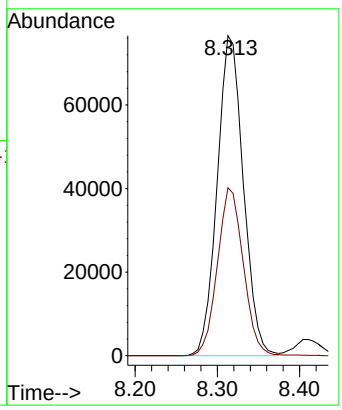


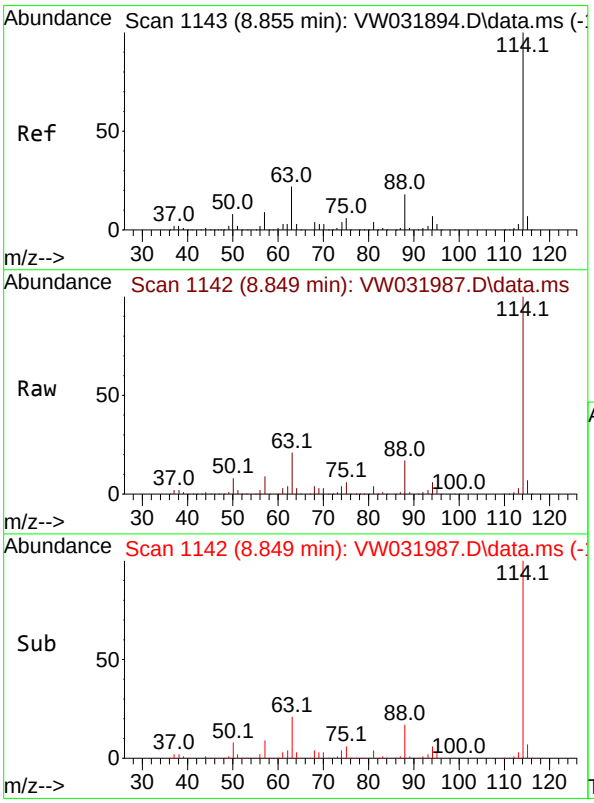
#33
1,2-Dichloroethane-d4
Concen: 45.708 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 169357

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	101.4

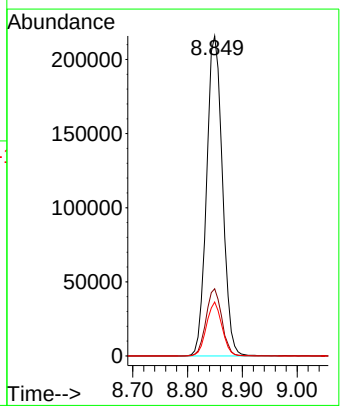


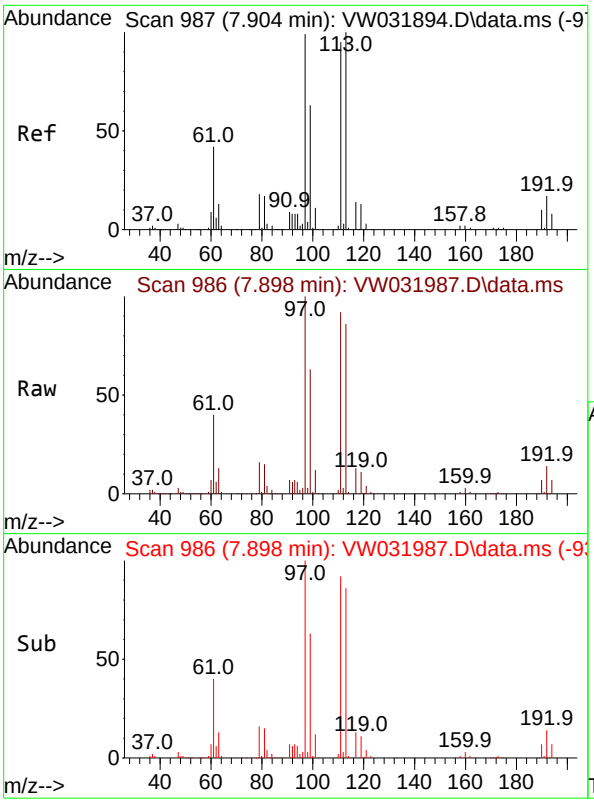


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:114 Resp: 432425

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	16.9	0.0	35.6



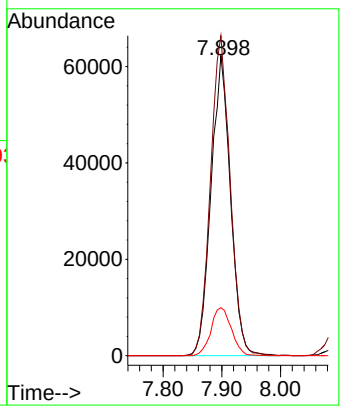


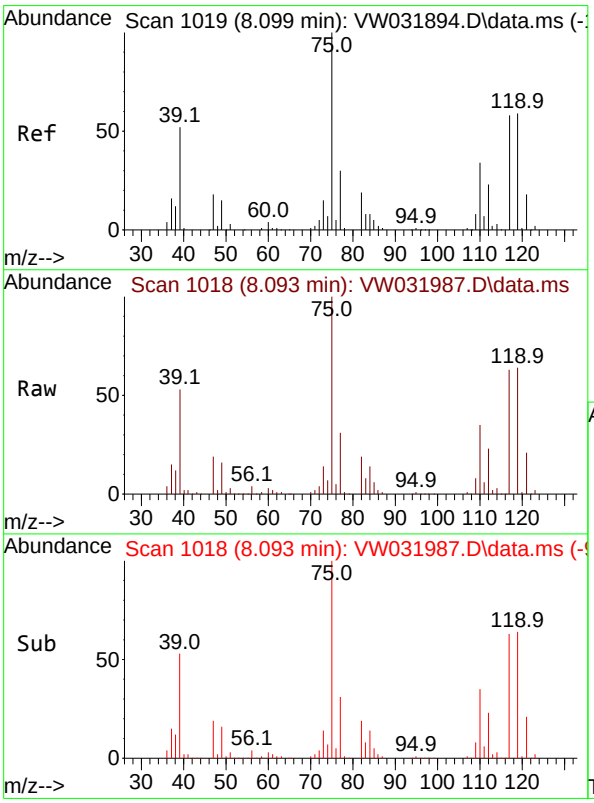
#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 142737

Ion	Ratio	Lower	Upper
113	100		
111	108.2	79.9	119.9
192	16.8	12.6	19.0

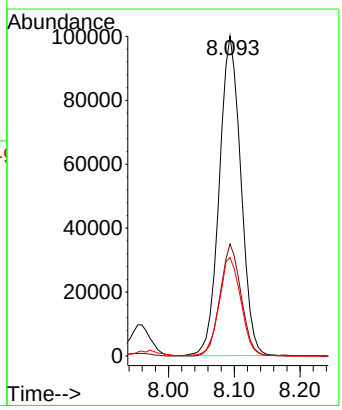


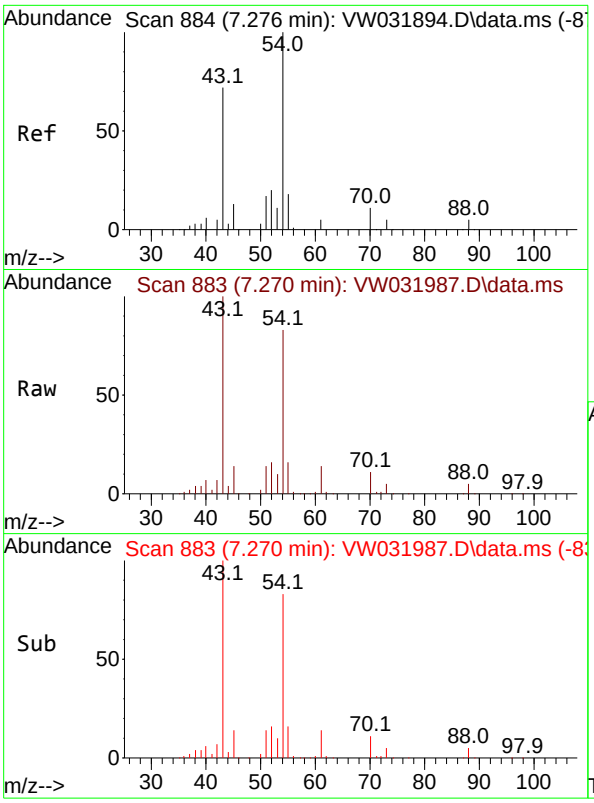


#36
1,1-Dichloropropene
Concen: 50.527 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 228003

Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	50.9
77	31.3	25.1	37.7



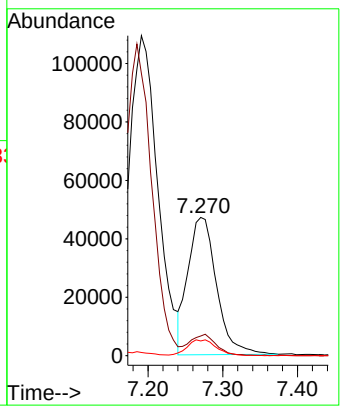


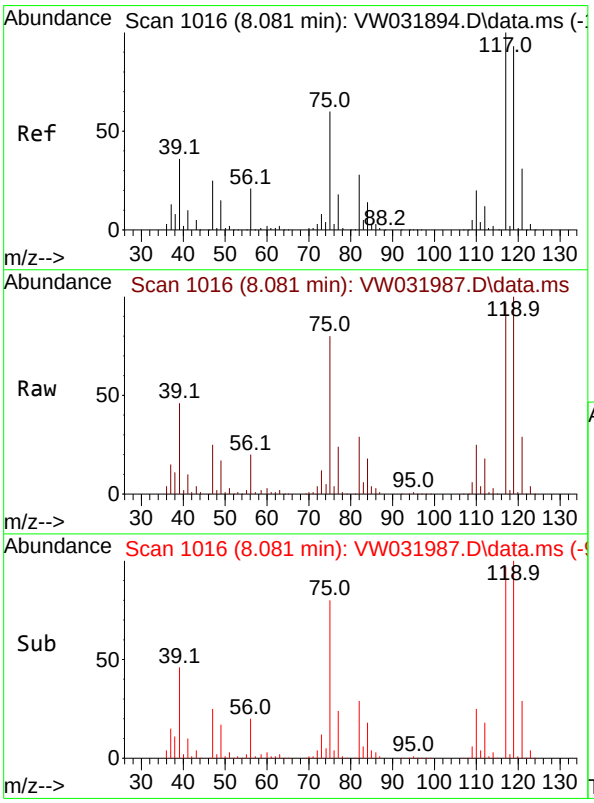
#37
Ethyl Acetate
Concen: 48.529 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 124924

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	11.3	9.0	13.4

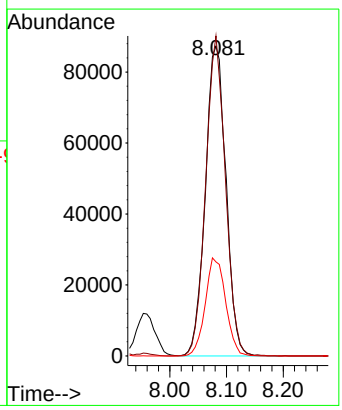


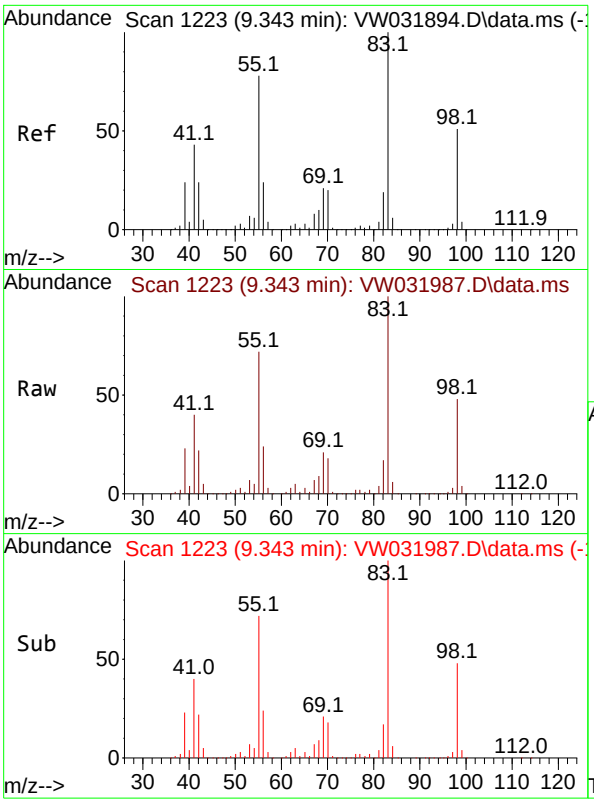


#38
Carbon Tetrachloride
Concen: 51.041 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:117 Resp: 221044

Ion	Ratio	Lower	Upper
117	100		
119	103.3	74.3	111.5
121	30.4	24.6	37.0



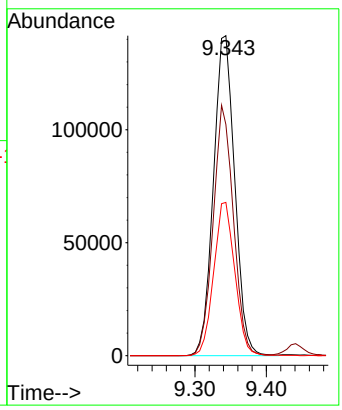


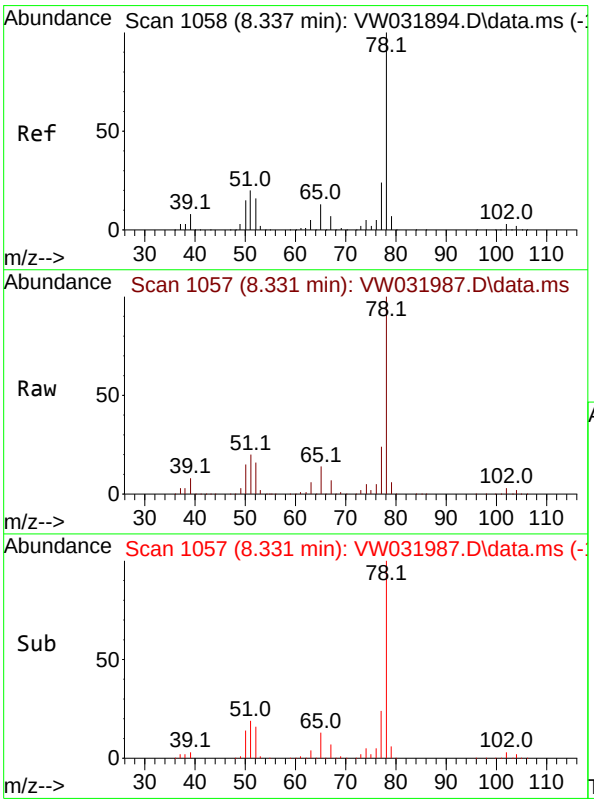
#39
Methylcyclohexane
Concen: 51.613 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 293104

Ion	Ratio	Lower	Upper
83	100		
55	72.3	62.5	93.7
98	47.9	40.6	61.0

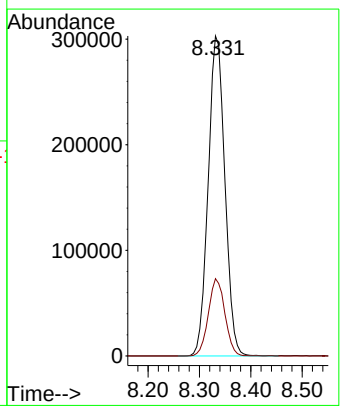


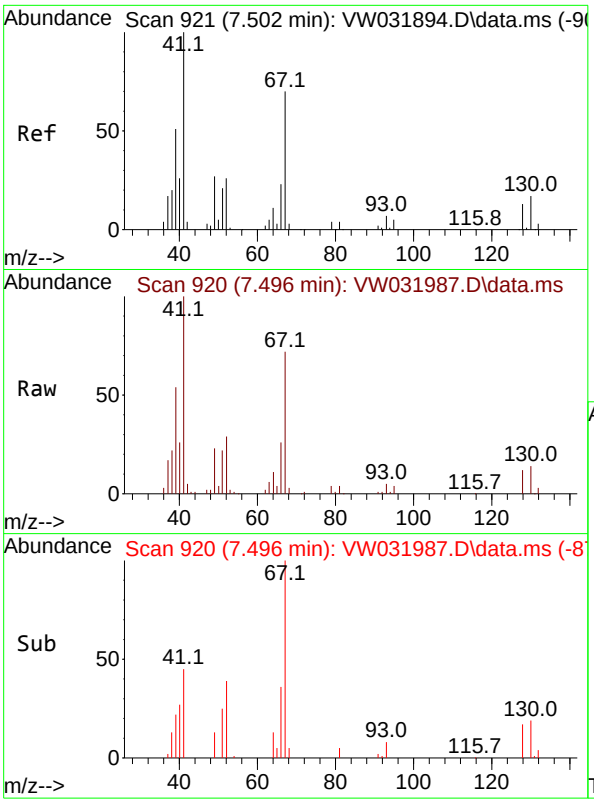


#40
Benzene
Concen: 51.223 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 78 Resp: 684237

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9



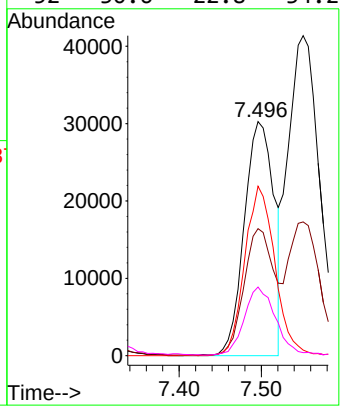


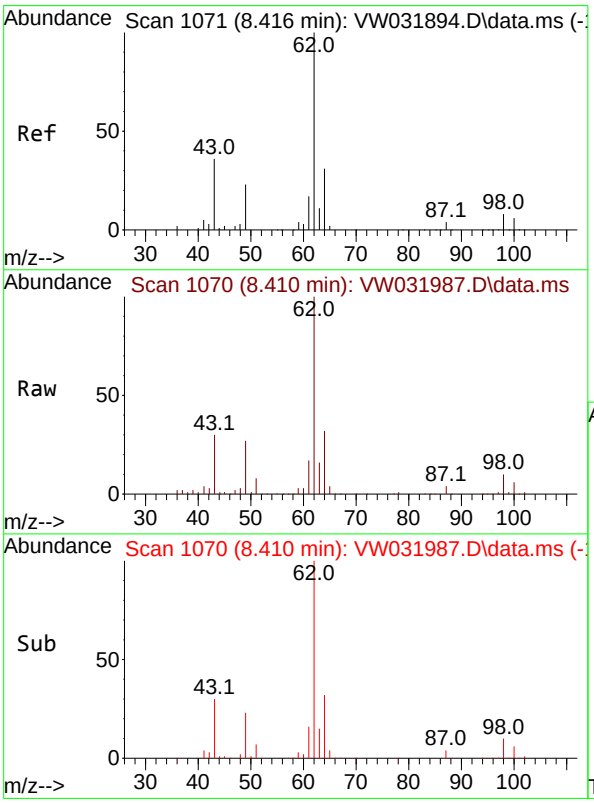
#41
Methacrylonitrile
Concen: 49.512 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 76296

Ion	Ratio	Lower	Upper
41	100		
39	58.2	41.1	61.7
67	73.4	56.2	84.4
52	30.6	22.8	34.2

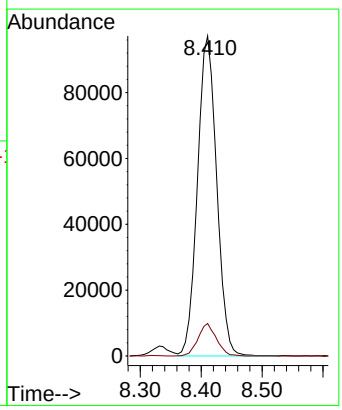


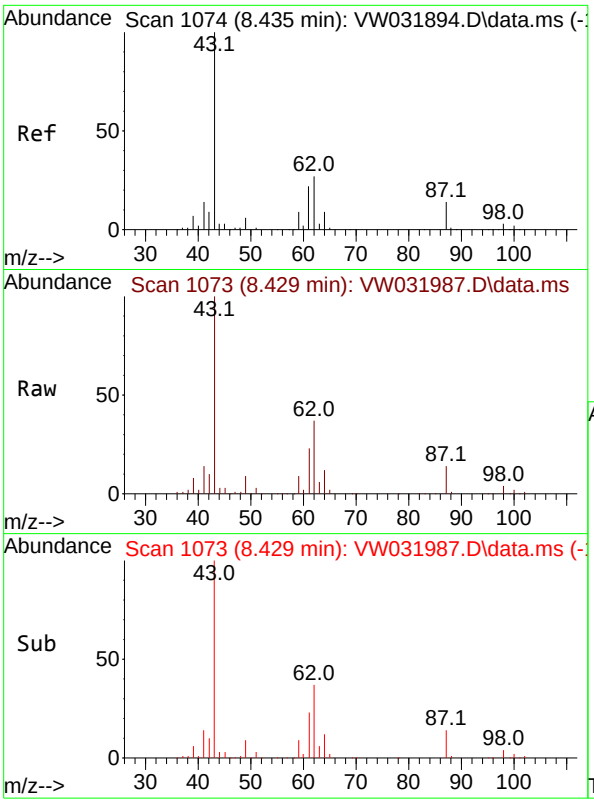


#42
1,2-Dichloroethane
Concen: 49.822 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 62 Resp: 212996

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2



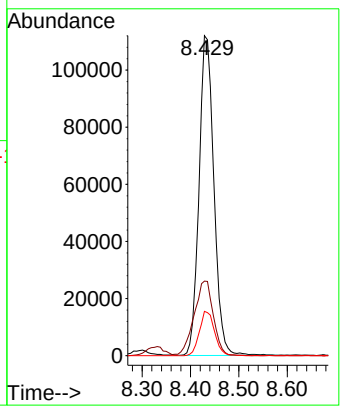


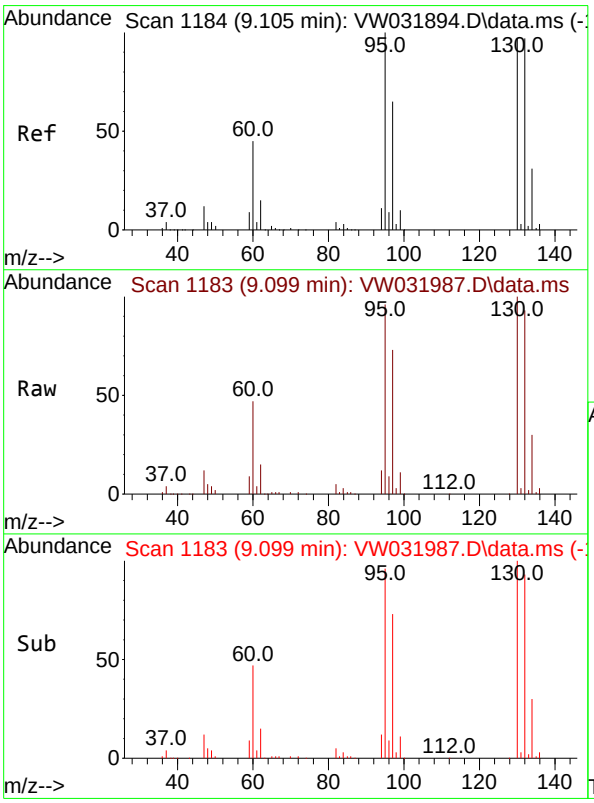
#43
Isopropyl Acetate
Concen: 51.403 ug/l
RT: 8.429 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 239547

Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	14.1	11.1	16.7

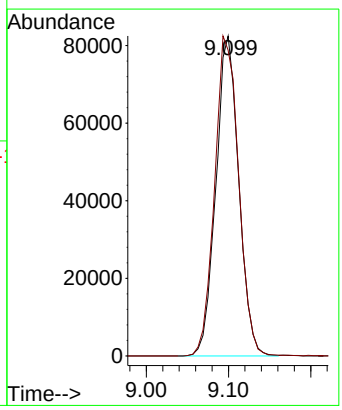


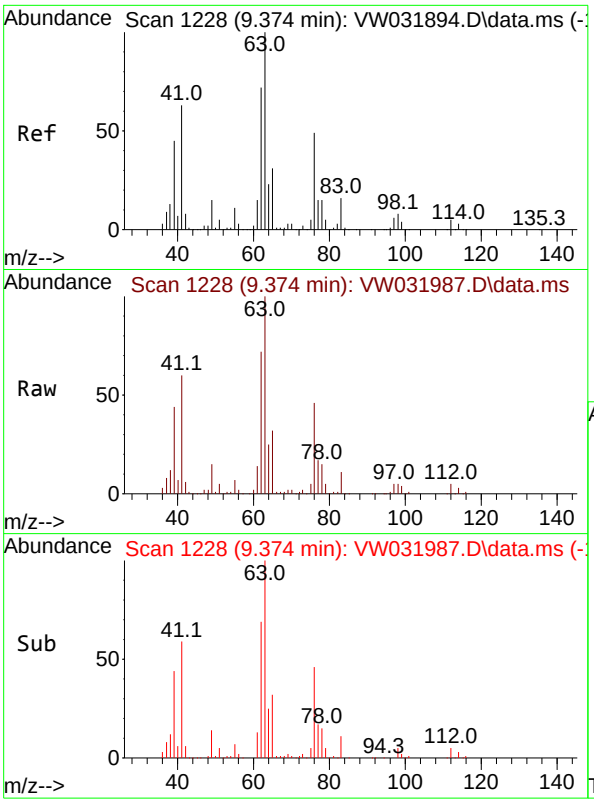


#44
Trichloroethene
Concen: 50.248 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:130 Resp: 159542

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	206.4



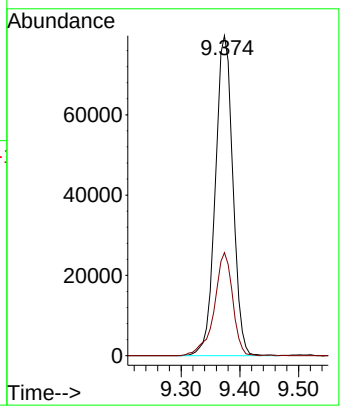


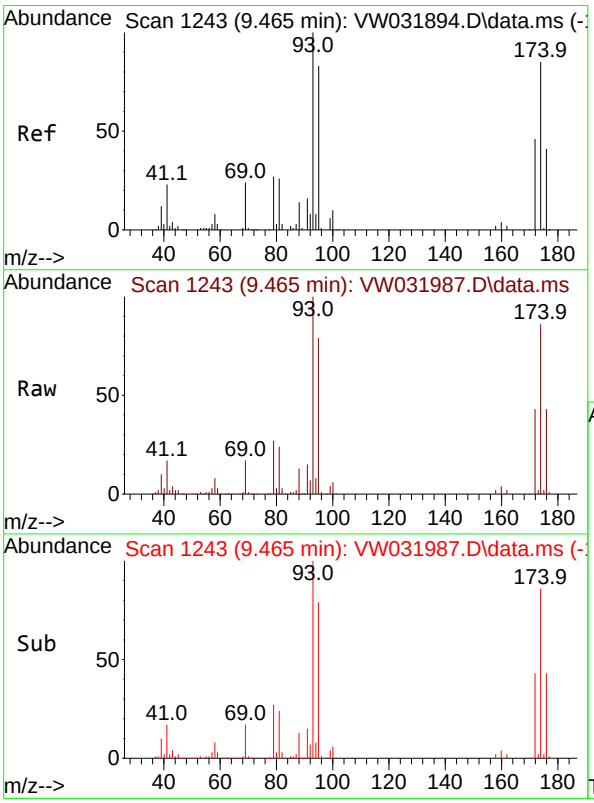
#45
1,2-Dichloropropane
Concen: 51.362 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 165234

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.0	37.4

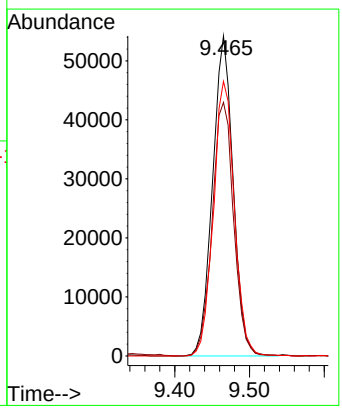


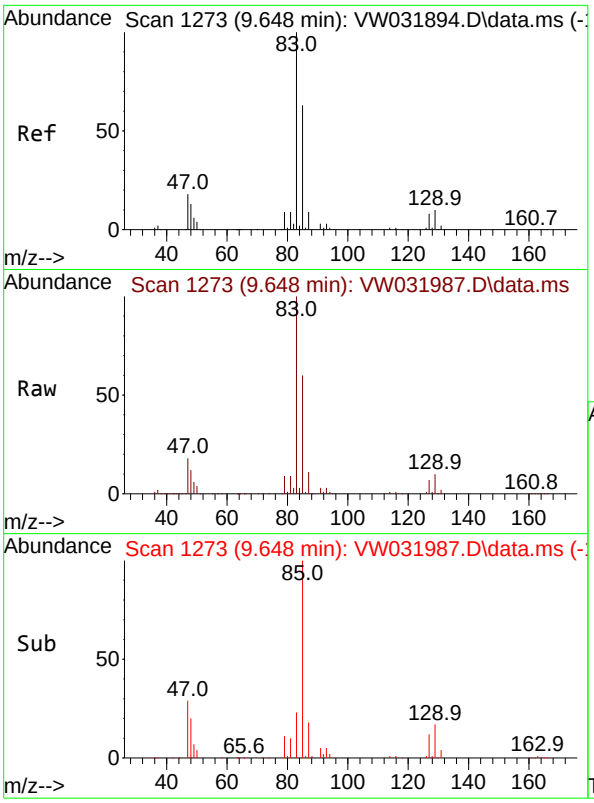


#46
Dibromomethane
Concen: 52.012 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 93 Resp: 103723

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.8	98.6
174	87.5	70.2	105.2



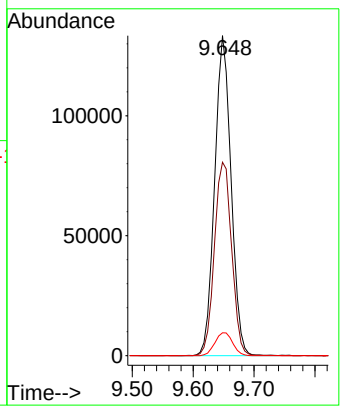


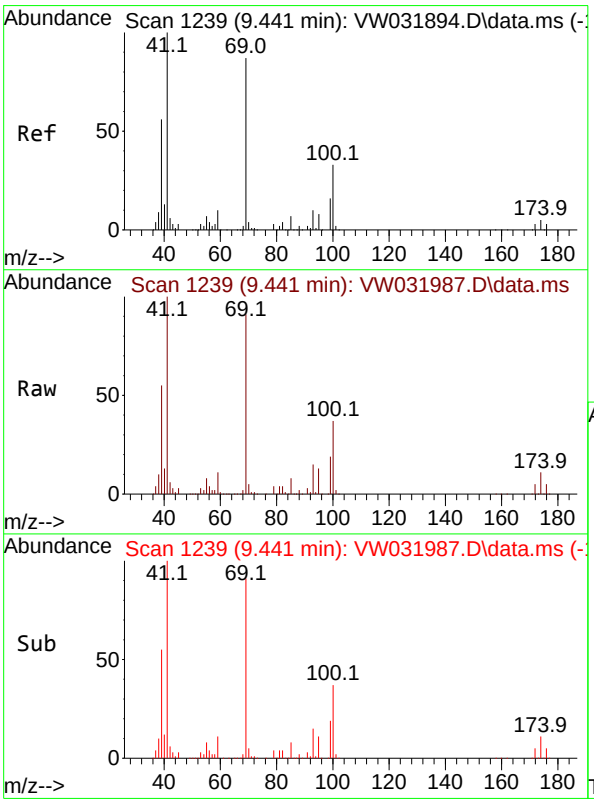
#47
Bromodichloromethane
Concen: 52.128 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 249276

Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.6	76.0
127	7.2	6.5	9.7

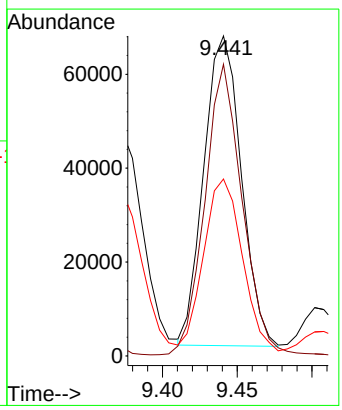


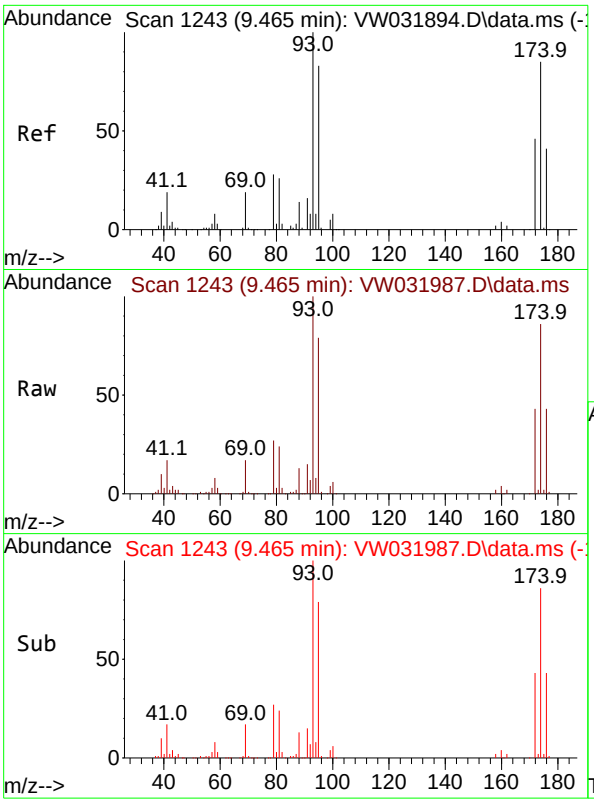


#48
Methyl methacrylate
Concen: 51.905 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 41 Resp: 115079

Ion	Ratio	Lower	Upper
41	100		
69	94.1	73.6	110.4
39	56.6	45.5	68.3



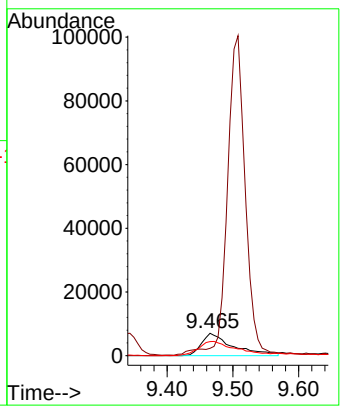


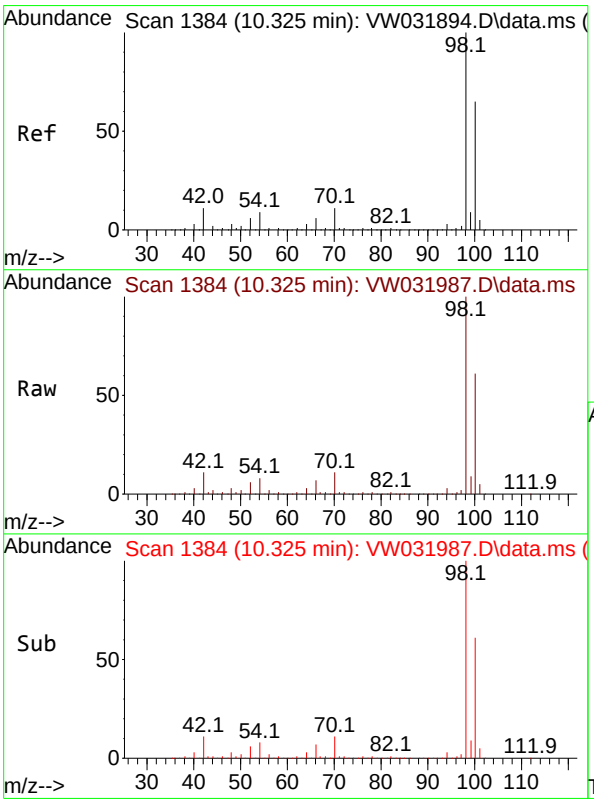
#49
1,4-Dioxane
Concen: 1170.411 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 23290

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	75.9	58.2	87.2

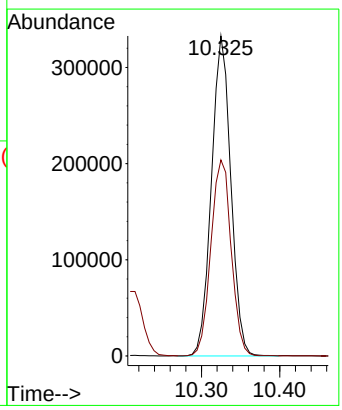


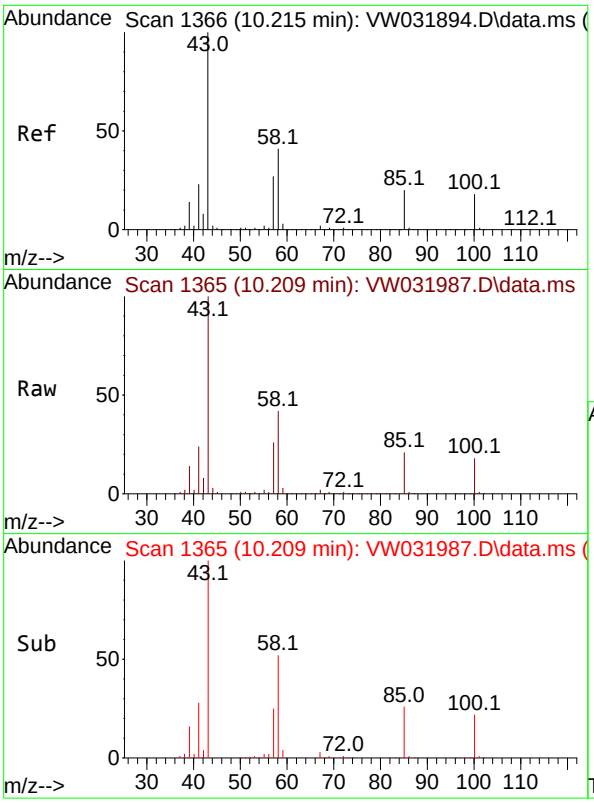


#50
Toluene-d8
Concen: 51.473 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 98 Resp: 572419

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5



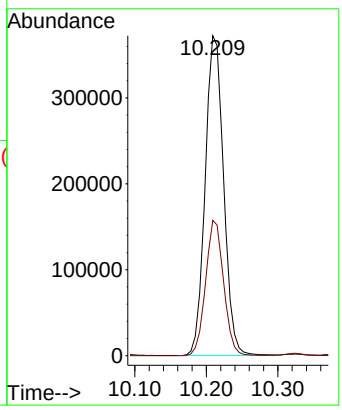


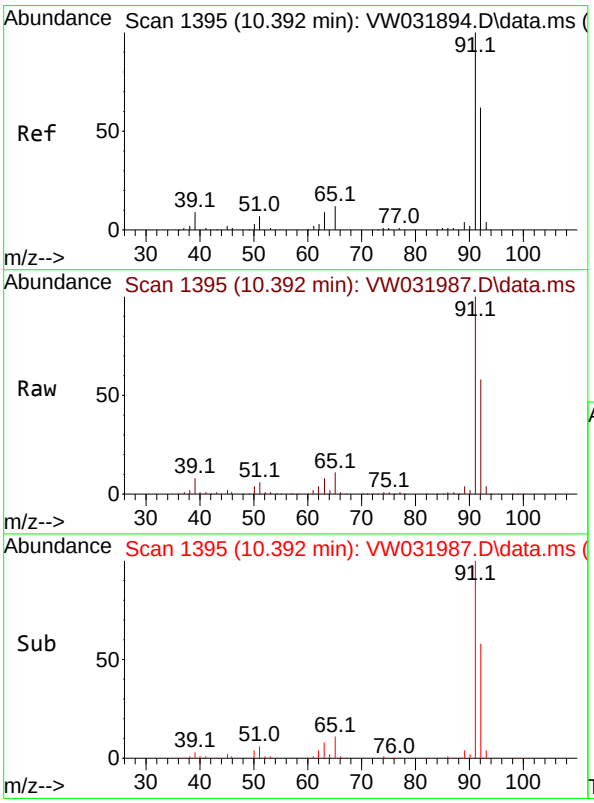
#51
4-Methyl-2-Pentanone
Concen: 261.891 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 667922

Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

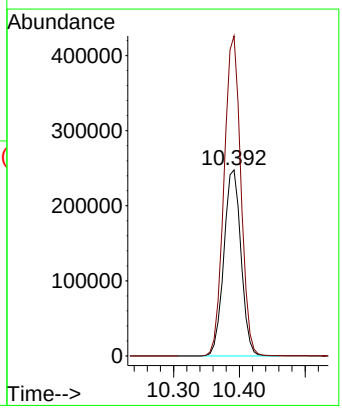


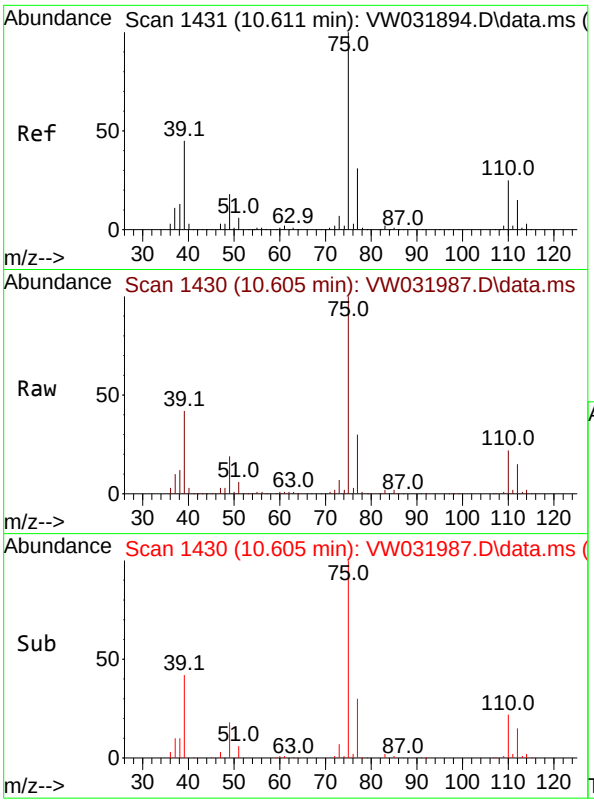


#52
Toluene
Concen: 52.228 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 92 Resp: 448483

Ion	Ratio	Lower	Upper
92	100		
91	168.9	133.7	200.5



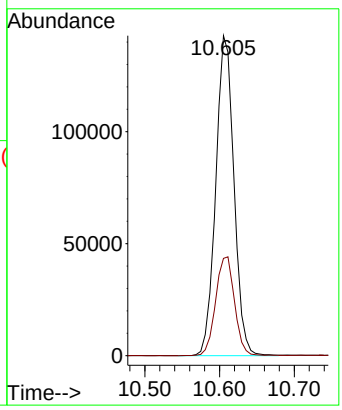


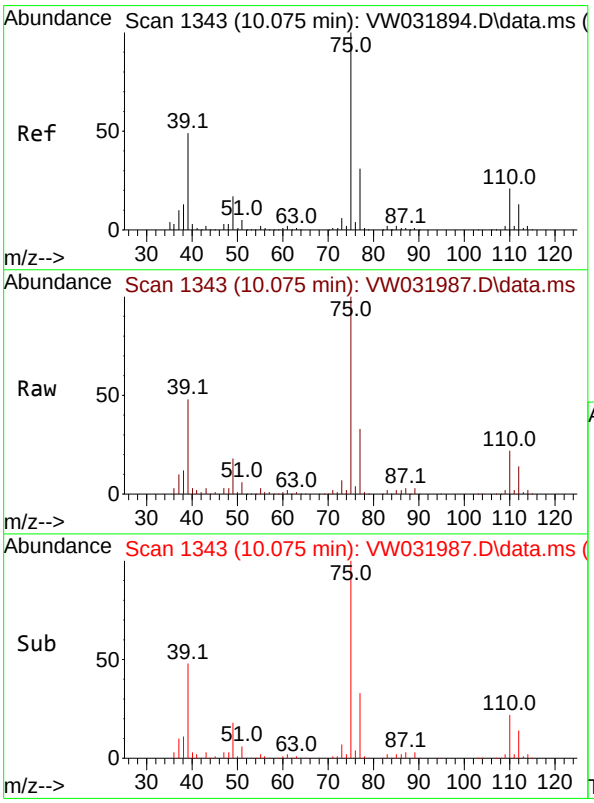
#53
t-1,3-Dichloropropene
Concen: 52.793 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 242170

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.2	37.8

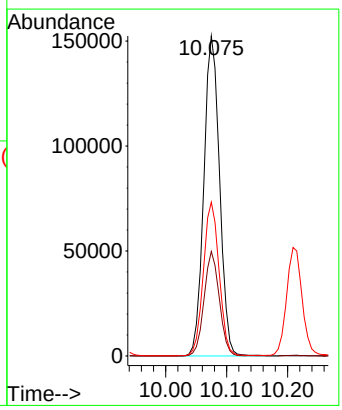


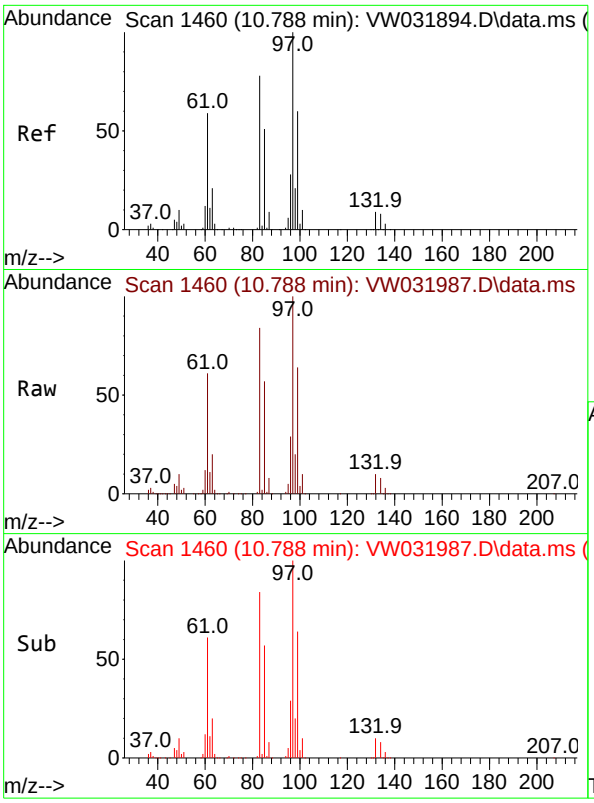


#54
cis-1,3-Dichloropropene
Concen: 52.326 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 274111

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7
39	47.9	39.3	58.9



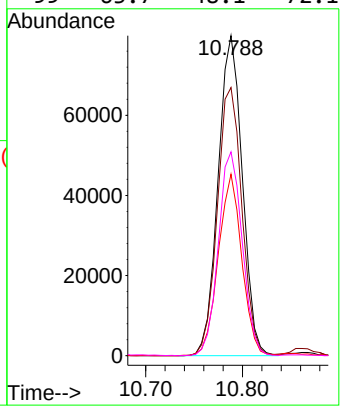


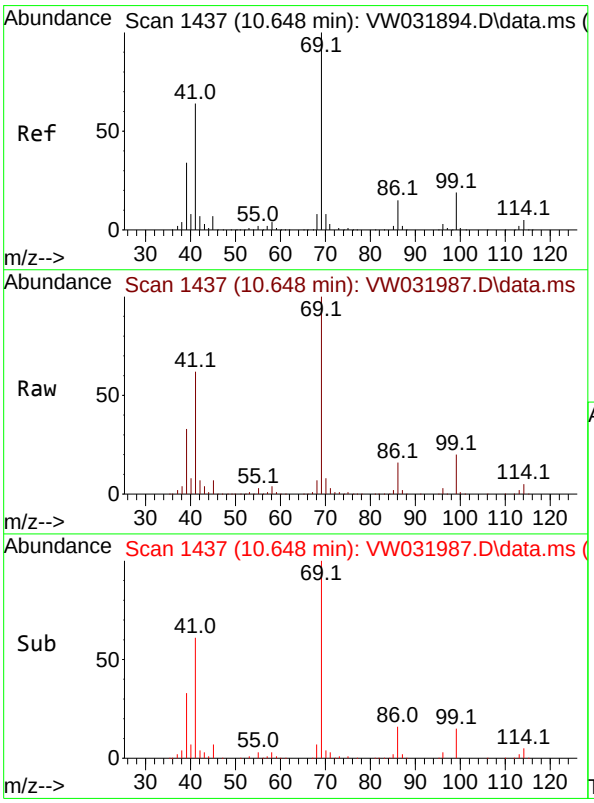
#55
1,1,2-Trichloroethane
Concen: 52.349 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 138672

Ion	Ratio	Lower	Upper
97	100		
83	83.8	62.4	93.6
85	56.7	41.0	61.6
99	63.7	48.1	72.1

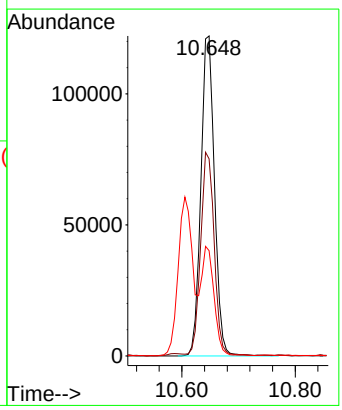


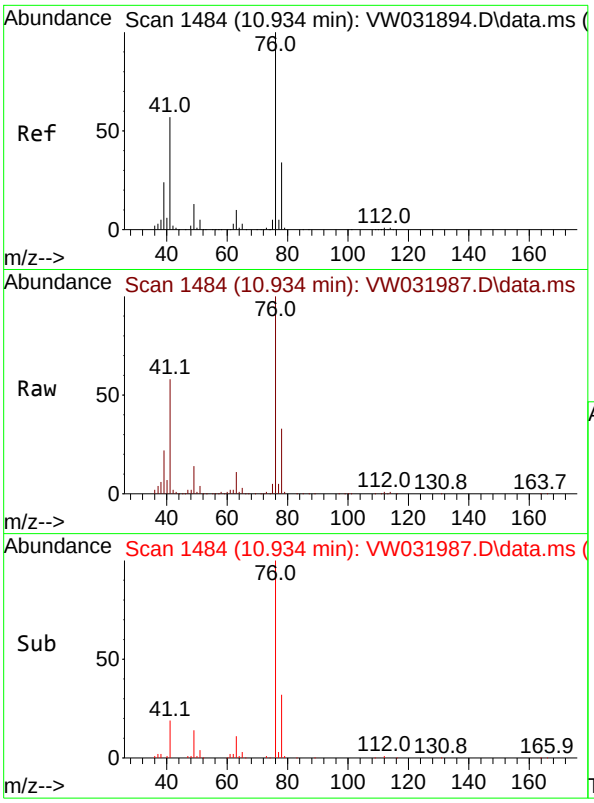


#56
Ethyl methacrylate
Concen: 54.458 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 69 Resp: 203738

Ion	Ratio	Lower	Upper
69	100		
41	62.4	52.0	78.0
39	30.2	26.6	40.0



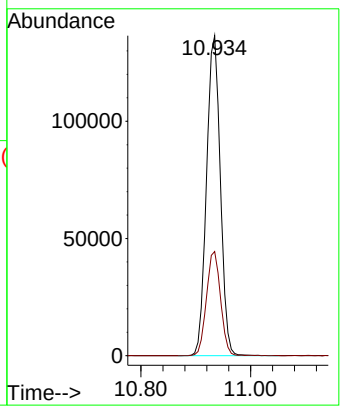


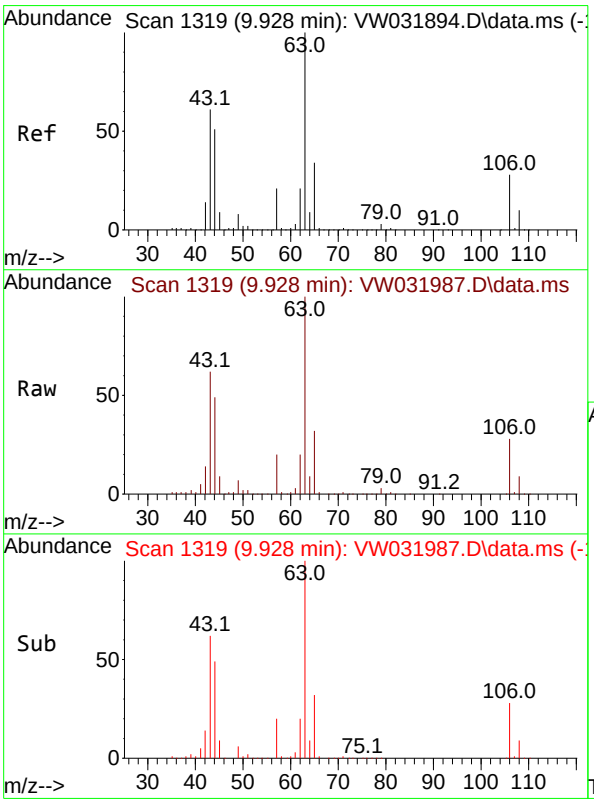
#57
1,3-Dichloropropane
Concen: 50.881 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 237448

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.9	38.9

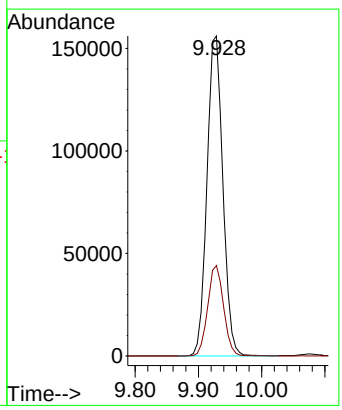


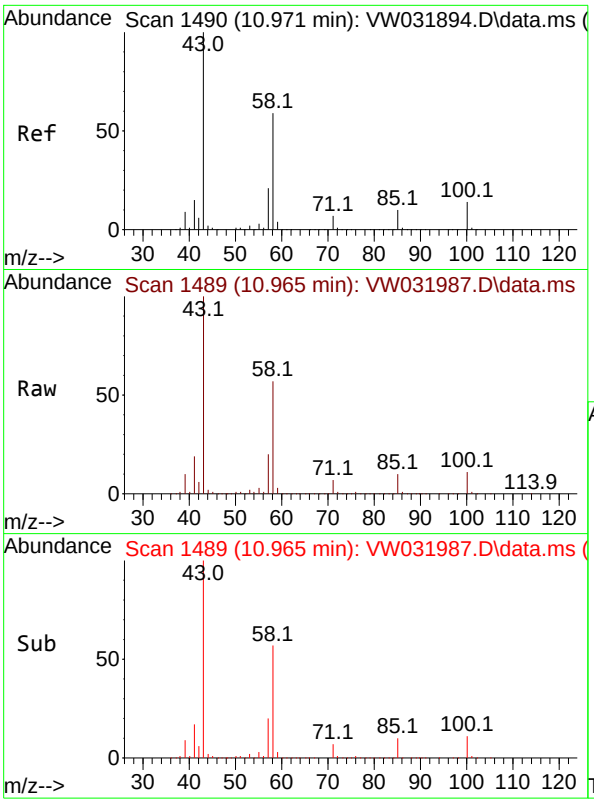


#58
2-Chloroethyl Vinyl ether
Concen: 141.845 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 63 Resp: 272577

Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.7	34.1



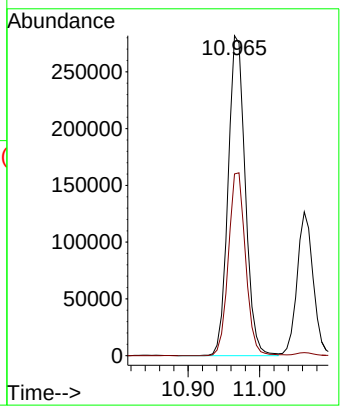


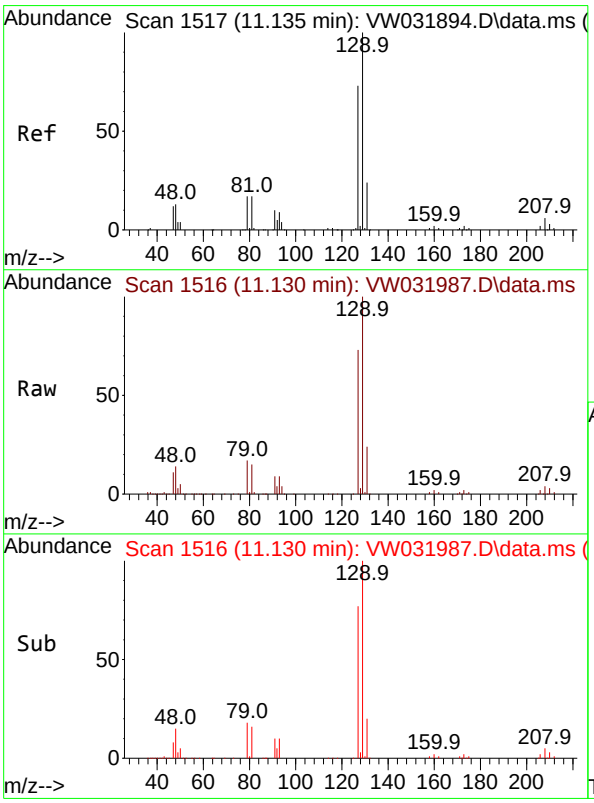
#59
2-Hexanone
Concen: 264.279 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 468504

Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.5	85.6

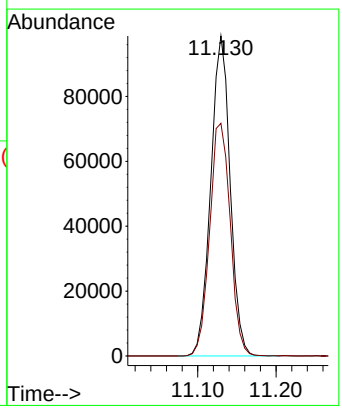


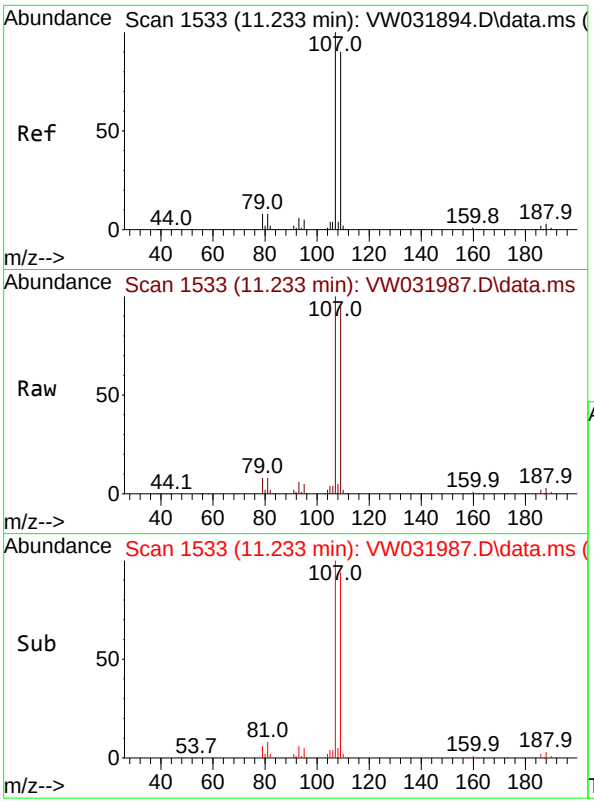


#60
Dibromochloromethane
Concen: 54.958 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:129 Resp: 169737

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.6	118.8



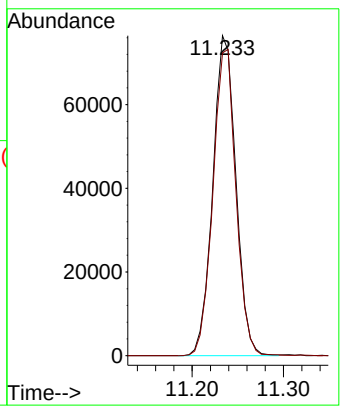


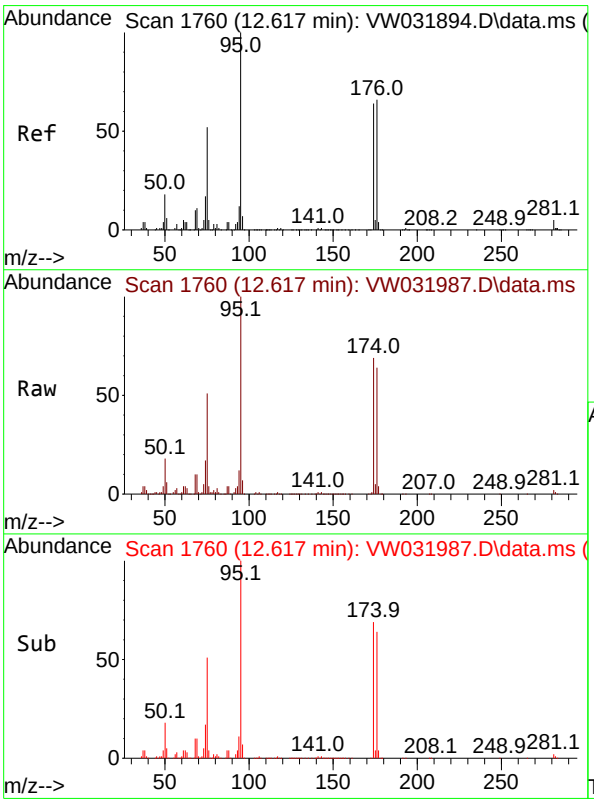
#61
1,2-Dibromoethane
Concen: 51.251 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 134149

Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.2	111.4

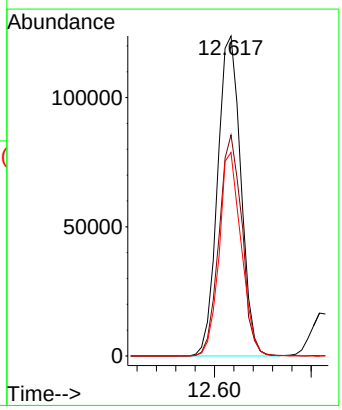


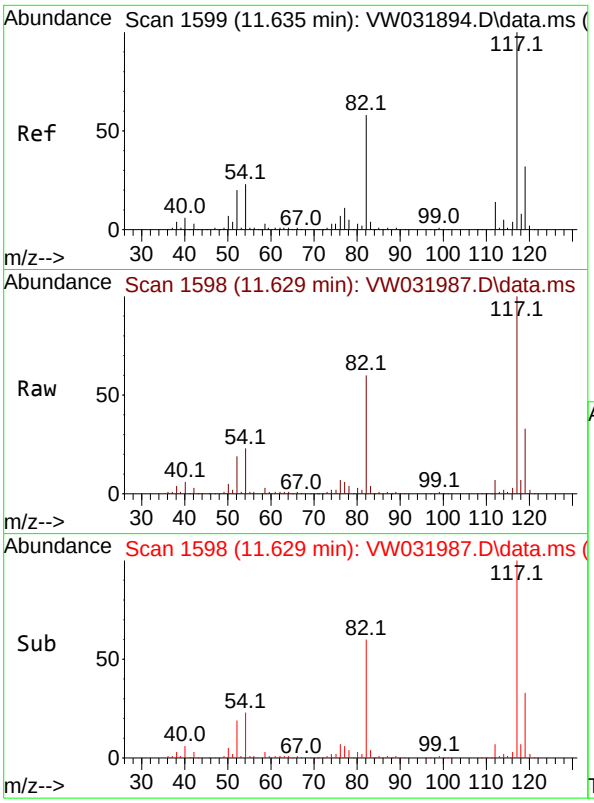


#62
4-Bromofluorobenzene
Concen: 48.388 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 95 Resp: 206626

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	129.8
176	60.5	0.0	130.4



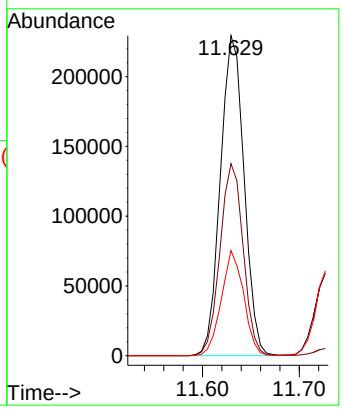


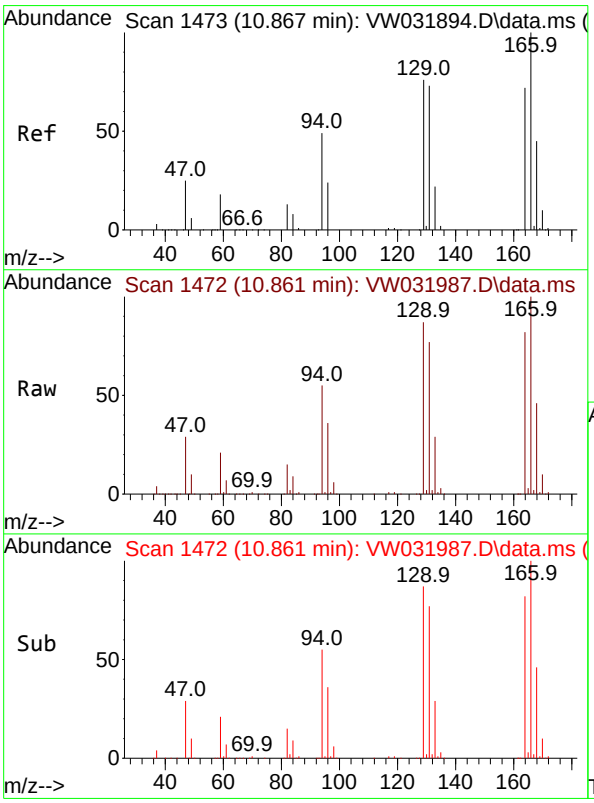
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 389959

Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.5	69.7
119	32.8	25.8	38.6

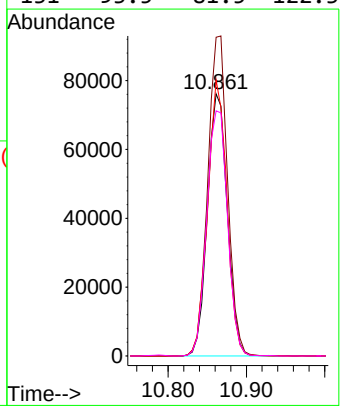


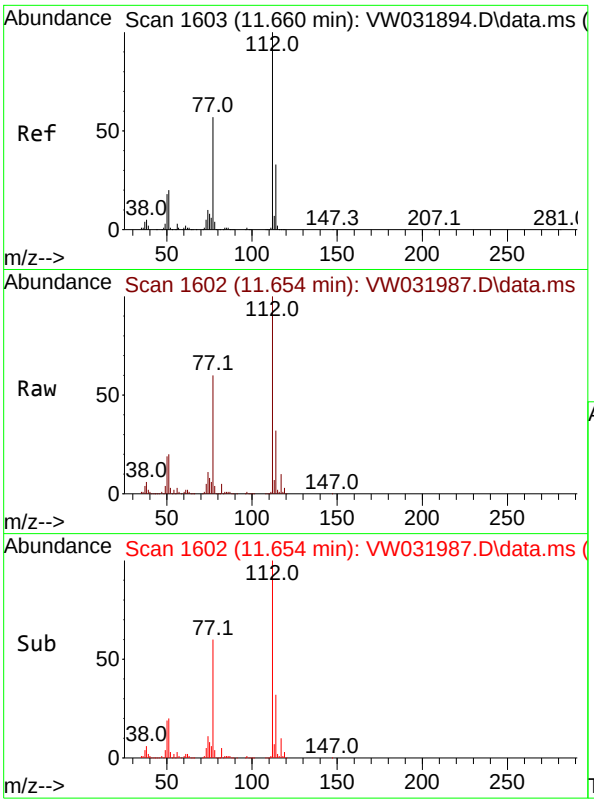


#64
Tetrachloroethene
Concen: 52.168 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:164 Resp: 134128

Ion	Ratio	Lower	Upper
164	100		
166	121.6	111.5	167.3
129	105.2	85.1	127.7
131	93.5	81.5	122.3



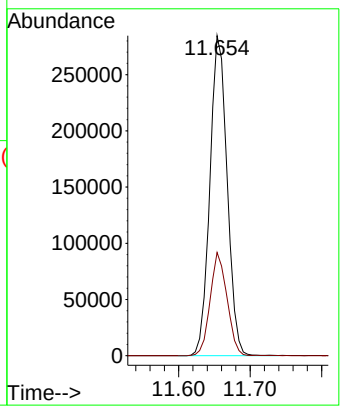


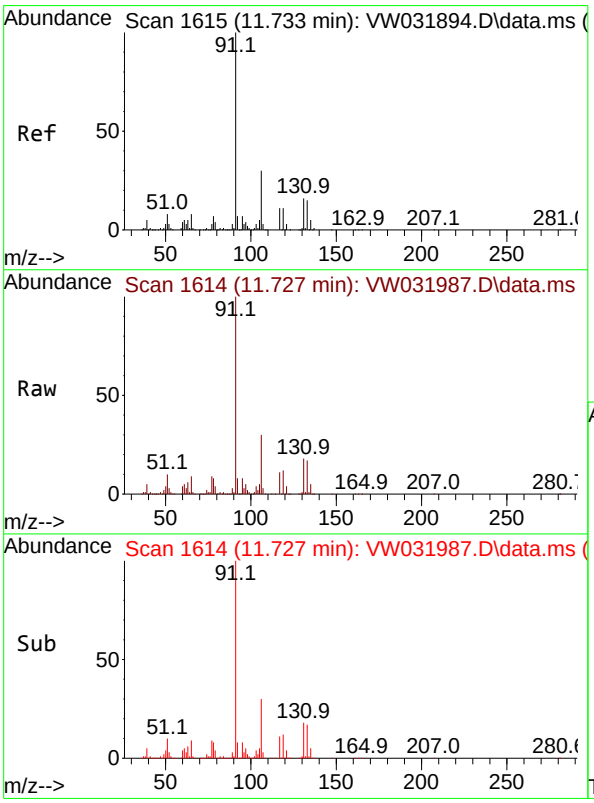
#65
Chlorobenzene
Concen: 49.985 ug/l
RT: 11.654 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 477060

Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.2

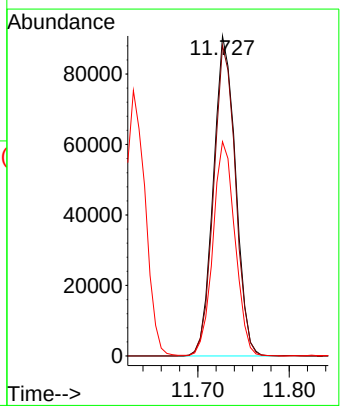


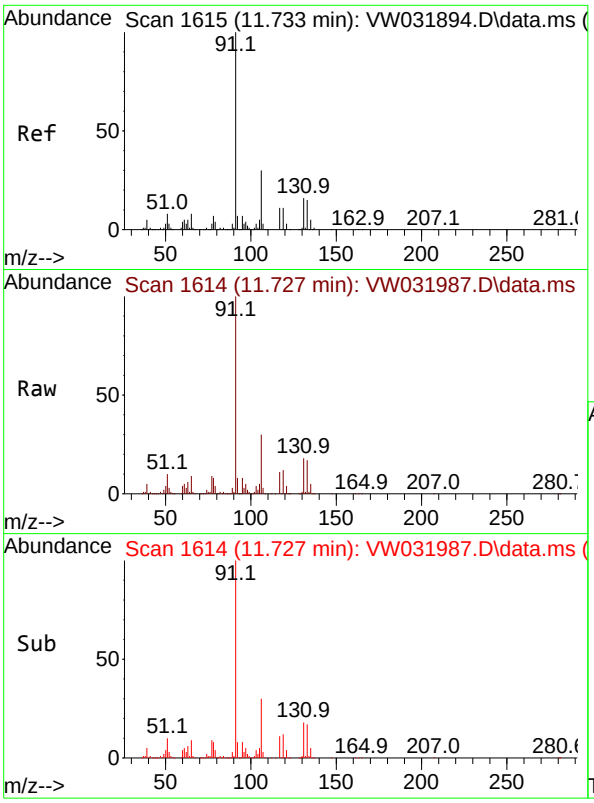


#66
1,1,1,2-Tetrachloroethane
Concen: 51.860 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:131 Resp: 153442

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.4
119	66.5	33.7	101.1



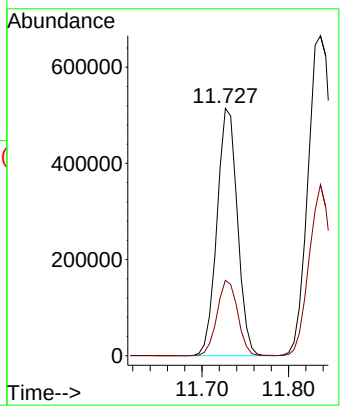


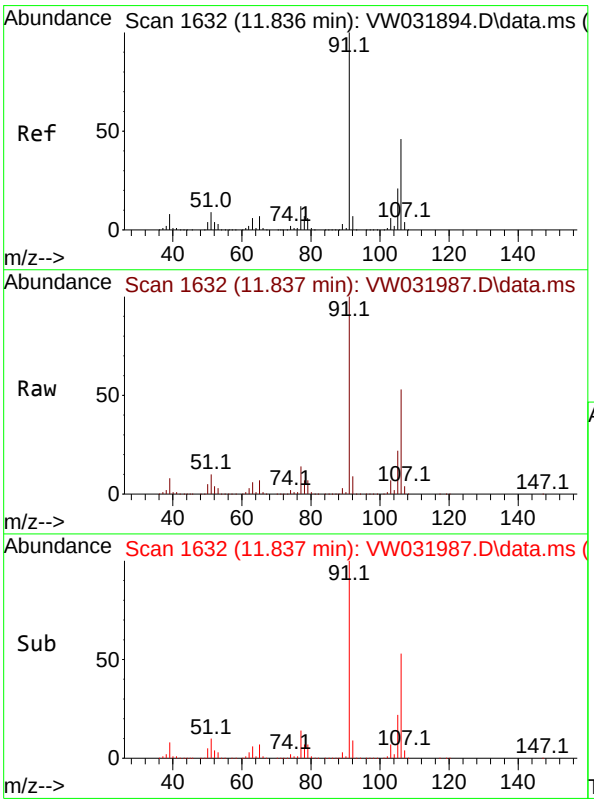
#67
Ethyl Benzene
Concen: 50.298 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 843440

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6

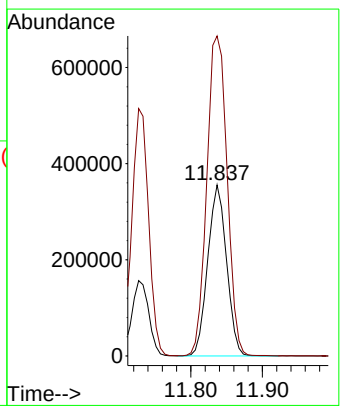


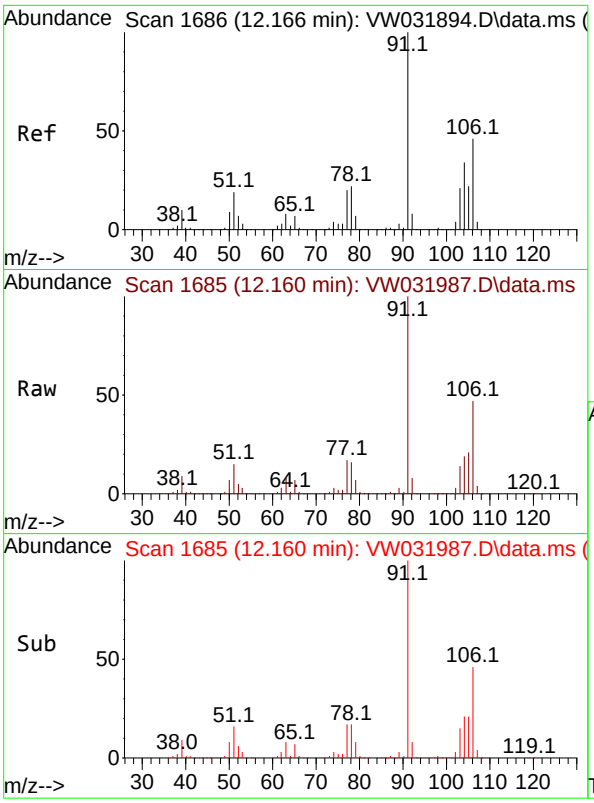


#68
m/p-Xylenes
Concen: 102.663 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:106 Resp: 648083

Ion	Ratio	Lower	Upper
106	100		
91	202.5	167.7	251.5



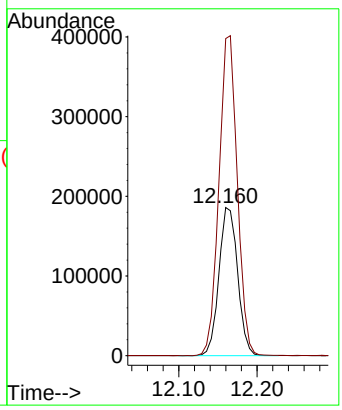


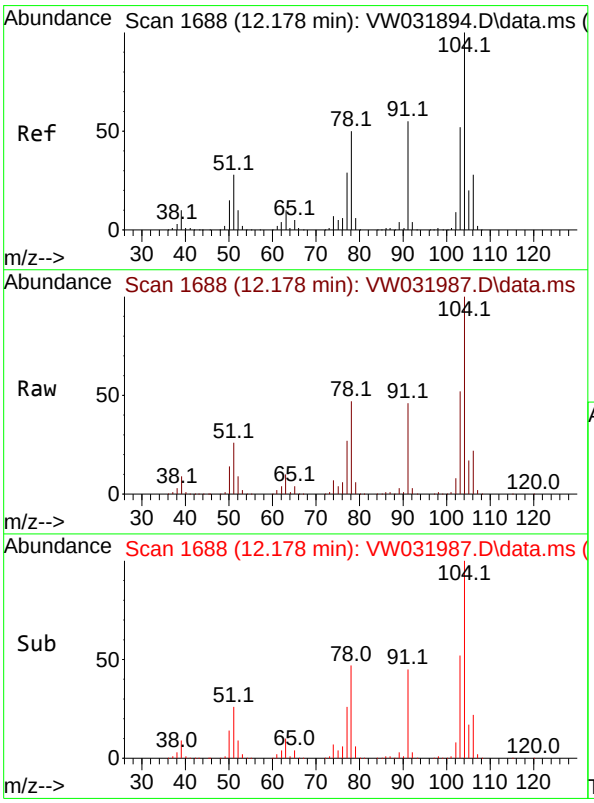
#69
o-Xylene
Concen: 51.699 ug/l
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 308857

Ion	Ratio	Lower	Upper
106	100		
91	212.2	108.2	324.6

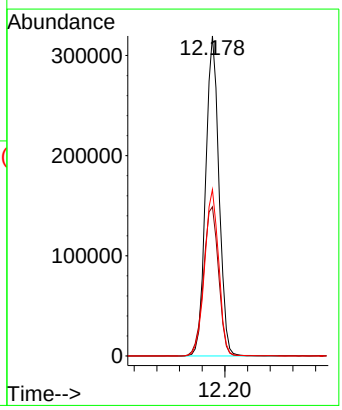


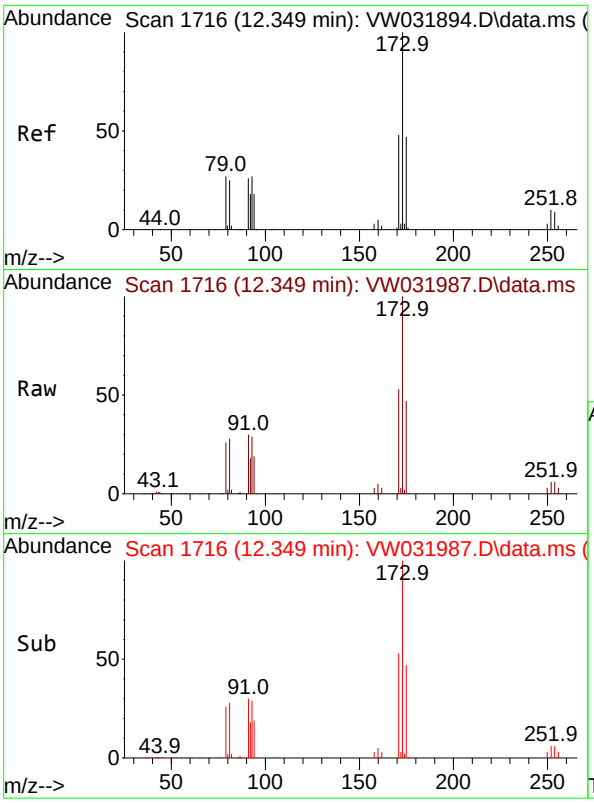


#70
Styrene
Concen: 51.290 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:104 Resp: 521701

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.2	63.4
103	55.1	42.8	64.2



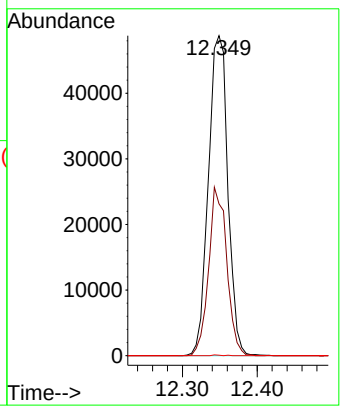


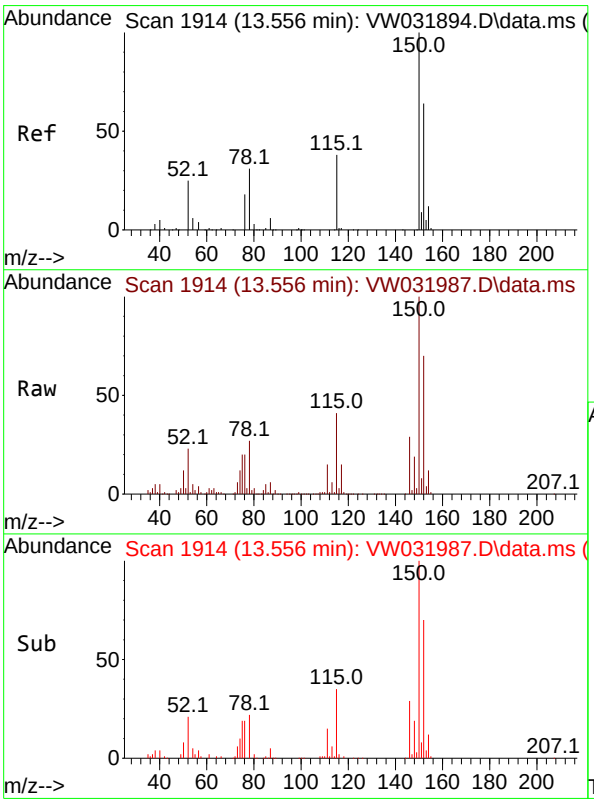
#71
Bromoform
Concen: 54.531 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 88239

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.1	0.2	0.2#

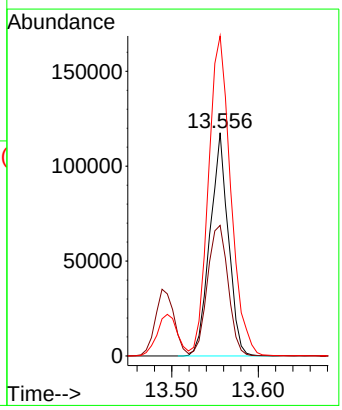


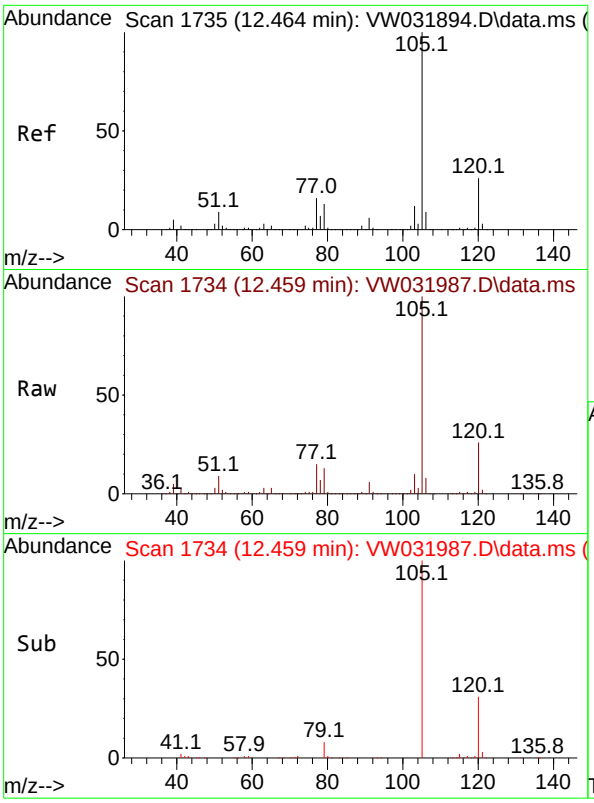


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:152 Resp: 173087

Ion	Ratio	Lower	Upper
152	100		
115	66.2	33.4	100.1
150	173.6	0.0	352.2



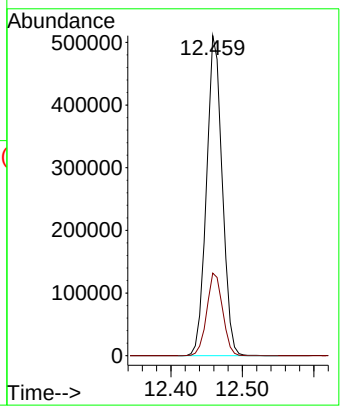


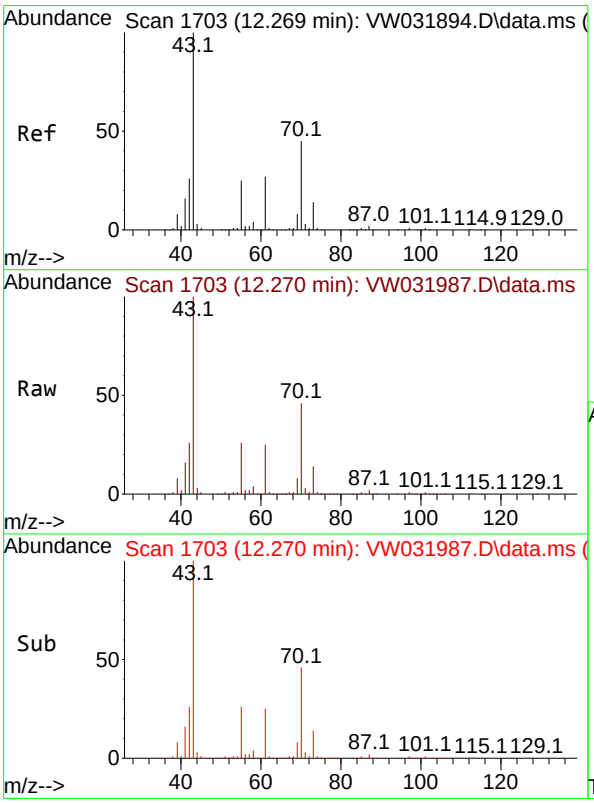
#73
Isopropylbenzene
Concen: 51.943 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 780087

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.6	37.8

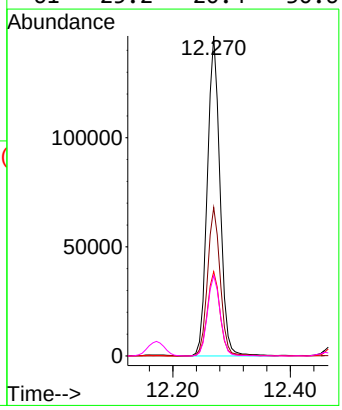


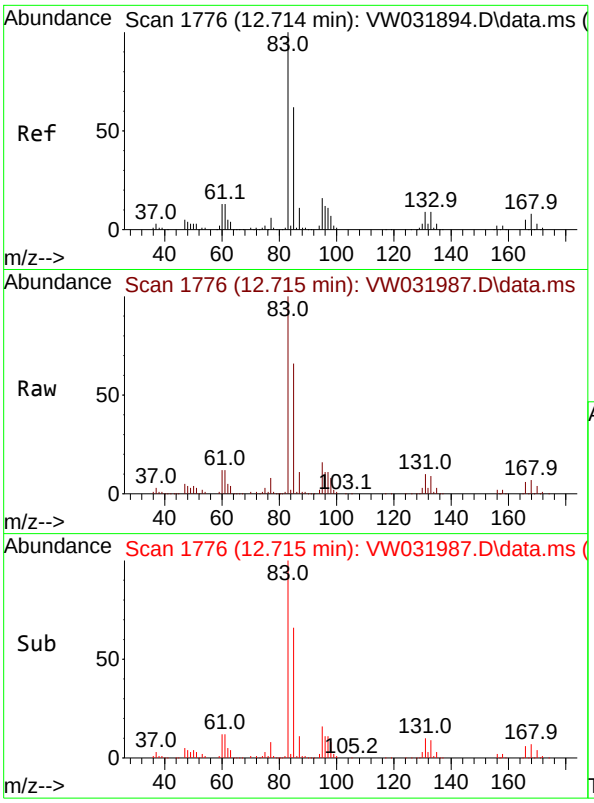


#74
N-amyl acetate
Concen: 54.105 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 43 Resp: 219672

Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.6	55.0
55	26.6	20.7	31.1
61	25.2	20.4	30.6



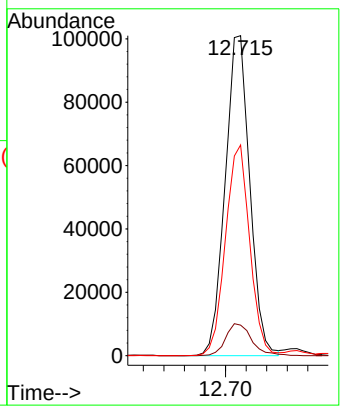


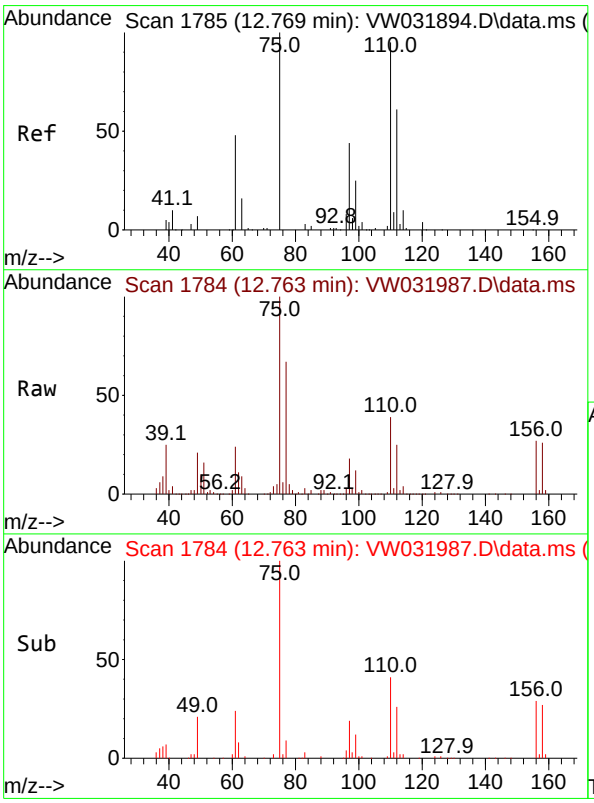
#75
1,1,2,2-Tetrachloroethane
Concen: 52.808 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 168340

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.0	15.0
85	64.9	31.8	95.3

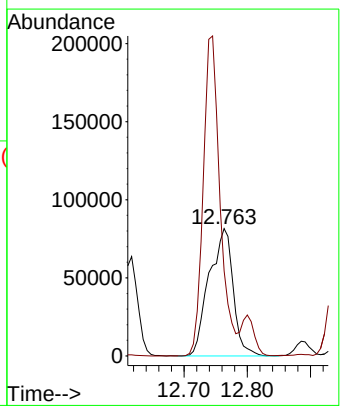


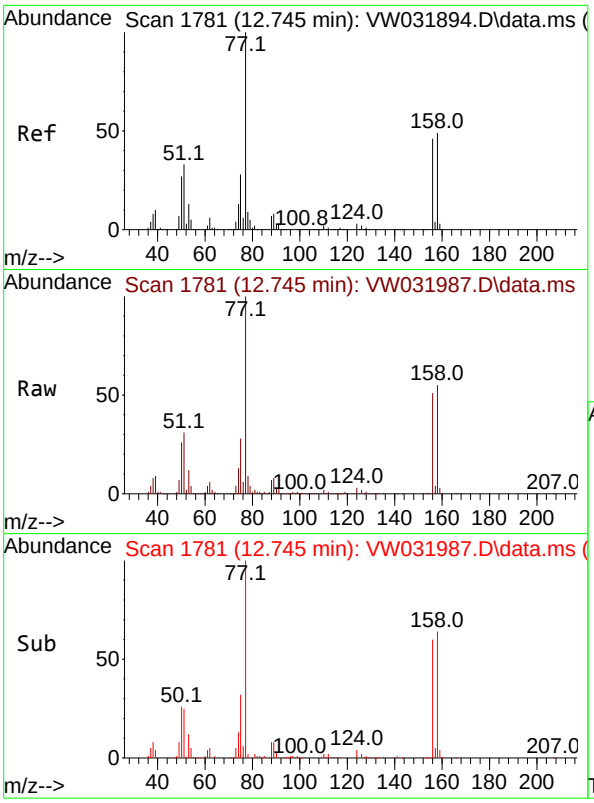


#76
1,2,3-Trichloropropane
Concen: 90.251 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 215676

Ion	Ratio	Lower	Upper
75	100		
77	175.6	0.0	0.0#



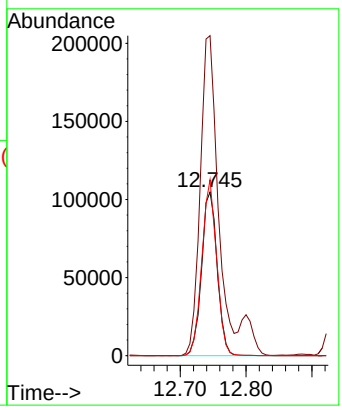


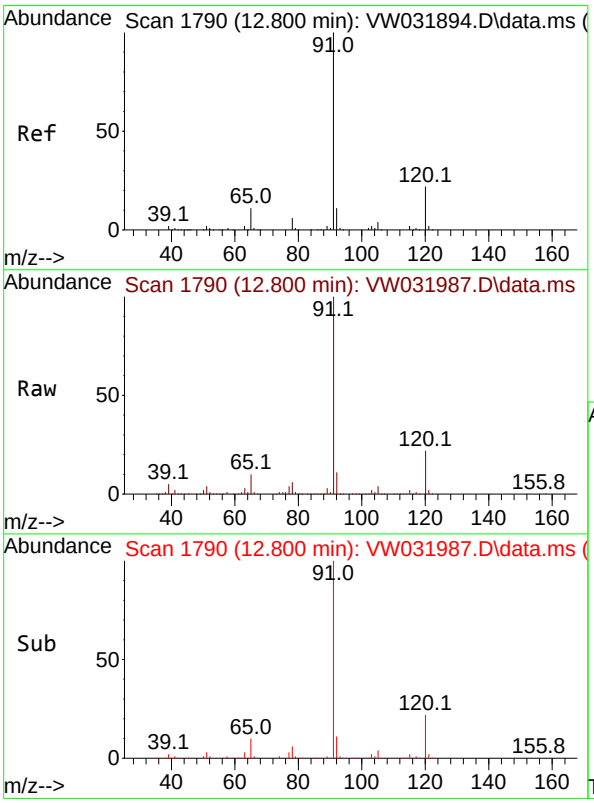
#77
Bromobenzene
Concen: 53.039 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 172345

Ion	Ratio	Lower	Upper
156	100		
77	219.7	115.3	345.8
158	102.4	50.1	150.3

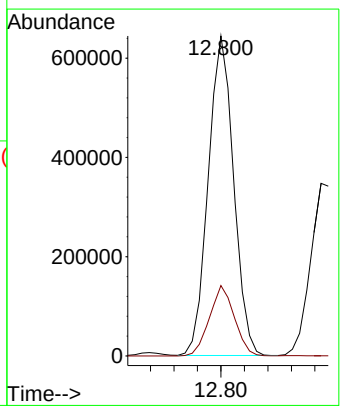


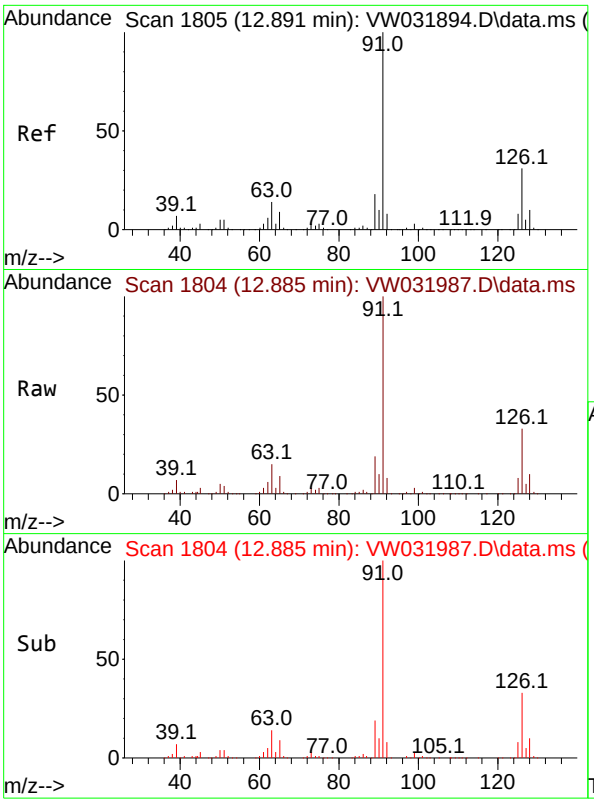


#78
n-propylbenzene
Concen: 52.475 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 91 Resp: 967893

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.6



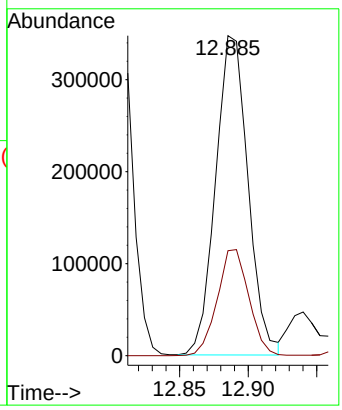


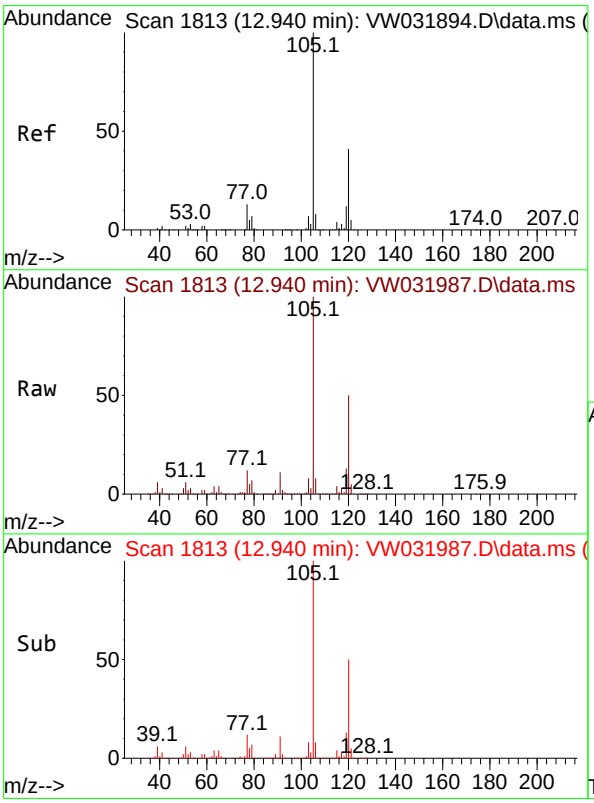
#79
2-Chlorotoluene
Concen: 51.882 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 571368

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.6	46.8

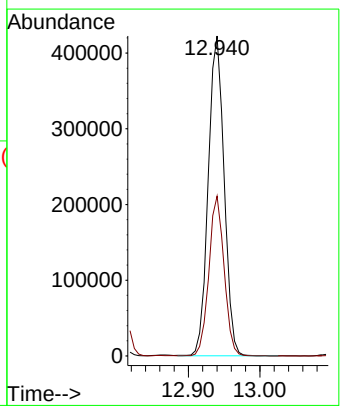


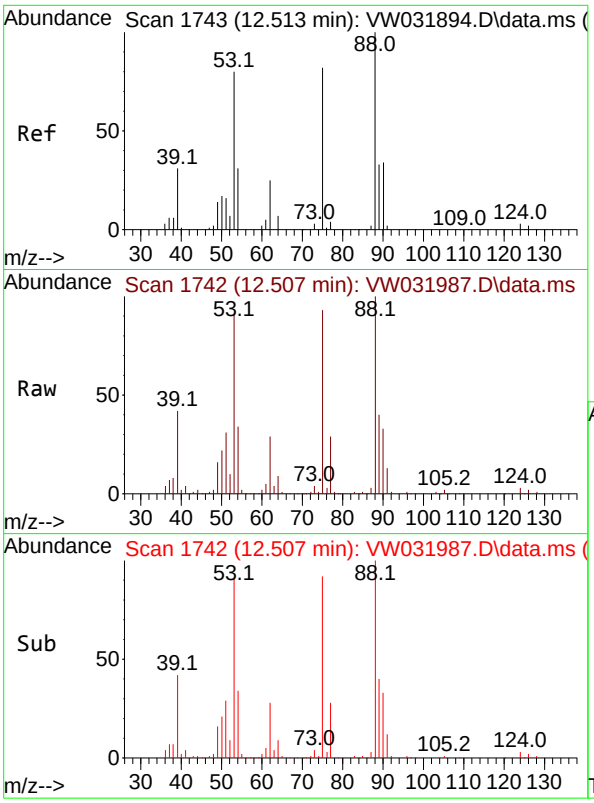


#80
1,3,5-Trimethylbenzene
Concen: 51.678 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:105 Resp: 650913

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.5	70.5



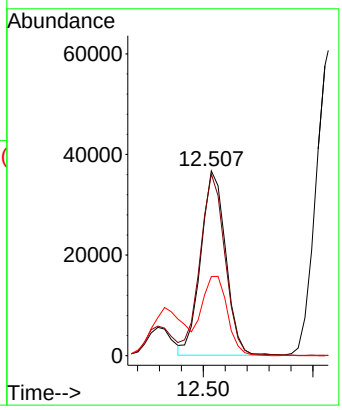


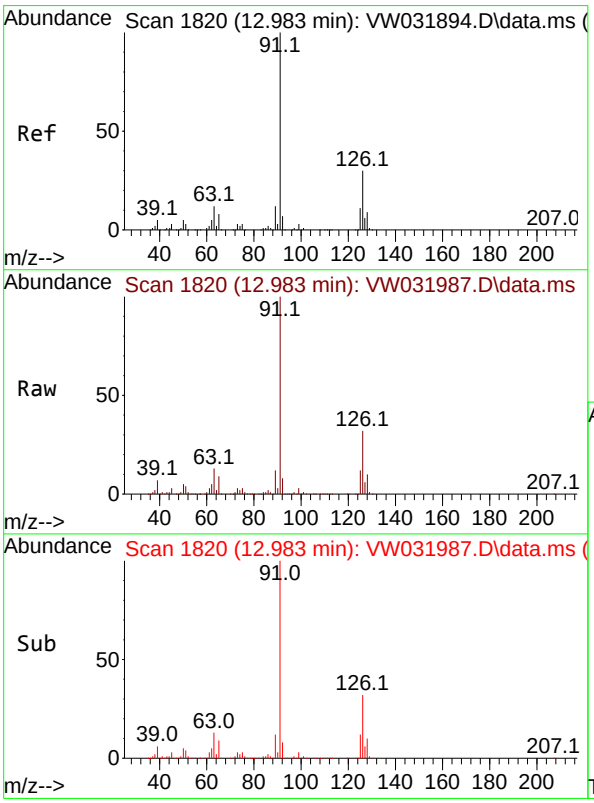
#81
trans-1,4-Dichloro-2-butene
Concen: 55.779 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 57736

Ion	Ratio	Lower	Upper
75	100		
53	99.3	83.7	125.5
89	44.4	39.0	58.6

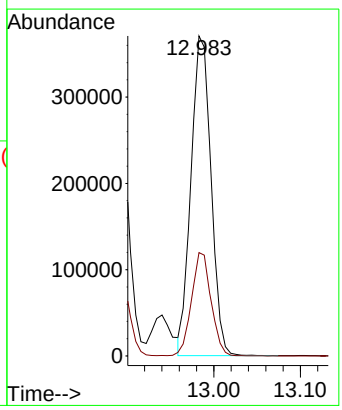


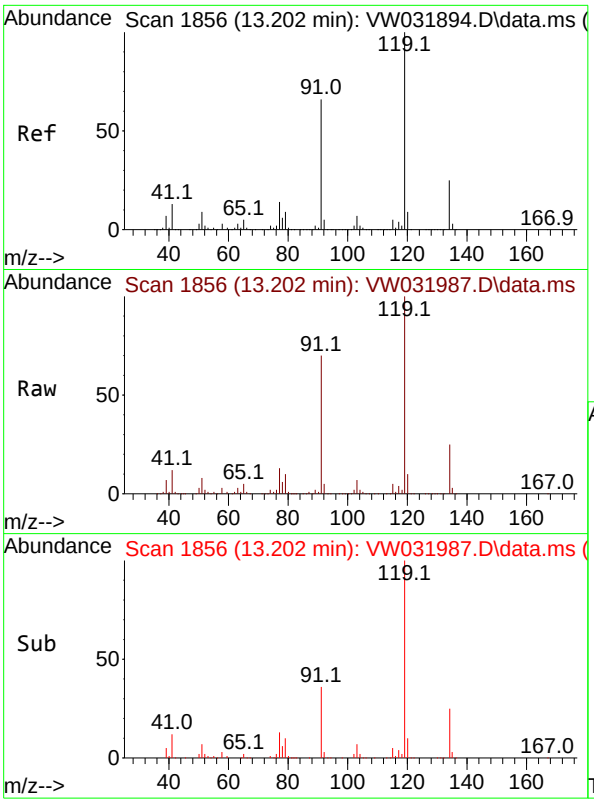


#82
4-Chlorotoluene
Concen: 51.476 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 91 Resp: 594724

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.3



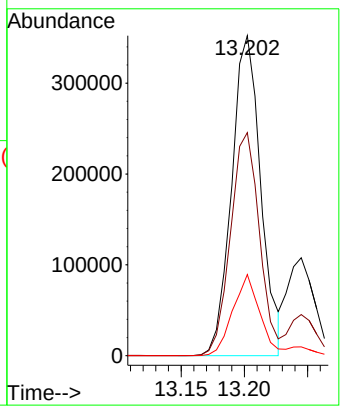


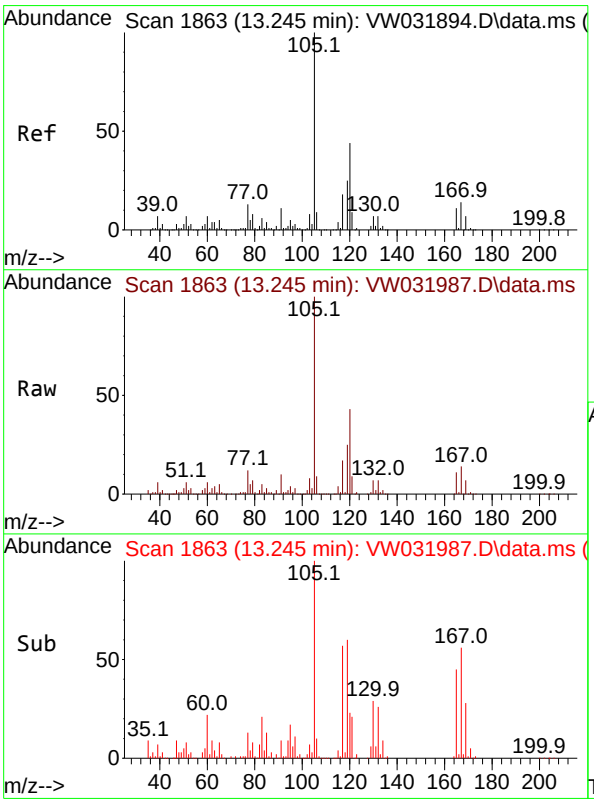
#83
tert-Butylbenzene
Concen: 52.740 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 565841

Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.5	106.5
134	23.7	12.4	37.0

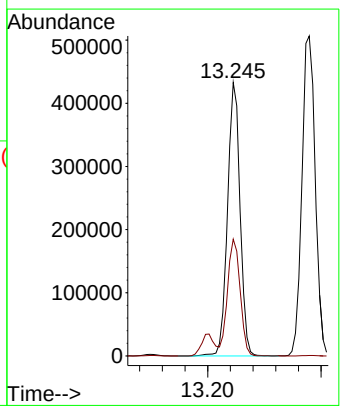


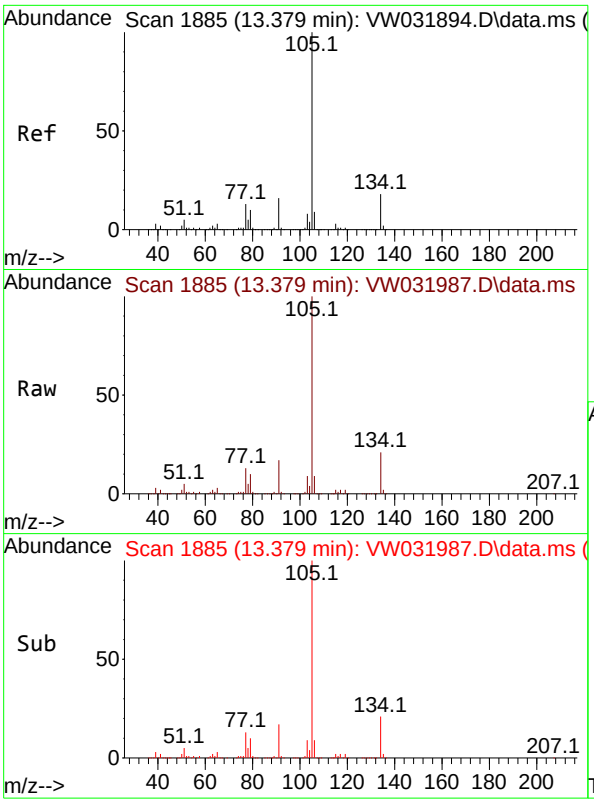


#84
1,2,4-Trimethylbenzene
Concen: 52.028 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:105 Resp: 663285

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9



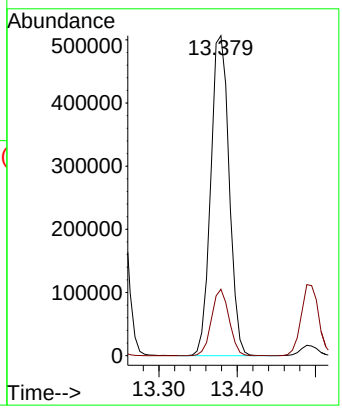


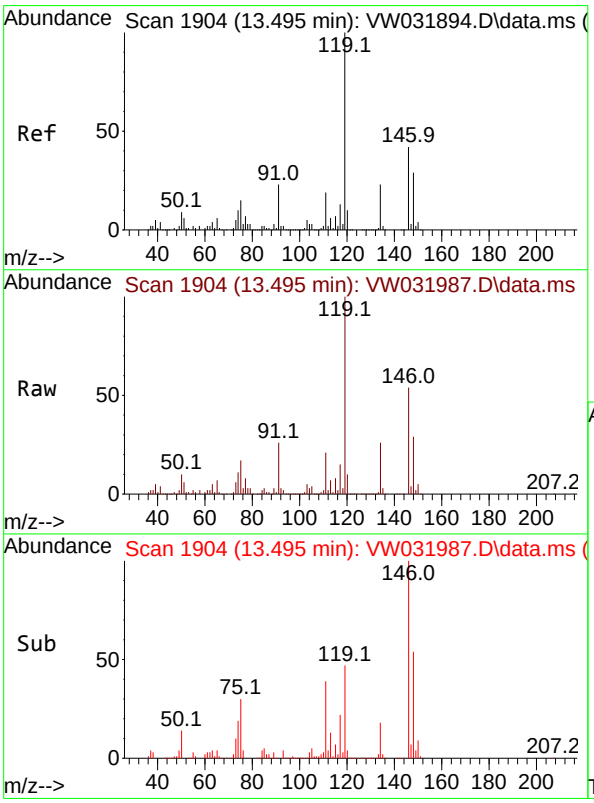
#85
sec-Butylbenzene
Concen: 51.273 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 826119

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.2	27.6

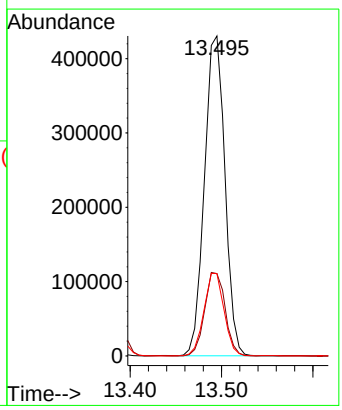


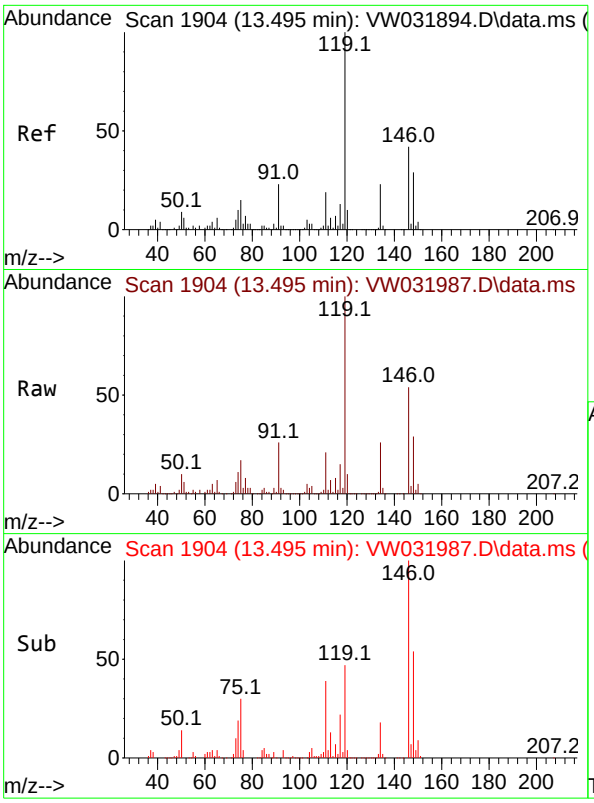


#86
p-Isopropyltoluene
Concen: 50.226 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:119 Resp: 668872

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	25.3	12.7	38.1



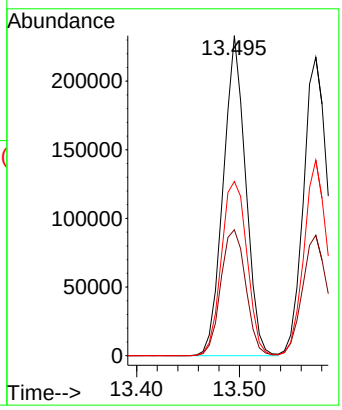


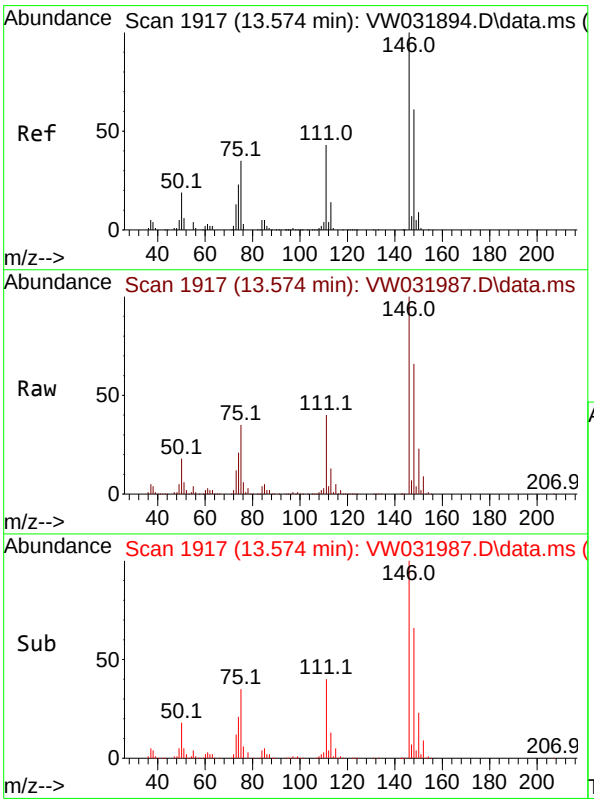
#87
1,3-Dichlorobenzene
Concen: 52.145 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 352709

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	62.4	31.9	95.5

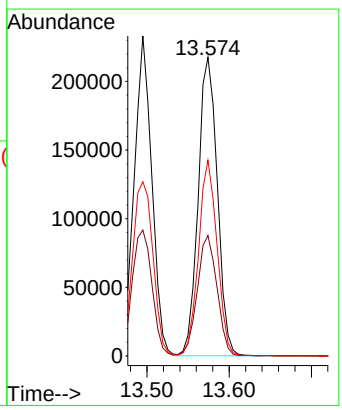


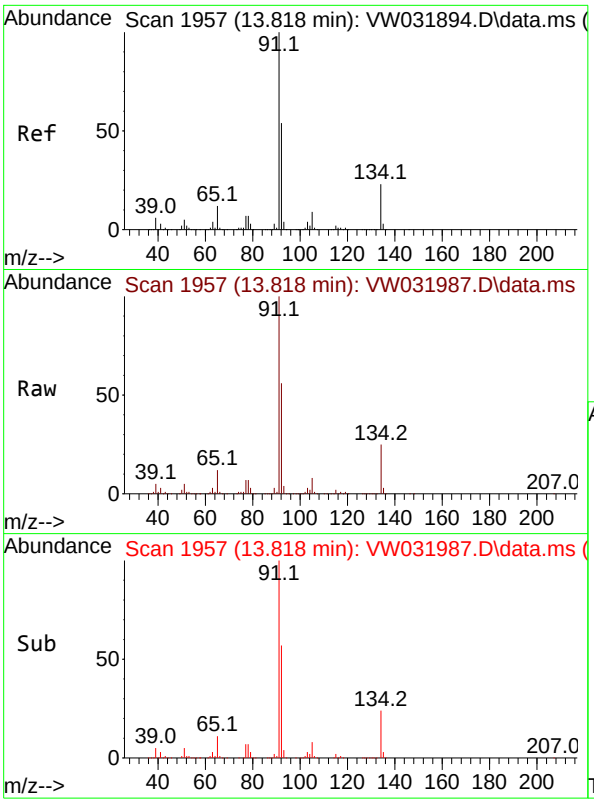


#88
1,4-Dichlorobenzene
Concen: 53.064 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:146 Resp: 351606

Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.1	66.3
148	63.5	31.8	95.3



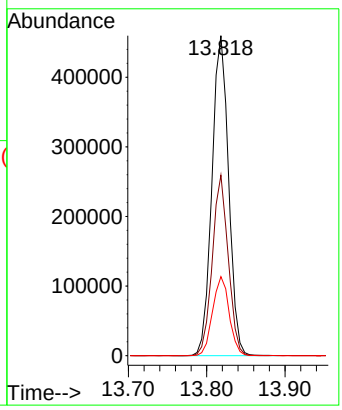


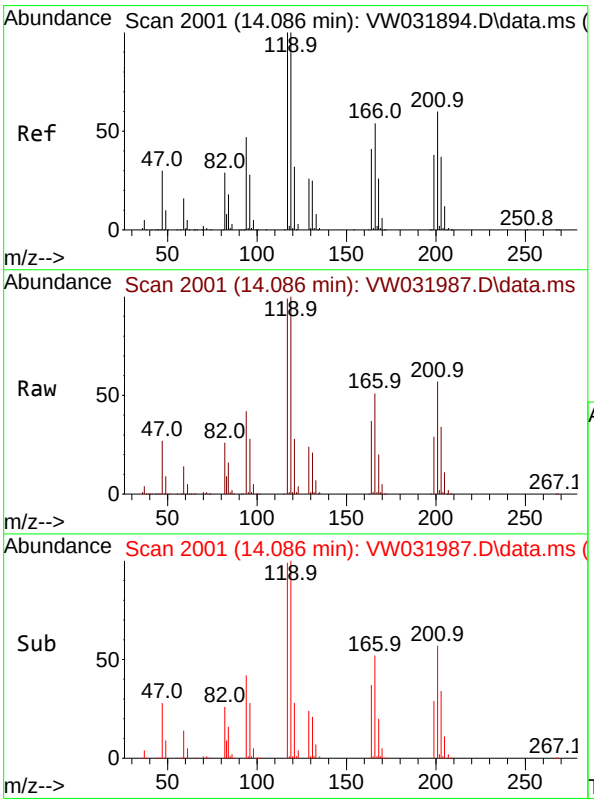
#89
n-Butylbenzene
Concen: 52.053 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 680026

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.2	81.5
134	24.6	11.6	34.7

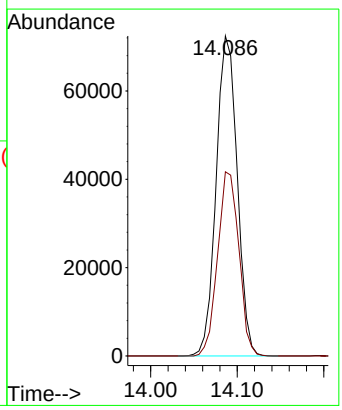


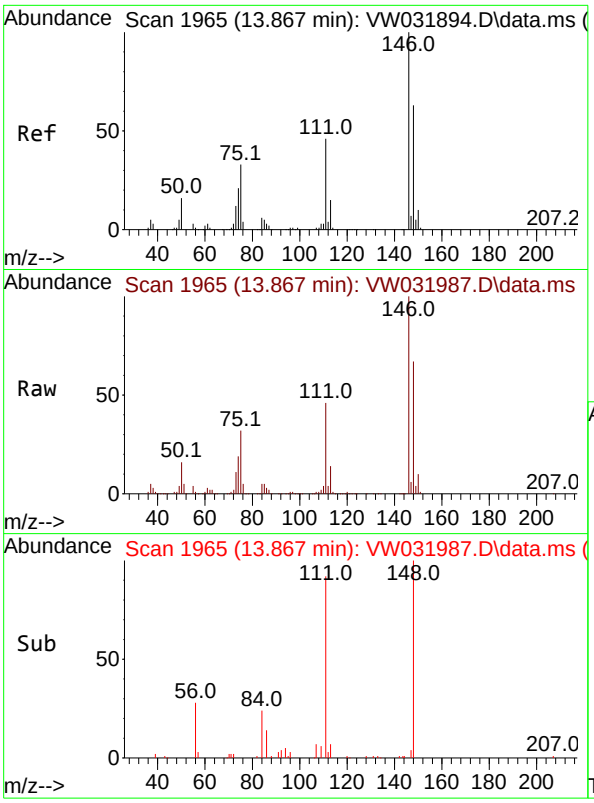


#90
Hexachloroethane
Concen: 53.146 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:117 Resp: 122385

Ion	Ratio	Lower	Upper
117	100		
201	58.1	28.4	85.2



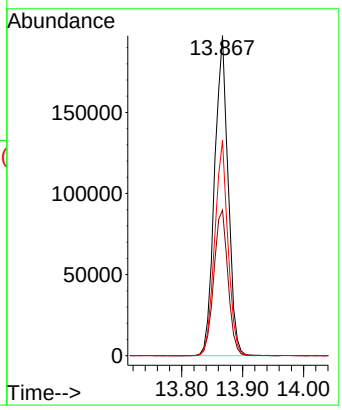


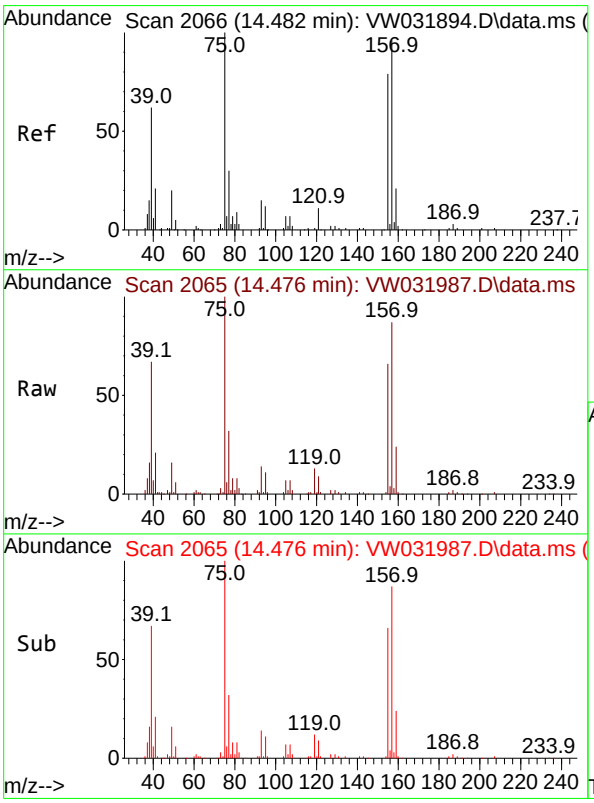
#91
1,2-Dichlorobenzene
Concen: 50.911 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 305187

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.6	71.0
148	65.6	32.4	97.2

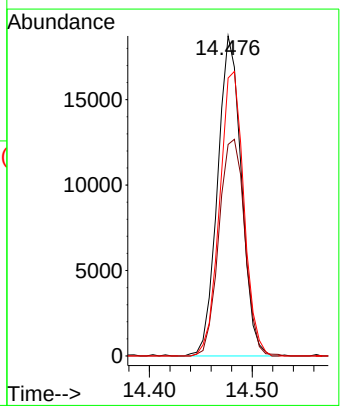


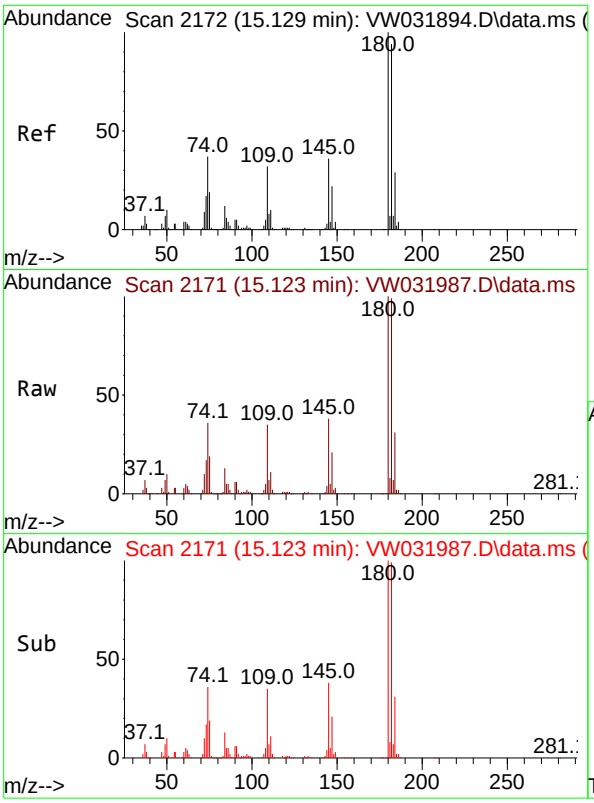


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.255 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion: 75 Resp: 30095

Ion	Ratio	Lower	Upper
75	100		
155	73.6	35.9	107.7
157	90.3	47.4	142.2



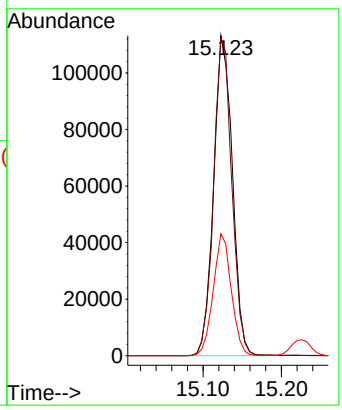


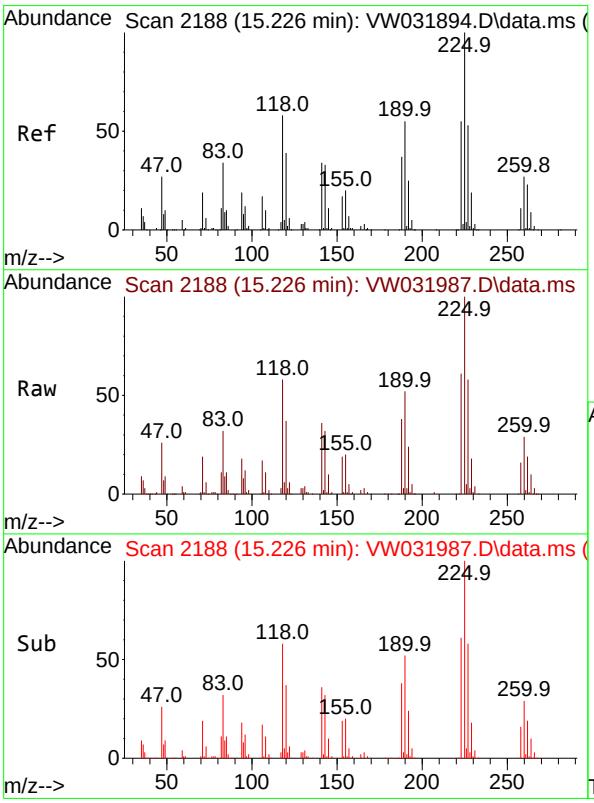
#93
1,2,4-Trichlorobenzene
Concen: 51.994 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 187968

Ion	Ratio	Lower	Upper
180	100		
182	97.1	51.0	153.1
145	36.8	18.4	55.4

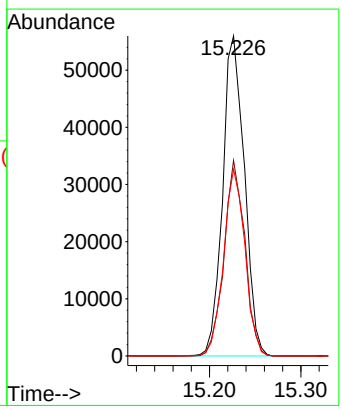


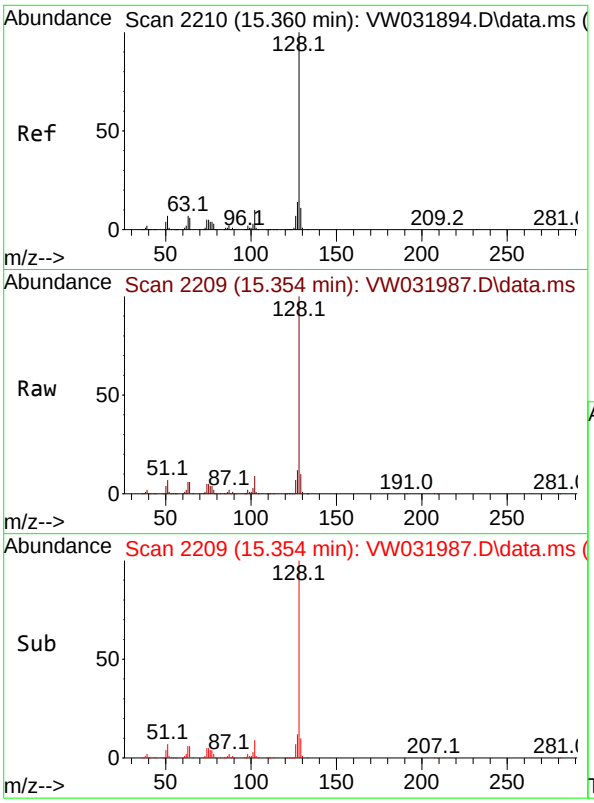


#94
Hexachlorobutadiene
Concen: 54.030 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:225 Resp: 92557

Ion	Ratio	Lower	Upper
225	100		
223	58.5	30.9	92.7
227	57.4	30.0	90.1



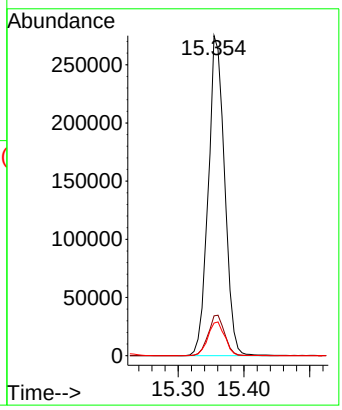


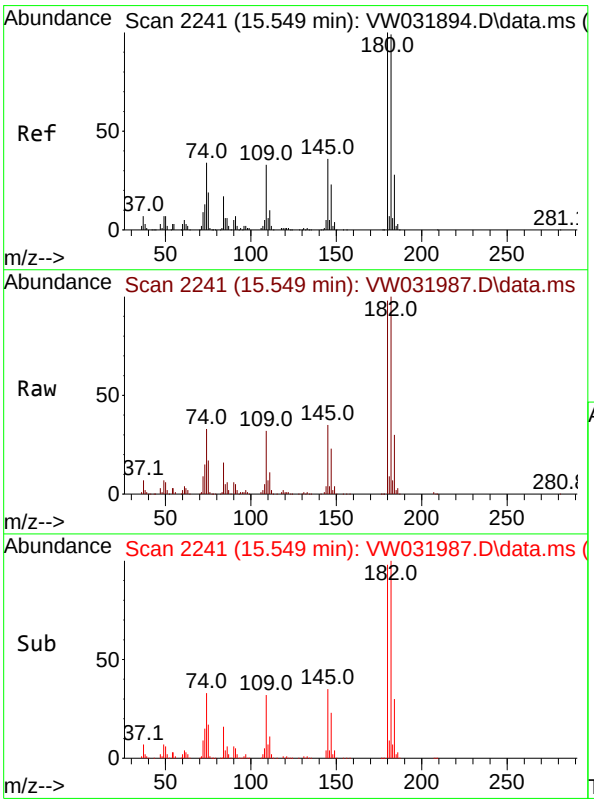
#95
Naphthalene
Concen: 53.533 ug/l
RT: 15.354 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 475796

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.0	9.2	13.8

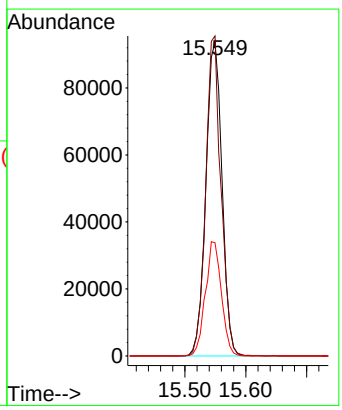




#96
1,2,3-Trichlorobenzene
Concen: 52.703 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031987.D
Acq: 04 Aug 2025 09:24

Tgt Ion:180 Resp: 172628

Ion	Ratio	Lower	Upper
180	100		
182	96.2	50.4	151.2
145	36.3	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	212167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169564	52.831	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.660%			
35) Dibromofluoromethane	7.904	113	146436	55.935	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.860%			
50) Toluene-d8	10.325	98	550944	55.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.200%			
62) 4-Bromofluorobenzene	12.617	95	212555	55.869	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	27329	17.331	ug/l	98
3) Chloromethane	2.253	50	39680	19.605	ug/l	97
4) Vinyl Chloride	2.405	62	46409	17.652	ug/l	97
5) Bromomethane	2.820	94	36463	18.834	ug/l	91
6) Chloroethane	2.966	64	34529	19.899	ug/l	99
7) Trichlorofluoromethane	3.302	101	40314	15.139	ug/l	94
8) Diethyl Ether	3.716	74	32241	18.125	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	50668	19.782	ug/l	96
10) Methyl Iodide	4.308	142	72753	18.998	ug/l	98
11) Tert butyl alcohol	5.210	59	18269	96.835	ug/l #	86
12) 1,1-Dichloroethene	4.070	96	53822	19.025	ug/l	95
13) Acrolein	3.930	56	14391	46.904	ug/l	97
14) Allyl chloride	4.704	41	82355	18.700	ug/l	99
15) Acrylonitrile	5.405	53	74121	93.204	ug/l	100
16) Acetone	4.167	43	92848	121.910	ug/l	100
17) Carbon Disulfide	4.417	76	136161	18.558	ug/l	98
18) Methyl Acetate	4.704	43	41583	19.818	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97032	19.851	ug/l	97
20) Methylene Chloride	4.954	84	64153	16.584	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	57319	19.096	ug/l	96
22) Diisopropyl ether	6.338	45	172318	19.554	ug/l	98
23) Vinyl Acetate	6.283	43	531605	92.336	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107640	19.618	ug/l	99
25) 2-Butanone	7.197	43	108535	104.155	ug/l	97
26) 2,2-Dichloropropane	7.185	77	59289	19.087	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68826	19.504	ug/l	99
28) Bromochloromethane	7.526	49	45634	19.865	ug/l	98
29) Tetrahydrofuran	7.551	42	61996	90.744	ug/l	99
30) Chloroform	7.697	83	117366	20.401	ug/l	95
31) Cyclohexane	7.972	56	88545	17.988	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	88389	20.191	ug/l	95
36) 1,1-Dichloropropene	8.100	75	79810	19.851	ug/l	99
37) Ethyl Acetate	7.277	43	42860	18.688	ug/l	99
38) Carbon Tetrachloride	8.081	117	77445	20.071	ug/l	99
39) Methylcyclohexane	9.343	83	93717	18.523	ug/l	97
40) Benzene	8.331	78	242440	20.371	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	25737	18.746	ug/l		95
42) 1,2-Dichloroethane	8.410	62	76204	20.006	ug/l		98
43) Isopropyl Acetate	8.435	43	77055	18.558	ug/l		99
44) Trichloroethene	9.099	130	57832	20.443	ug/l		97
45) 1,2-Dichloropropane	9.374	63	57900	20.201	ug/l		99
46) Dibromomethane	9.465	93	36063	20.297	ug/l		98
47) Bromodichloromethane	9.648	83	87948	20.643	ug/l		97
48) Methyl methacrylate	9.441	41	36741	18.600	ug/l		98
49) 1,4-Dioxane	9.465	88	8243	464.942	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	217393	95.672	ug/l		99
52) Toluene	10.392	92	154561	20.202	ug/l		97
53) t-1,3-Dichloropropene	10.611	75	79291	19.401	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	94470	20.241	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	47999	20.338	ug/l		95
56) Ethyl methacrylate	10.648	69	63067	18.921	ug/l		98
57) 1,3-Dichloropropane	10.934	76	83414	20.062	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	165236	96.510	ug/l		98
59) 2-Hexanone	10.971	43	156530	99.104	ug/l		99
60) Dibromochloromethane	11.129	129	56702	20.606	ug/l		97
61) 1,2-Dibromoethane	11.233	107	45932	19.696	ug/l		95
64) Tetrachloroethene	10.861	164	47201	20.468	ug/l	#	82
65) Chlorobenzene	11.660	112	167687	19.588	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.733	131	53288	20.079	ug/l		98
67) Ethyl Benzene	11.733	91	290411	19.308	ug/l		94
68) m/p-Xylenes	11.837	106	223663	39.501	ug/l		99
69) o-Xylene	12.166	106	105502	19.689	ug/l		98
70) Styrene	12.178	104	184175	20.187	ug/l		98
71) Bromoform	12.349	173	28030	19.312	ug/l	#	96
73) Isopropylbenzene	12.465	105	272143	18.388	ug/l		99
74) N-amyl acetate	12.270	43	70193	17.543	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	58156	18.512	ug/l		98
76) 1,2,3-Trichloropropane	12.763	75	74037	31.437	ug/l	#	100
77) Bromobenzene	12.745	156	64098	20.016	ug/l		88
78) n-propylbenzene	12.800	91	338399	18.616	ug/l		98
79) 2-Chlorotoluene	12.891	91	203033	18.707	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	224663	18.099	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	16672	16.344	ug/l		91
82) 4-Chlorotoluene	12.983	91	216191	18.988	ug/l		100
83) tert-Butylbenzene	13.202	119	198880	18.810	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	227134	18.079	ug/l		95
85) sec-Butylbenzene	13.379	105	288056	18.141	ug/l		98
86) p-Isopropyltoluene	13.495	119	241954	18.436	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	128413	19.264	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	126546	19.379	ug/l		98
89) n-Butylbenzene	13.818	91	234020	18.177	ug/l		99
90) Hexachloroethane	14.086	117	42519	18.736	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	116699	19.754	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9814	17.291	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	70374	19.753	ug/l		92
94) Hexachlorobutadiene	15.226	225	30332	17.967	ug/l		94
95) Naphthalene	15.360	128	155462	17.749	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	60864	18.855	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

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

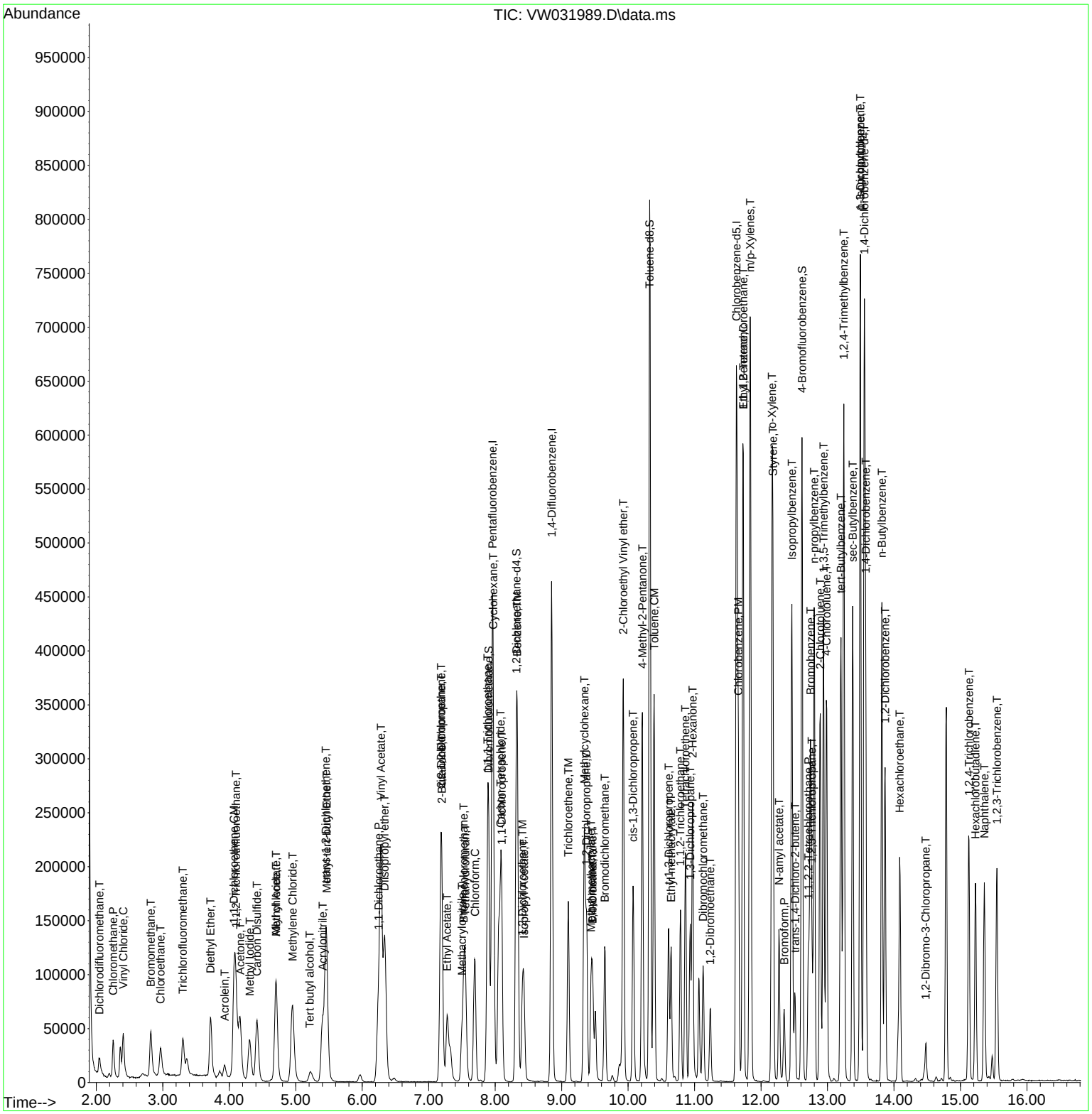
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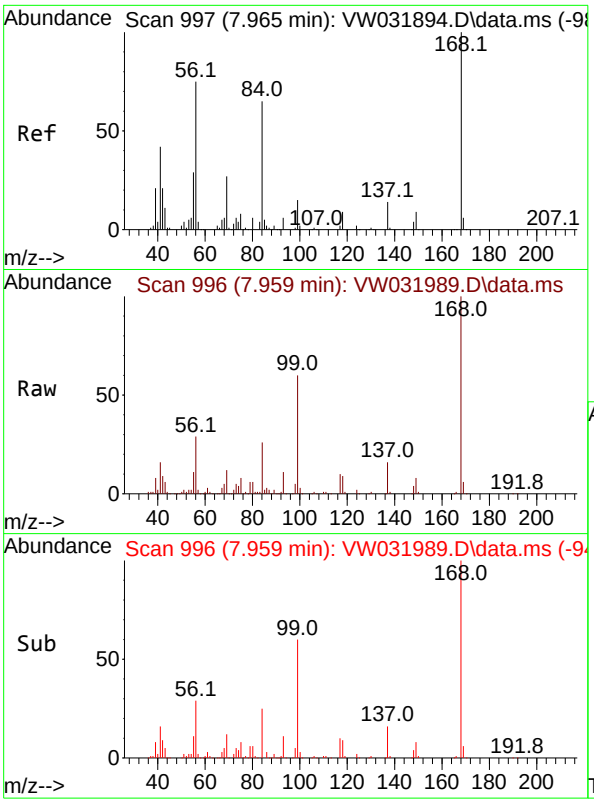
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW031989.D
Acq On : 04 Aug 2025 10:20
Operator : SY/MD
Sample : VW0804SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Quant Time: Aug 05 01:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



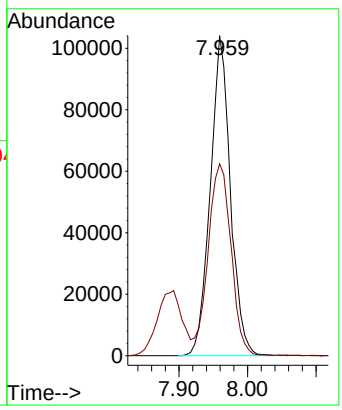


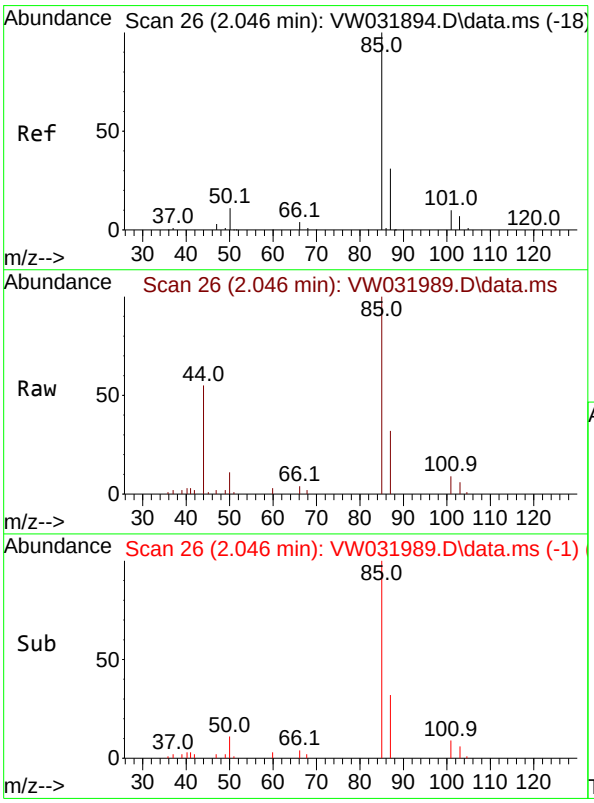
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:168 Resp: 212167

Ion	Ratio	Lower	Upper
168	100		
99	59.7	48.2	72.2

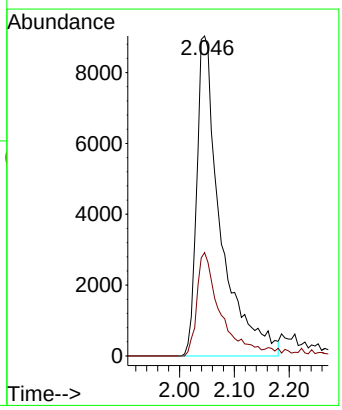


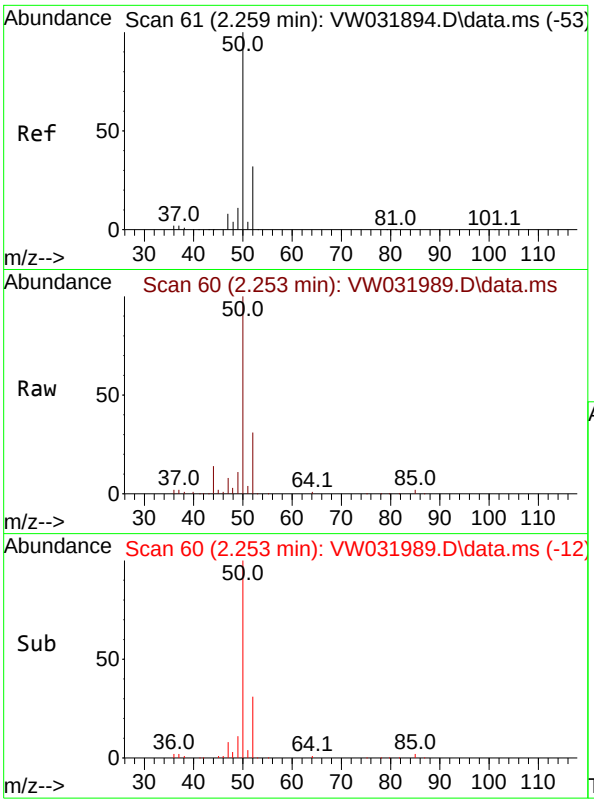


#2
Dichlorodifluoromethane
Concen: 17.331 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 85 Resp: 27329

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.5	46.5



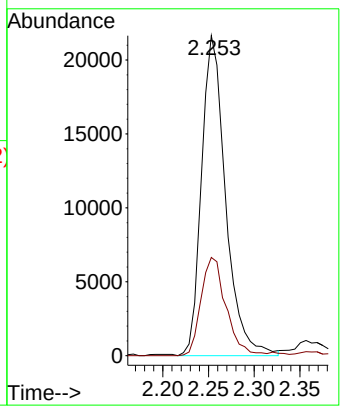


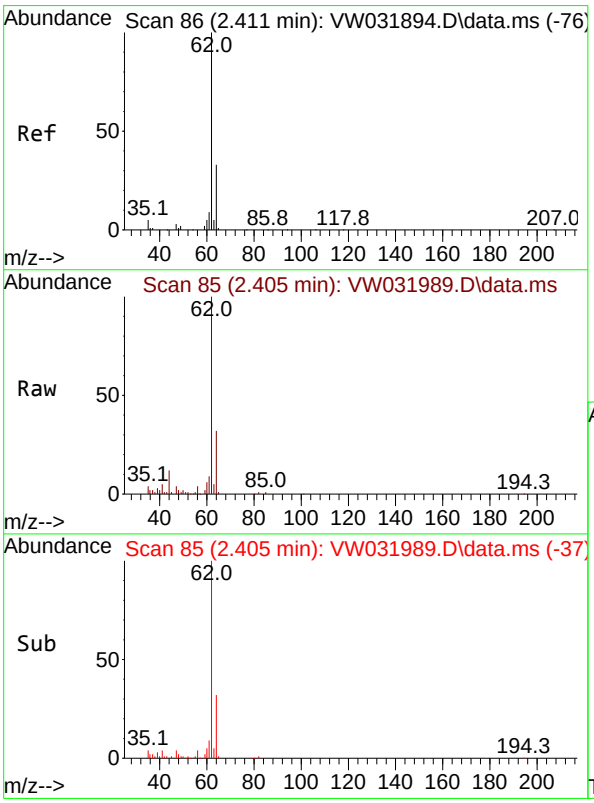
#3
Chloromethane
Concen: 19.605 ug/l
RT: 2.253 min Scan# 6
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 50 Resp: 39680

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5

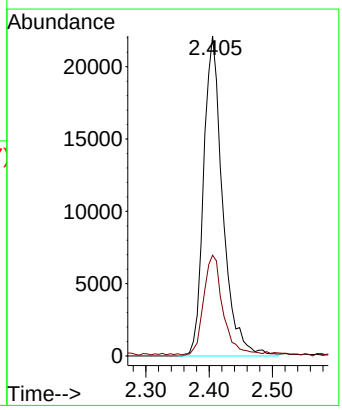


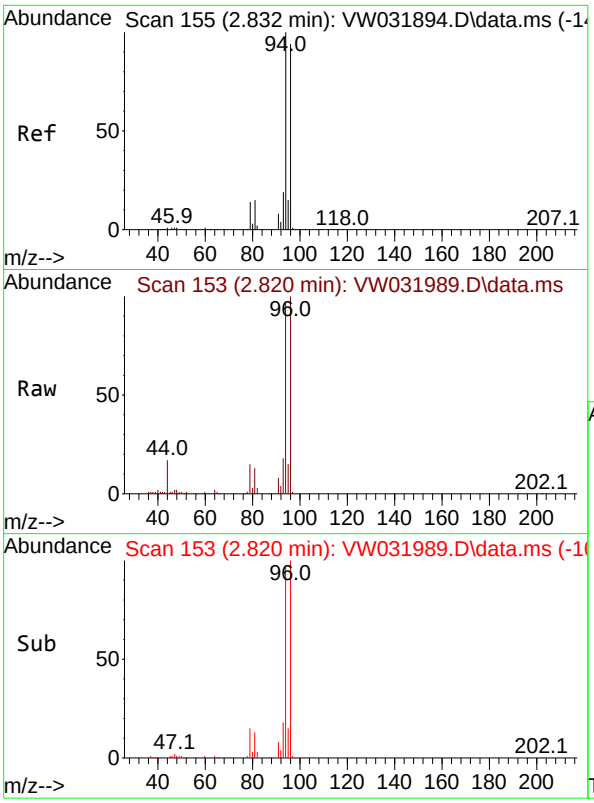


#4
Vinyl Chloride
Concen: 17.652 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 62 Resp: 46409

Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.2	39.2



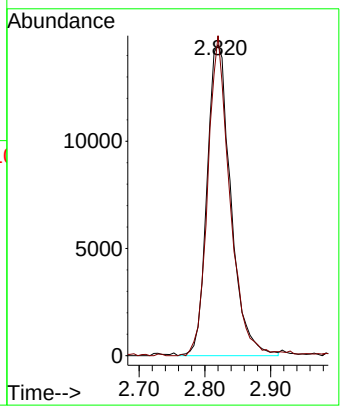


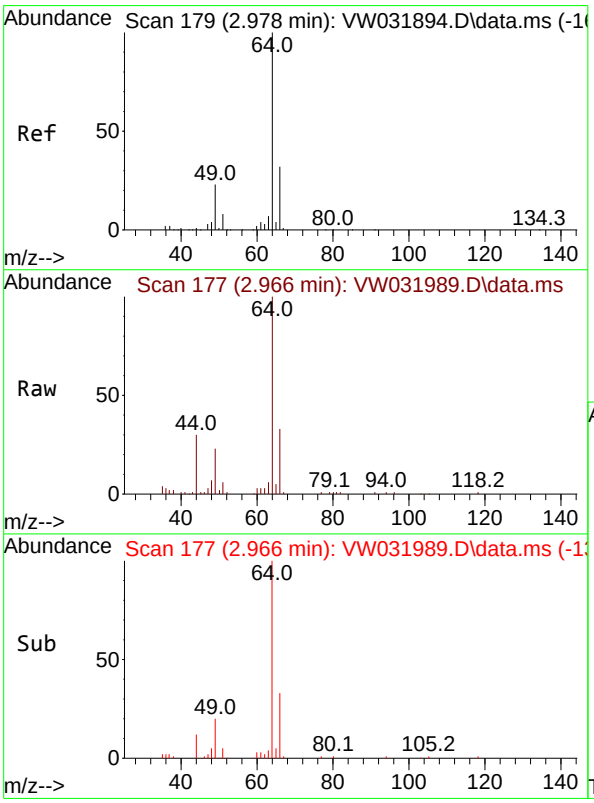
#5
Bromomethane
Concen: 18.834 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 94 Resp: 36463

Ion	Ratio	Lower	Upper
94	100		
96	102.9	75.0	112.6

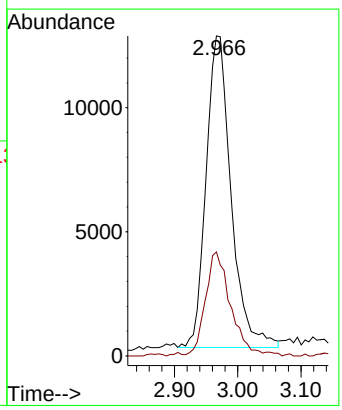


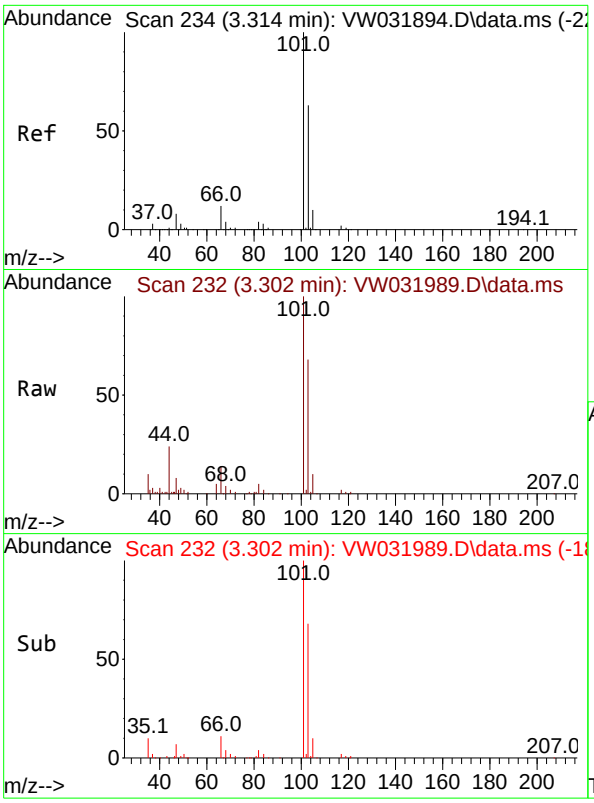


#6
Chloroethane
Concen: 19.899 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 64 Resp: 34529

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.6	38.4



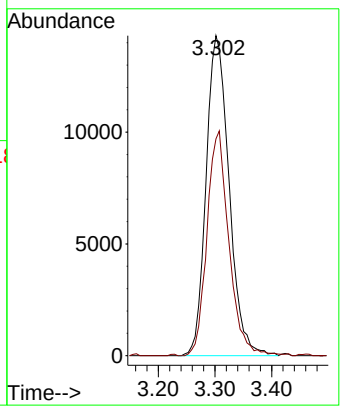


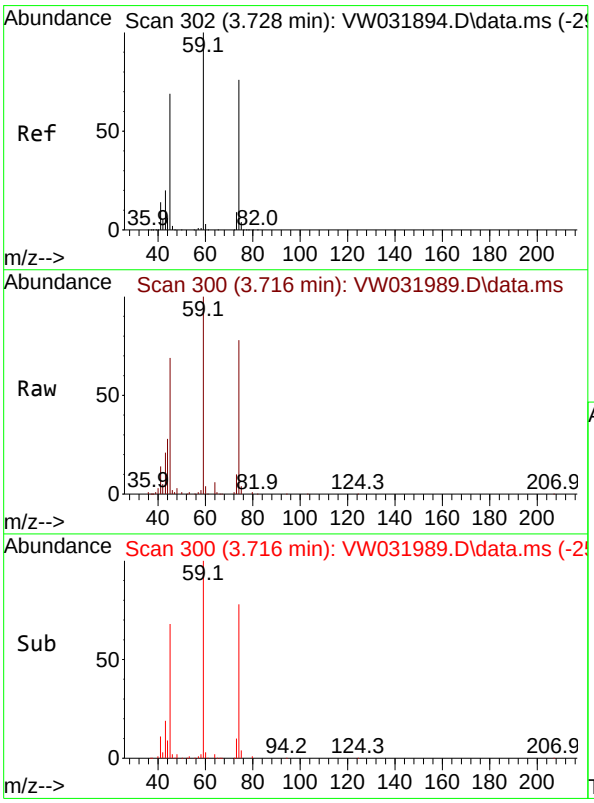
#7
Trichlorofluoromethane
Concen: 15.139 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:101 Resp: 40314

Ion	Ratio	Lower	Upper
101	100		
103	67.8	50.7	76.1

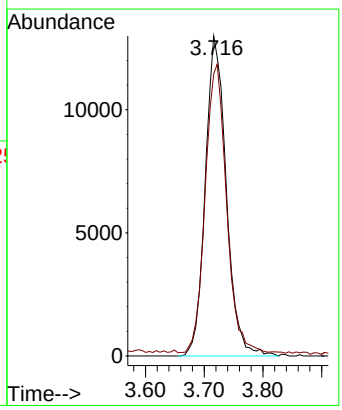


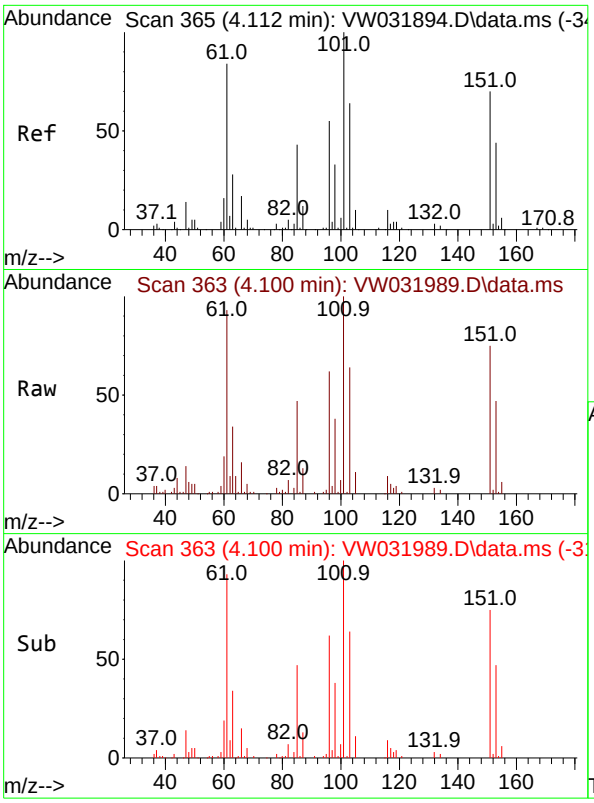


#8
Diethyl Ether
Concen: 18.125 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 74 Resp: 32241

Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.5	136.5



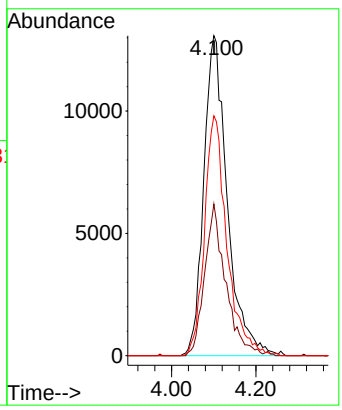


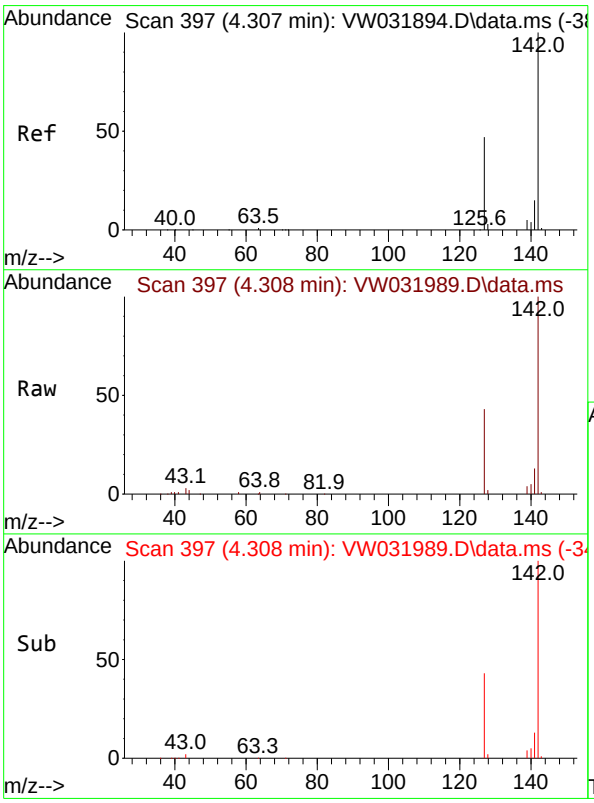
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.782 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:101 Resp: 50668

Ion	Ratio	Lower	Upper
101	100		
85	42.4	35.5	53.3
151	71.5	54.6	81.8

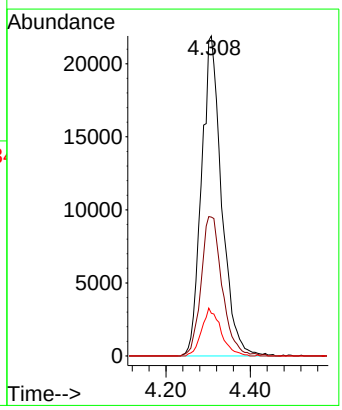


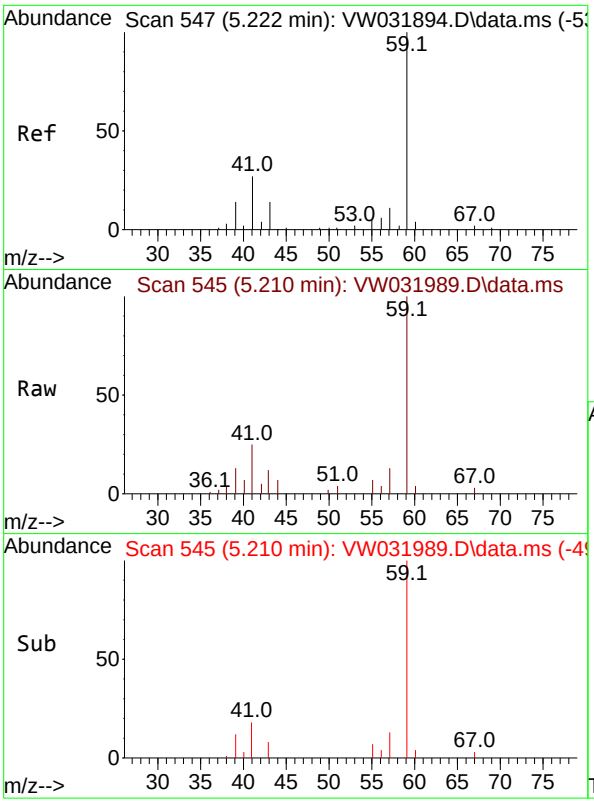


#10
Methyl Iodide
Concen: 18.998 ug/l
RT: 4.308 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:142 Resp: 72753

Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.4	56.2
141	14.3	11.9	17.9



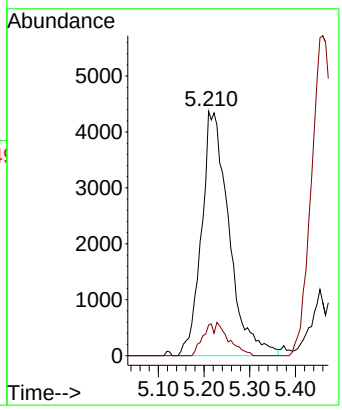


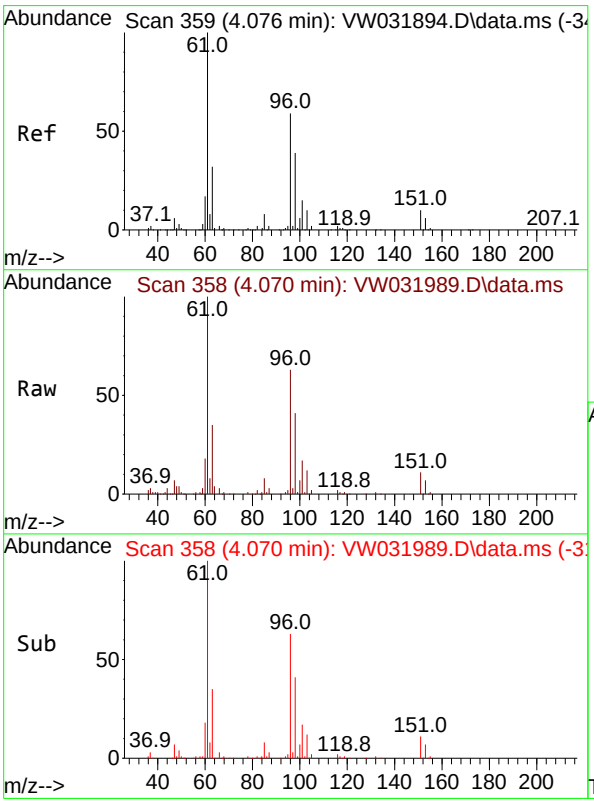
#11
Tert butyl alcohol
Concen: 96.835 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 59 Resp: 18269

Ion	Ratio	Lower	Upper
59	100		
57	5.6	8.6	12.8#

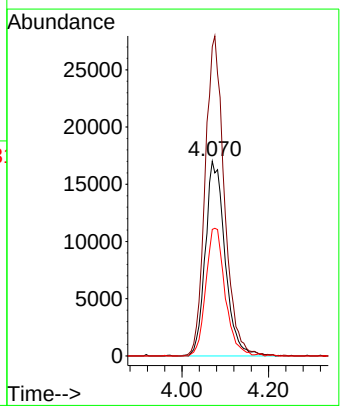


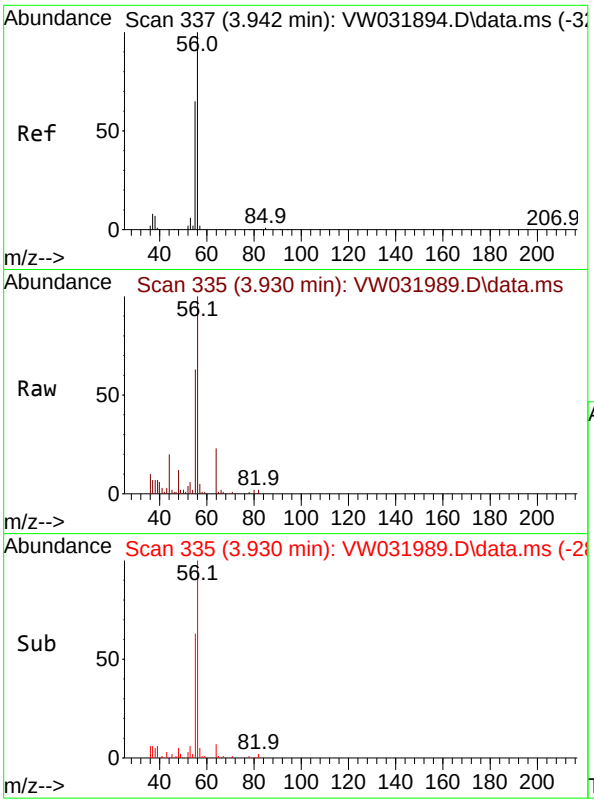


#12
1,1-Dichloroethene
Concen: 19.025 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 96 Resp: 53822

Ion	Ratio	Lower	Upper
96	100		
61	158.8	135.0	202.6
98	65.0	52.3	78.5



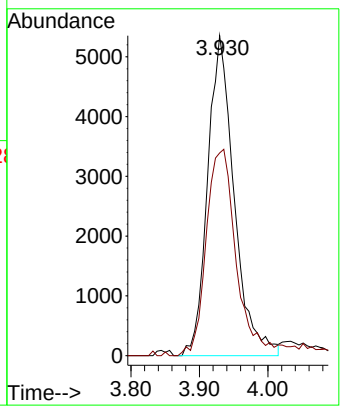


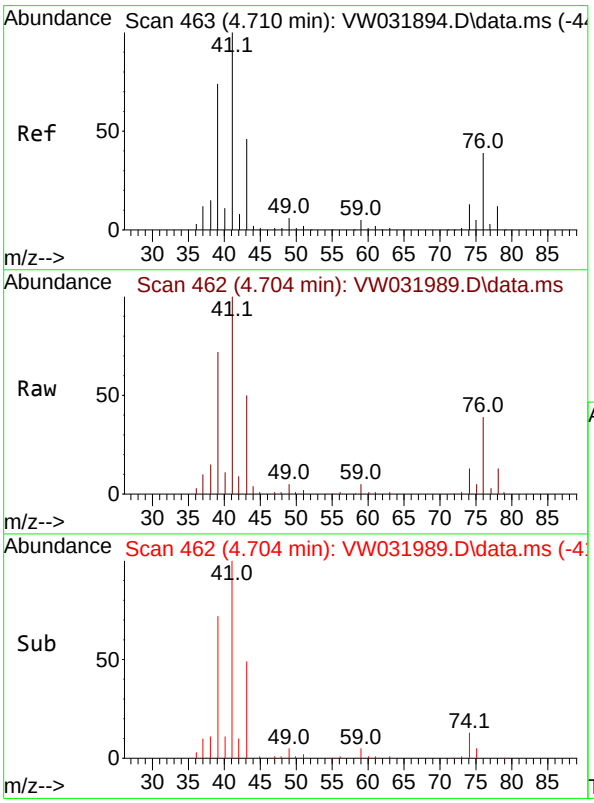
#13
Acrolein
Concen: 46.904 ug/l
RT: 3.930 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 56 Resp: 14391

Ion	Ratio	Lower	Upper
56	100		
55	73.7	56.7	85.1

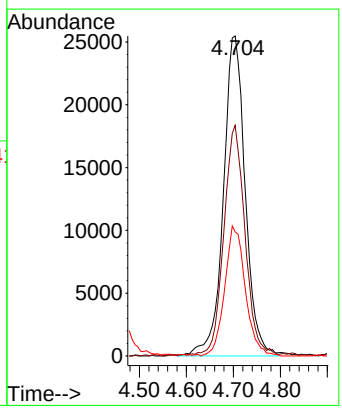


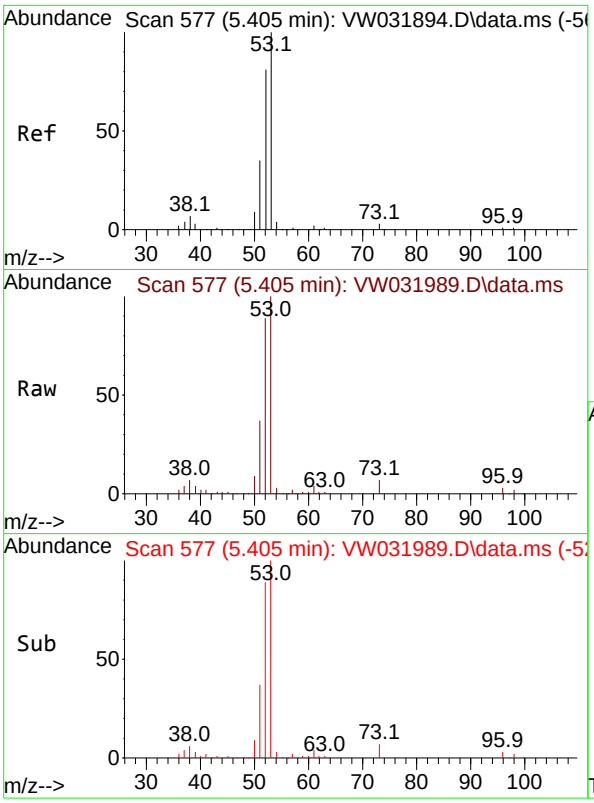


#14
Allyl chloride
Concen: 18.700 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 41 Resp: 82355

Ion	Ratio	Lower	Upper
41	100		
39	70.5	56.6	85.0
76	38.3	30.1	45.1



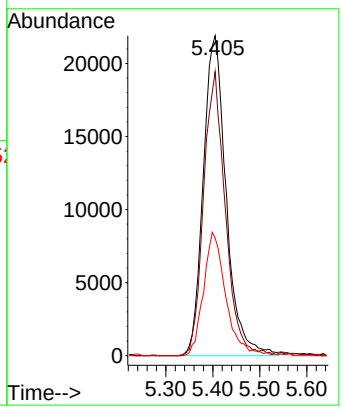


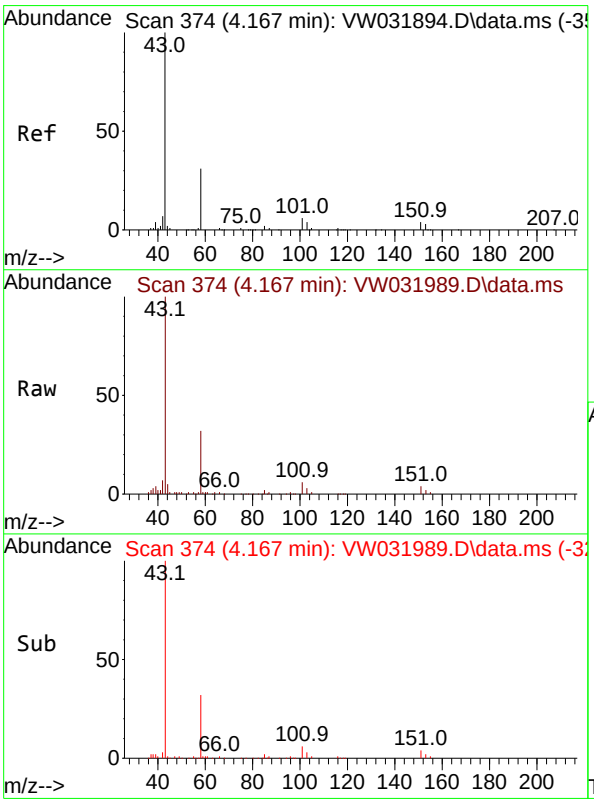
#15
Acrylonitrile
Concen: 93.204 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 53 Resp: 74121

Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.0	100.4
51	37.5	29.9	44.9

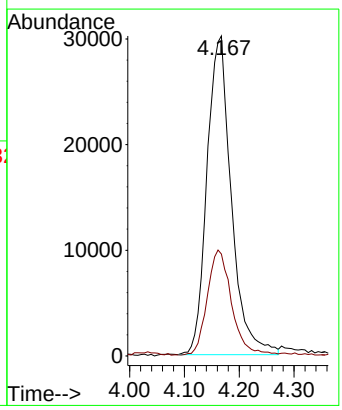


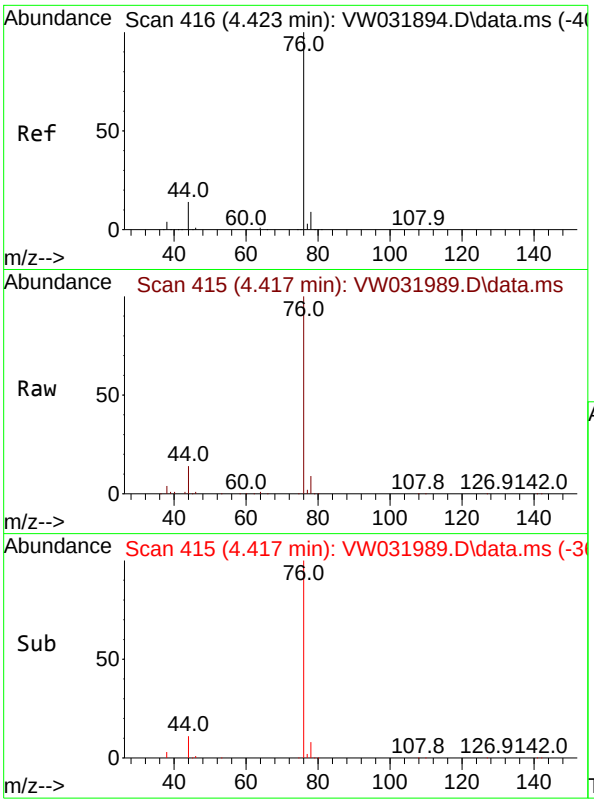


#16
Acetone
Concen: 121.910 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 92848

Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.5	38.3



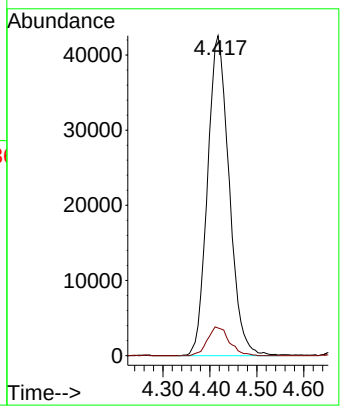


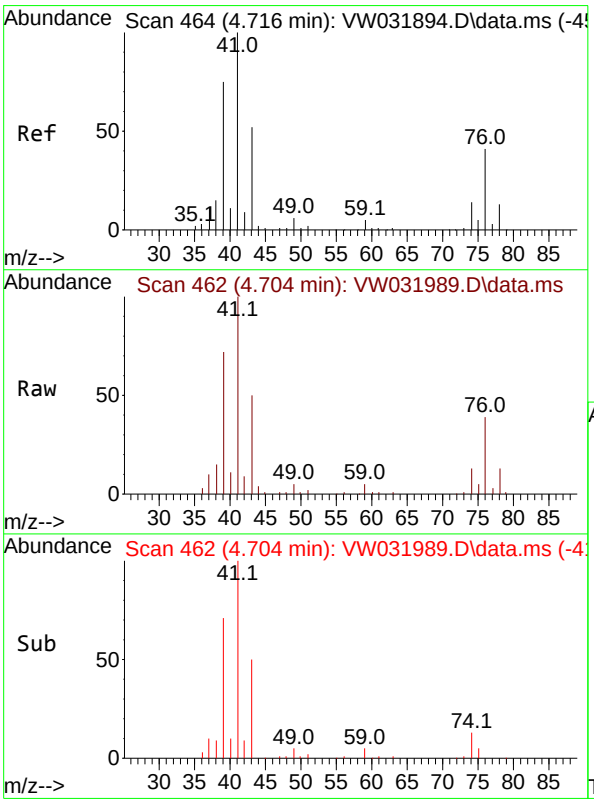
#17
Carbon Disulfide
Concen: 18.558 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 76 Resp: 136161

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

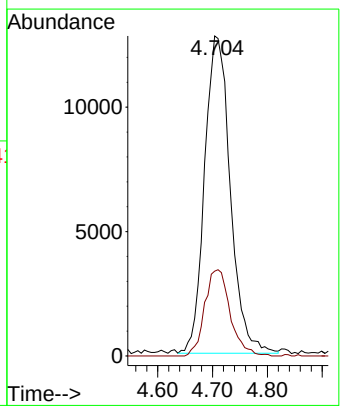


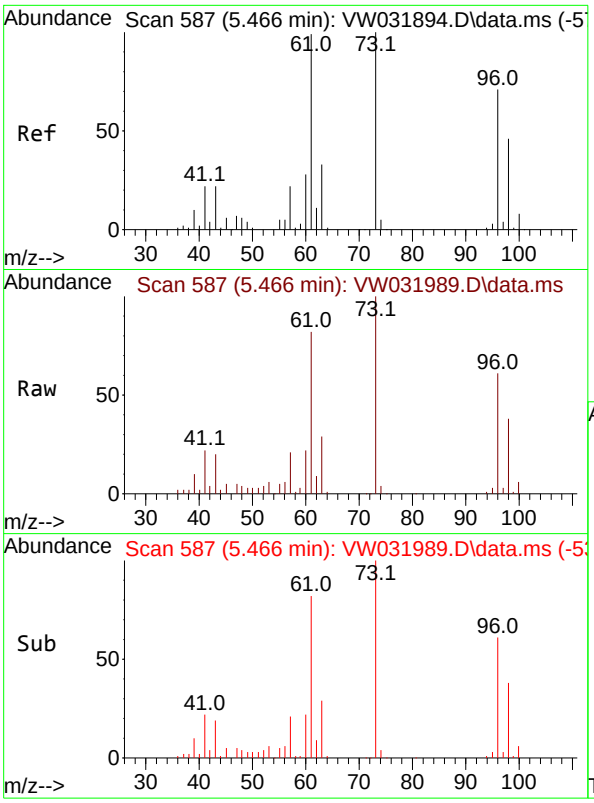


#18
Methyl Acetate
Concen: 19.818 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 41583

Ion	Ratio	Lower	Upper
43	100		
74	26.8	20.6	31.0



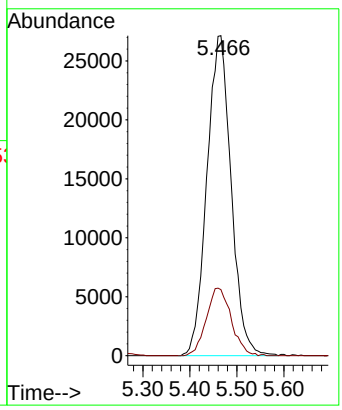


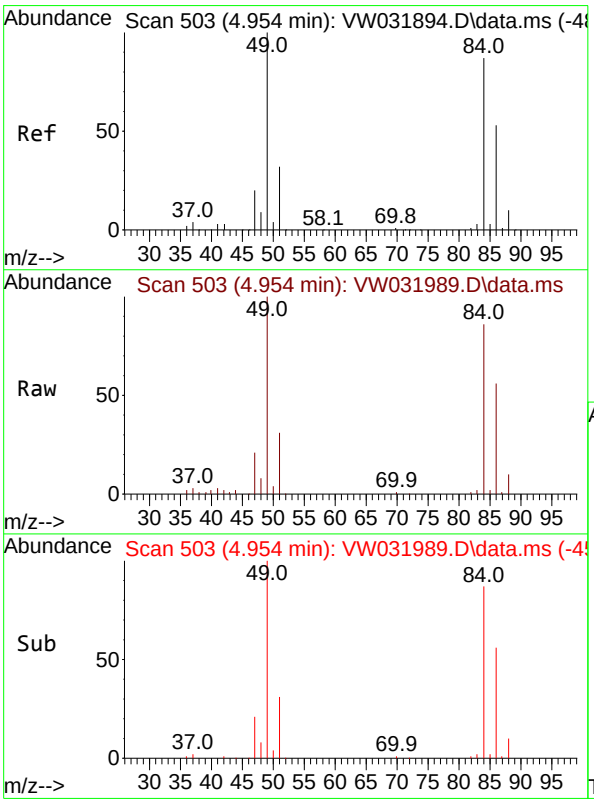
#19
Methyl tert-butyl Ether
Concen: 19.851 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 73 Resp: 97032

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.5	26.3

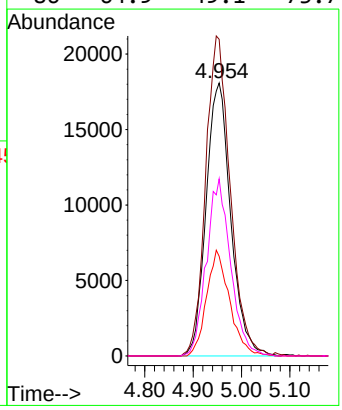


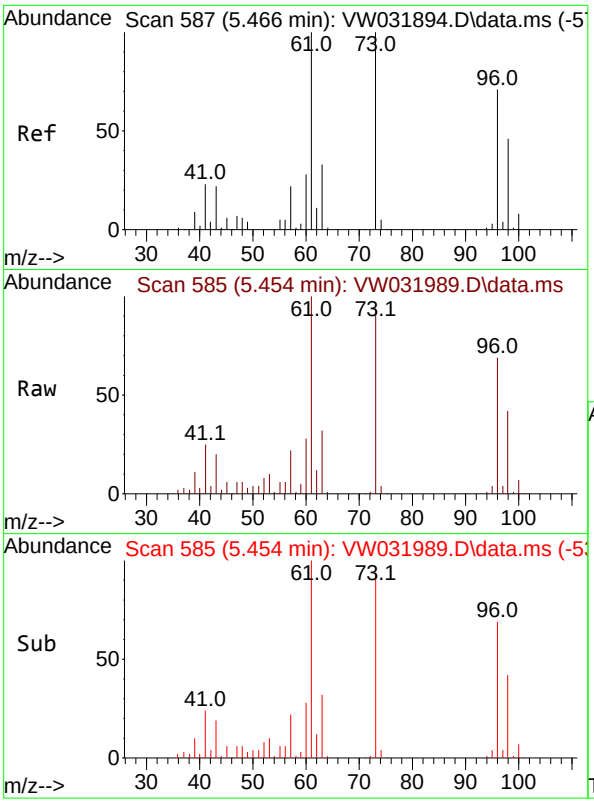


#20
Methylene Chloride
Concen: 16.584 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 84 Resp: 64153

Ion	Ratio	Lower	Upper
84	100		
49	116.0	91.9	137.9
51	36.5	29.0	43.6
86	64.9	49.1	73.7



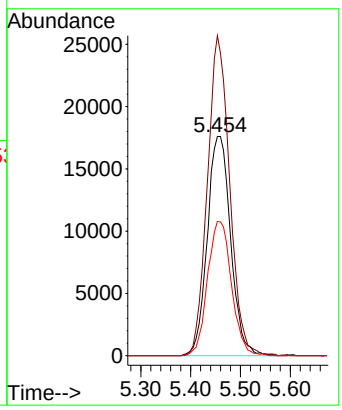


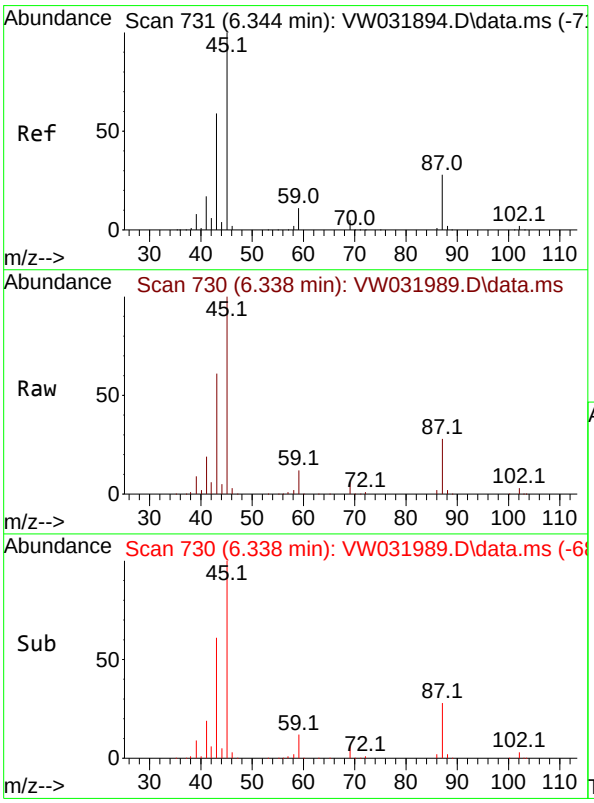
#21
trans-1,2-Dichloroethene
Concen: 19.096 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.012 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 96 Resp: 57319

Ion	Ratio	Lower	Upper
96	100		
61	145.9	112.8	169.2
98	61.2	51.9	77.9

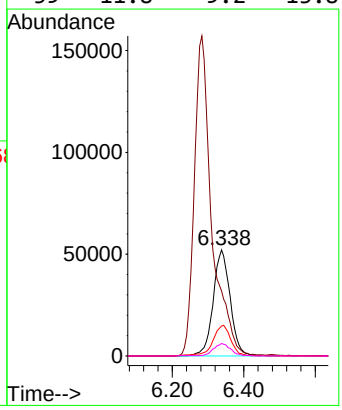


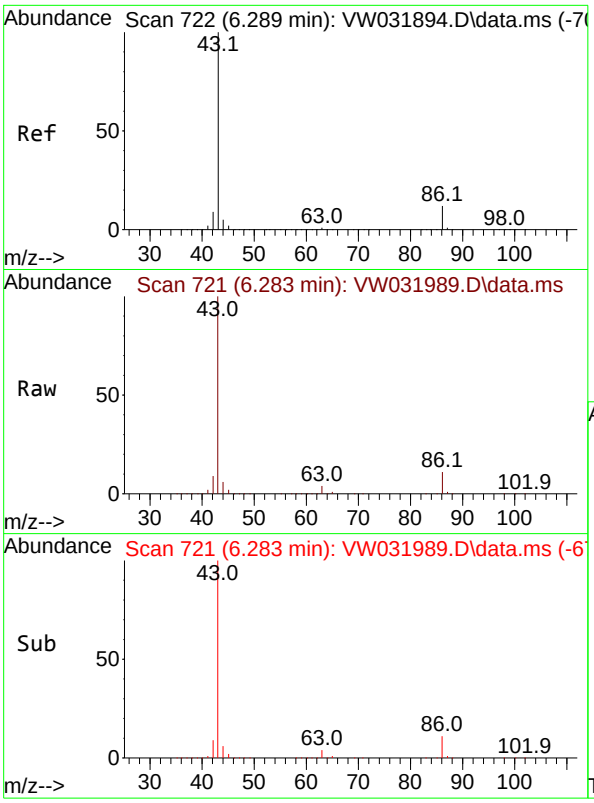


#22
Diisopropyl ether
Concen: 19.554 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 45 Resp: 172318

Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.0	70.6
87	28.1	22.8	34.2
59	11.8	9.2	13.8



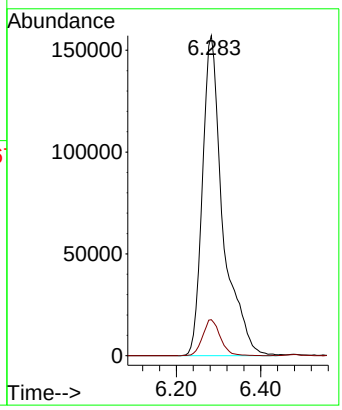


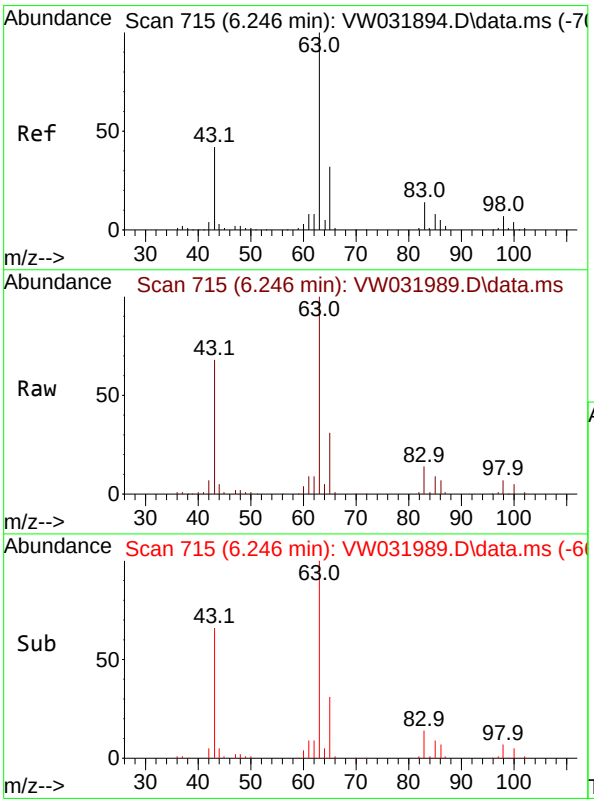
#23
Vinyl Acetate
Concen: 92.336 ug/l
RT: 6.283 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 531605

Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.4	14.2

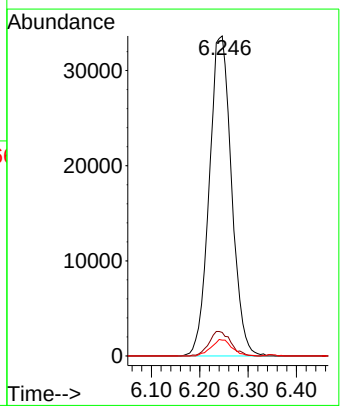


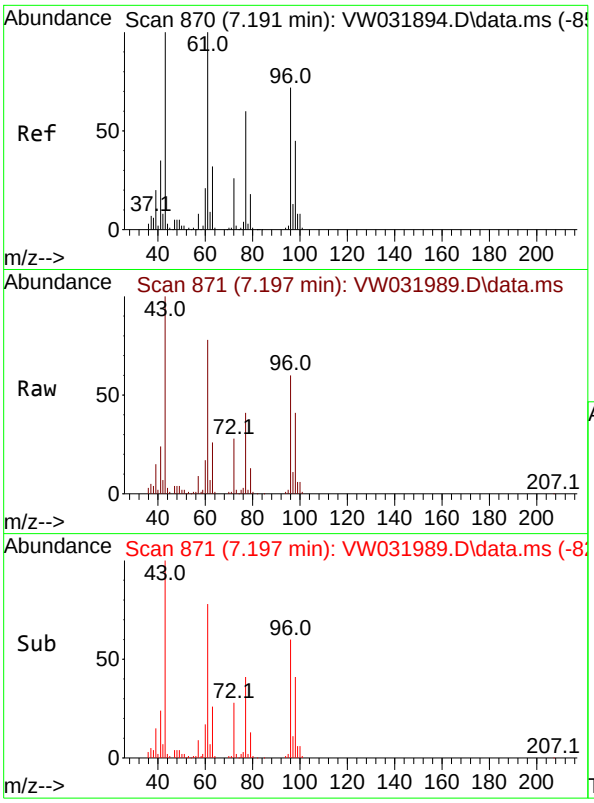


#24
1,1-Dichloroethane
Concen: 19.618 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 63 Resp: 107640

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.9
100	4.9	2.2	6.6



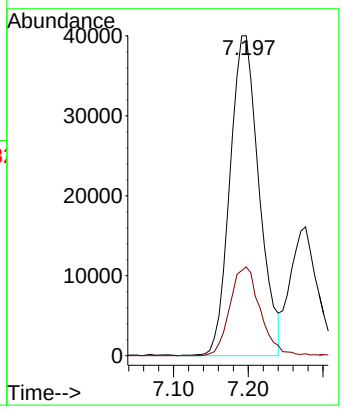


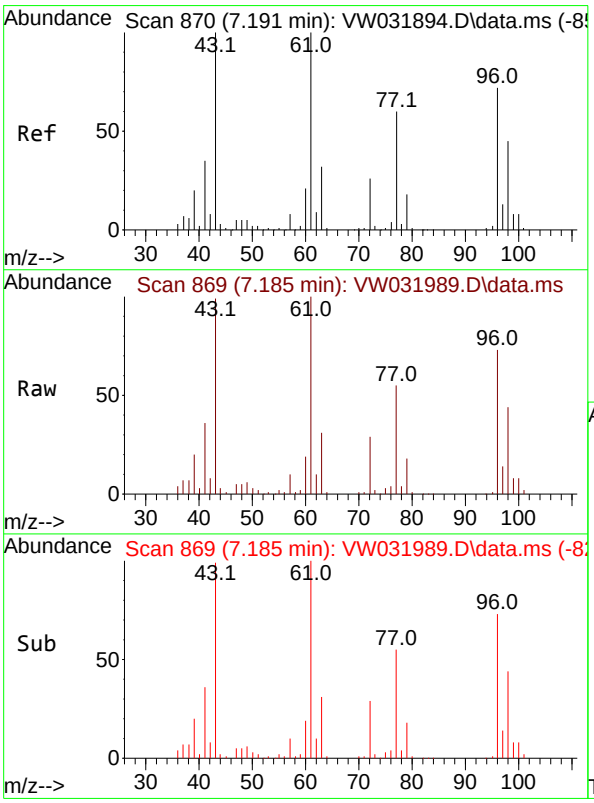
#25
2-Butanone
Concen: 104.155 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 108535

Ion	Ratio	Lower	Upper
43	100		
72	27.8	20.8	31.2

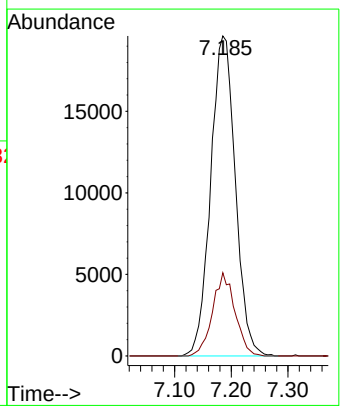


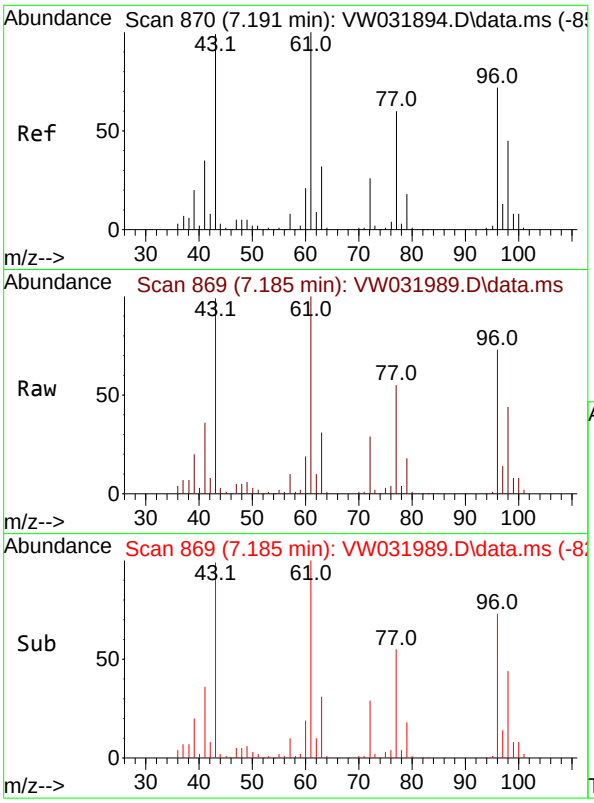


#26
2,2-Dichloropropane
Concen: 19.087 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 77 Resp: 59289

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.4	34.1



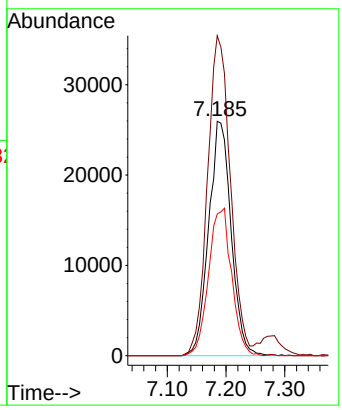


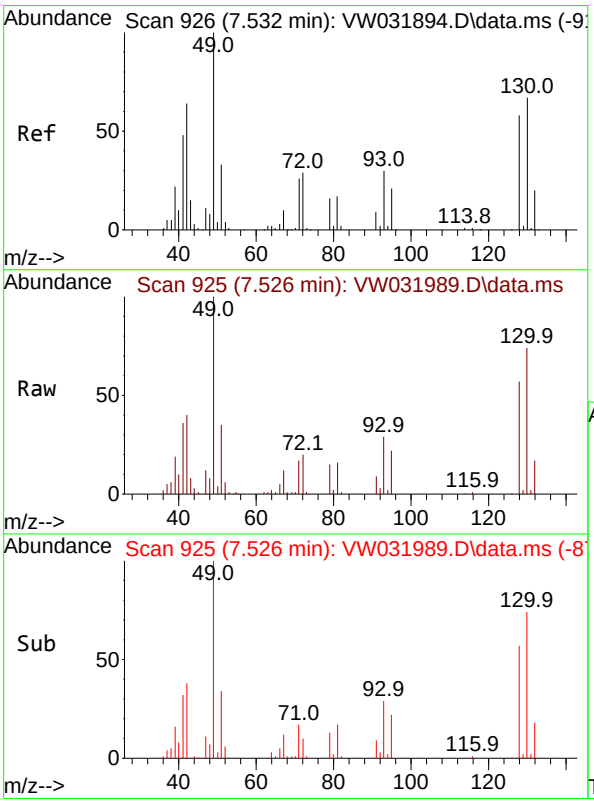
#27
cis-1,2-Dichloroethene
Concen: 19.504 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 96 Resp: 68826

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	280.2
98	64.6	0.0	126.8

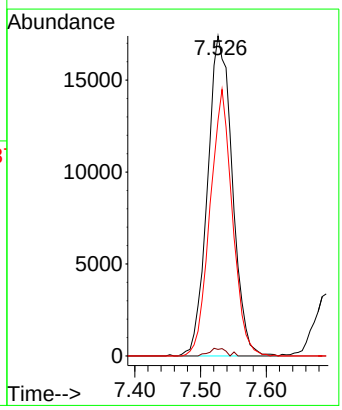


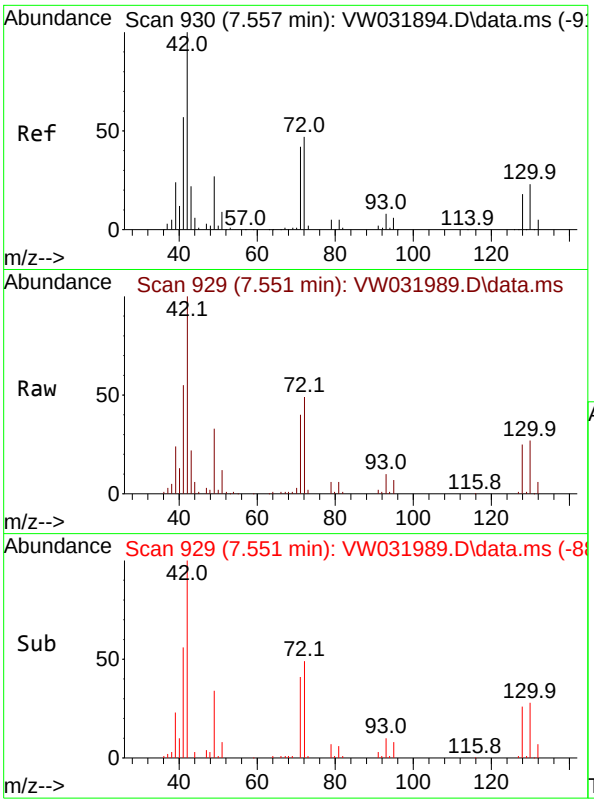


#28
Bromochloromethane
Concen: 19.865 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 49 Resp: 45634

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	75.5	59.0	88.4



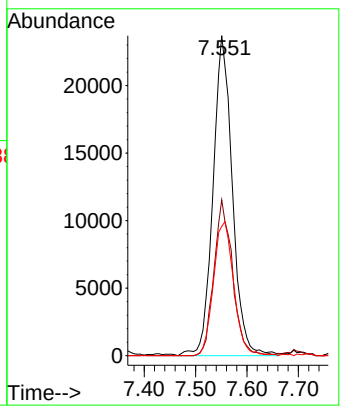


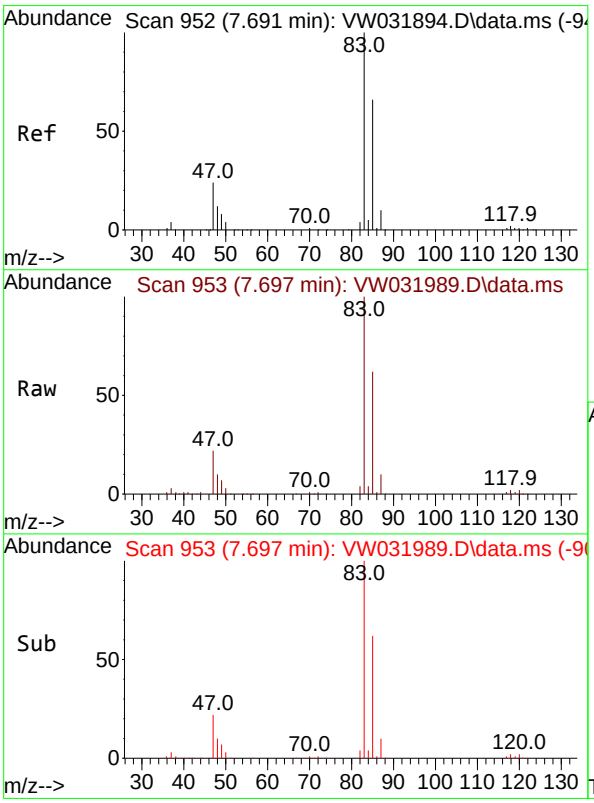
#29
Tetrahydrofuran
Concen: 90.744 ug/l
RT: 7.551 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 42 Resp: 61996

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	43.8	34.5	51.7

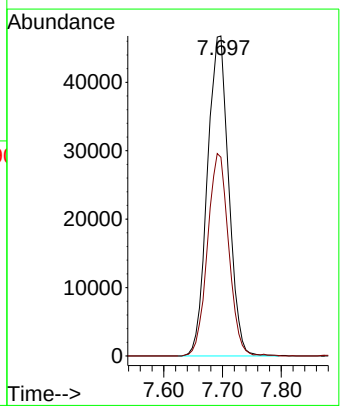


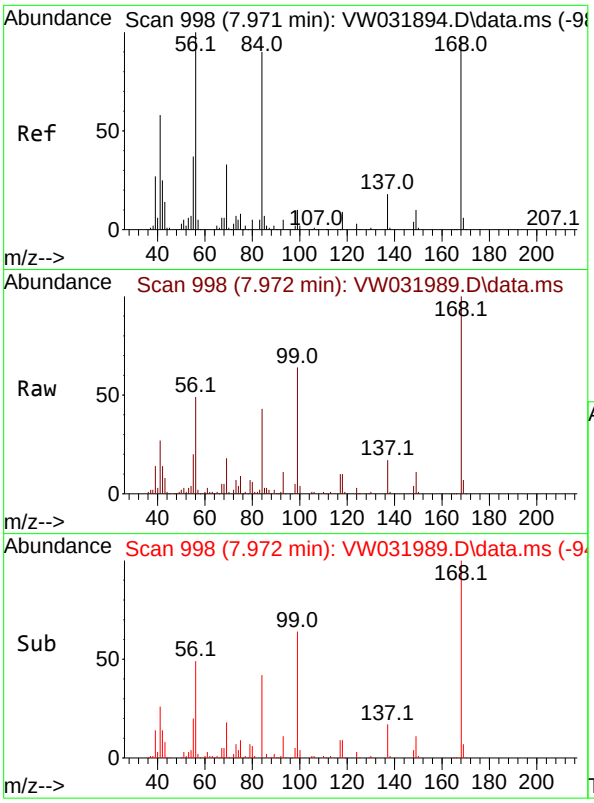


#30
Chloroform
Concen: 20.401 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 83 Resp: 117366

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	78.8



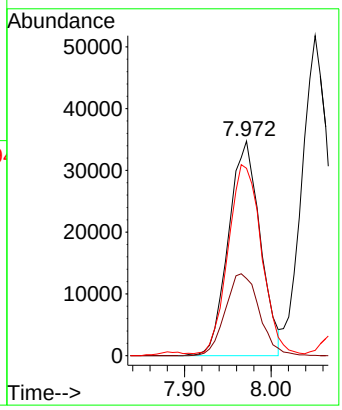


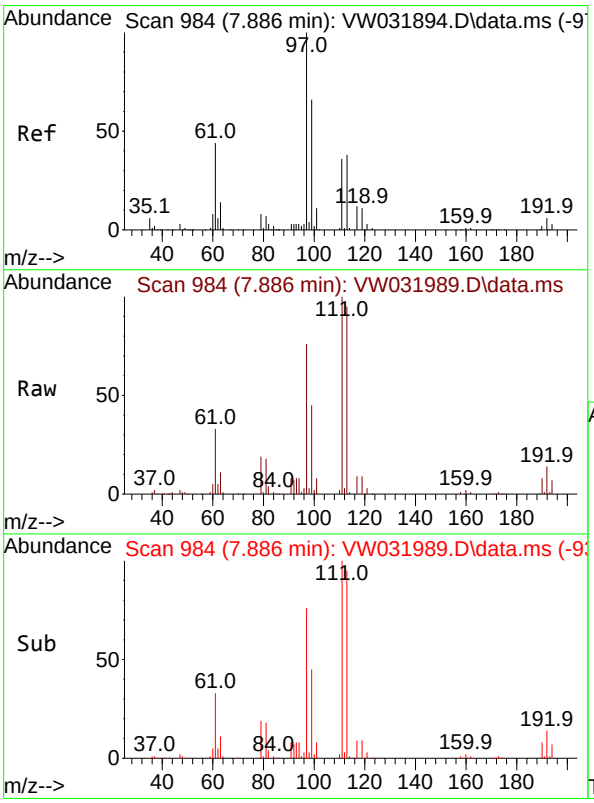
#31
Cyclohexane
Concen: 17.988 ug/l
RT: 7.972 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 56 Resp: 88545

Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.7	40.1
84	85.7	71.8	107.6

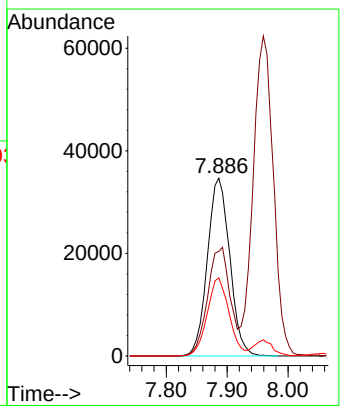


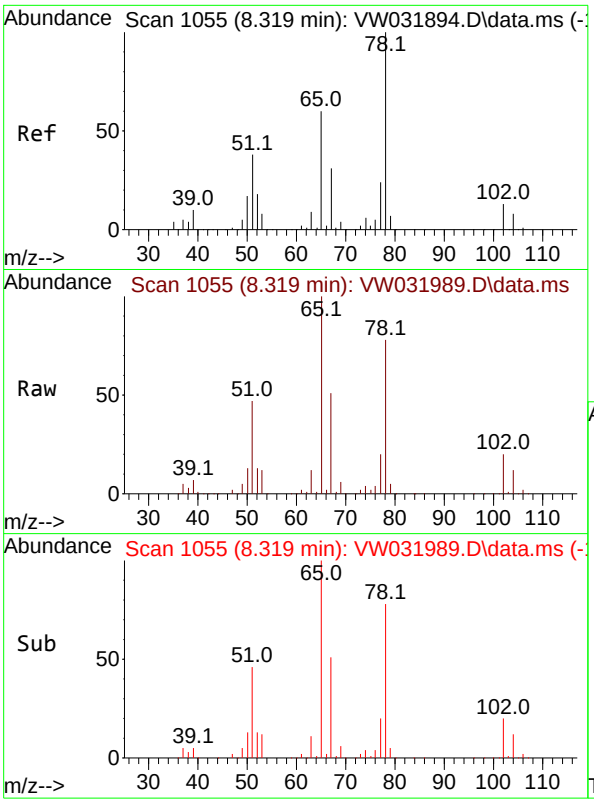


#32
1,1,1-Trichloroethane
Concen: 20.191 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 97 Resp: 88389

Ion	Ratio	Lower	Upper
97	100		
99	60.9	53.0	79.4
61	42.9	35.4	53.0



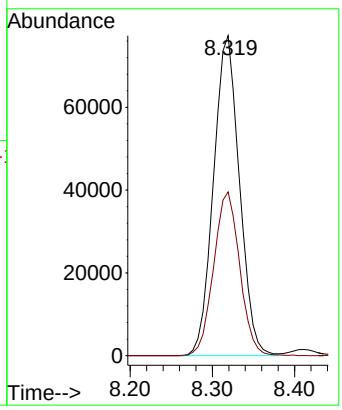


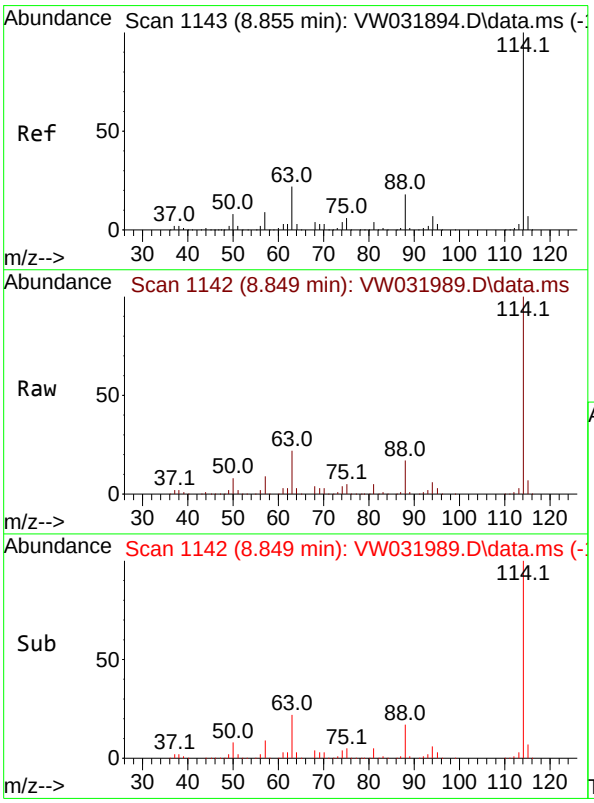
#33
1,2-Dichloroethane-d4
Concen: 52.831 ug/l
RT: 8.319 min Scan# 10
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 65 Resp: 169564

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.4

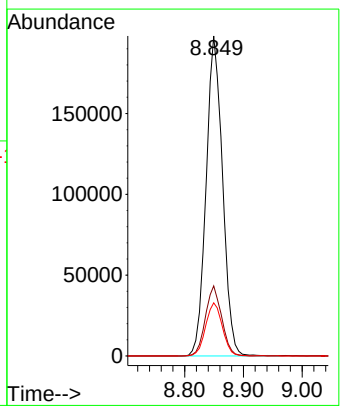


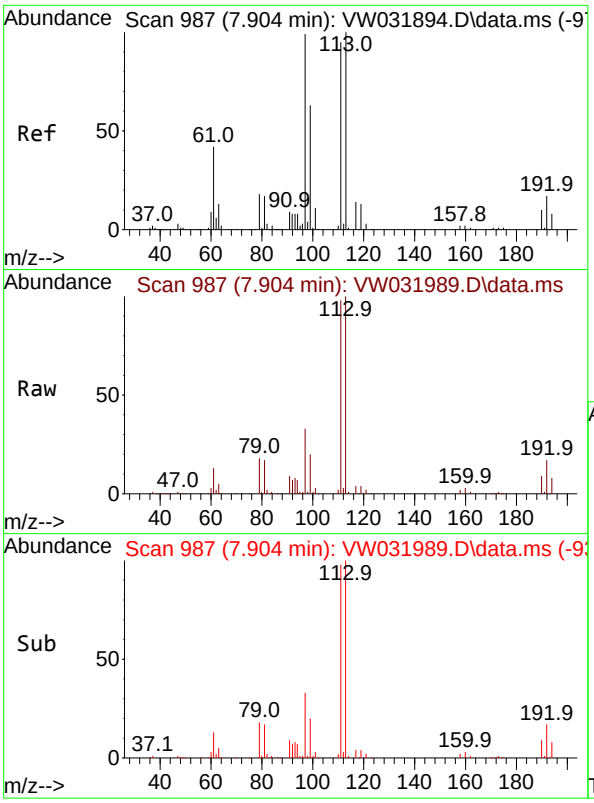


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:114 Resp: 385271

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	16.6	0.0	35.6



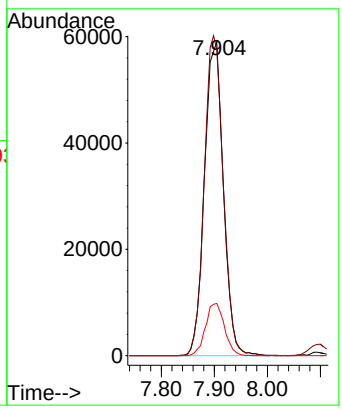


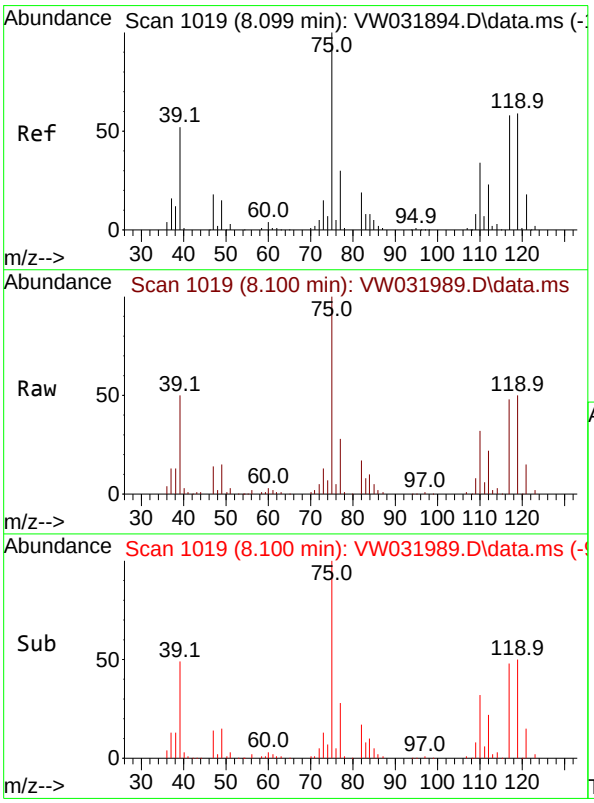
#35
Dibromofluoromethane
Concen: 55.935 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:113 Resp: 146436

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.9	119.9
192	16.7	12.6	19.0

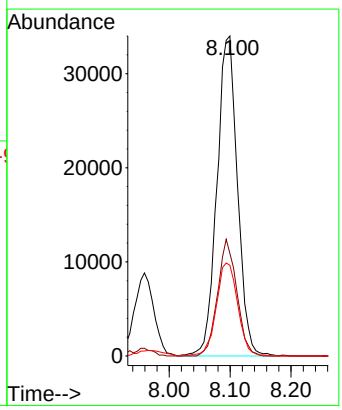


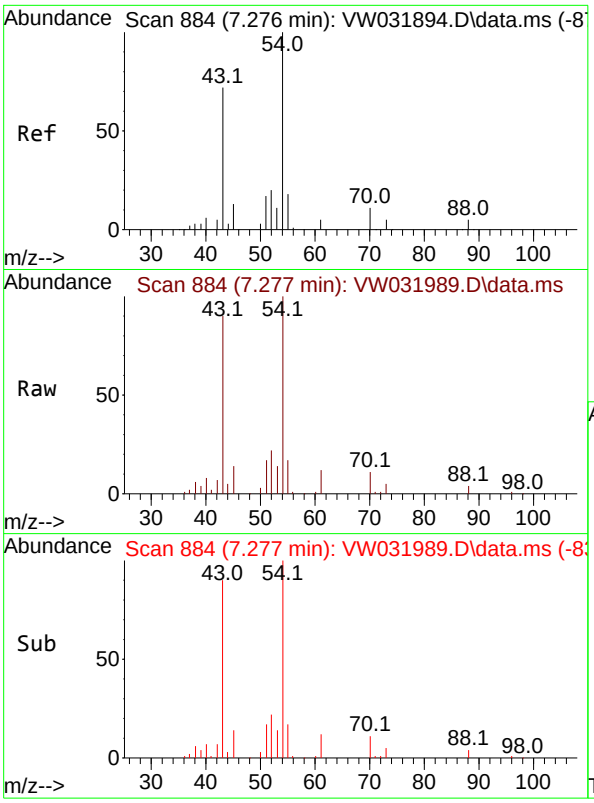


#36
1,1-Dichloropropene
Concen: 19.851 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 79810

Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.0	50.9
77	30.3	25.1	37.7



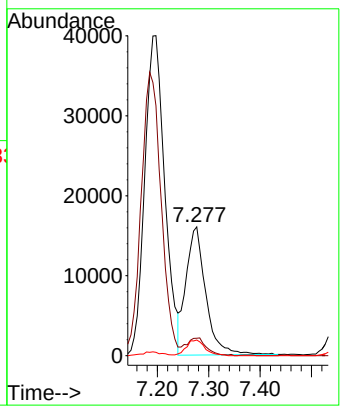


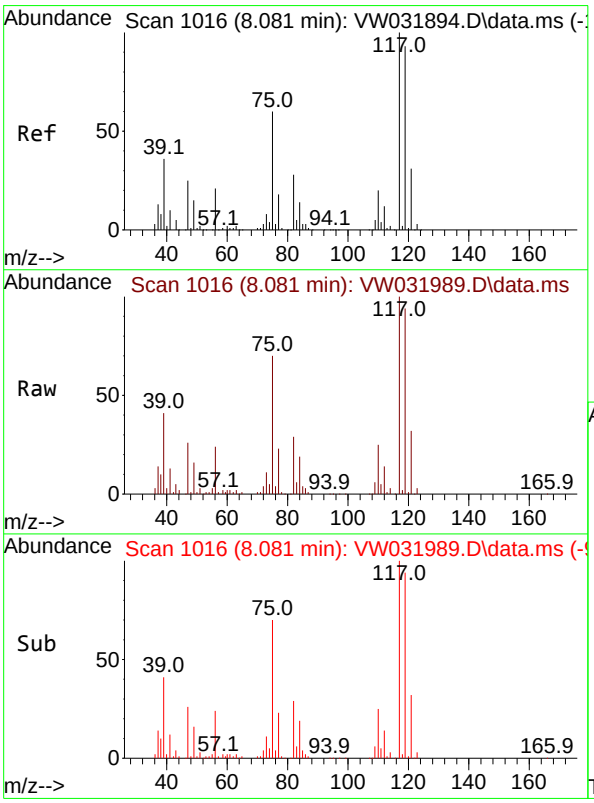
#37
Ethyl Acetate
Concen: 18.688 ug/l
RT: 7.277 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 42860

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	11.5	9.0	13.4

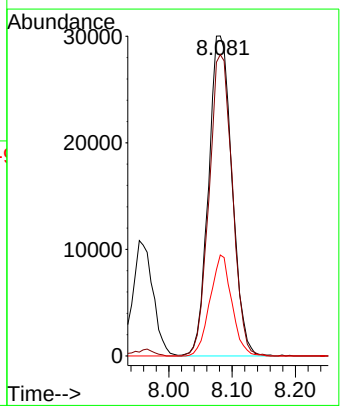


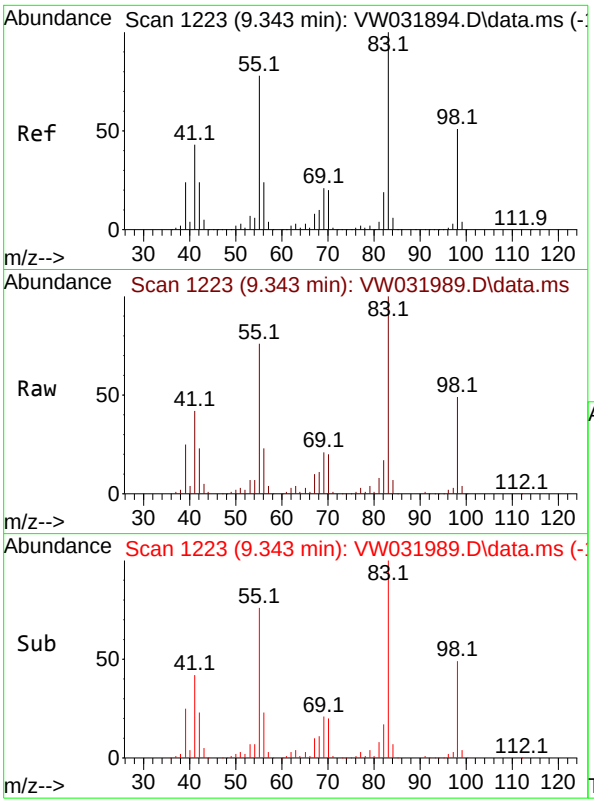


#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:117 Resp: 77445

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.3	111.5
121	31.5	24.6	37.0



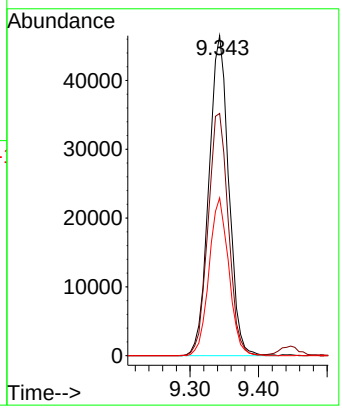


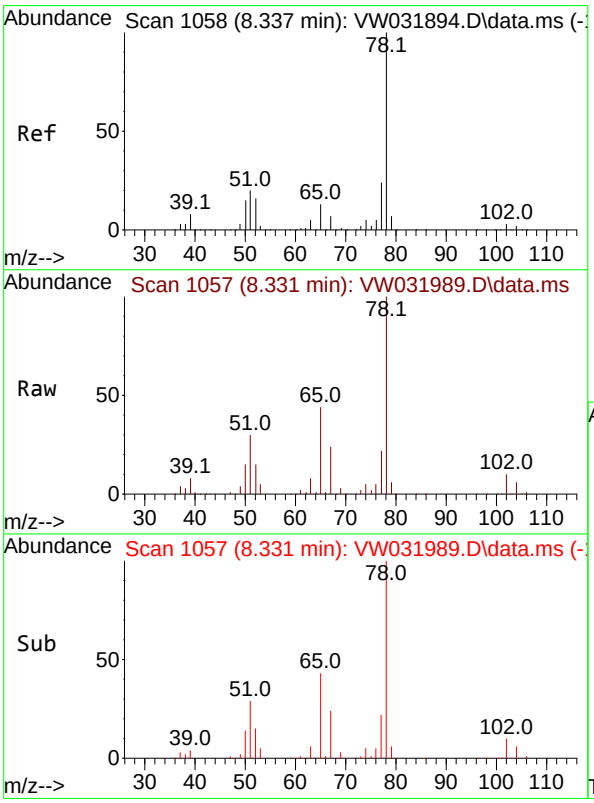
#39
Methylcyclohexane
Concen: 18.523 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 83 Resp: 93717

Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.5	93.7
98	49.3	40.6	61.0

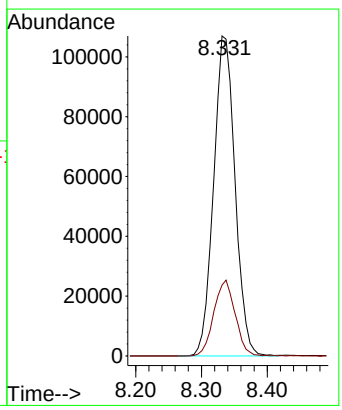


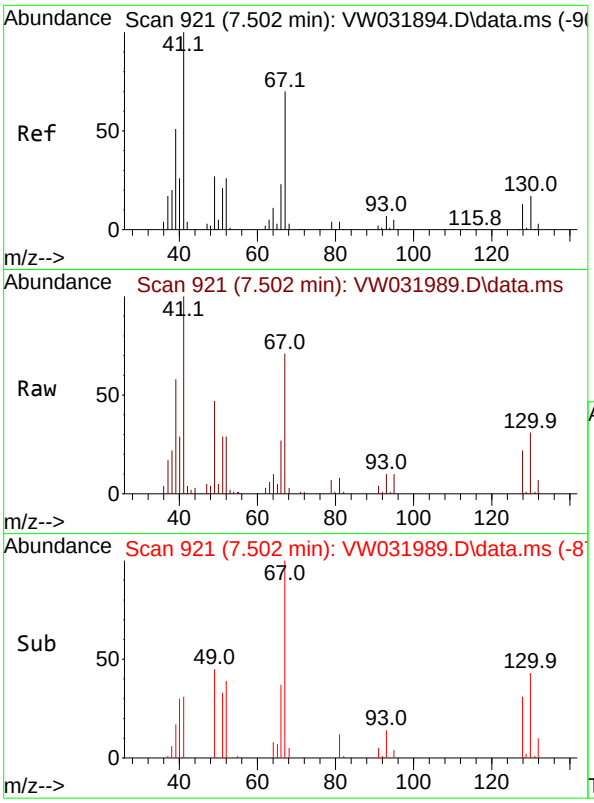


#40
Benzene
Concen: 20.371 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 78 Resp: 242440

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.3	28.9



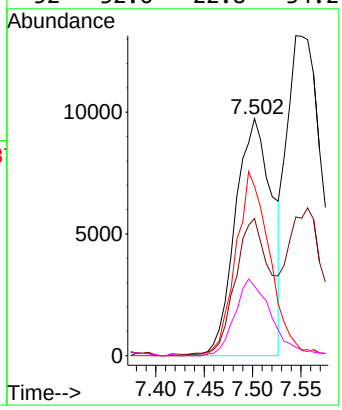


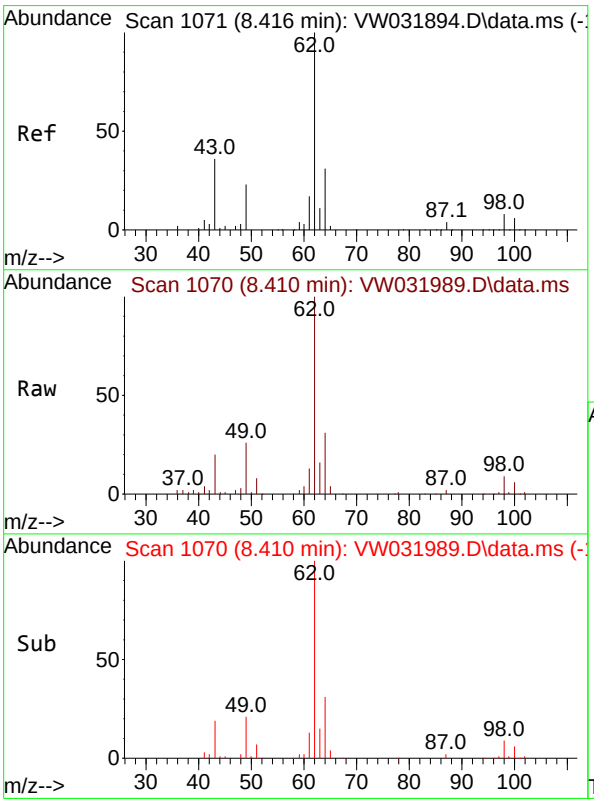
#41
Methacrylonitrile
Concen: 18.746 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 41 Resp: 25737

Ion	Ratio	Lower	Upper
41	100		
39	55.7	41.1	61.7
67	72.0	56.2	84.4
52	32.6	22.8	34.2

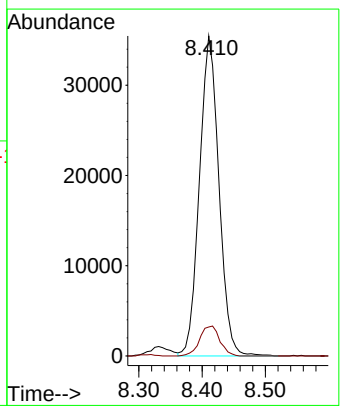


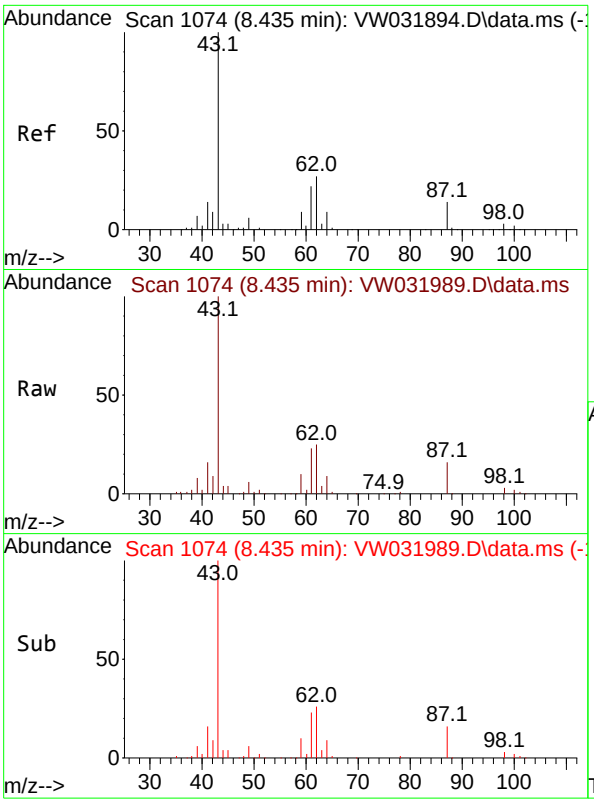


#42
1,2-Dichloroethane
Concen: 20.006 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 62 Resp: 76204

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2



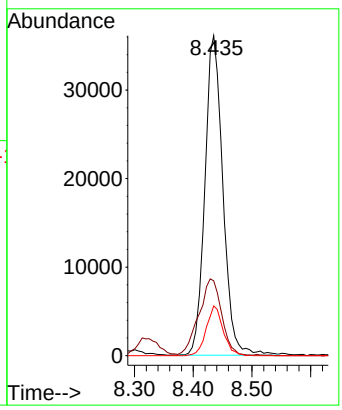


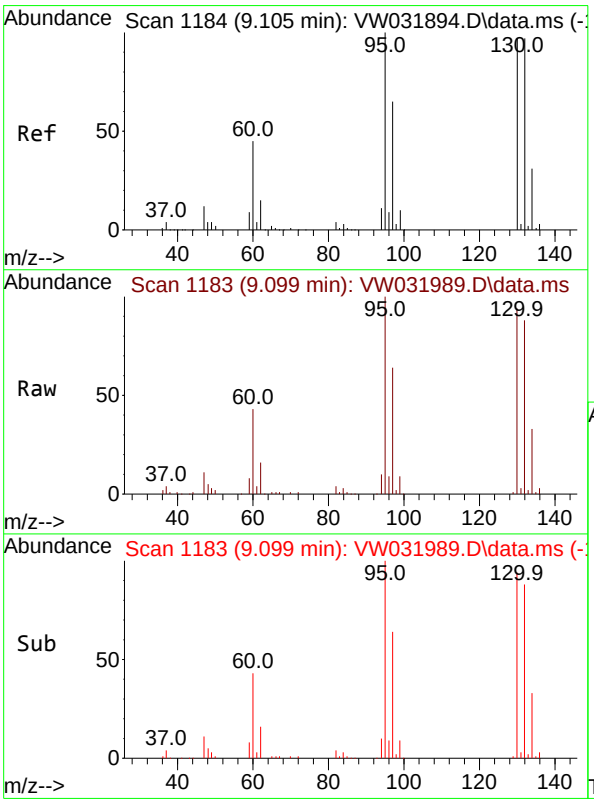
#43
Isopropyl Acetate
Concen: 18.558 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 77055

Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	14.6	11.1	16.7

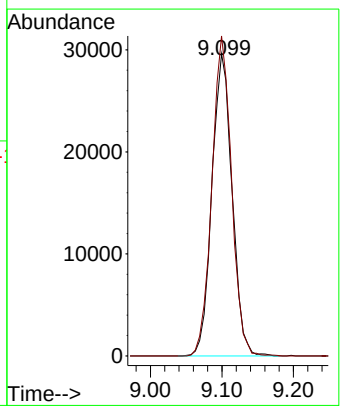


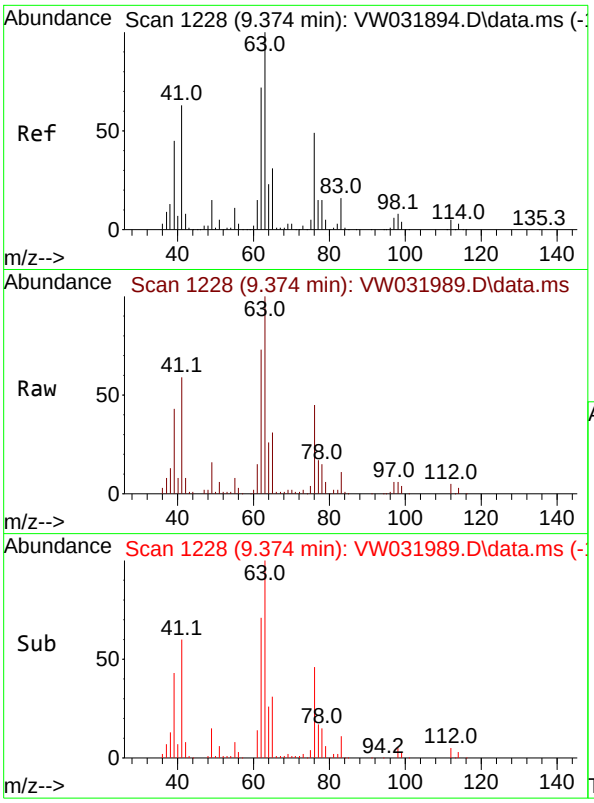


#44
Trichloroethene
Concen: 20.443 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:130 Resp: 57832

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	206.4



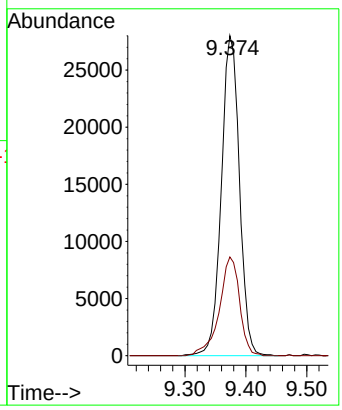


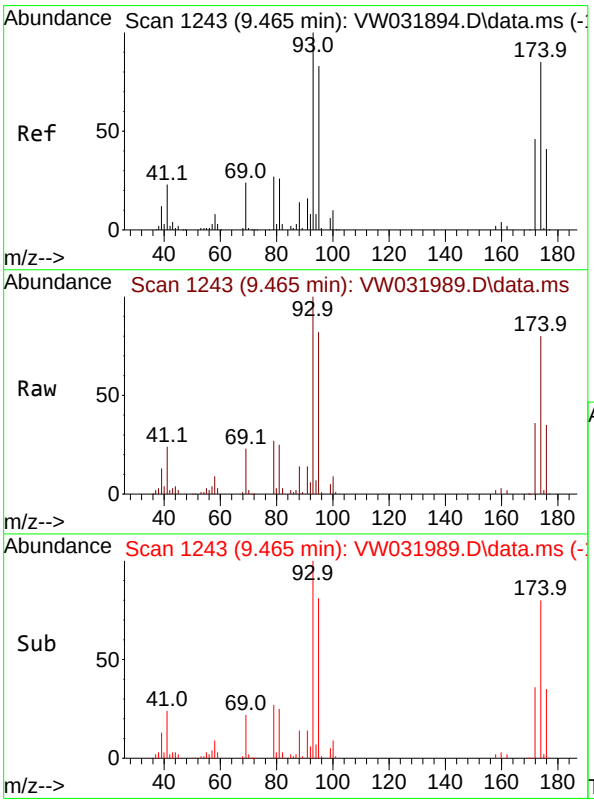
#45
1,2-Dichloropropane
Concen: 20.201 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 63 Resp: 57900

Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4

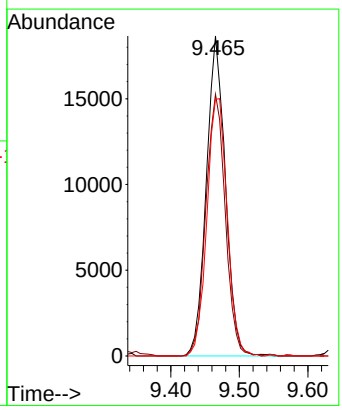


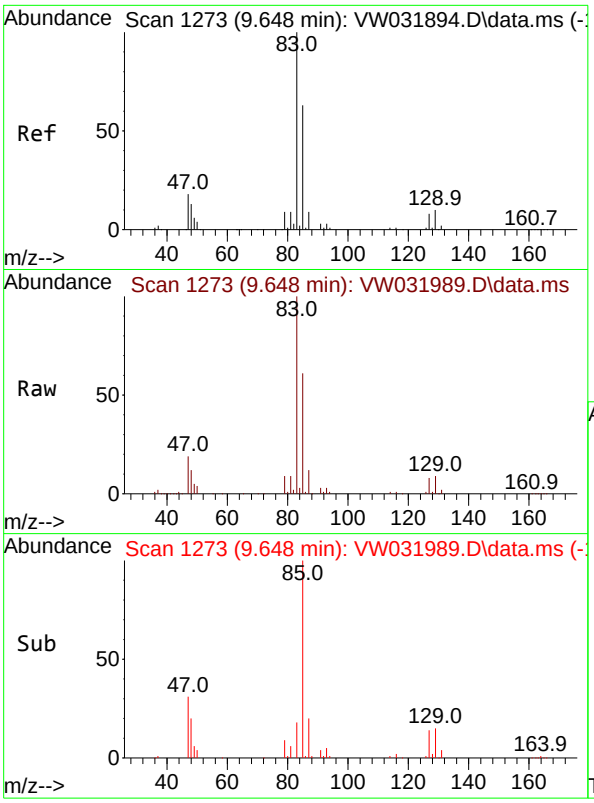


#46
Dibromomethane
Concen: 20.297 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 93 Resp: 36063

Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.6
174	85.7	70.2	105.2



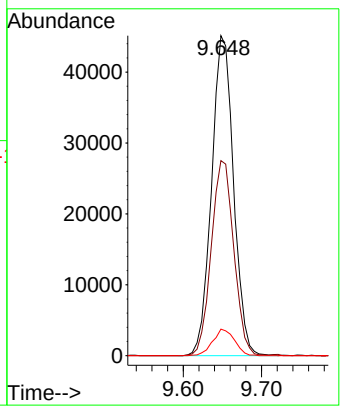


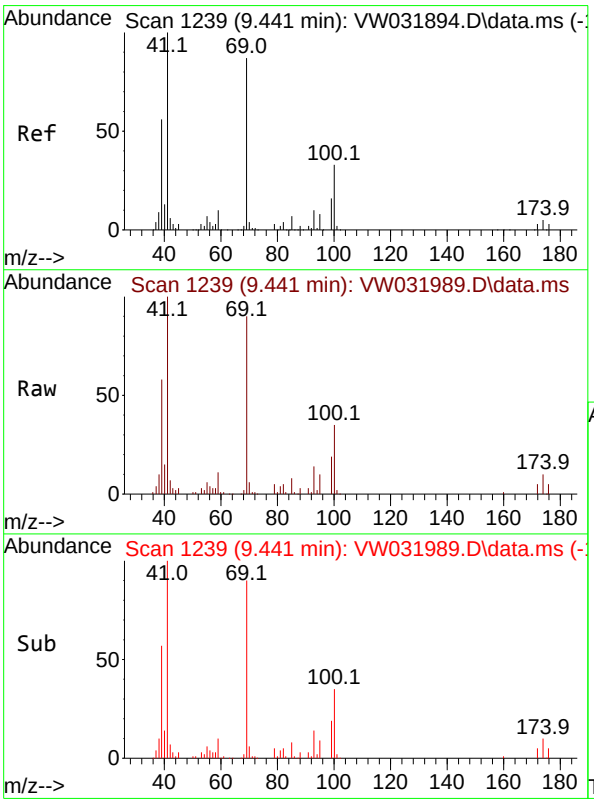
#47
Bromodichloromethane
Concen: 20.643 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 83 Resp: 87948

Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	76.0
127	8.3	6.5	9.7

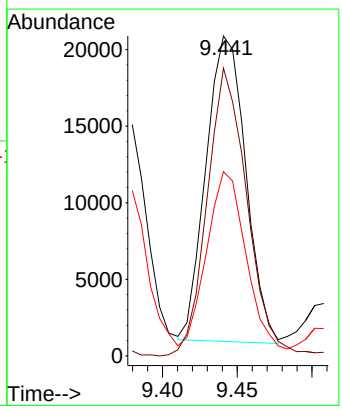


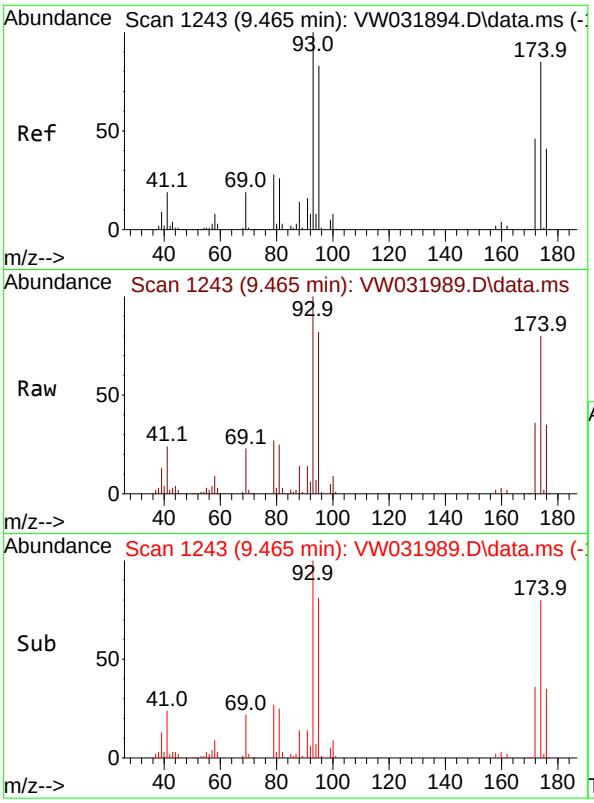


#48
Methyl methacrylate
Concen: 18.600 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 41 Resp: 36741

Ion	Ratio	Lower	Upper
41	100		
69	95.4	73.6	110.4
39	56.8	45.5	68.3



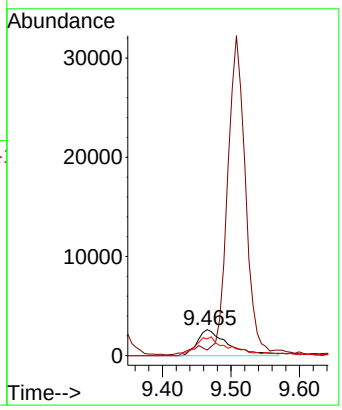


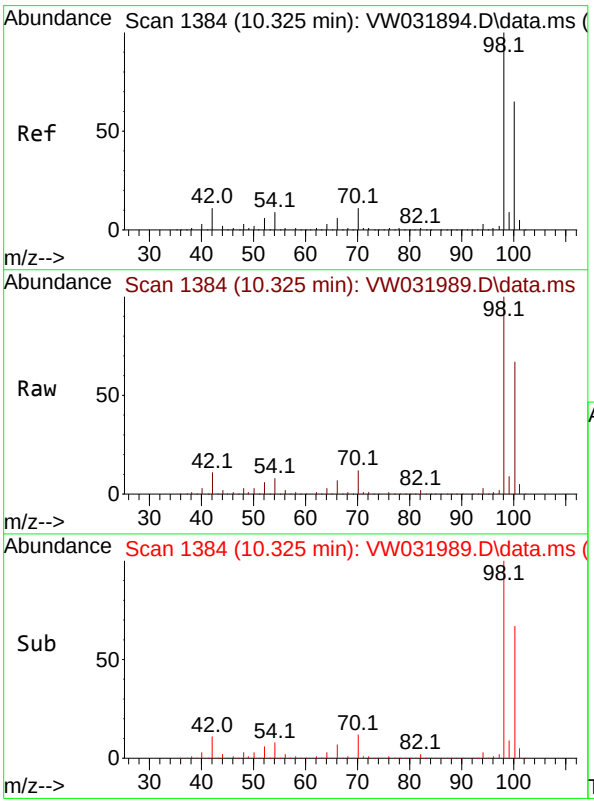
#49
1,4-Dioxane
Concen: 464.942 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 88 Resp: 8243

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	75.0	58.2	87.2

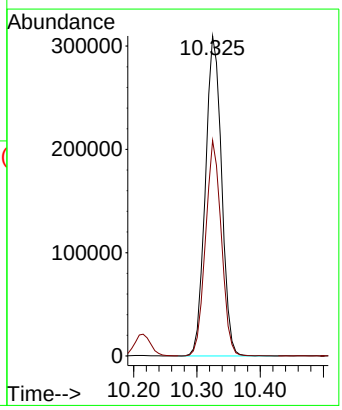


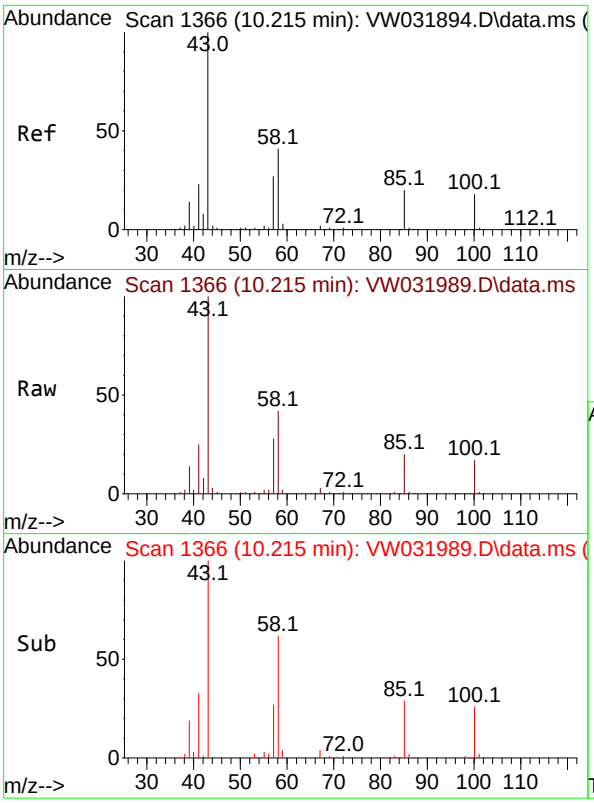


#50
Toluene-d8
Concen: 55.605 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 98 Resp: 550944

Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.7	77.5



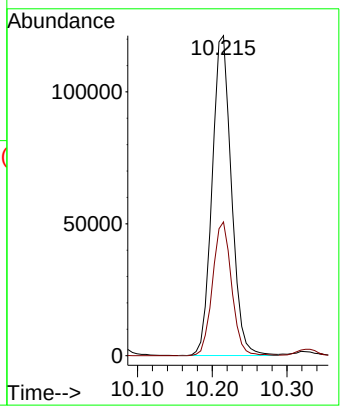


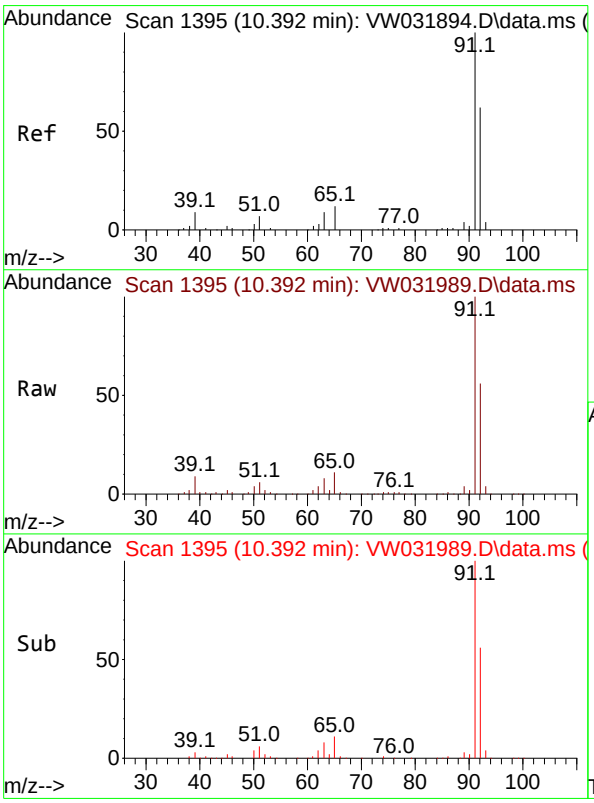
#51
4-Methyl-2-Pentanone
Concen: 95.672 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 217393

Ion	Ratio	Lower	Upper
43	100		
58	41.4	32.8	49.2

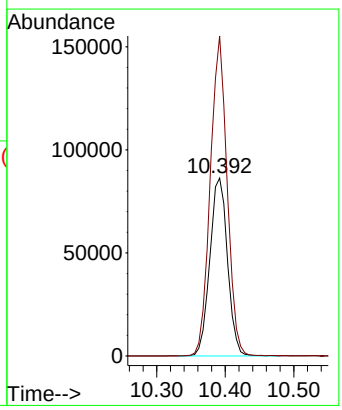


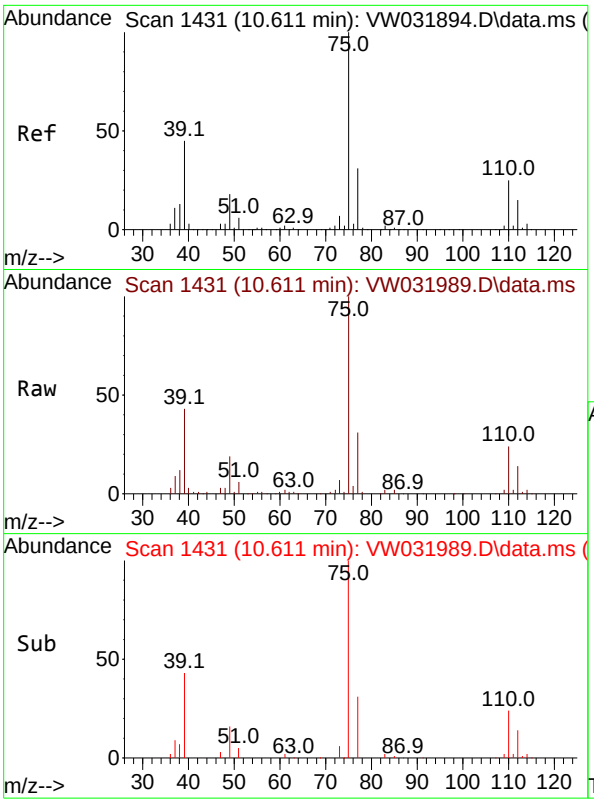


#52
Toluene
Concen: 20.202 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 92 Resp: 154561

Ion	Ratio	Lower	Upper
92	100		
91	171.8	133.7	200.5



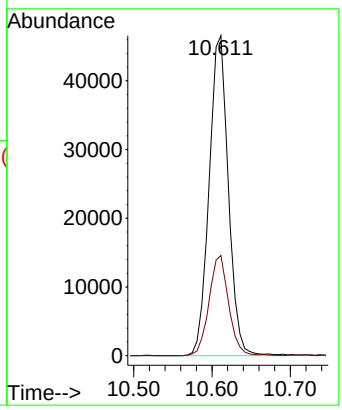


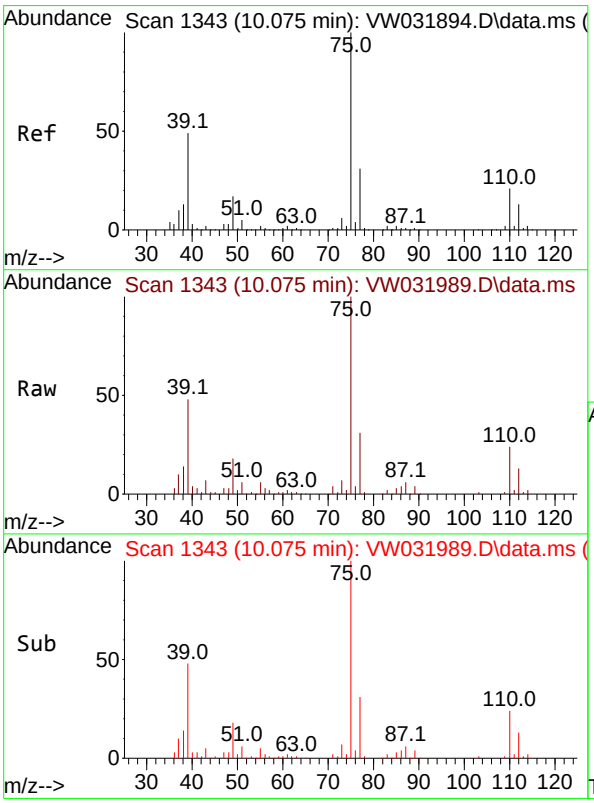
#53
t-1,3-Dichloropropene
Concen: 19.401 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 75 Resp: 79291

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8

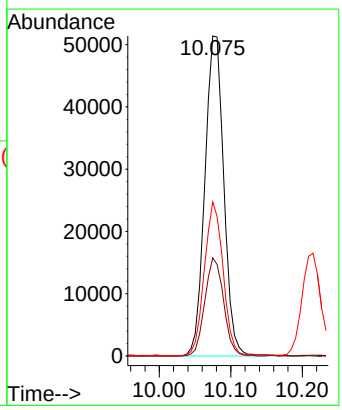


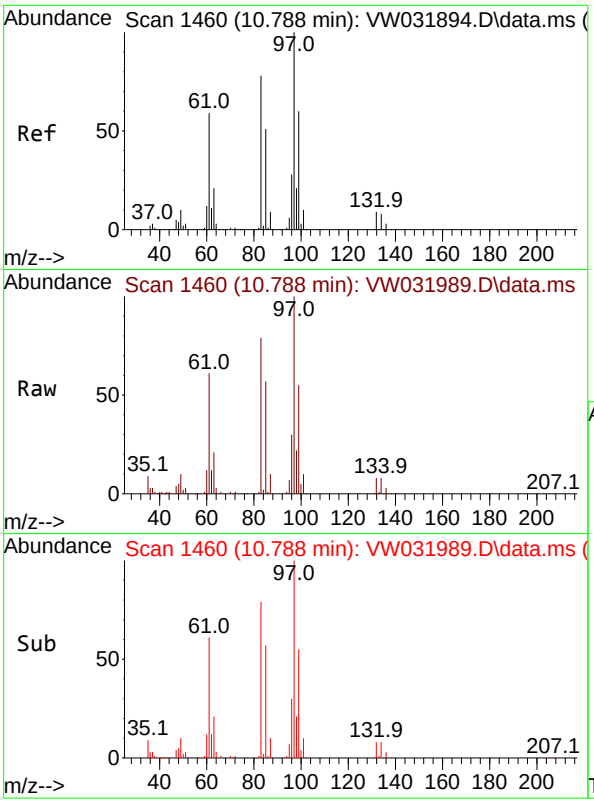


#54
cis-1,3-Dichloropropene
Concen: 20.241 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 94470

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	48.0	39.3	58.9



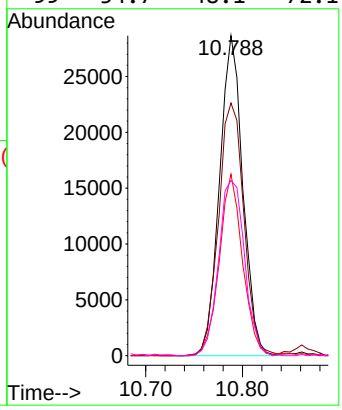


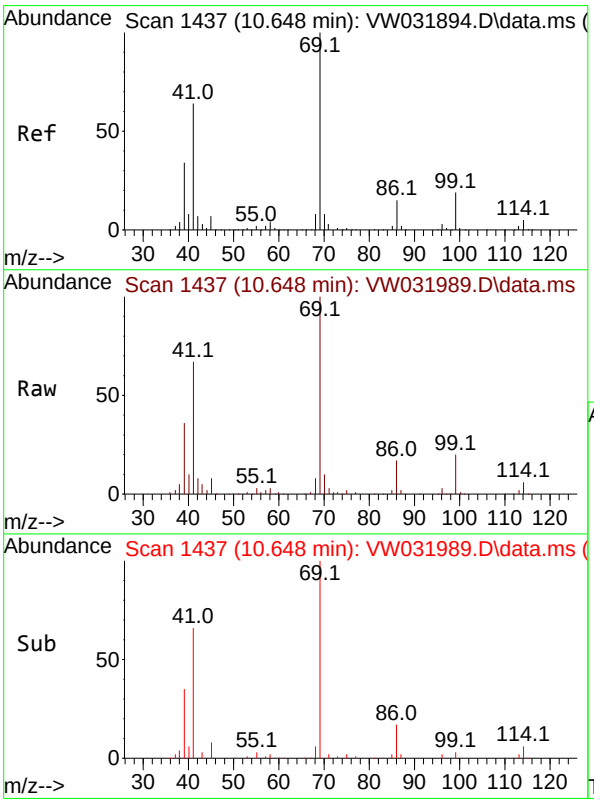
#55
1,1,2-Trichloroethane
Concen: 20.338 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 97 Resp: 47999

Ion	Ratio	Lower	Upper
97	100		
83	79.0	62.4	93.6
85	56.7	41.0	61.6
99	54.7	48.1	72.1

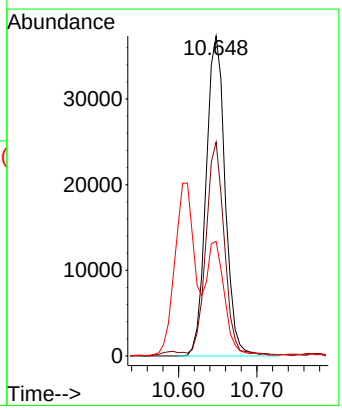


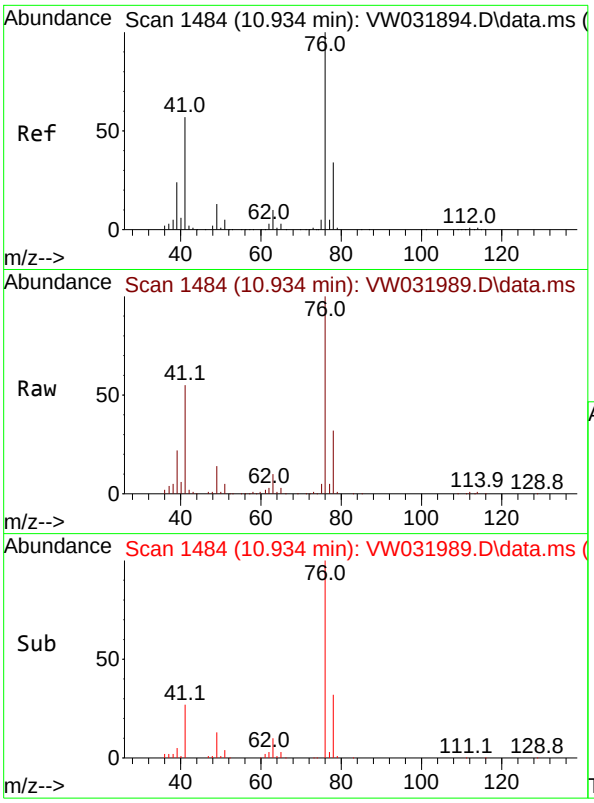


#56
Ethyl methacrylate
Concen: 18.921 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 69 Resp: 63067

Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.0	78.0
39	32.7	26.6	40.0



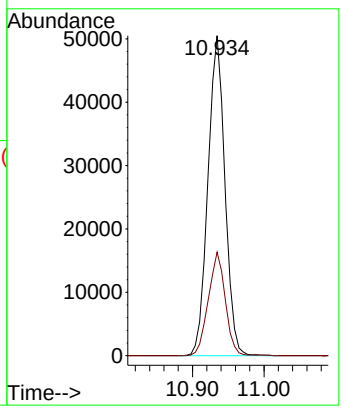


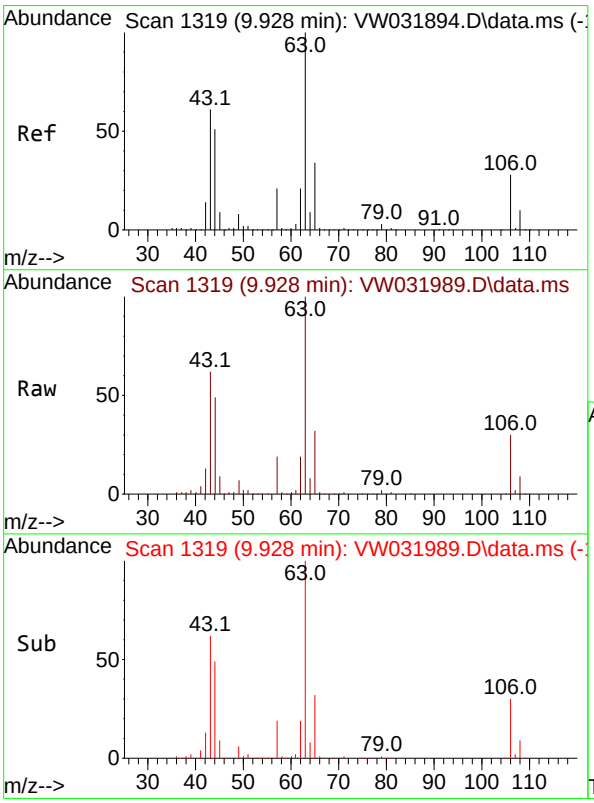
#57
1,3-Dichloropropane
Concen: 20.062 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 76 Resp: 83414

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

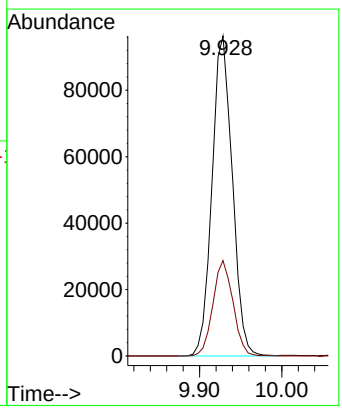


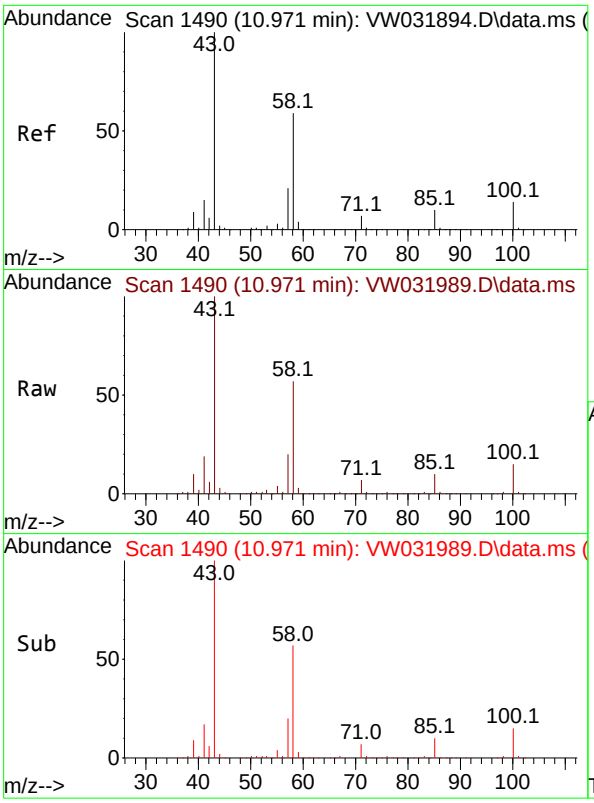


#58
2-Chloroethyl Vinyl ether
Concen: 96.510 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 63 Resp: 165236

Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.7	34.1



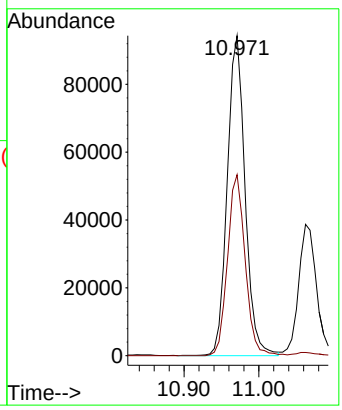


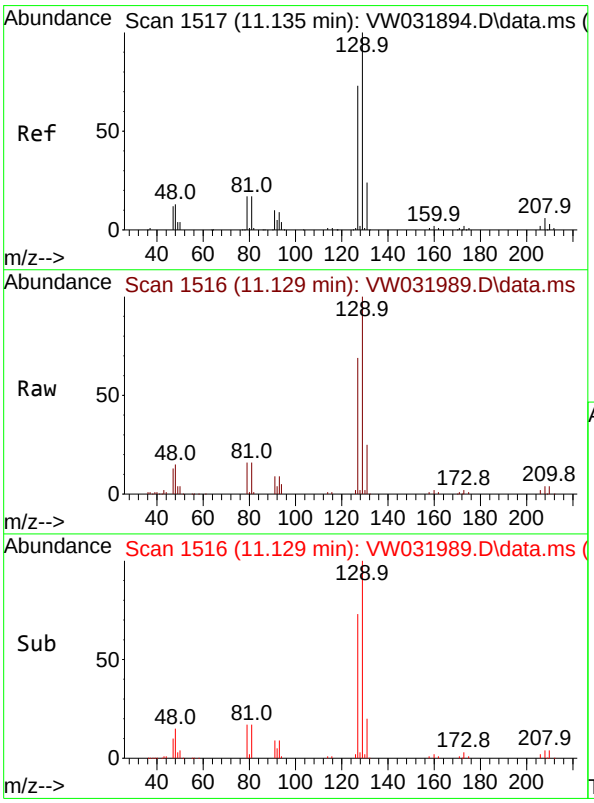
#59
2-Hexanone
Concen: 99.104 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 43 Resp: 156530

Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.5	85.6

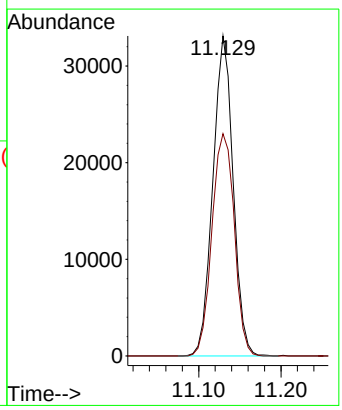


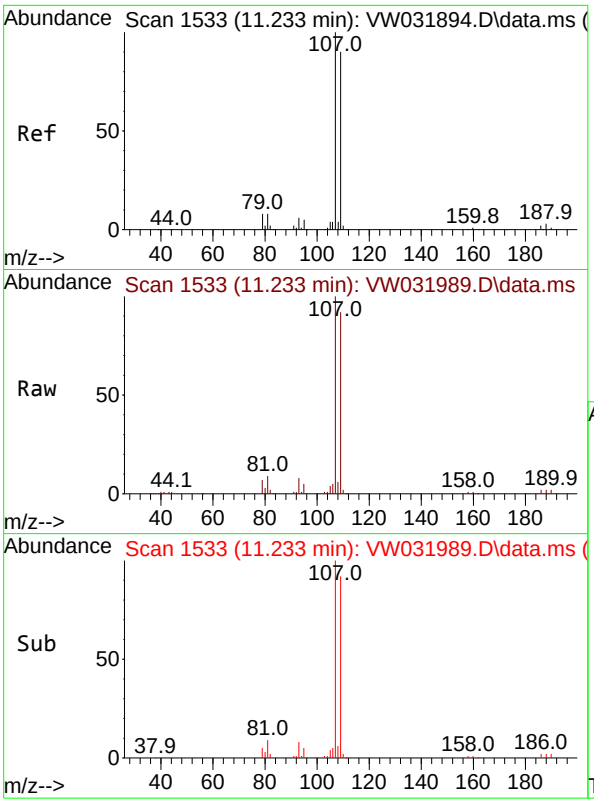


#60
Dibromochloromethane
Concen: 20.606 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:129 Resp: 56702

Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.6	118.8



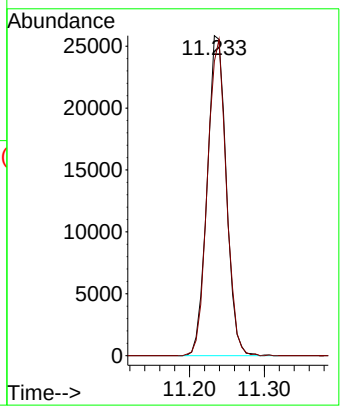


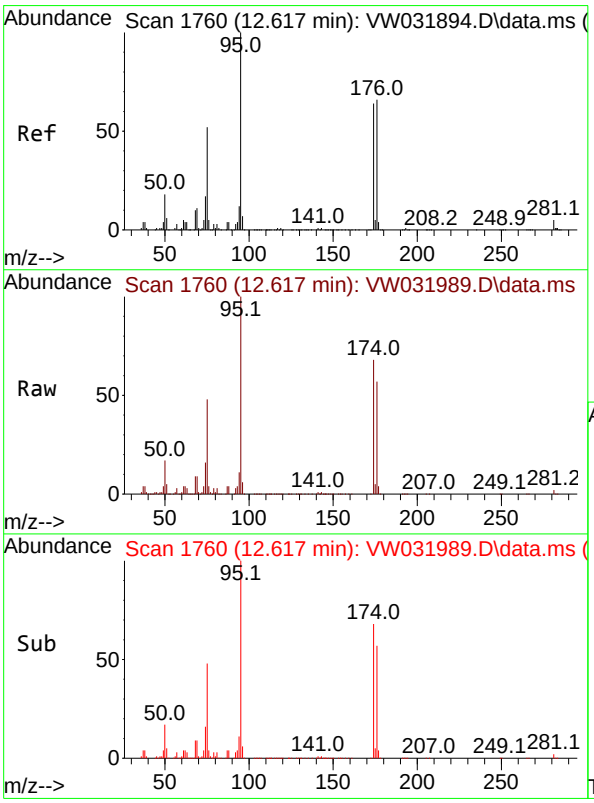
#61
1,2-Dibromoethane
Concen: 19.696 ug/l
RT: 11.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:107 Resp: 45932

Ion	Ratio	Lower	Upper
107	100		
109	97.6	74.2	111.4

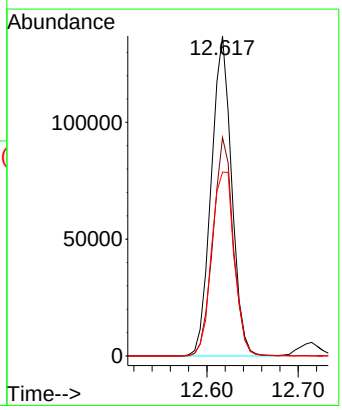


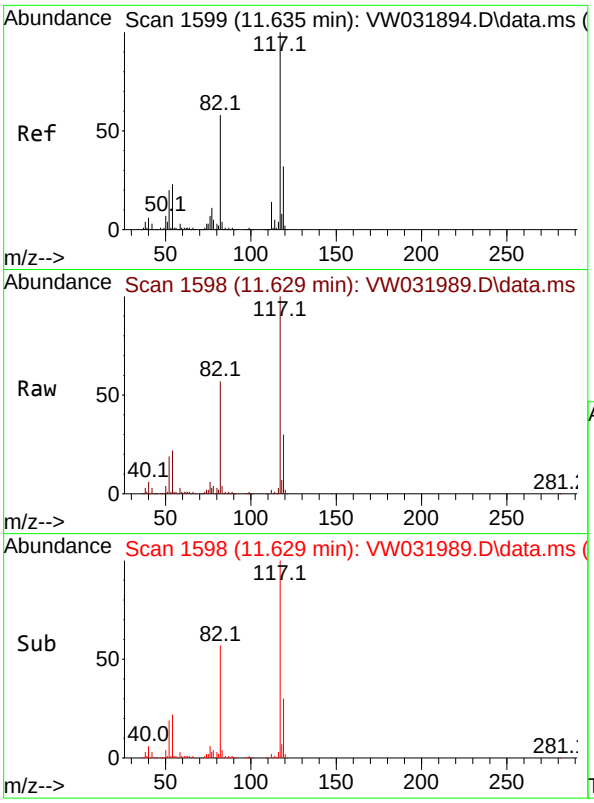


#62
4-Bromofluorobenzene
Concen: 55.869 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 95 Resp: 212555

Ion	Ratio	Lower	Upper
95	100		
174	67.7	0.0	129.8
176	63.9	0.0	130.4



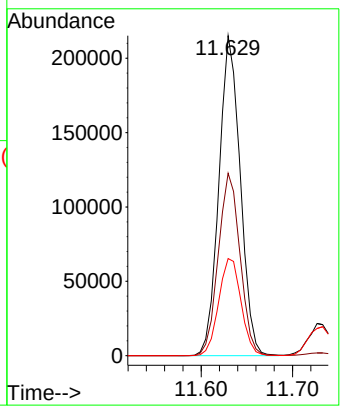


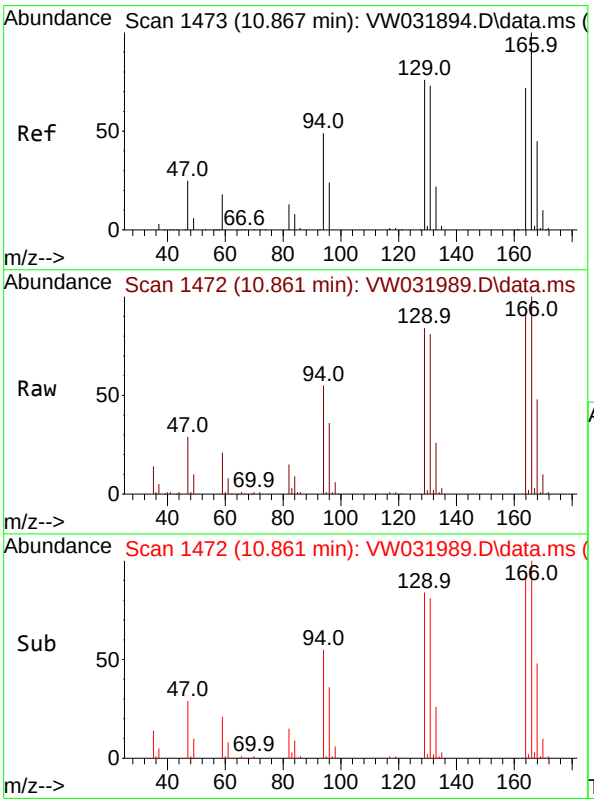
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:117 Resp: 349774

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.5	69.7
119	30.3	25.8	38.6

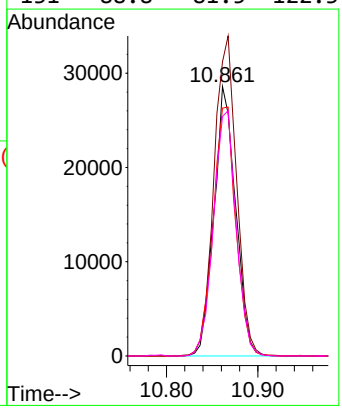


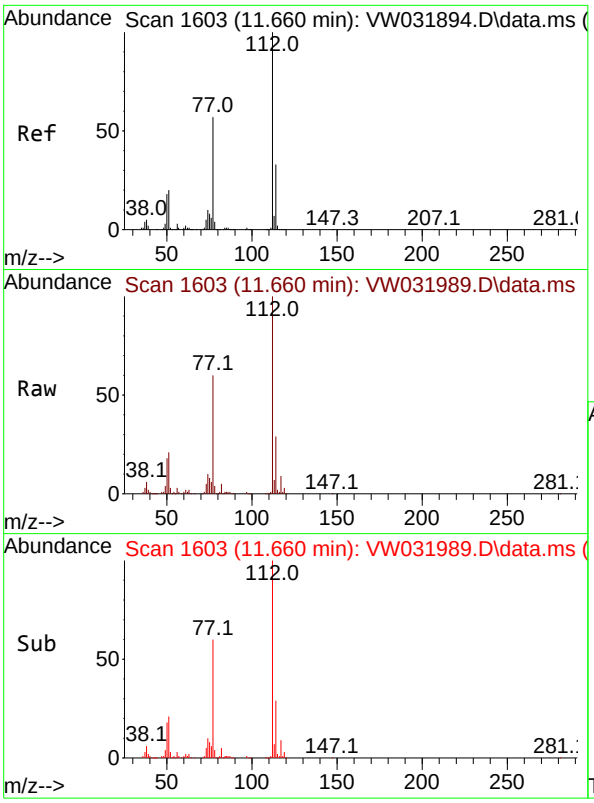


#64
Tetrachloroethene
Concen: 20.468 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:164 Resp: 47201

Ion	Ratio	Lower	Upper
164	100		
166	109.2	111.5	167.3#
129	92.0	85.1	127.7
131	88.8	81.5	122.3



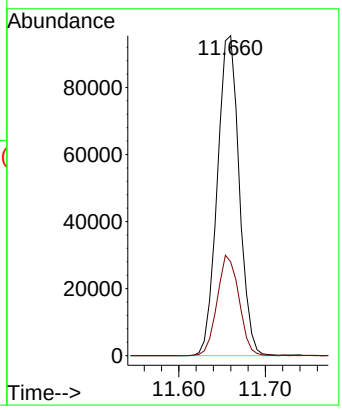


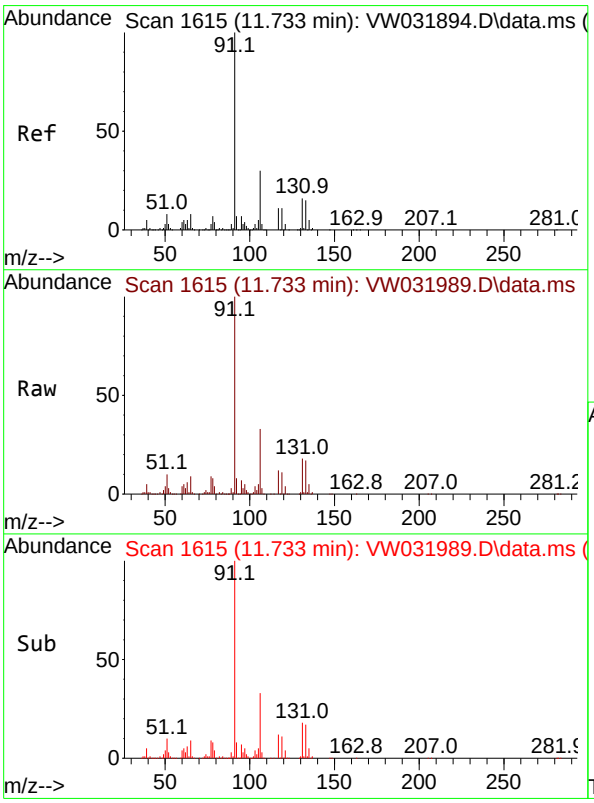
#65
Chlorobenzene
Concen: 19.588 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:112 Resp: 167687

Ion	Ratio	Lower	Upper
112	100		
114	29.3	26.2	39.2

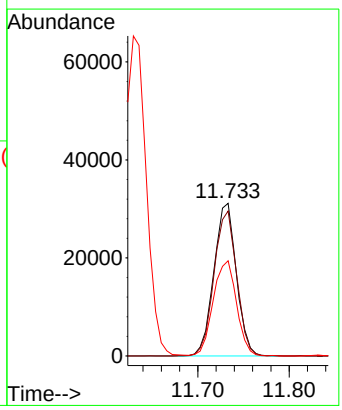


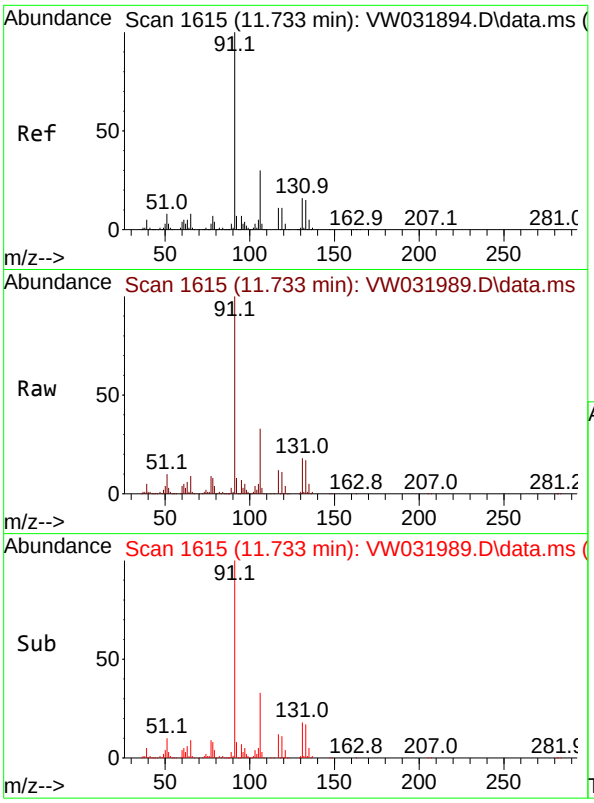


#66
1,1,1,2-Tetrachloroethane
Concen: 20.079 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:131 Resp: 53288

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.4
119	64.8	33.7	101.1



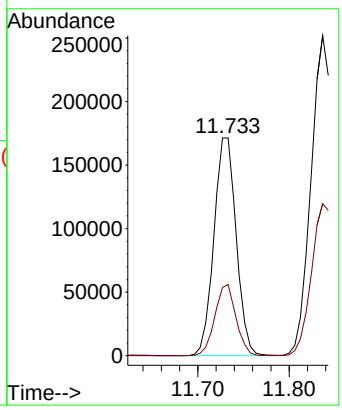


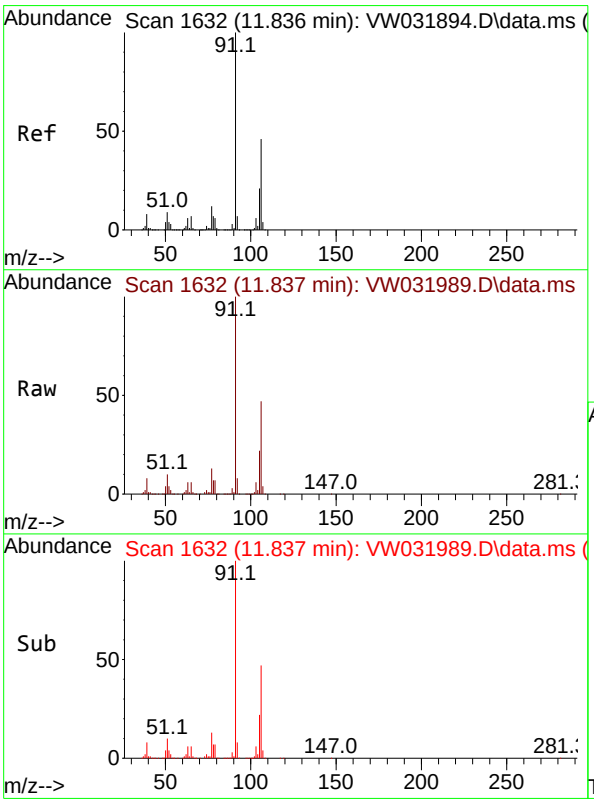
#67
Ethyl Benzene
Concen: 19.308 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 91 Resp: 290411

Ion	Ratio	Lower	Upper
91	100		
106	32.7	23.8	35.6

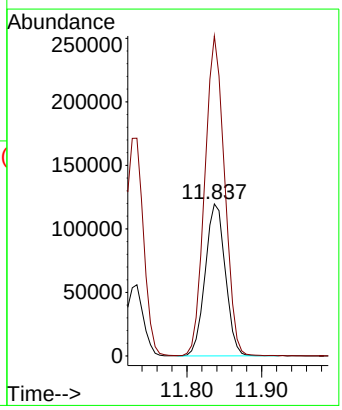


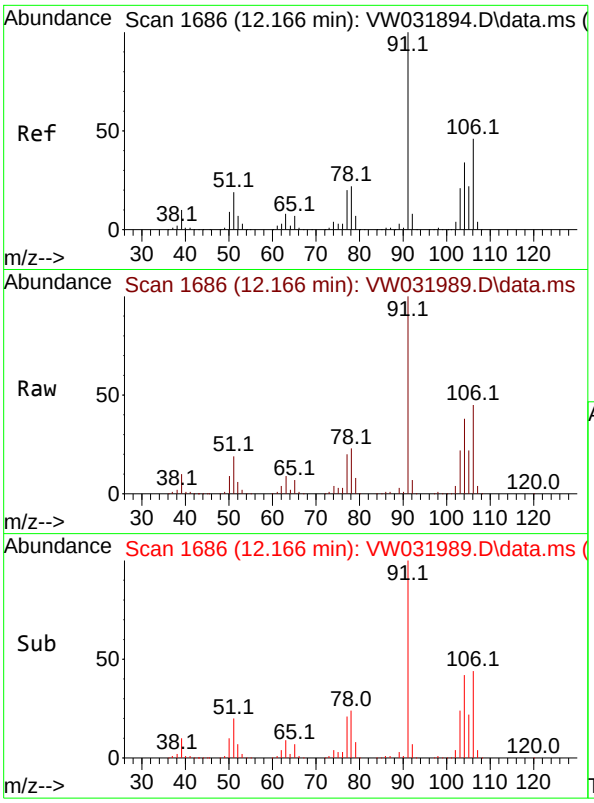


#68
m/p-Xylenes
Concen: 39.501 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:106 Resp: 223663

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.7	251.5



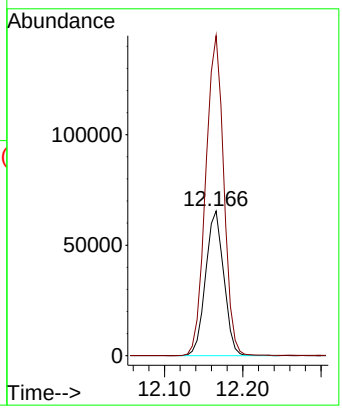


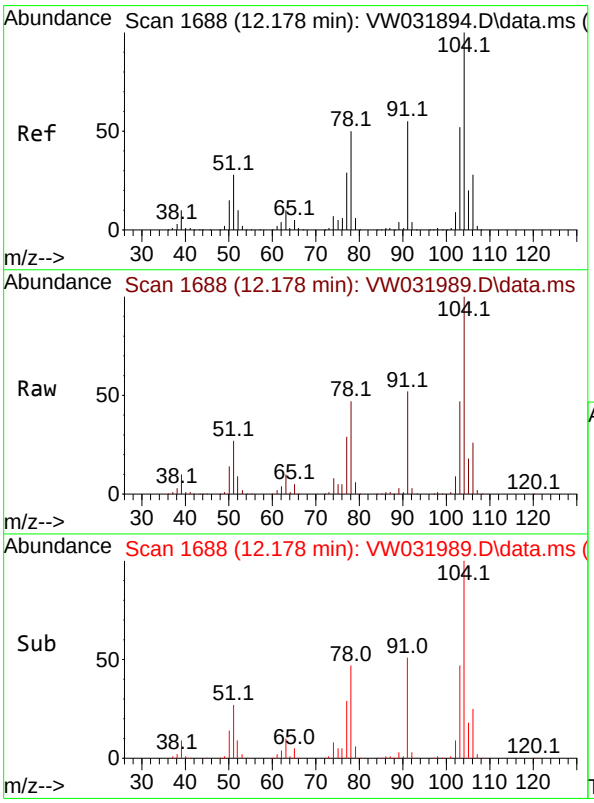
#69
o-Xylene
Concen: 19.689 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:106 Resp: 105502

Ion	Ratio	Lower	Upper
106	100		
91	220.1	108.2	324.6

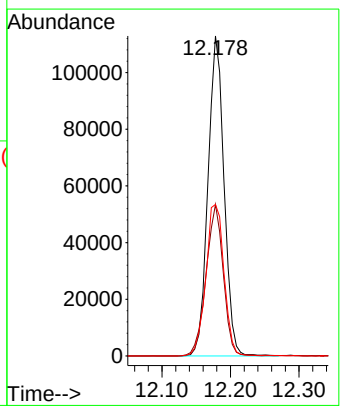


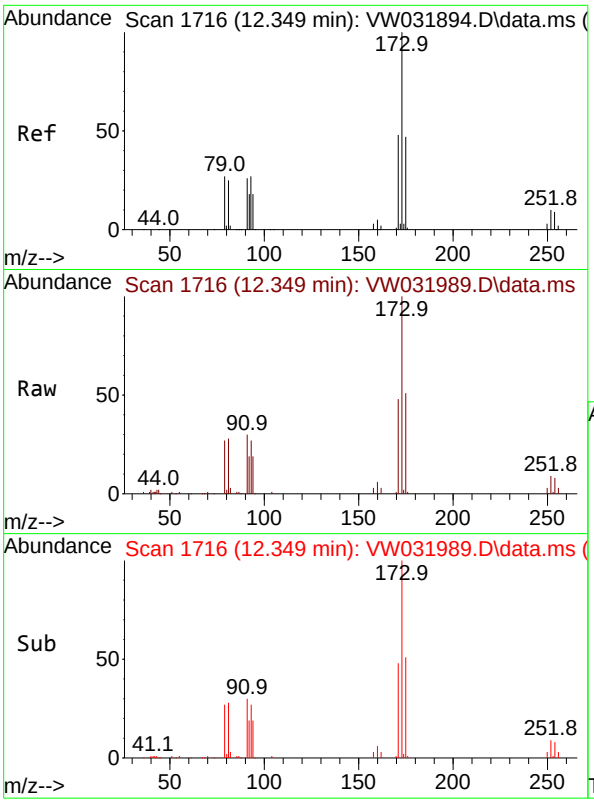


#70
Styrene
Concen: 20.187 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:104 Resp: 184175

Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.2	63.4
103	53.5	42.8	64.2



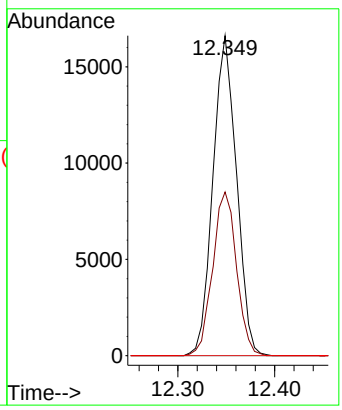


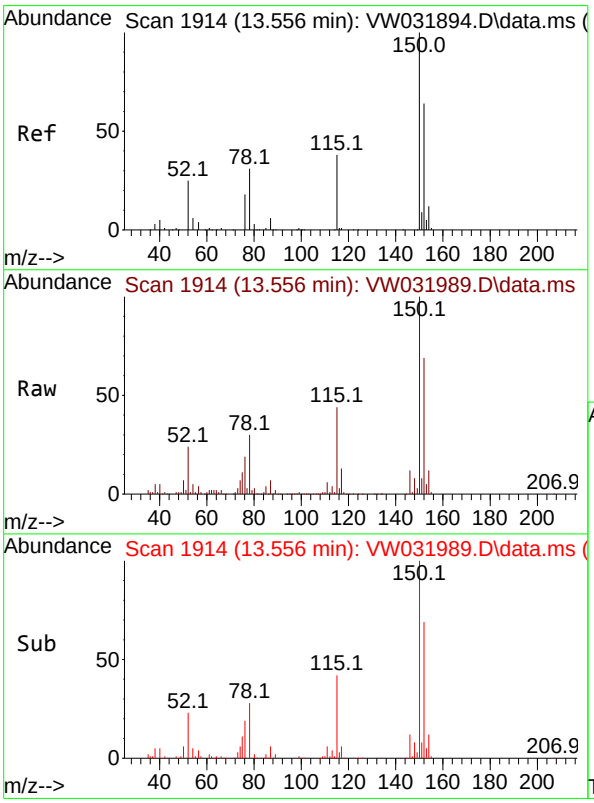
#71
Bromoform
Concen: 19.312 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:173 Resp: 28030

Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.5	73.5
254	0.0	0.2	0.2#

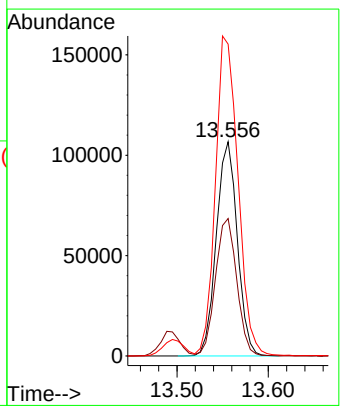


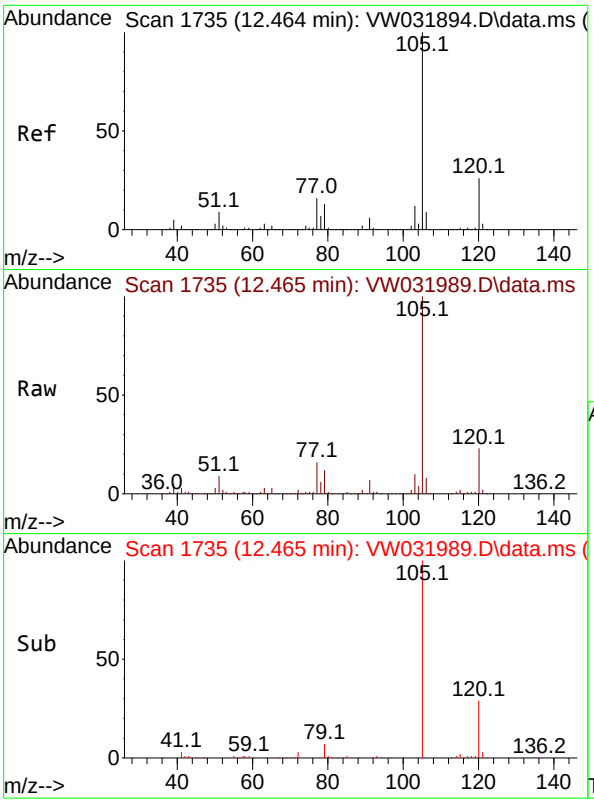


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:152 Resp: 170576

Ion	Ratio	Lower	Upper
152	100		
115	65.2	33.4	100.1
150	160.5	0.0	352.2



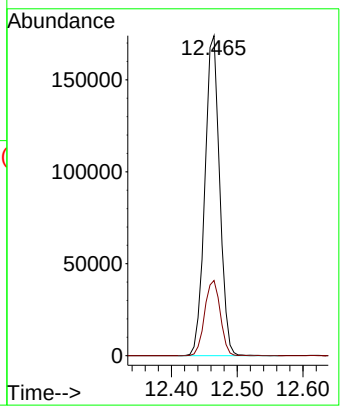


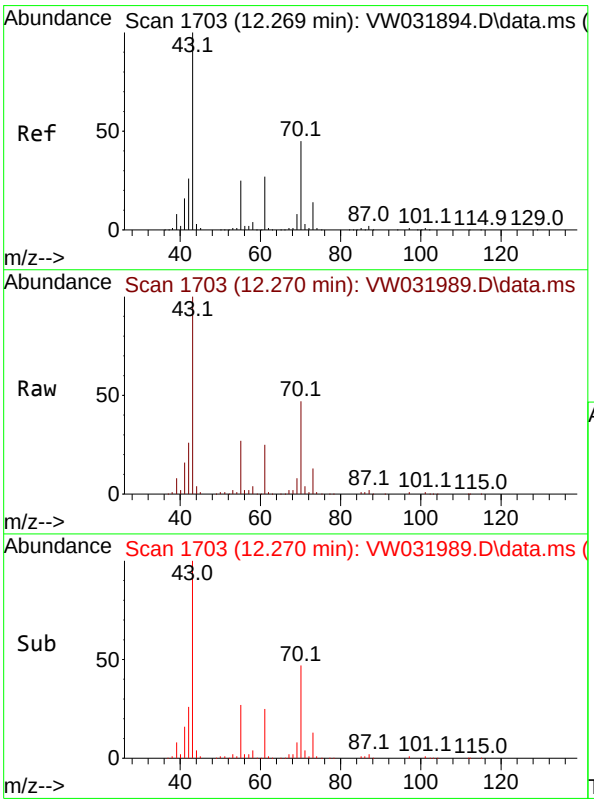
#73
Isopropylbenzene
Concen: 18.388 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:105 Resp: 272143

Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.6	37.8

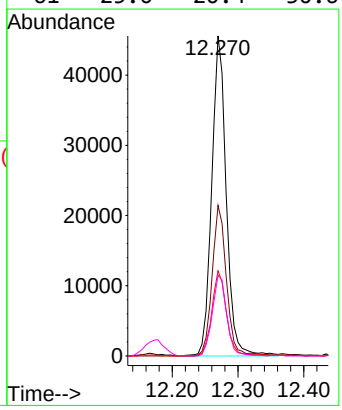


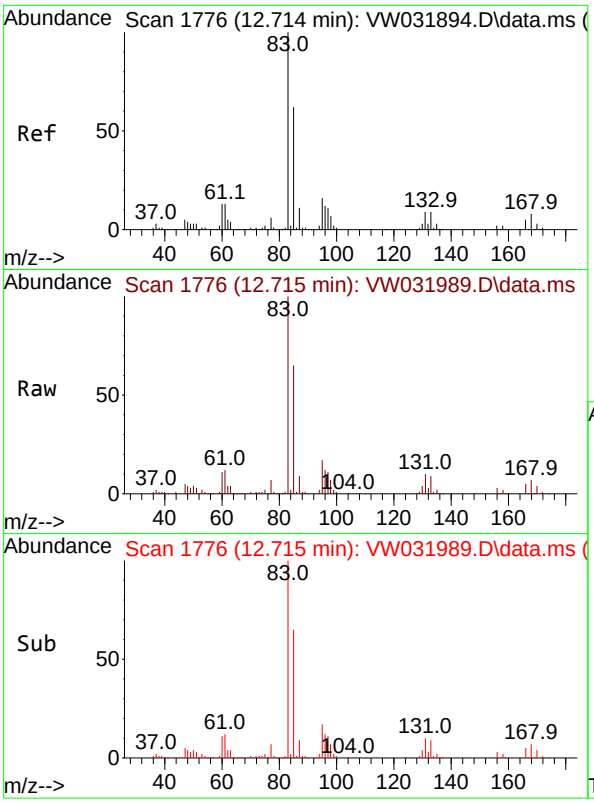


#74
N-amyl acetate
Concen: 17.543 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 43 Resp: 70193

Ion	Ratio	Lower	Upper
43	100		
70	46.7	36.6	55.0
55	26.8	20.7	31.1
61	25.0	20.4	30.6



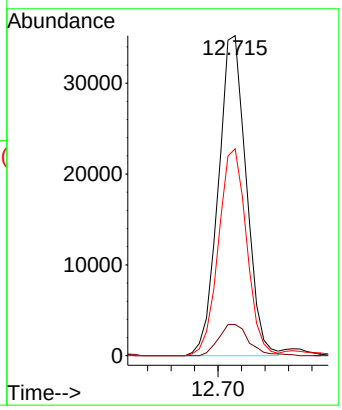


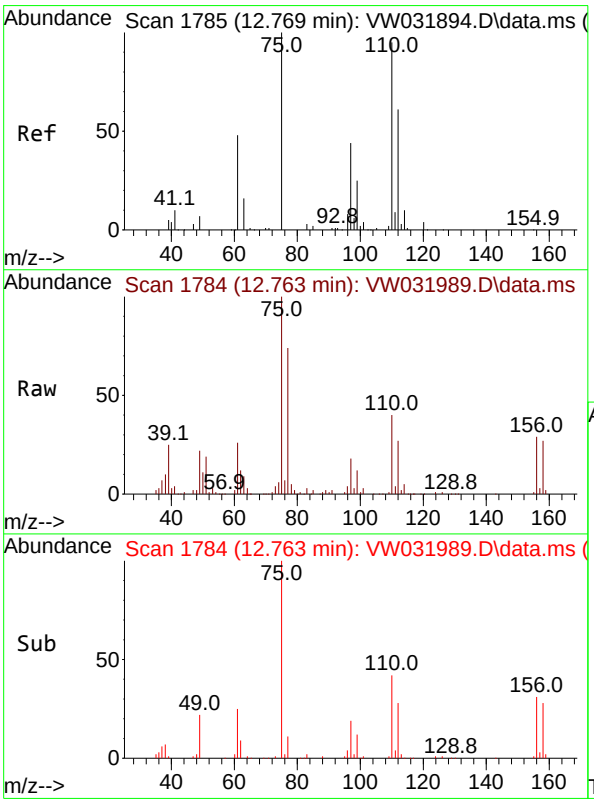
#75
1,1,2,2-Tetrachloroethane
Concen: 18.512 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 83 Resp: 58156

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.1	31.8	95.3

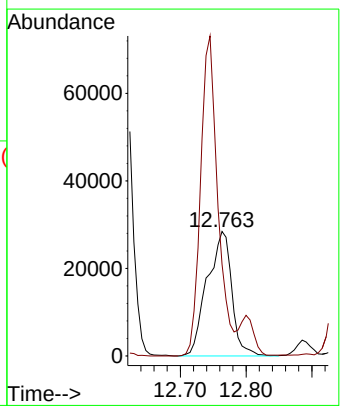


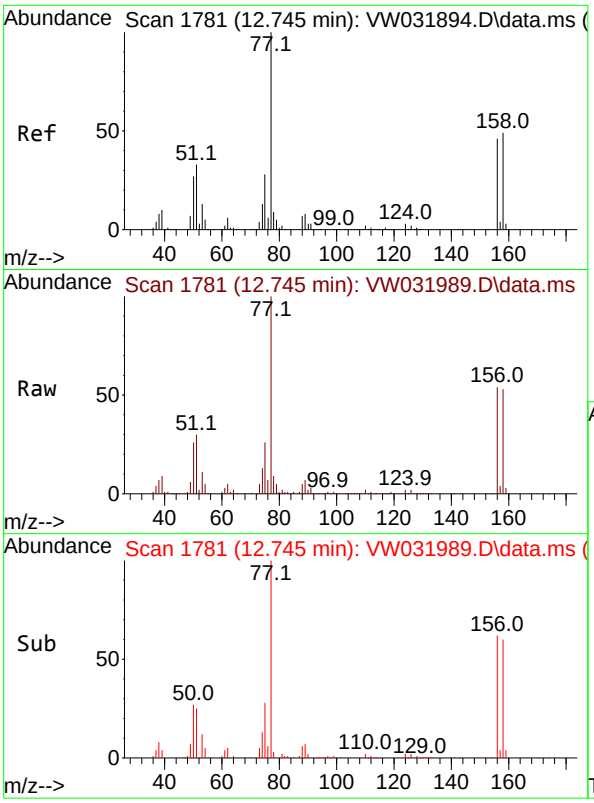


#76
1,2,3-Trichloropropane
Concen: 31.437 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 74037

Ion	Ratio	Lower	Upper
75	100		
77	179.9	0.0	0.0#



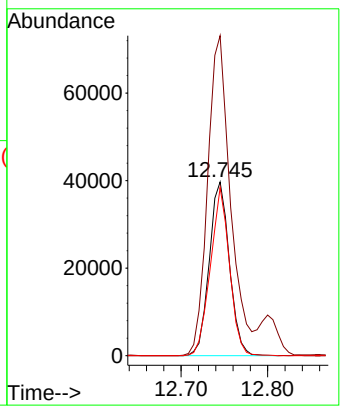


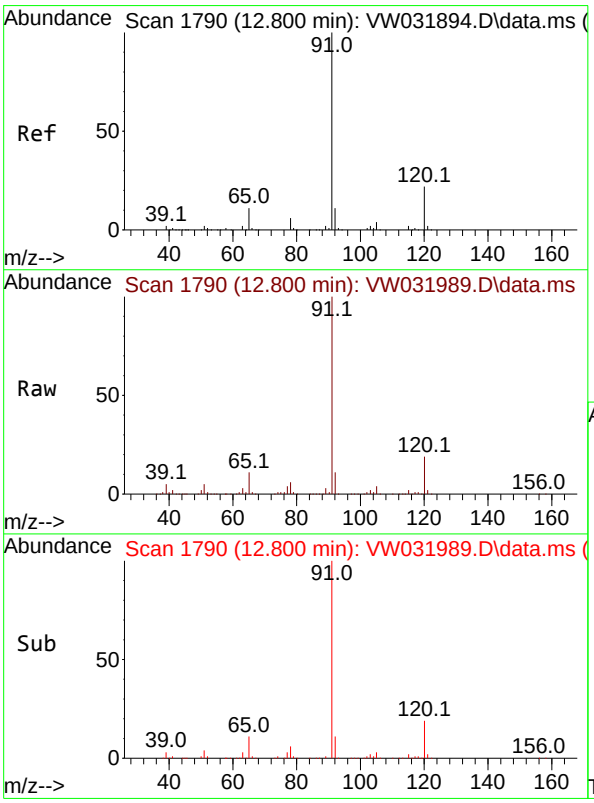
#77
Bromobenzene
Concen: 20.016 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:156 Resp: 64098

Ion	Ratio	Lower	Upper
156	100		
77	207.8	115.3	345.8
158	91.8	50.1	150.3

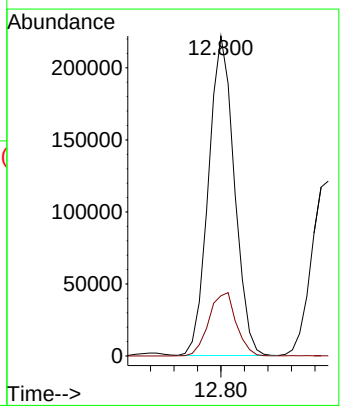


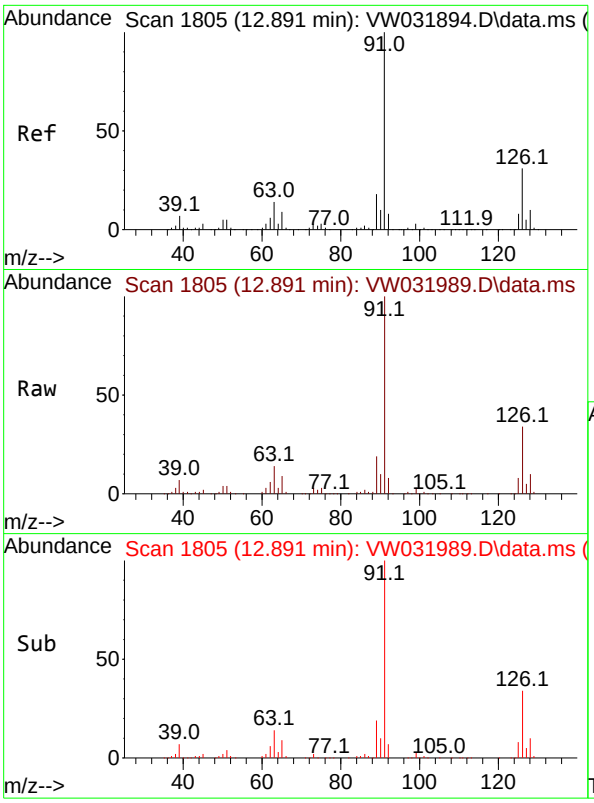


#78
n-propylbenzene
Concen: 18.616 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 91 Resp: 338399

Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.9	32.6



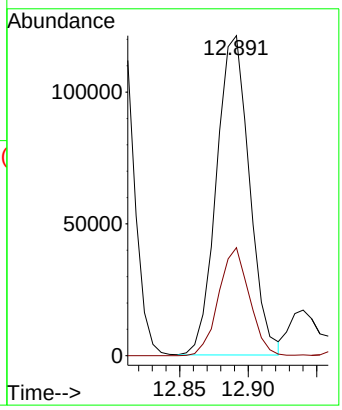


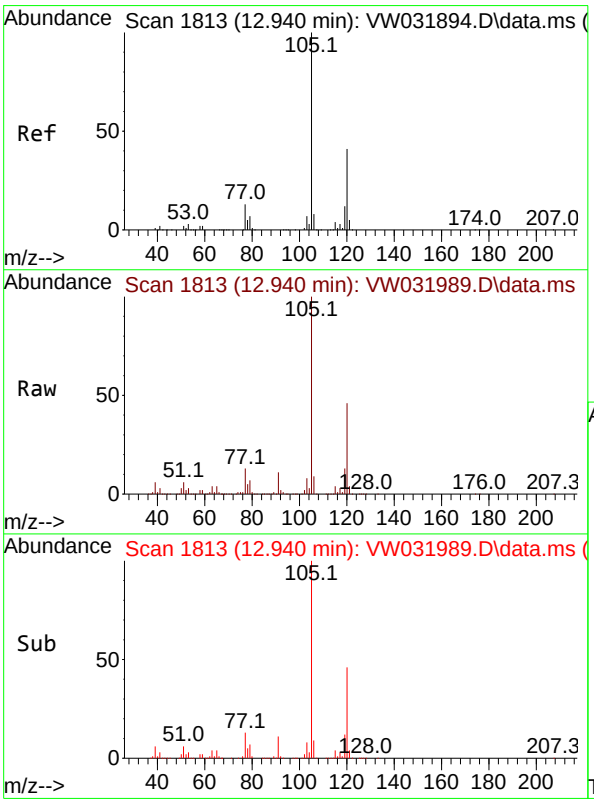
#79
2-Chlorotoluene
Concen: 18.707 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 91 Resp: 203033

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8

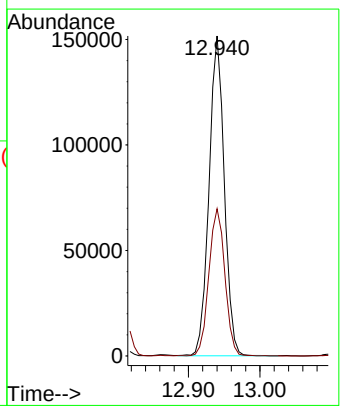


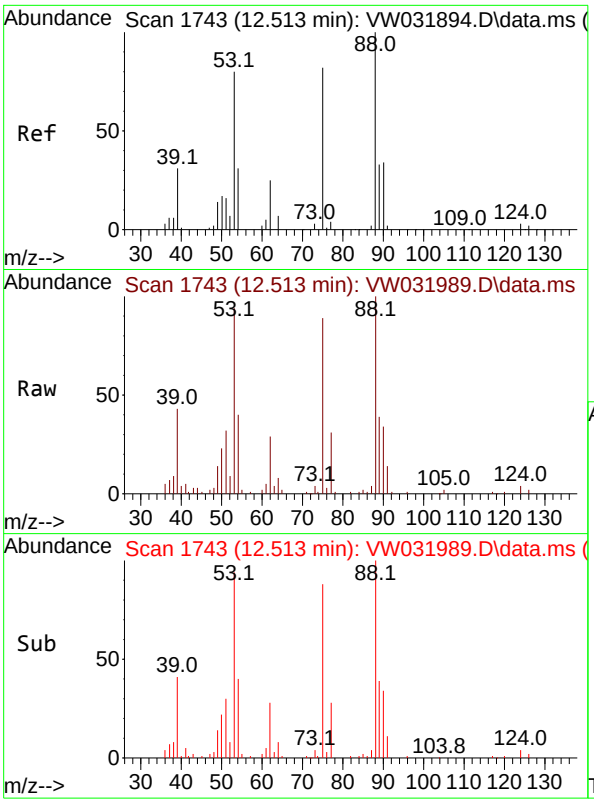


#80
1,3,5-Trimethylbenzene
Concen: 18.099 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:105 Resp: 224663

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.5	70.5



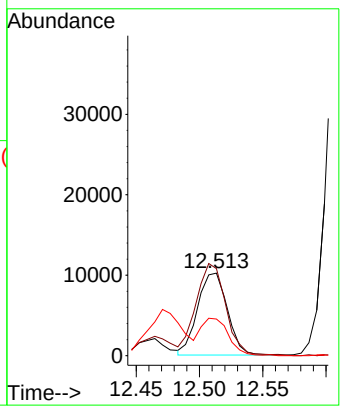


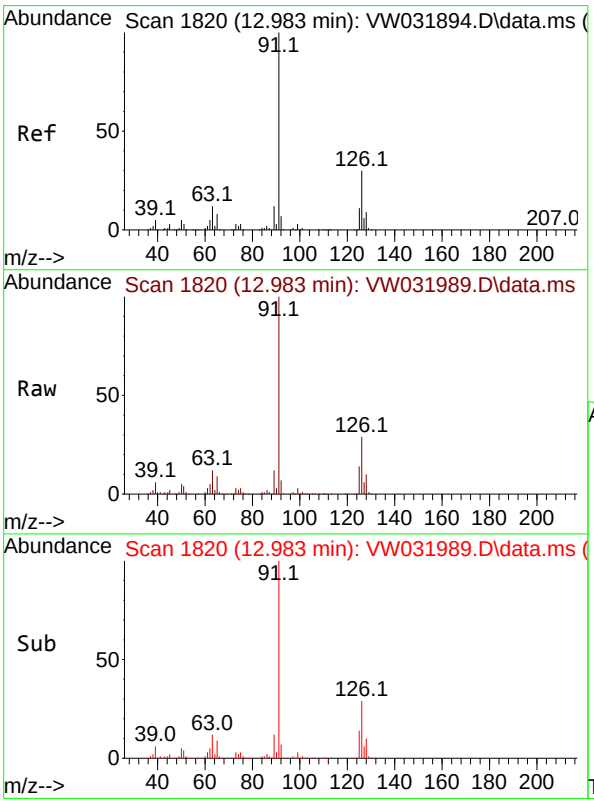
#81
trans-1,4-Dichloro-2-butene
Concen: 16.344 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 75 Resp: 16672

Ion	Ratio	Lower	Upper
75	100		
53	113.2	83.7	125.5
89	42.7	39.0	58.6

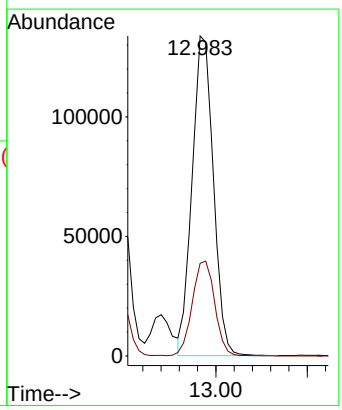


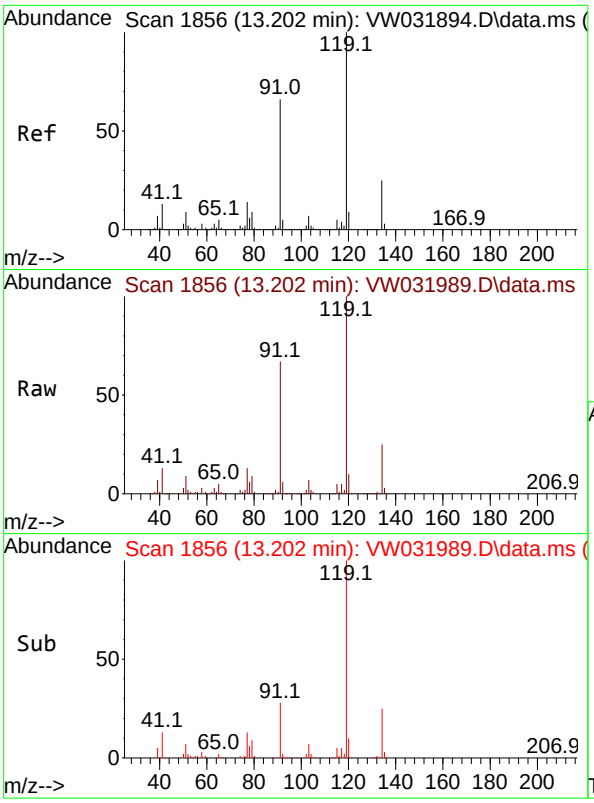


#82
4-Chlorotoluene
Concen: 18.988 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 91 Resp: 216191

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.8	47.3



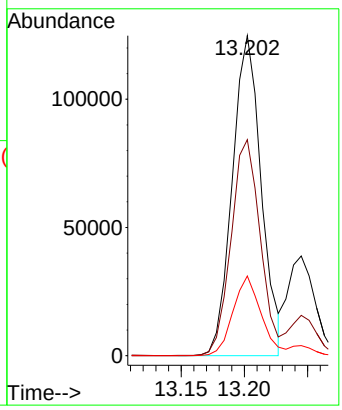


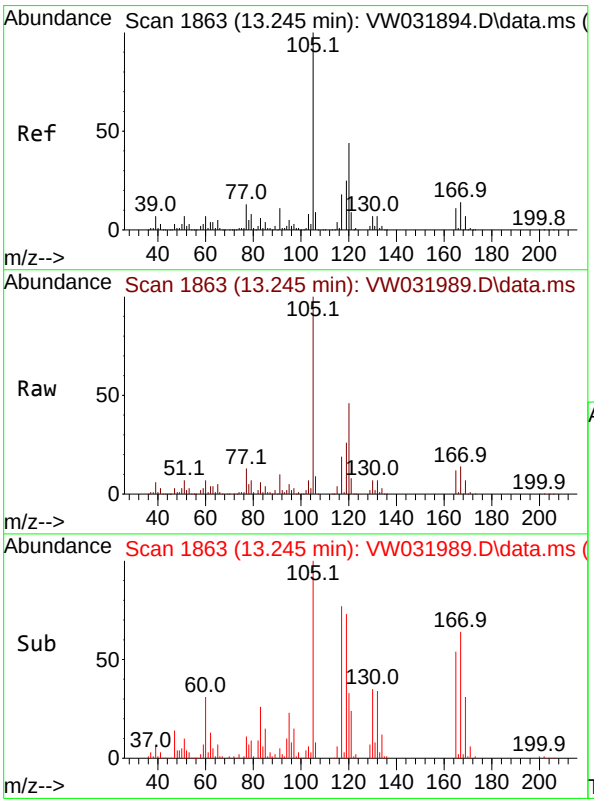
#83
tert-Butylbenzene
Concen: 18.810 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:119 Resp: 198880

Ion	Ratio	Lower	Upper
119	100		
91	67.7	35.5	106.5
134	24.3	12.4	37.0

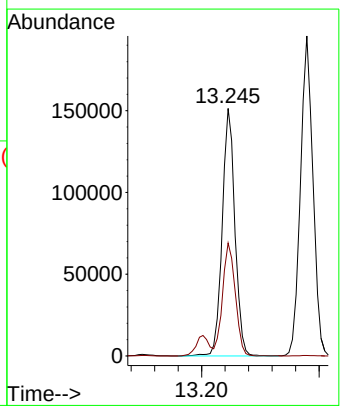


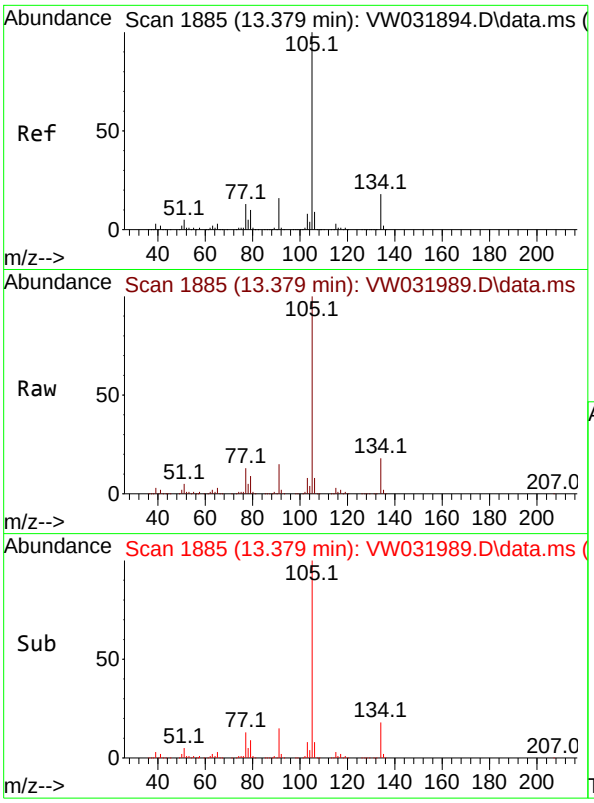


#84
1,2,4-Trimethylbenzene
Concen: 18.079 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:105 Resp: 227134

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.3	63.9



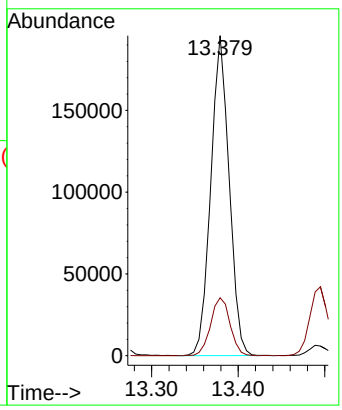


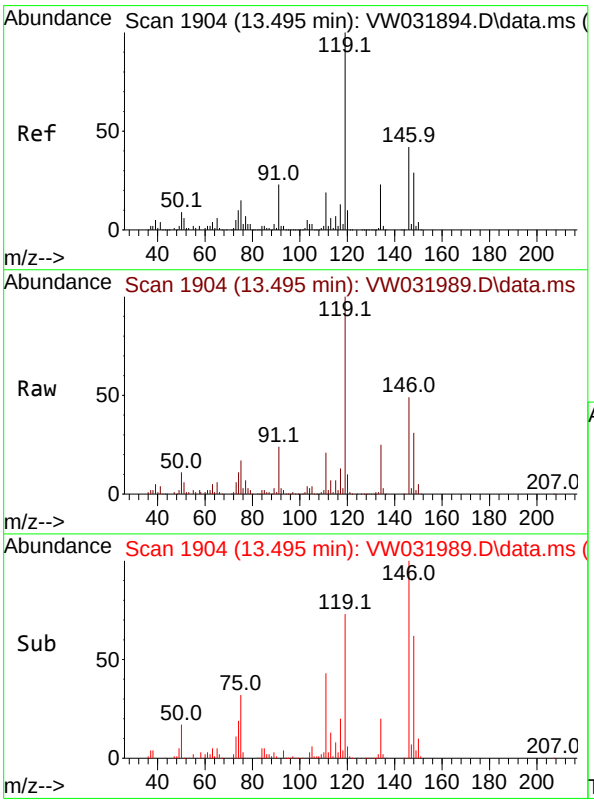
#85
sec-Butylbenzene
Concen: 18.141 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:105 Resp: 288056

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.2	27.6

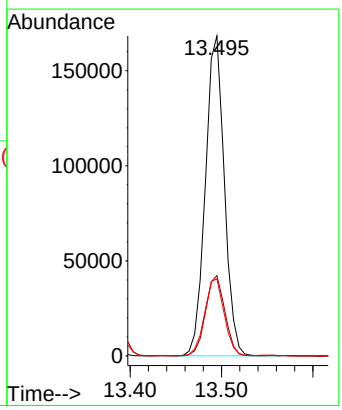


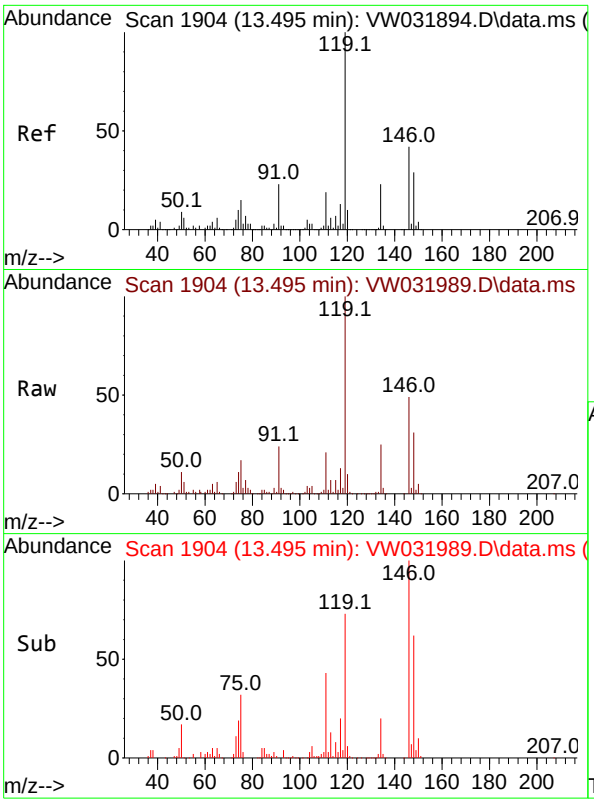


#86
p-Isopropyltoluene
Concen: 18.436 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:119 Resp: 241954

Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	25.0	12.7	38.1



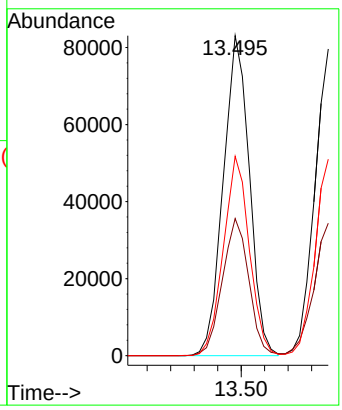


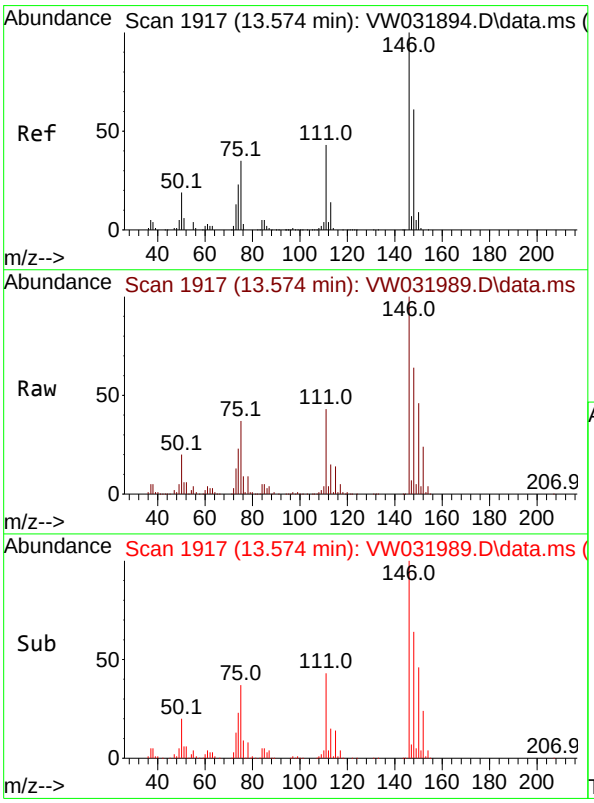
#87
1,3-Dichlorobenzene
Concen: 19.264 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:146 Resp: 128413

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	62.0	31.9	95.5

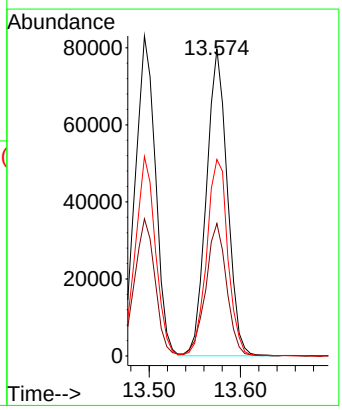


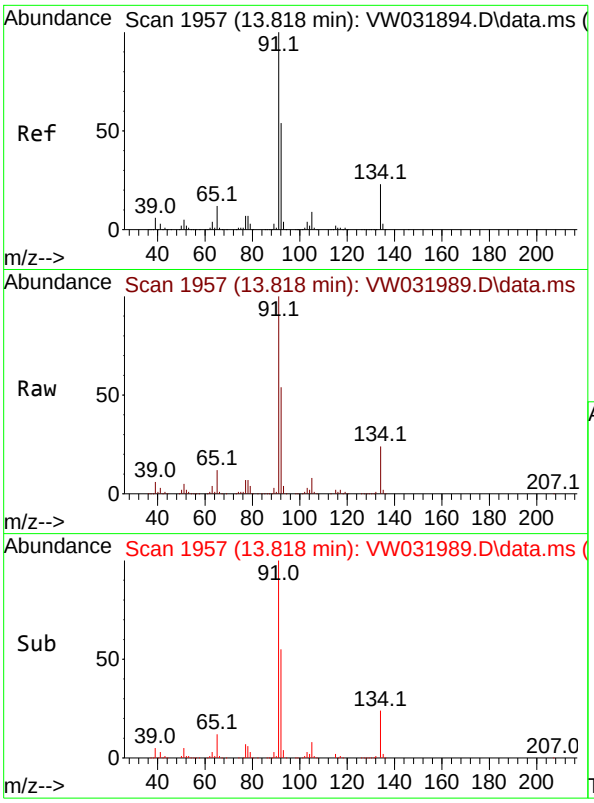


#88
1,4-Dichlorobenzene
Concen: 19.379 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:146 Resp: 126546

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.1	66.3
148	65.4	31.8	95.3



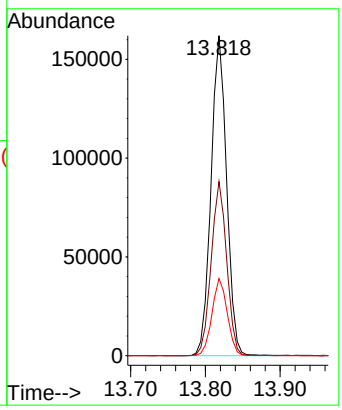


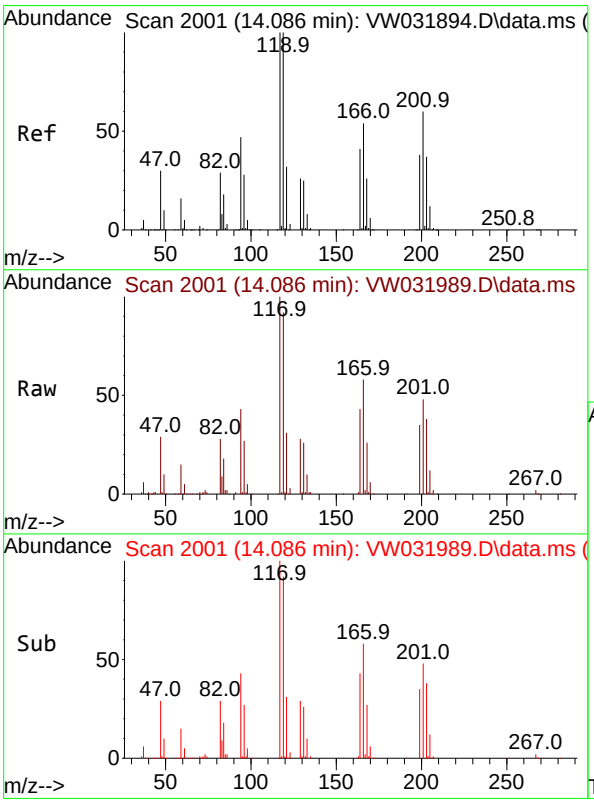
#89
n-Butylbenzene
Concen: 18.177 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion: 91 Resp: 234020

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	23.8	11.6	34.7

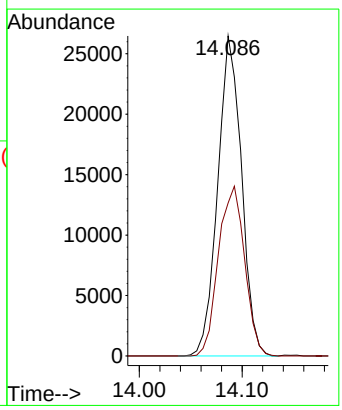


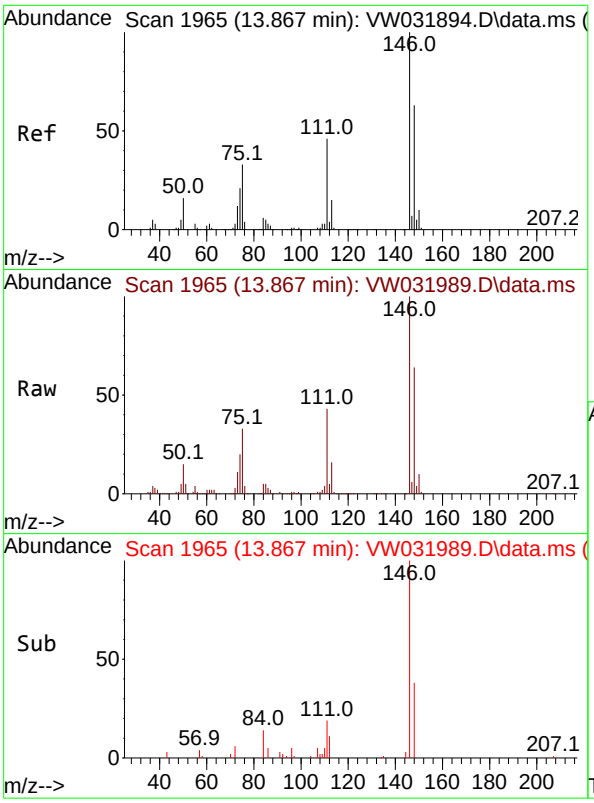


#90
Hexachloroethane
Concen: 18.736 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:117 Resp: 42519

Ion	Ratio	Lower	Upper
117	100		
201	58.5	28.4	85.2



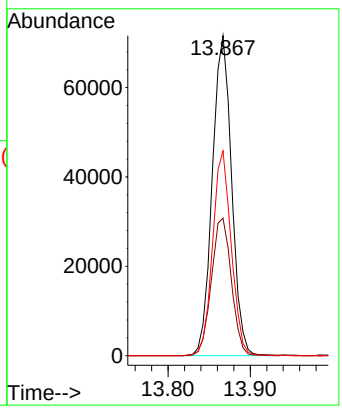


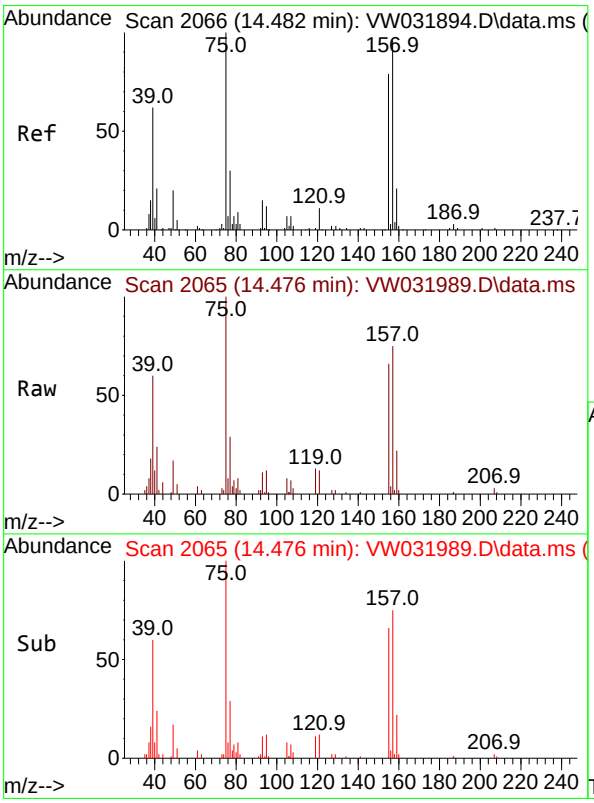
#91
1,2-Dichlorobenzene
Concen: 19.754 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:146 Resp: 116699

Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.6	71.0
148	61.6	32.4	97.2

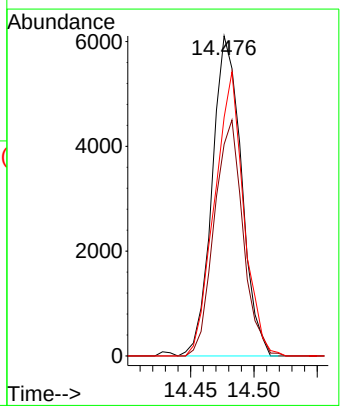


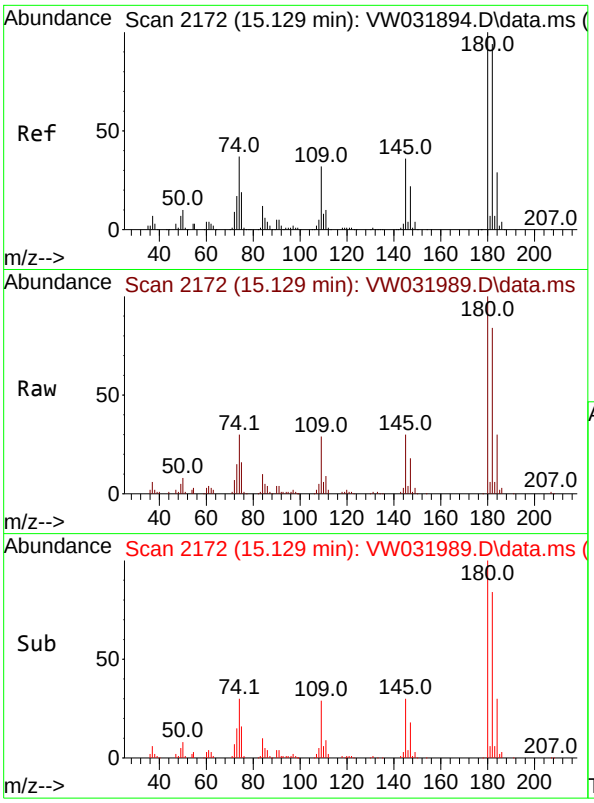


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.291 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion: 75 Resp: 9814

Ion	Ratio	Lower	Upper
75	100		
155	72.6	35.9	107.7
157	88.1	47.4	142.2



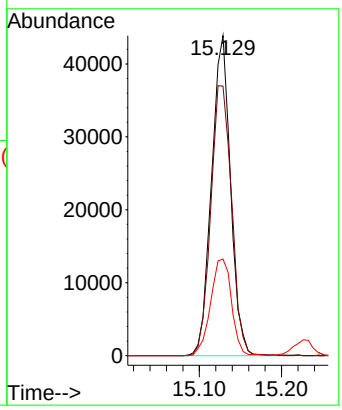


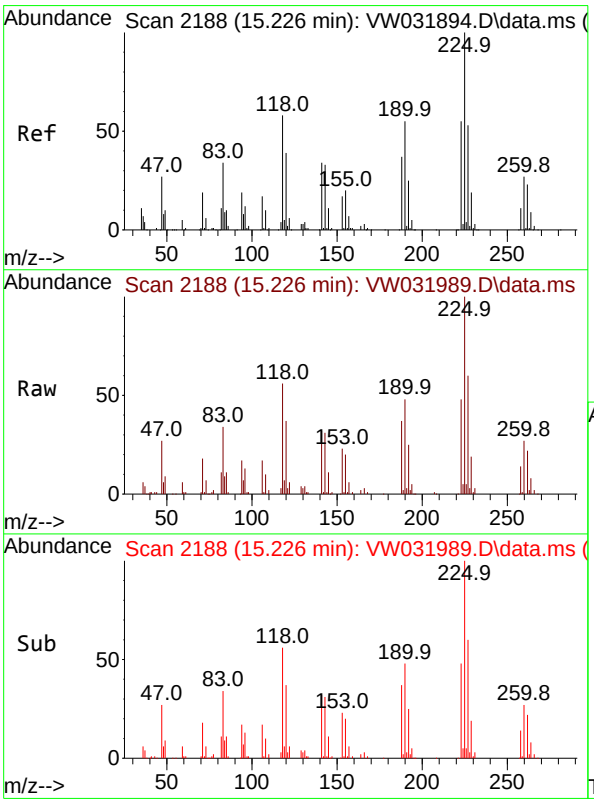
#93
1,2,4-Trichlorobenzene
Concen: 19.753 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:180 Resp: 70374

Ion	Ratio	Lower	Upper
180	100		
182	92.7	51.0	153.1
145	33.3	18.4	55.4

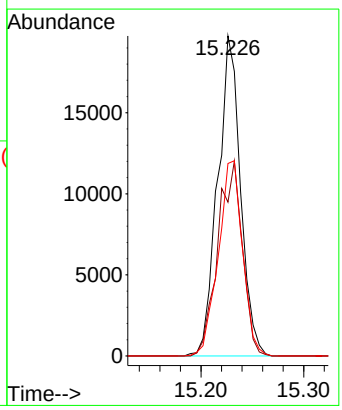


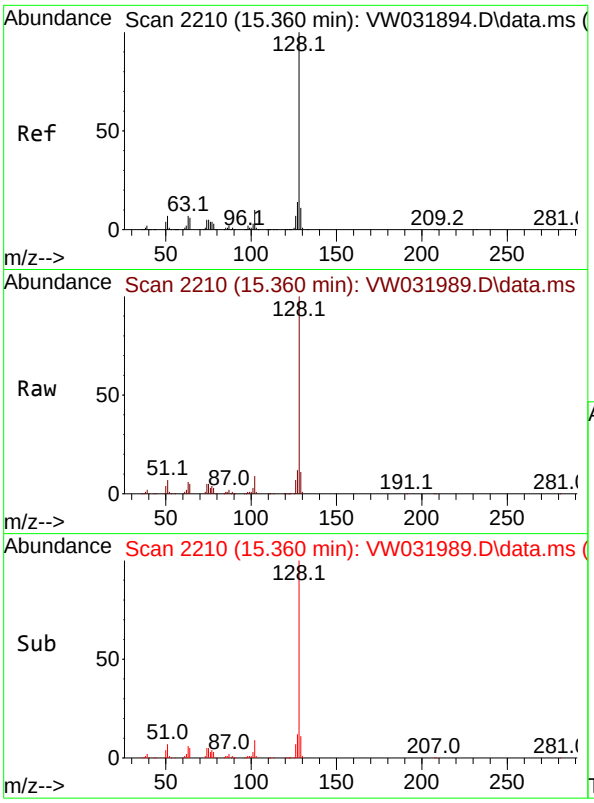


#94
Hexachlorobutadiene
Concen: 17.967 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:225 Resp: 30332

Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.9	92.7
227	65.0	30.0	90.1



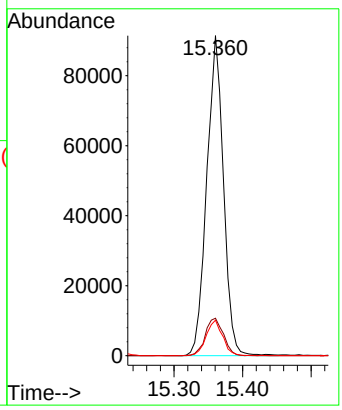


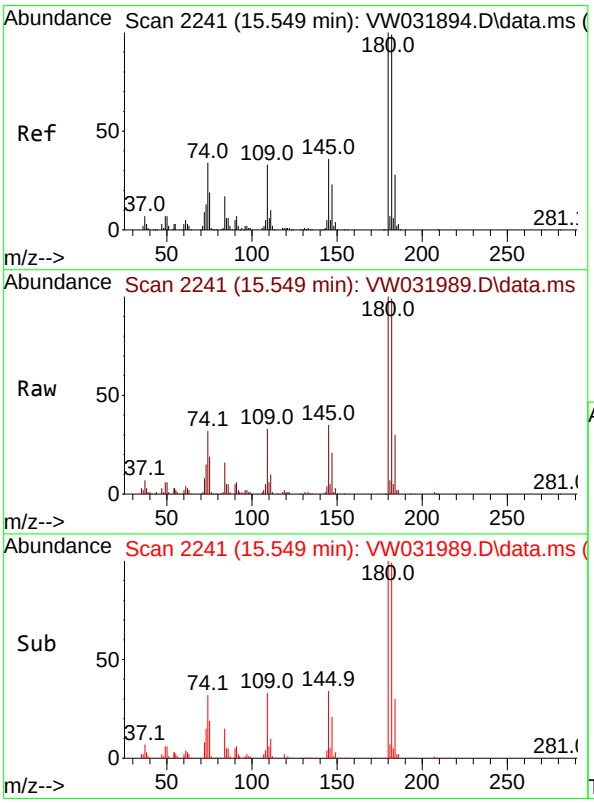
#95
Naphthalene
Concen: 17.749 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

Tgt Ion:128 Resp: 155462

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.0	9.2	13.8

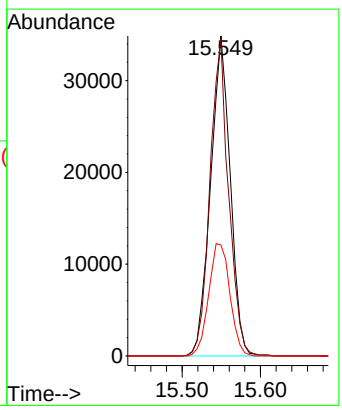




#96
1,2,3-Trichlorobenzene
Concen: 18.855 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031989.D
Acq: 04 Aug 2025 10:20

Tgt Ion:180 Resp: 60864

Ion	Ratio	Lower	Upper
180	100		
182	93.8	50.4	151.2
145	37.8	18.6	55.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	210865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	411619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	375477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	177640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162574	50.966	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.940%			
35) Dibromofluoromethane	7.898	113	139653	49.929	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.860%			
50) Toluene-d8	10.324	98	506349	47.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.617	95	198243	48.771	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	78662	50.193	ug/l	98
3) Chloromethane	2.259	50	110157	54.763	ug/l	98
4) Vinyl Chloride	2.405	62	128952	49.350	ug/l	99
5) Bromomethane	2.826	94	104463	54.290	ug/l	99
6) Chloroethane	2.966	64	93658	54.308	ug/l	99
7) Trichlorofluoromethane	3.307	101	128247	48.458	ug/l	100
8) Diethyl Ether	3.722	74	94004	53.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	134456	52.819	ug/l	98
10) Methyl Iodide	4.313	142	197932	52.004	ug/l	99
11) Tert butyl alcohol	5.228	59	56395	300.768	ug/l	100
12) 1,1-Dichloroethene	4.082	96	145568	51.773	ug/l	97
13) Acrolein	3.929	56	14972	49.545	ug/l	98
14) Allyl chloride	4.709	41	229096	52.341	ug/l	99
15) Acrylonitrile	5.404	53	233800	295.808	ug/l	98
16) Acetone	4.161	43	195270	257.974	ug/l	99
17) Carbon Disulfide	4.423	76	394155	54.053	ug/l	99
18) Methyl Acetate	4.709	43	136825	65.611	ug/l	100
19) Methyl tert-butyl Ether	5.465	73	285227	58.711	ug/l	98
20) Methylene Chloride	4.959	84	167663	51.974	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	162609	54.508	ug/l	99
22) Diisopropyl ether	6.343	45	487017	55.606	ug/l	99
23) Vinyl Acetate	6.282	43	1599078	279.463	ug/l	98
24) 1,1-Dichloroethane	6.246	63	298659	54.769	ug/l	99
25) 2-Butanone	7.197	43	294187	284.058	ug/l	97
26) 2,2-Dichloropropane	7.185	77	157807	51.117	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	196701	56.086	ug/l	99
28) Bromochloromethane	7.532	49	109656	48.028	ug/l	97
29) Tetrahydrofuran	7.550	42	202700	298.524	ug/l	100
30) Chloroform	7.691	83	316638	55.380	ug/l	96
31) Cyclohexane	7.971	56	246168	50.319	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	230094	52.886	ug/l	99
36) 1,1-Dichloropropene	8.099	75	217478	50.630	ug/l	98
37) Ethyl Acetate	7.276	43	132746	54.174	ug/l	99
38) Carbon Tetrachloride	8.087	117	203826	49.444	ug/l	90
39) Methylcyclohexane	9.343	83	269494	49.854	ug/l	99
40) Benzene	8.337	78	665711	52.355	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	72701	49.564	ug/l		89
42) 1,2-Dichloroethane	8.416	62	214722	52.764	ug/l		99
43) Isopropyl Acetate	8.434	43	240471	54.209	ug/l		99
44) Trichloroethene	9.105	130	159011	52.612	ug/l		94
45) 1,2-Dichloropropane	9.373	63	163908	53.525	ug/l		98
46) Dibromomethane	9.465	93	103944	54.757	ug/l		99
47) Bromodichloromethane	9.654	83	242060	53.178	ug/l		95
48) Methyl methacrylate	9.440	41	116879	55.382	ug/l		98
49) 1,4-Dioxane	9.465	88	22580	1192.087	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.215	43	695504	286.490	ug/l		99
52) Toluene	10.391	92	423299	51.787	ug/l		95
53) t-1,3-Dichloropropene	10.611	75	232934	53.347	ug/l		96
54) cis-1,3-Dichloropropene	10.080	75	267688	53.683	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	138694	55.004	ug/l		95
56) Ethyl methacrylate	10.647	69	200814	56.390	ug/l		99
57) 1,3-Dichloropropane	10.934	76	241452	54.354	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	448842	245.376	ug/l		99
59) 2-Hexanone	10.971	43	477821	283.159	ug/l		100
60) Dibromochloromethane	11.129	129	163699	55.682	ug/l		100
61) 1,2-Dibromoethane	11.239	107	136645	54.843	ug/l		99
64) Tetrachloroethene	10.867	164	125818	50.824	ug/l		91
65) Chlorobenzene	11.659	112	469117	51.049	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.733	131	148536	52.138	ug/l		97
67) Ethyl Benzene	11.733	91	824369	51.057	ug/l		97
68) m/p-Xylenes	11.836	106	618923	101.825	ug/l		98
69) o-Xylene	12.165	106	293833	51.081	ug/l		97
70) Styrene	12.178	104	518864	52.978	ug/l		99
71) Bromoform	12.348	173	87472	56.142	ug/l	#	100
73) Isopropylbenzene	12.464	105	759756	49.293	ug/l		98
74) N-amyl acetate	12.269	43	220001	52.797	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	171757	52.499	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	217427	88.652	ug/l	#	100
77) Bromobenzene	12.745	156	177897	53.344	ug/l		90
78) n-propylbenzene	12.799	91	926422	48.939	ug/l		99
79) 2-Chlorotoluene	12.891	91	558833	49.443	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	642679	49.717	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	55119	51.886	ug/l		96
82) 4-Chlorotoluene	12.988	91	578985	48.829	ug/l		100
83) tert-Butylbenzene	13.202	119	536042	48.682	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	634587	48.501	ug/l		96
85) sec-Butylbenzene	13.379	105	791591	47.871	ug/l		98
86) p-Isopropyltoluene	13.494	119	661739	48.416	ug/l		98
87) 1,3-Dichlorobenzene	13.501	146	313676	45.186	ug/l		94
88) 1,4-Dichlorobenzene	13.574	146	339595	49.938	ug/l		99
89) n-Butylbenzene	13.818	91	653516	48.742	ug/l		99
90) Hexachloroethane	14.092	117	113537	48.040	ug/l		94
91) 1,2-Dichlorobenzene	13.866	146	316158	51.389	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30503	51.606	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	183993	49.590	ug/l		98
94) Hexachlorobutadiene	15.226	225	83998	47.777	ug/l		100
95) Naphthalene	15.360	128	480952	52.726	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	172358	51.272	ug/l		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

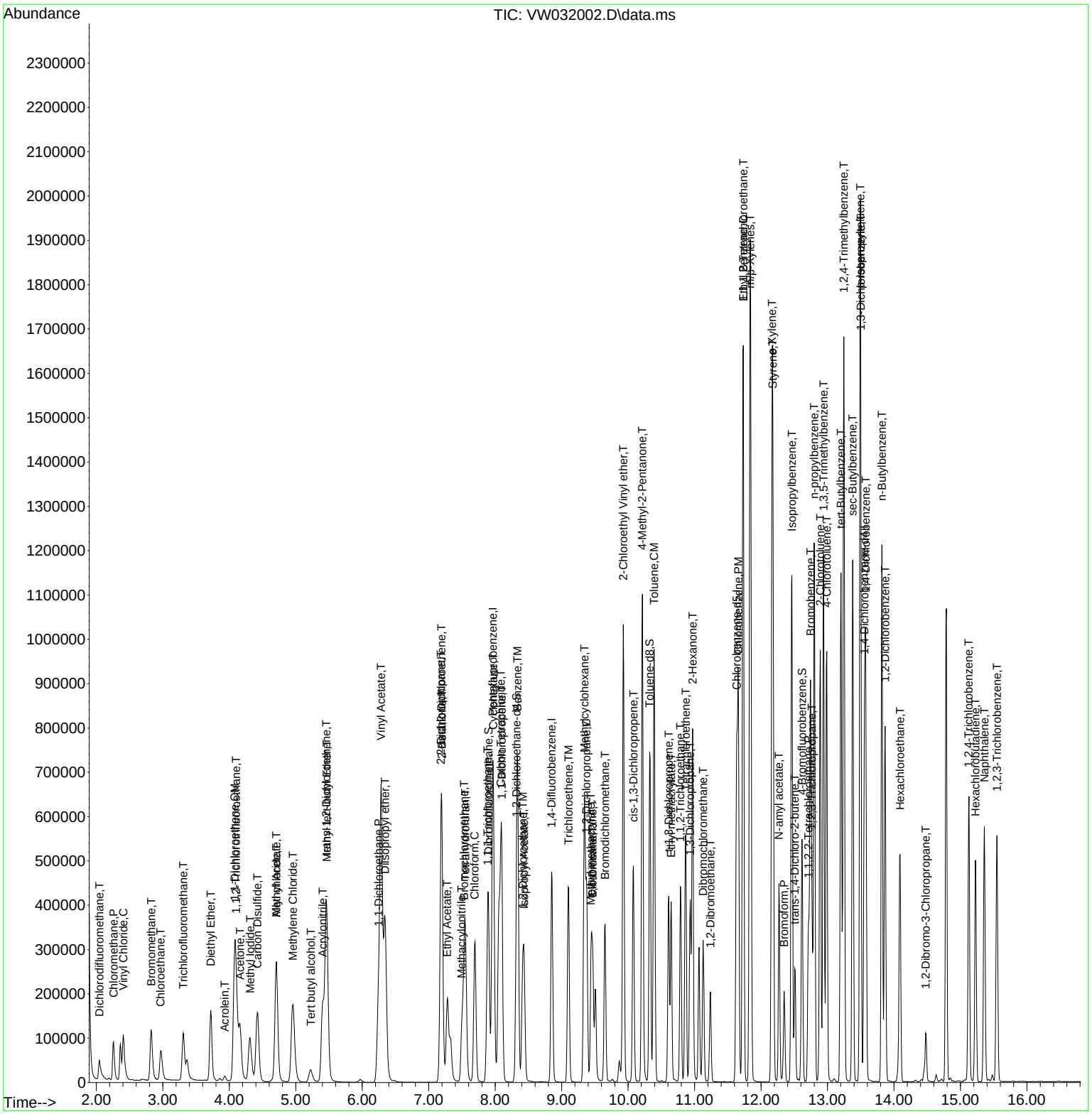
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

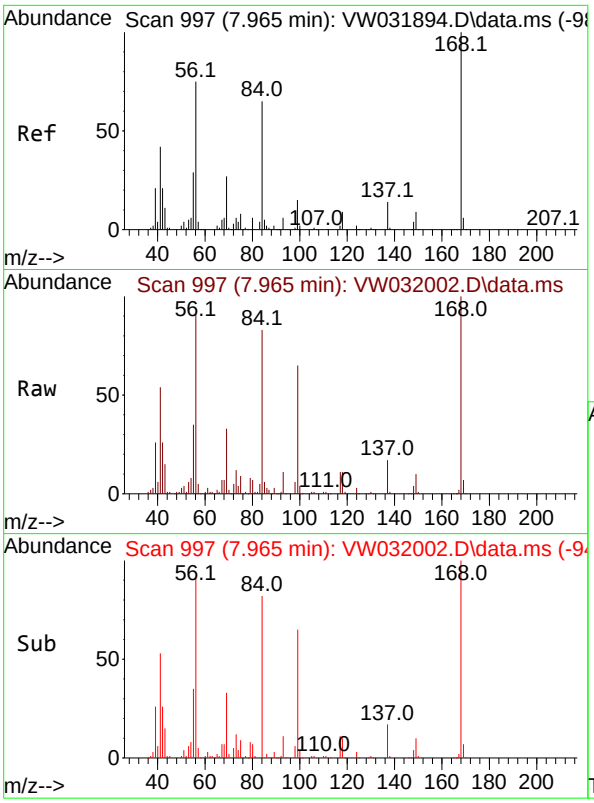
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
Data File : VW032002.D
Acq On : 04 Aug 2025 15:24
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 05 01:20:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



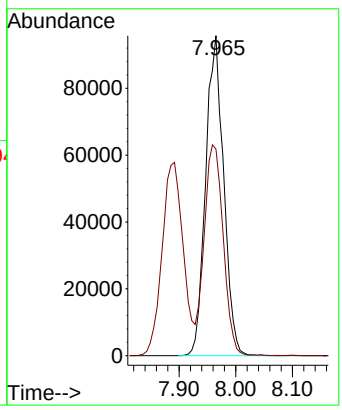


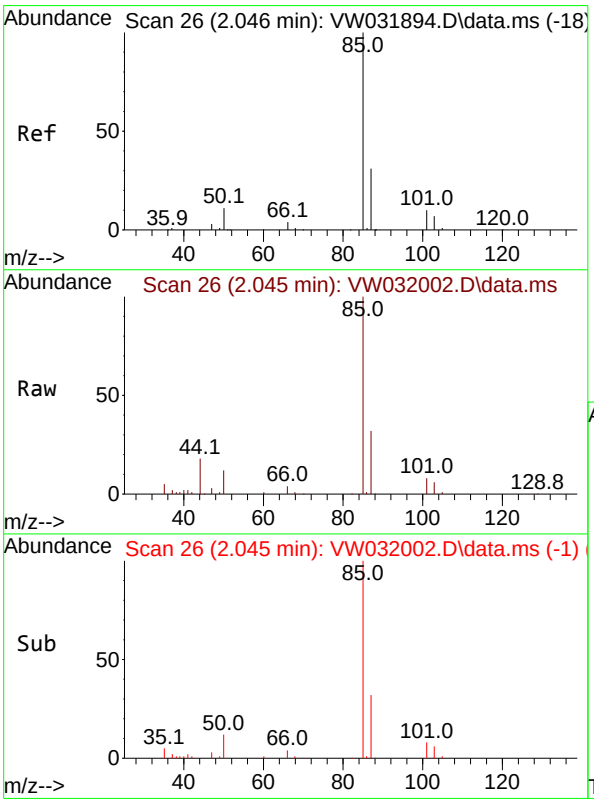
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 210865

Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.2	72.2

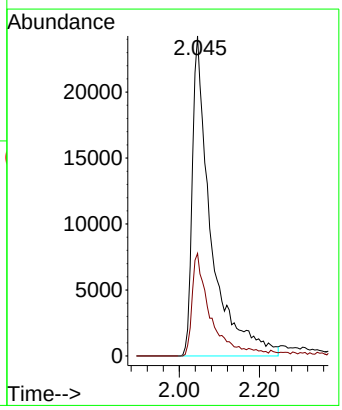


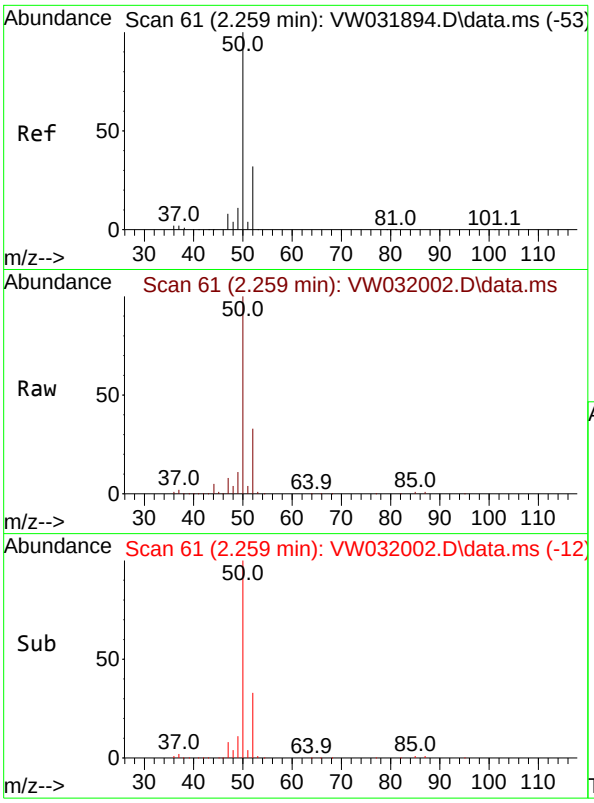


#2
Dichlorodifluoromethane
Concen: 50.193 ug/l
RT: 2.045 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 85 Resp: 78662

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.5	46.5



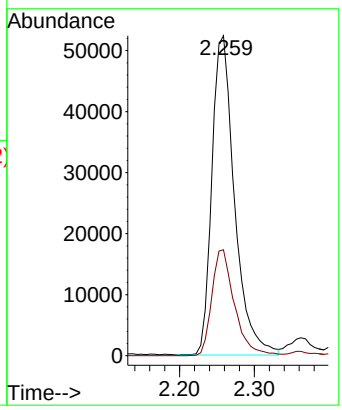


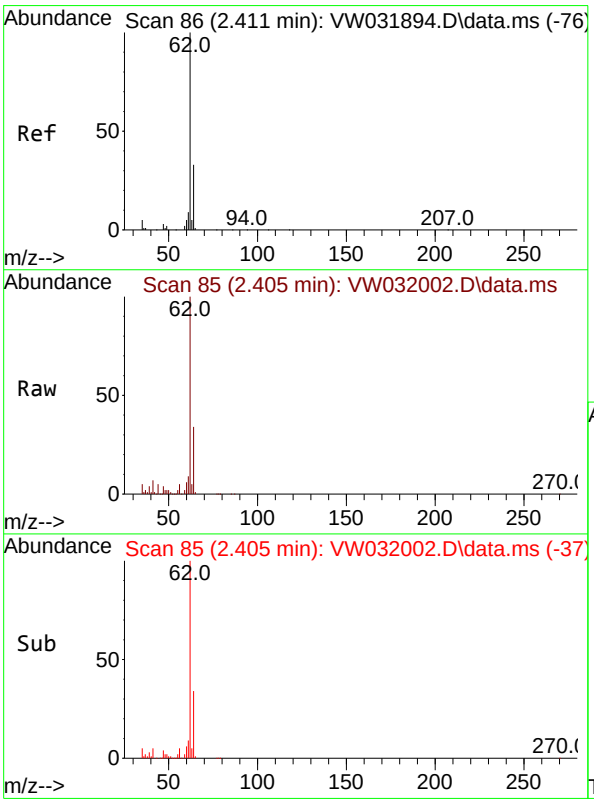
#3
Chloromethane
Concen: 54.763 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 110157

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.7	38.5

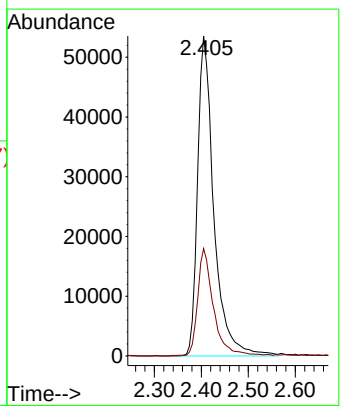


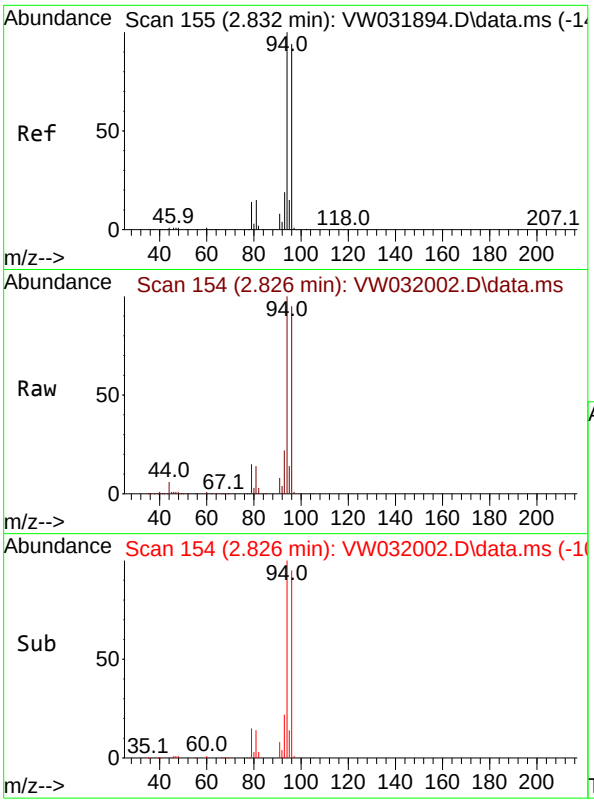


#4
Vinyl Chloride
Concen: 49.350 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 62 Resp: 128952

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.2	39.2



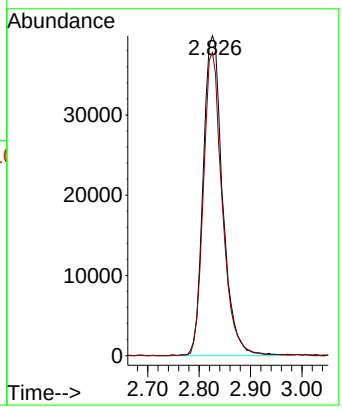


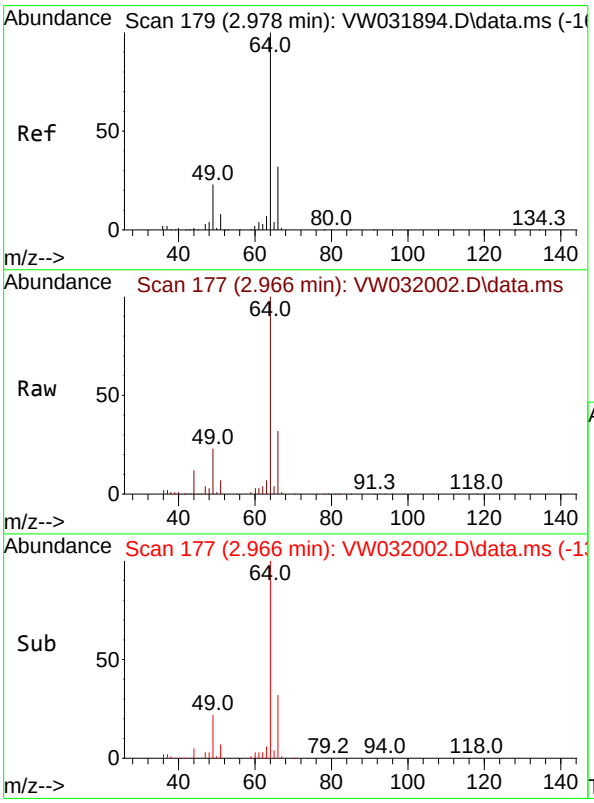
#5
Bromomethane
Concen: 54.290 ug/l
RT: 2.826 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 104463

Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.0	112.6

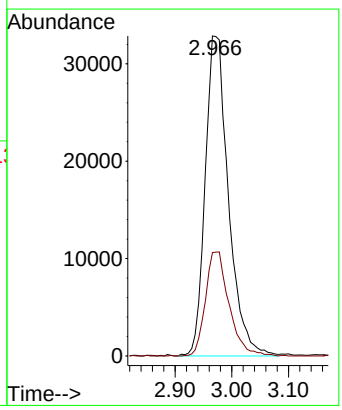


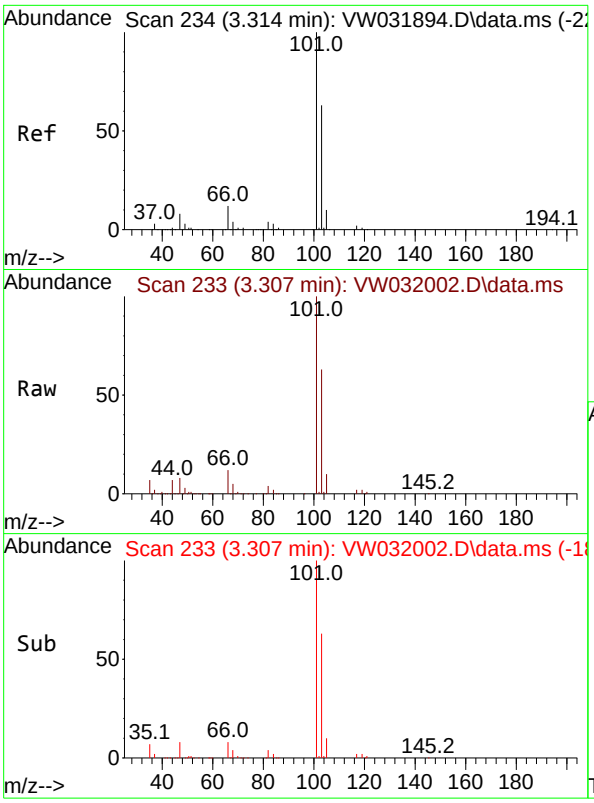


#6
Chloroethane
Concen: 54.308 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.012 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 64 Resp: 93658

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.6	38.4



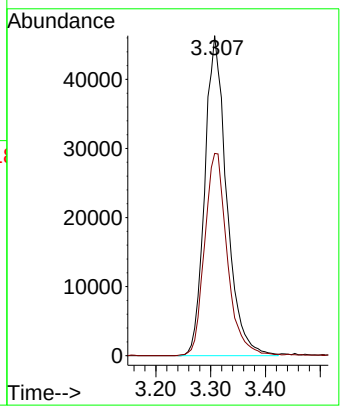


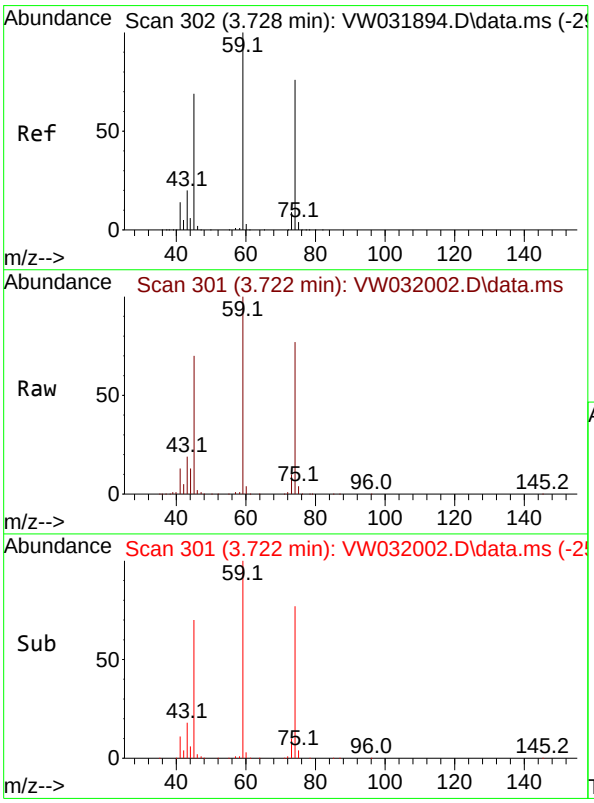
#7
Trichlorofluoromethane
Concen: 48.458 ug/l
RT: 3.307 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 128247

Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.7	76.1

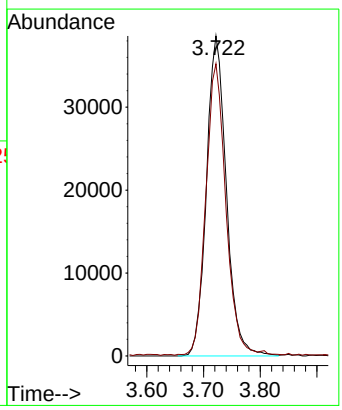


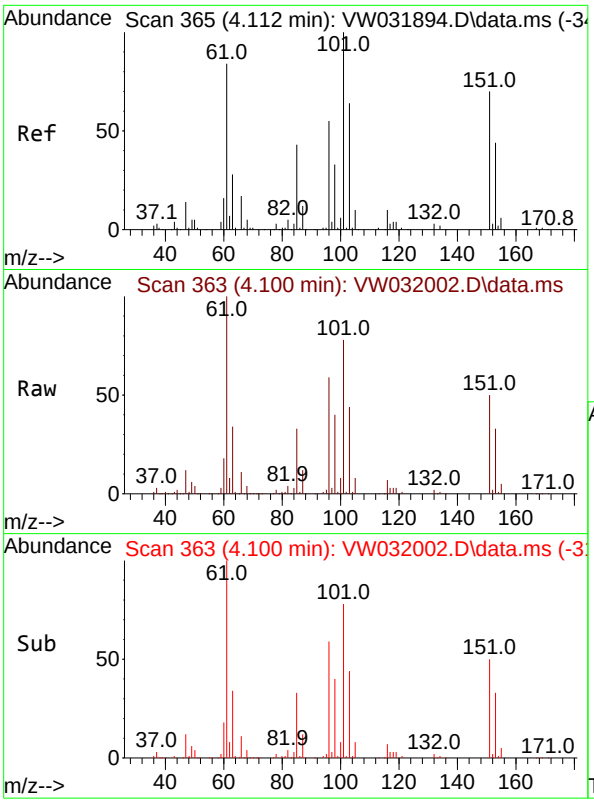


#8
Diethyl Ether
Concen: 53.173 ug/l
RT: 3.722 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 74 Resp: 94004

Ion	Ratio	Lower	Upper
74	100		
45	91.9	45.5	136.5



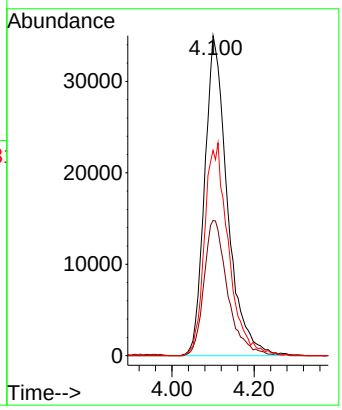


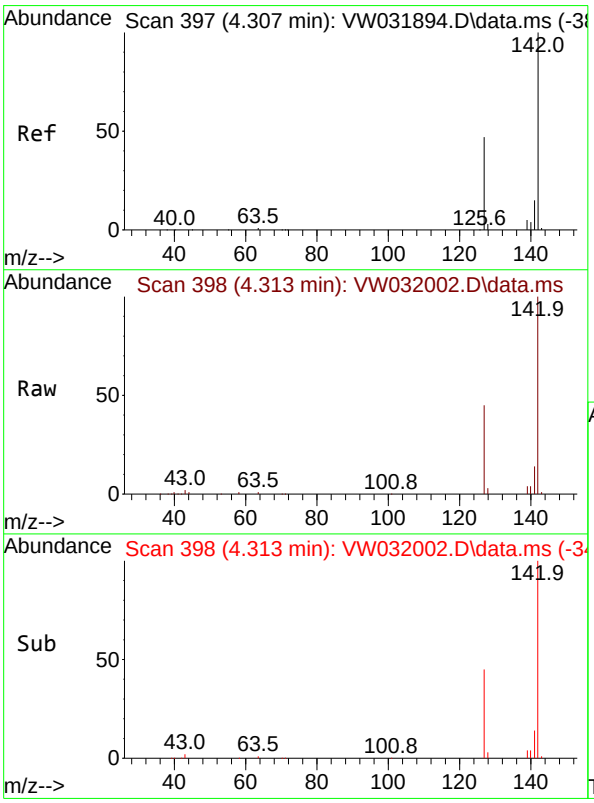
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.819 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 134456

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	70.0	54.6	81.8

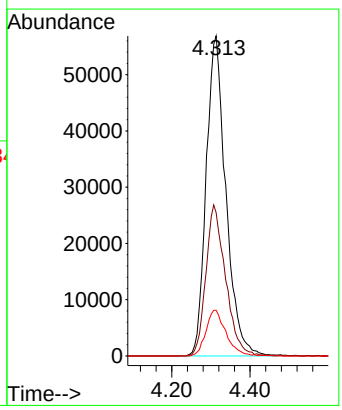


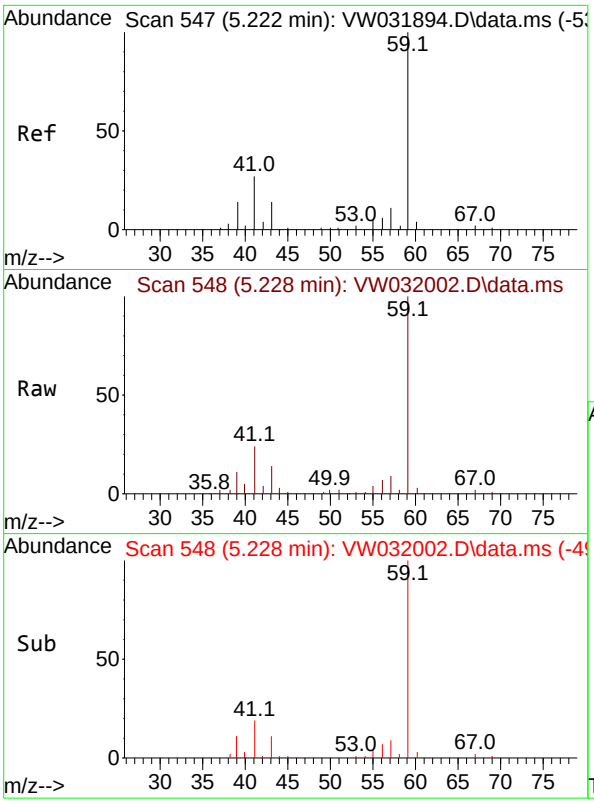


#10
Methyl Iodide
Concen: 52.004 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:142 Resp: 197932

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.4	56.2
141	14.6	11.9	17.9



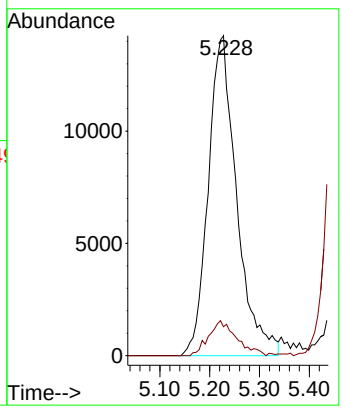


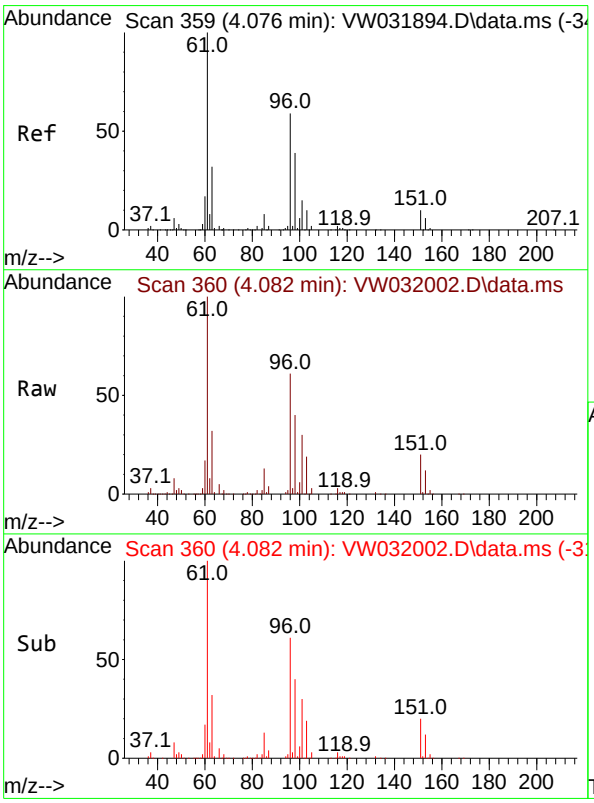
#11
Tert butyl alcohol
Concen: 300.768 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 56395

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

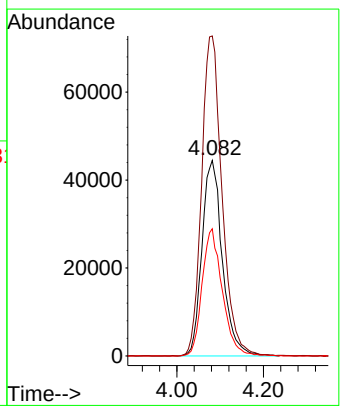


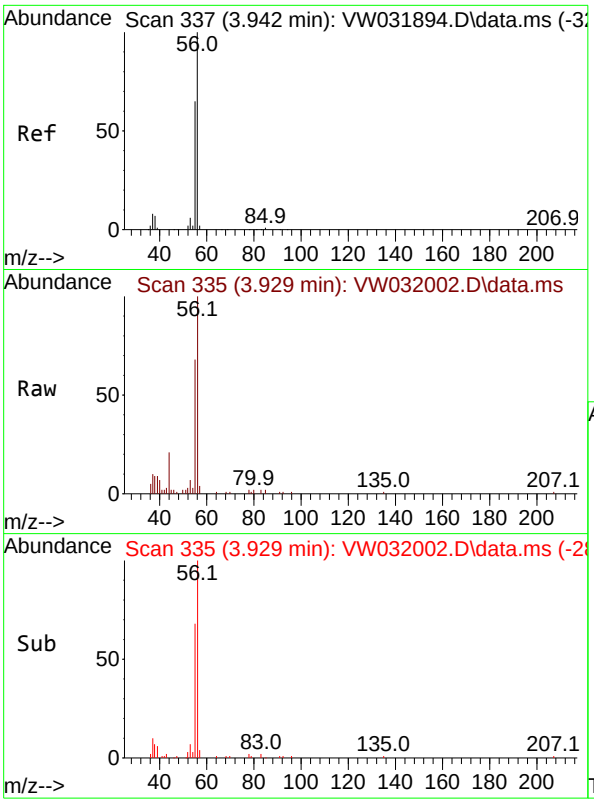


#12
1,1-Dichloroethene
Concen: 51.773 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 96 Resp: 145568

Ion	Ratio	Lower	Upper
96	100		
61	163.6	135.0	202.6
98	65.1	52.3	78.5



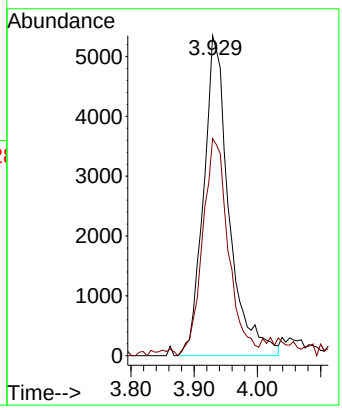


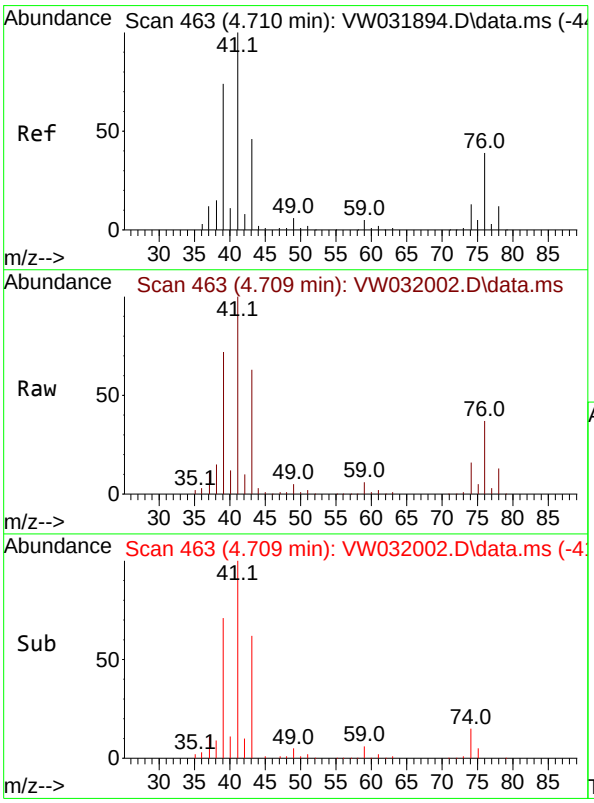
#13
Acrolein
Concen: 49.545 ug/l
RT: 3.929 min Scan# 3
Delta R.T. -0.013 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 14972

Ion	Ratio	Lower	Upper
56	100		
55	68.9	56.7	85.1

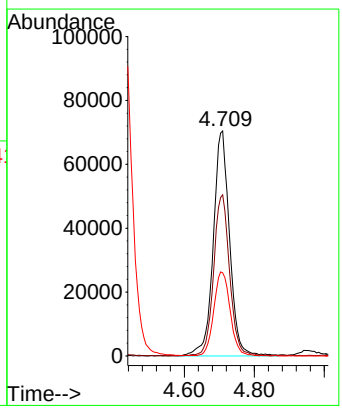


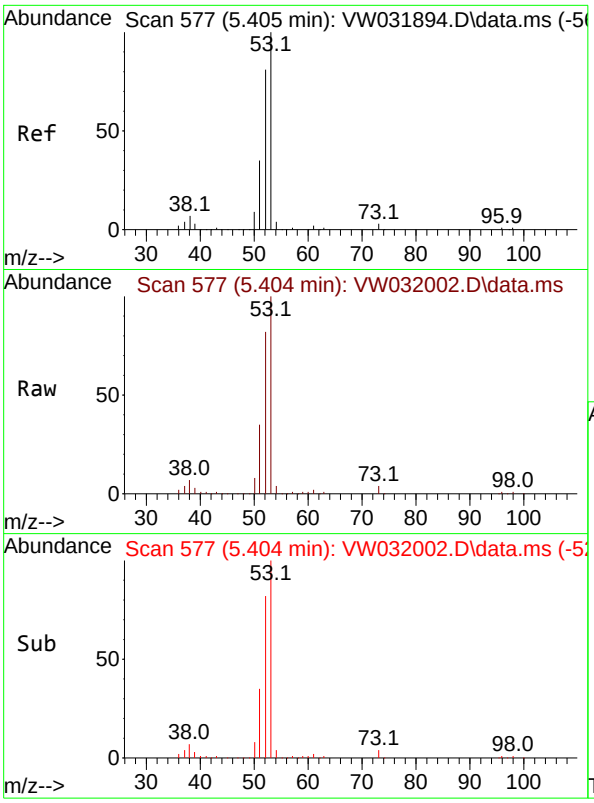


#14
Allyl chloride
Concen: 52.341 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 229096

Ion	Ratio	Lower	Upper
41	100		
39	69.7	56.6	85.0
76	37.1	30.1	45.1



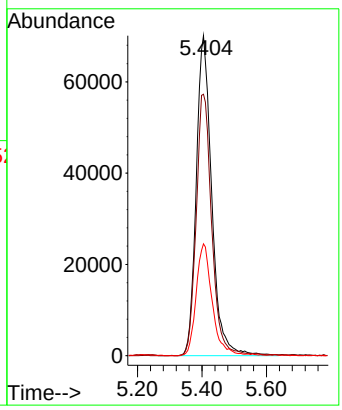


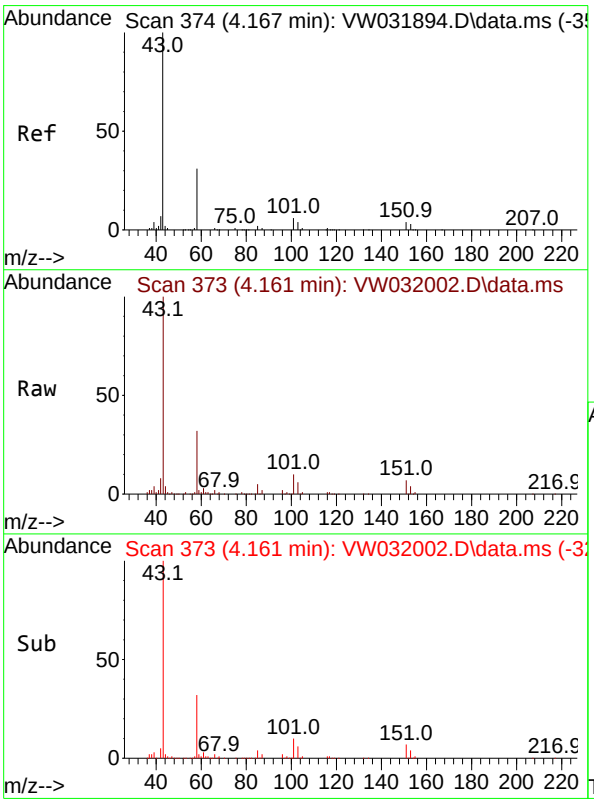
#15
Acrylonitrile
Concen: 295.808 ug/l
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 233800

Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.0	100.4
51	36.2	29.9	44.9

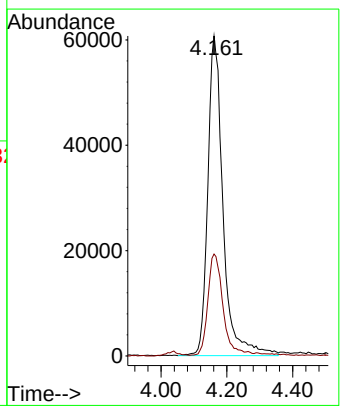


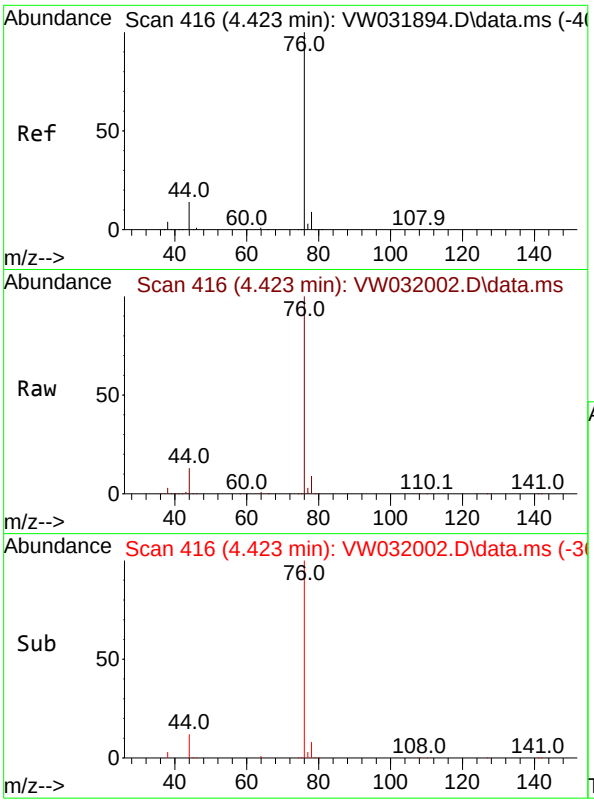


#16
Acetone
Concen: 257.974 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 195270

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.5	38.3



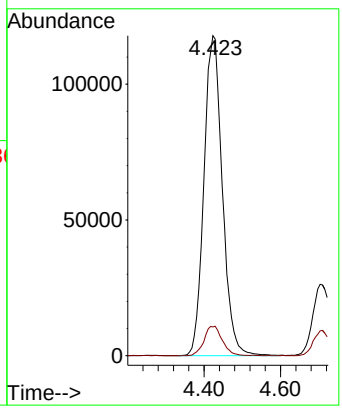


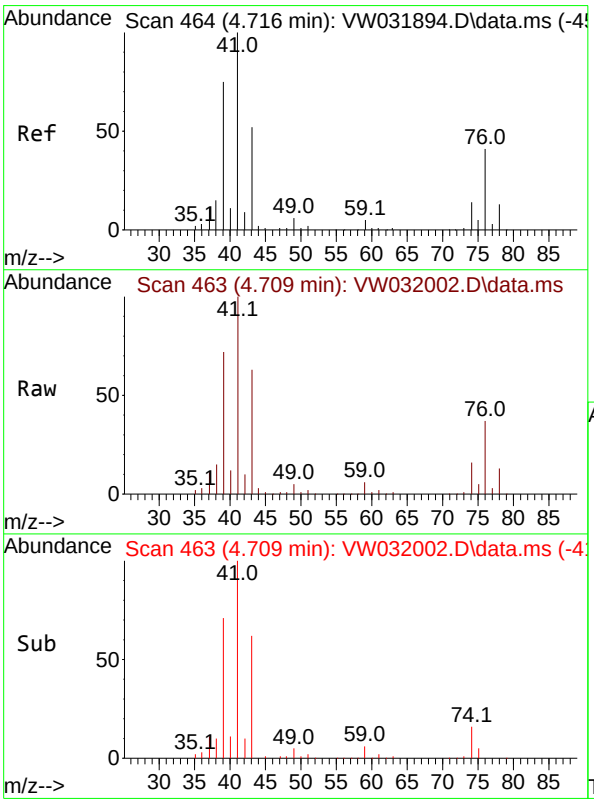
#17
Carbon Disulfide
Concen: 54.053 ug/l
RT: 4.423 min Scan# 4
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 394155

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

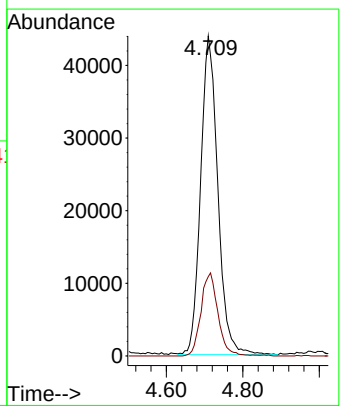


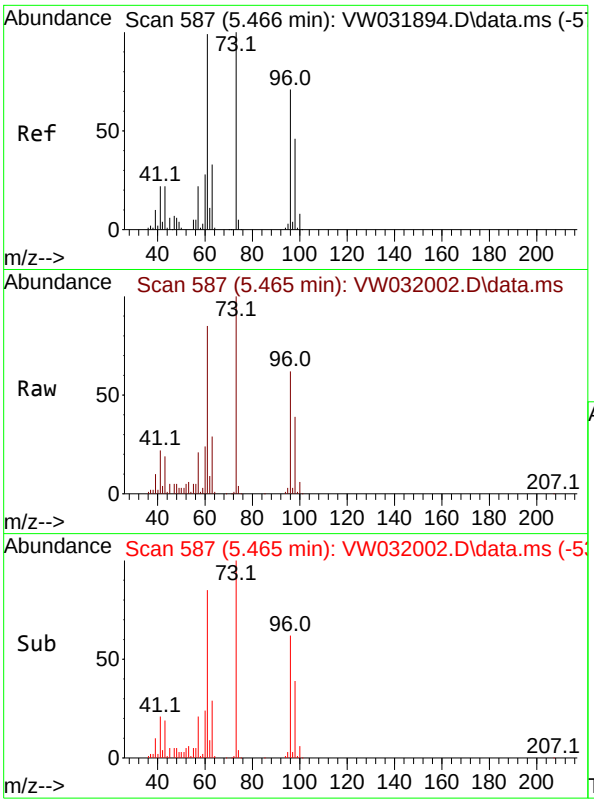


#18
Methyl Acetate
Concen: 65.611 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 136825

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	31.0



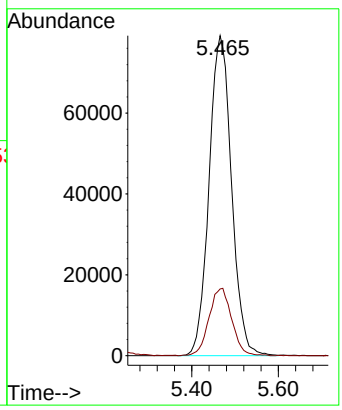


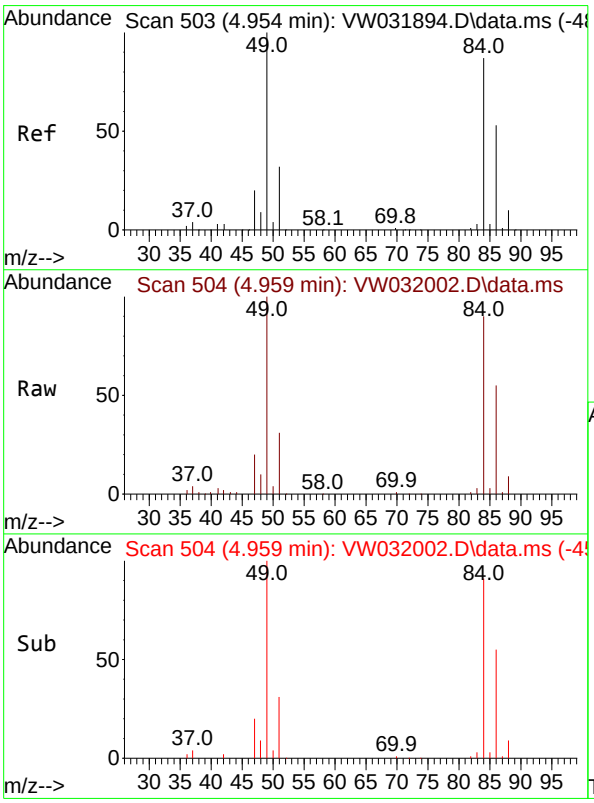
#19
Methyl tert-butyl Ether
Concen: 58.711 ug/l
RT: 5.465 min Scan# 5
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 285227

Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.5	26.3

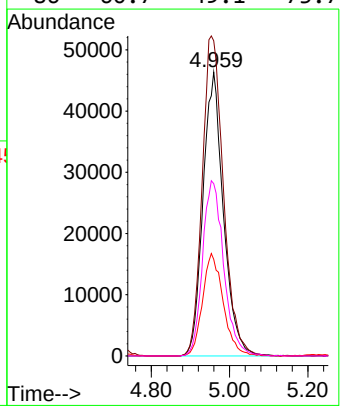


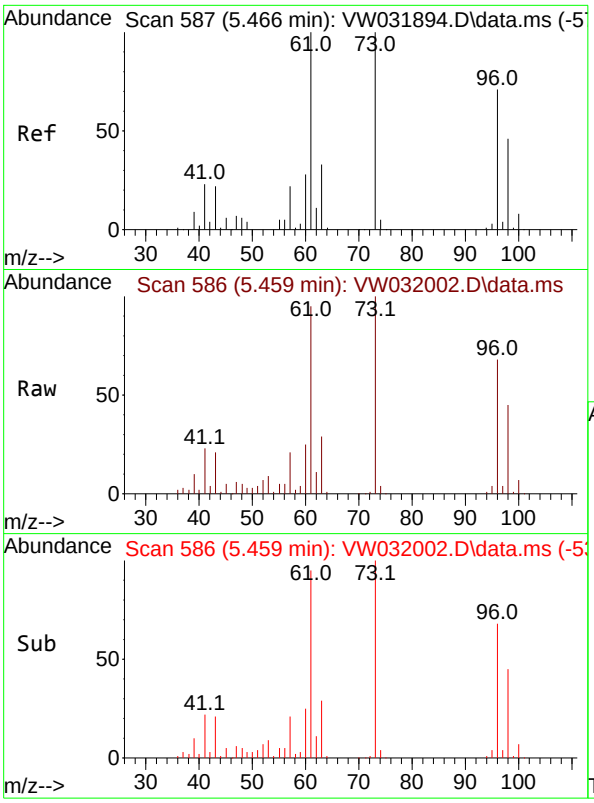


#20
Methylene Chloride
Concen: 51.974 ug/l
RT: 4.959 min Scan# 504
Delta R.T. 0.005 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 84 Resp: 167663

Ion	Ratio	Lower	Upper
84	100		
49	111.0	91.9	137.9
51	34.1	29.0	43.6
86	60.7	49.1	73.7



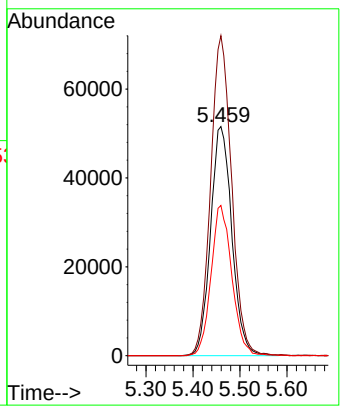


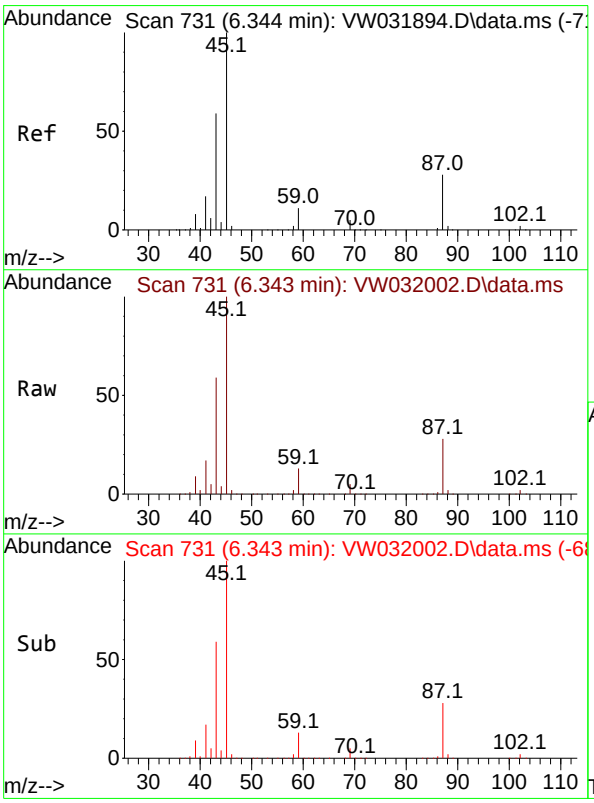
#21
trans-1,2-Dichloroethene
Concen: 54.508 ug/l
RT: 5.459 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 162609

Ion	Ratio	Lower	Upper
96	100		
61	139.6	112.8	169.2
98	65.6	51.9	77.9

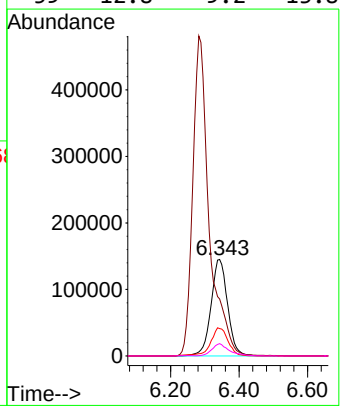


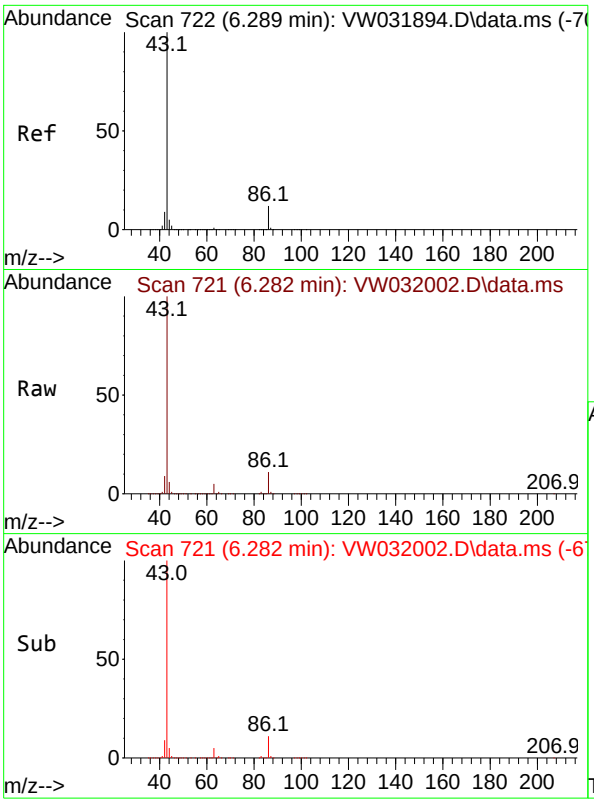


#22
Diisopropyl ether
Concen: 55.606 ug/l
RT: 6.343 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 45 Resp: 487017

Ion	Ratio	Lower	Upper
45	100		
43	58.6	47.0	70.6
87	28.3	22.8	34.2
59	12.8	9.2	13.8



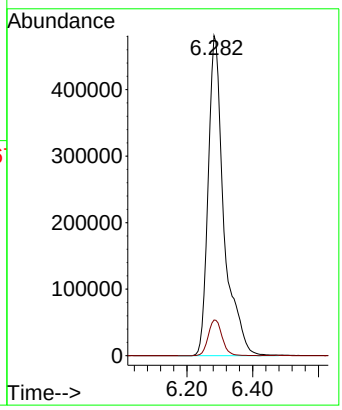


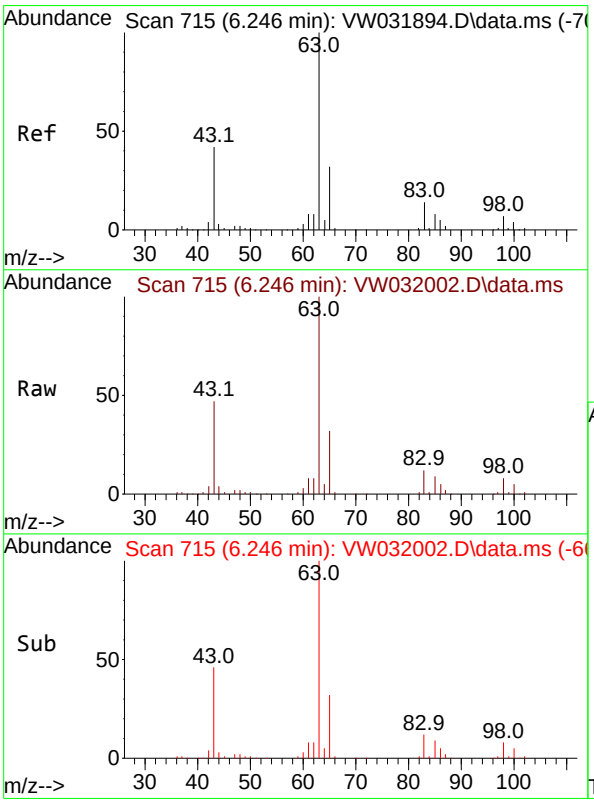
#23
Vinyl Acetate
Concen: 279.463 ug/l
RT: 6.282 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1599078

Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.4	14.2

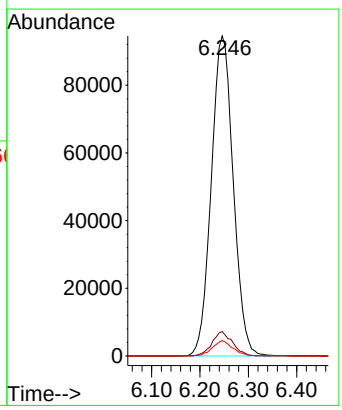


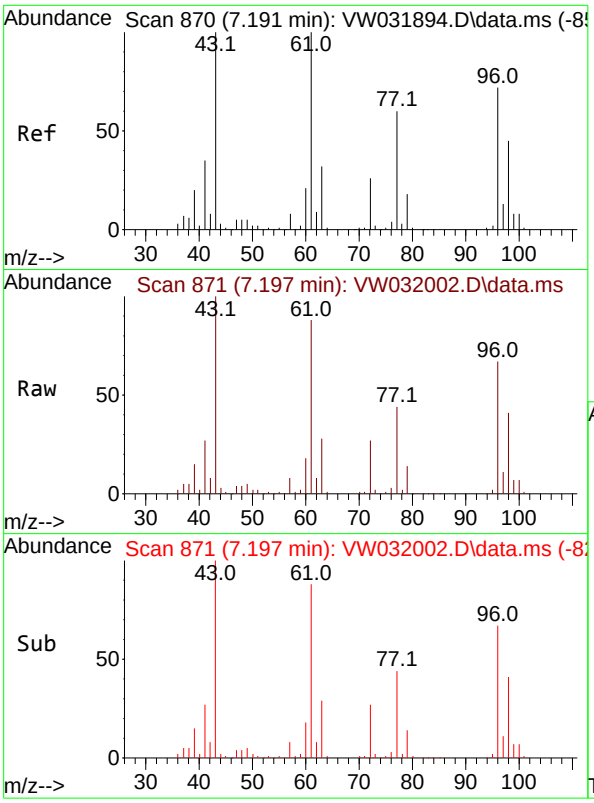


#24
1,1-Dichloroethane
Concen: 54.769 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 298659

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.9
100	4.8	2.2	6.6



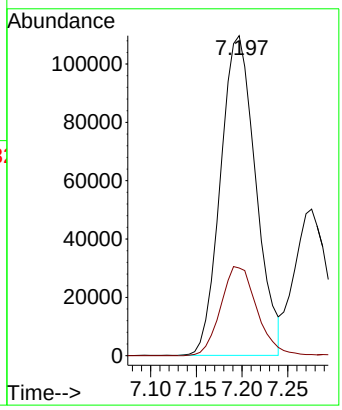


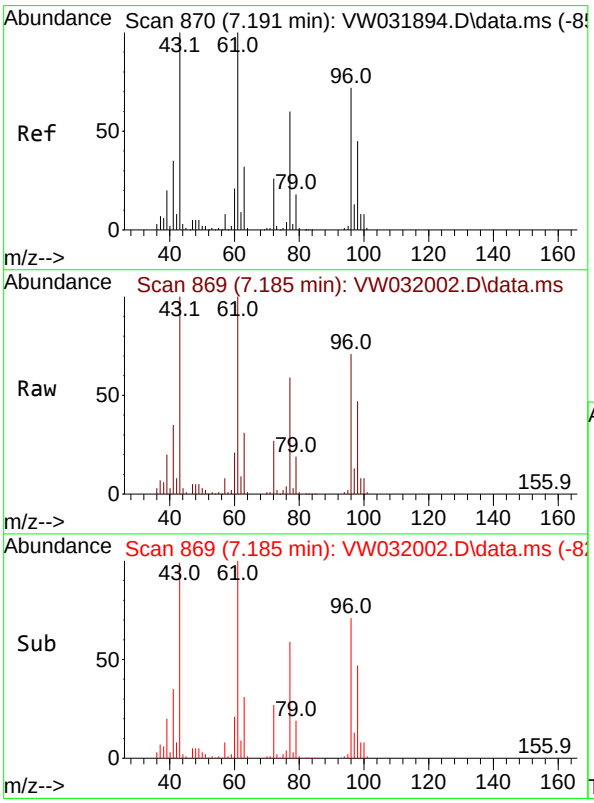
#25
2-Butanone
Concen: 284.058 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 294187

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.8	31.2

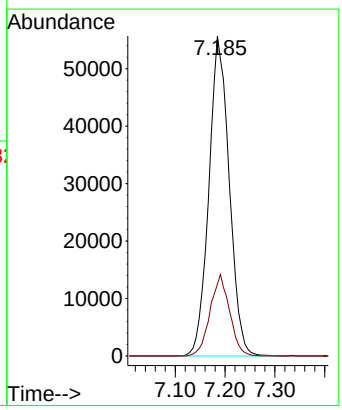


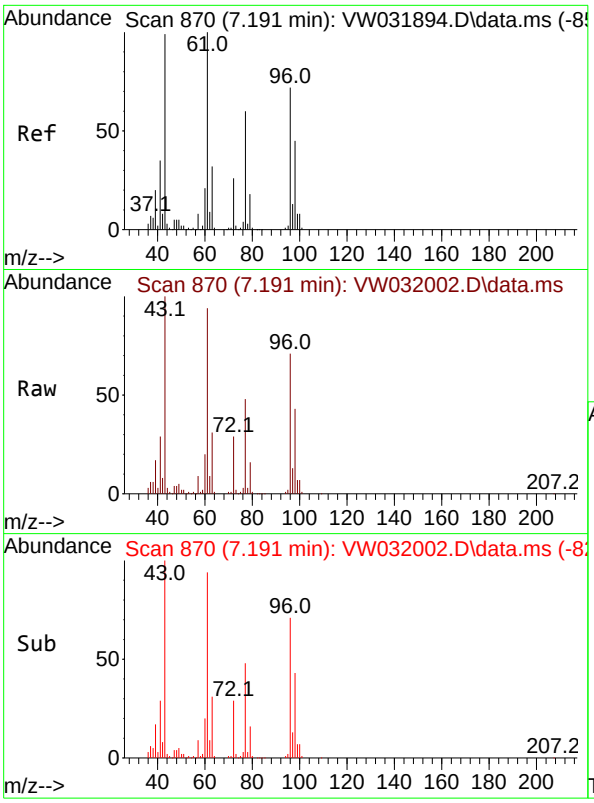


#26
2,2-Dichloropropane
Concen: 51.117 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 77 Resp: 157807

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1



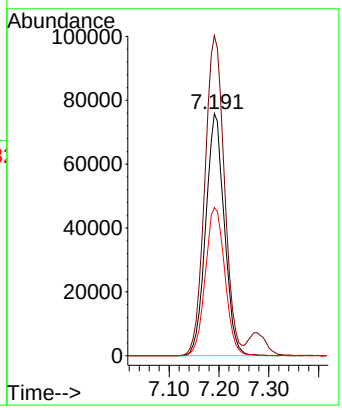


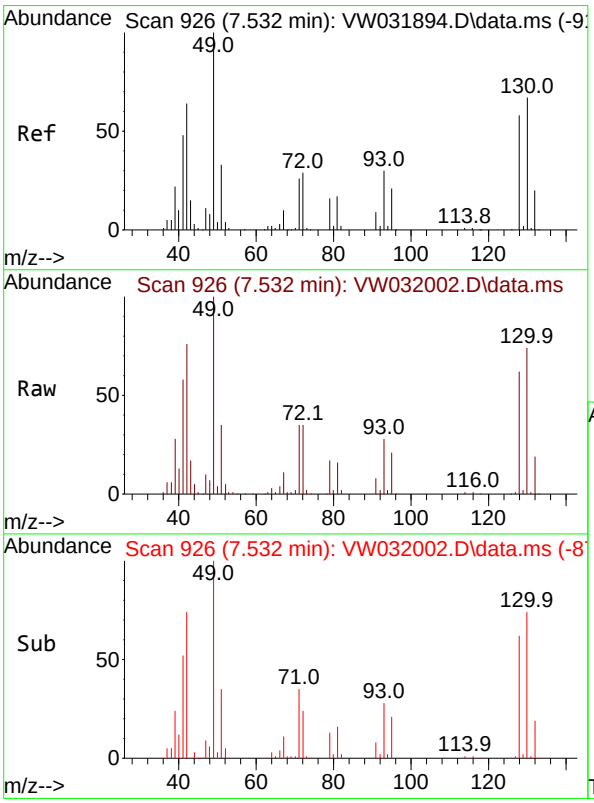
#27
cis-1,2-Dichloroethene
Concen: 56.086 ug/l
RT: 7.191 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 196701

Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	280.2
98	64.1	0.0	126.8

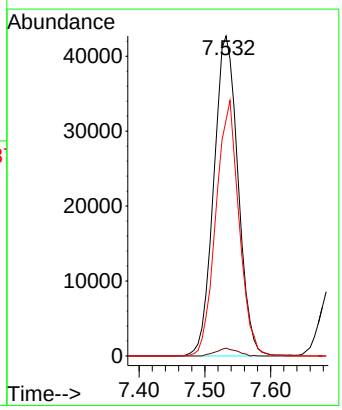


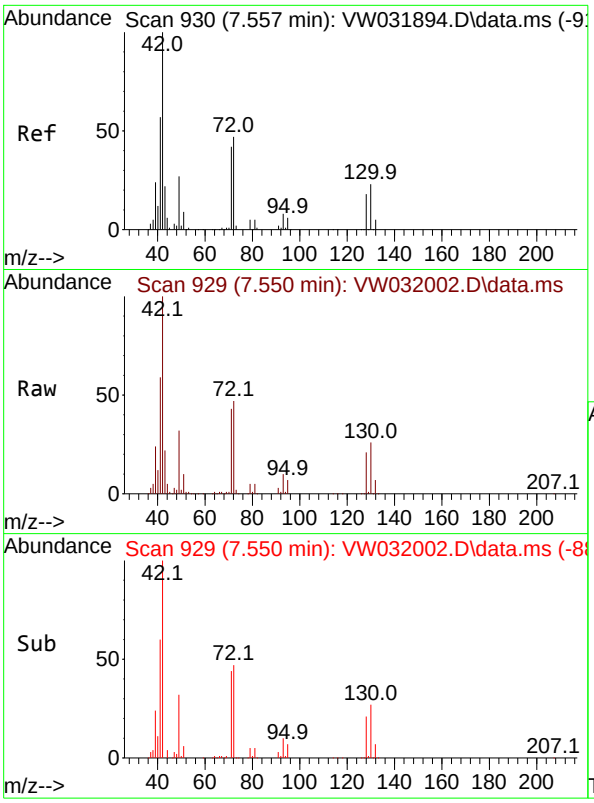


#28
Bromochloromethane
Concen: 48.028 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 49 Resp: 109656

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.0	59.0	88.4



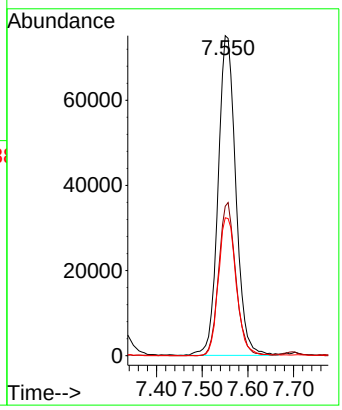


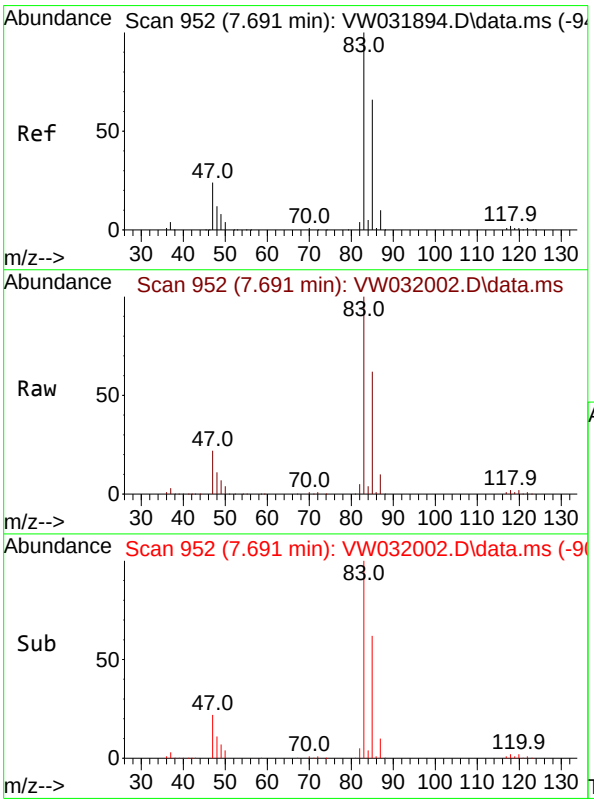
#29
Tetrahydrofuran
Concen: 298.524 ug/l
RT: 7.550 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 202700

Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.0	55.6
71	43.6	34.5	51.7

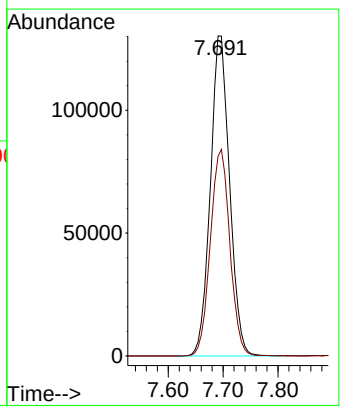


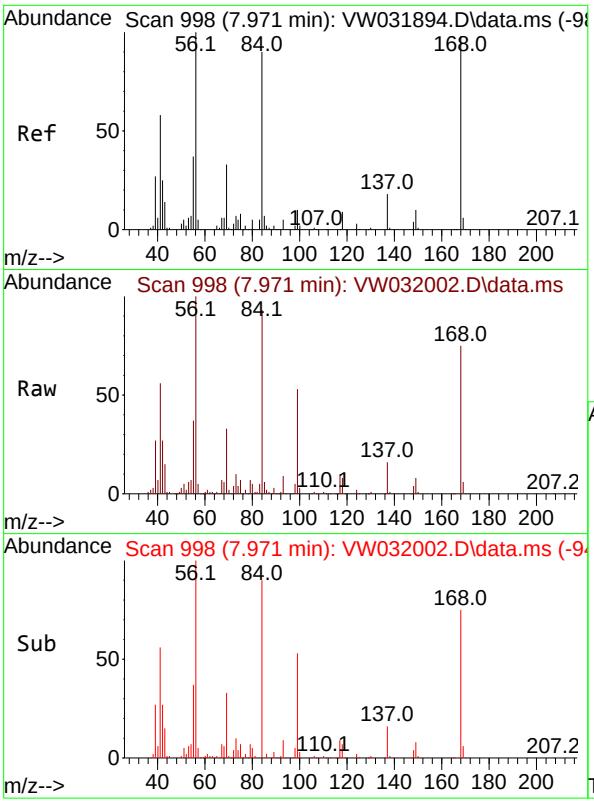


#30
Chloroform
Concen: 55.380 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 83 Resp: 316638

Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	78.8



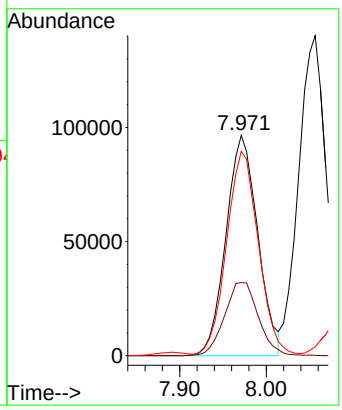


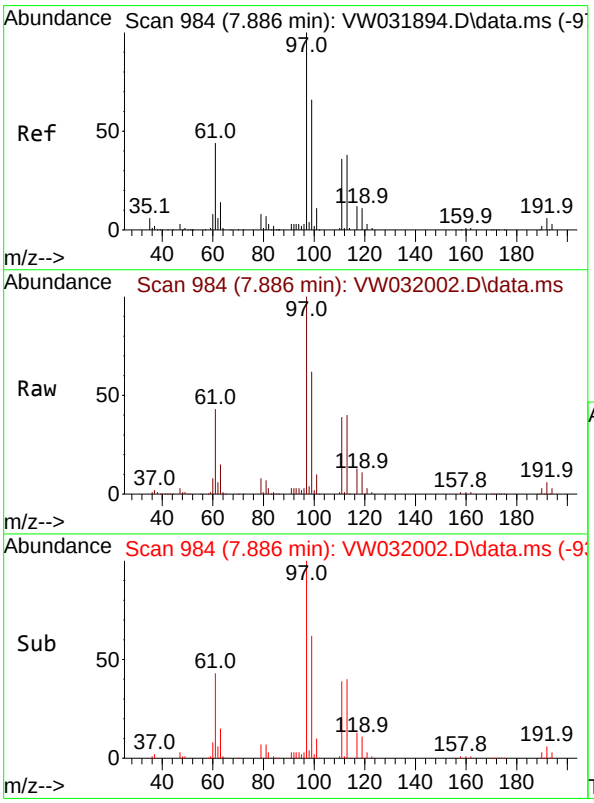
#31
Cyclohexane
Concen: 50.319 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 246168

Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.7	40.1
84	91.3	71.8	107.6

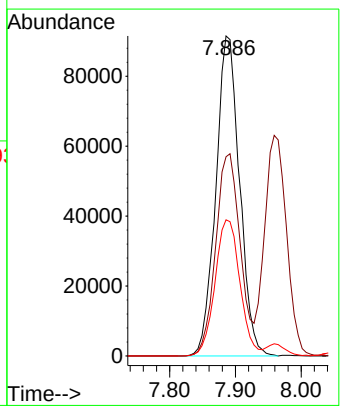


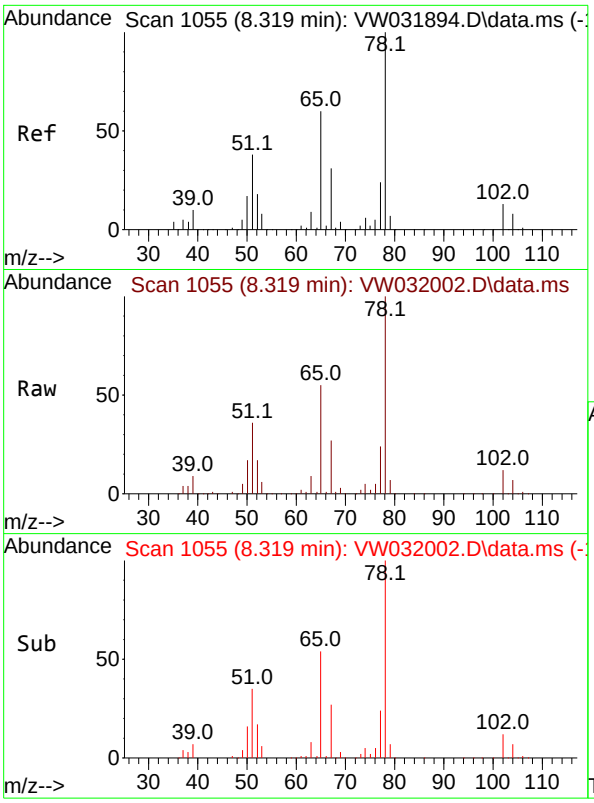


#32
1,1,1-Trichloroethane
Concen: 52.886 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 97 Resp: 230094

Ion	Ratio	Lower	Upper
97	100		
99	65.6	53.0	79.4
61	44.7	35.4	53.0



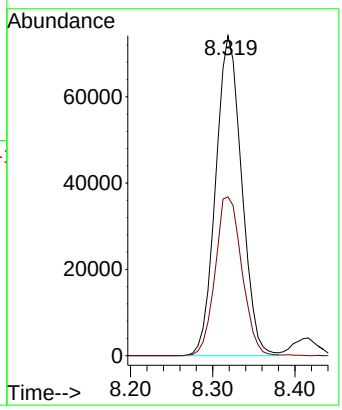


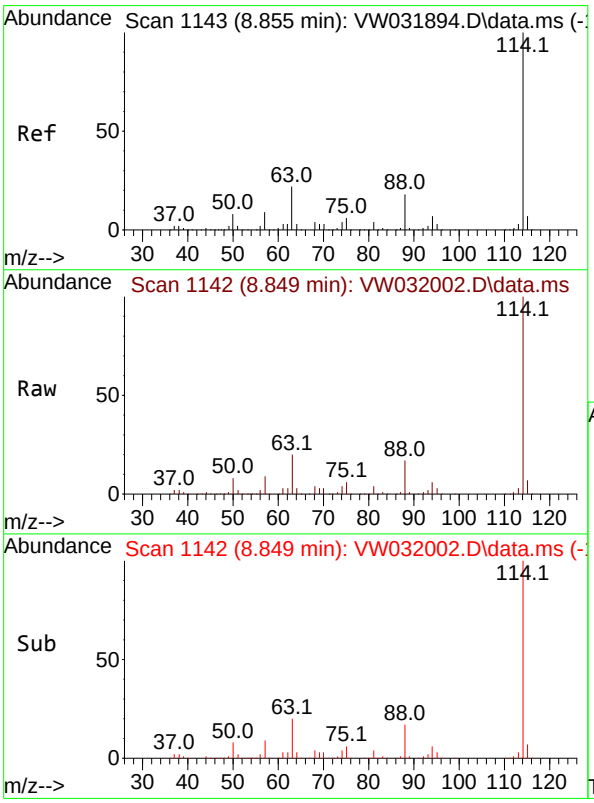
#33
1,2-Dichloroethane-d4
Concen: 50.966 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 162574

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.4

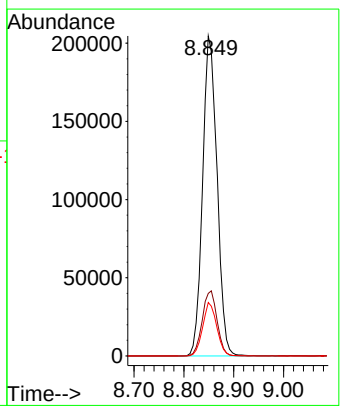


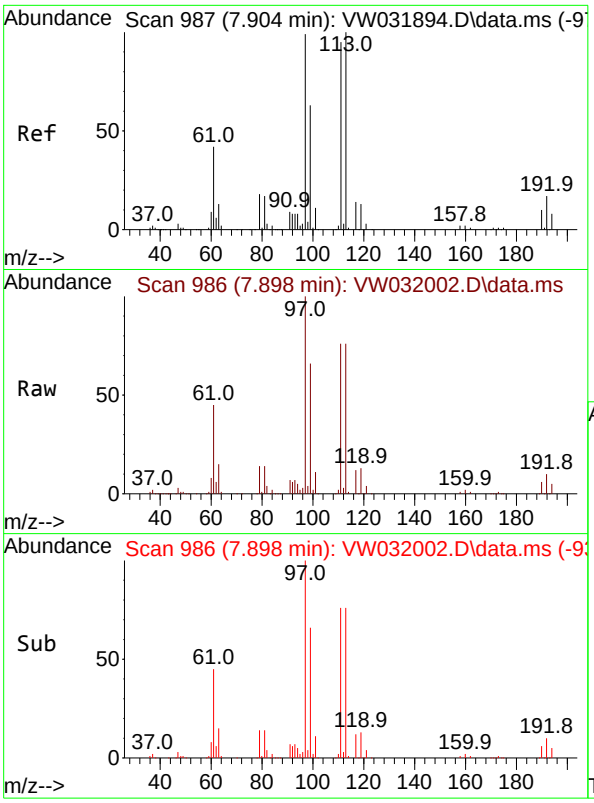


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:114 Resp: 411619

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.2
88	16.7	0.0	35.6



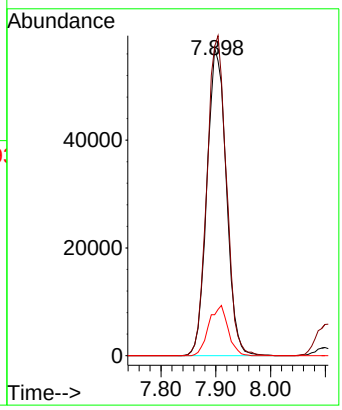


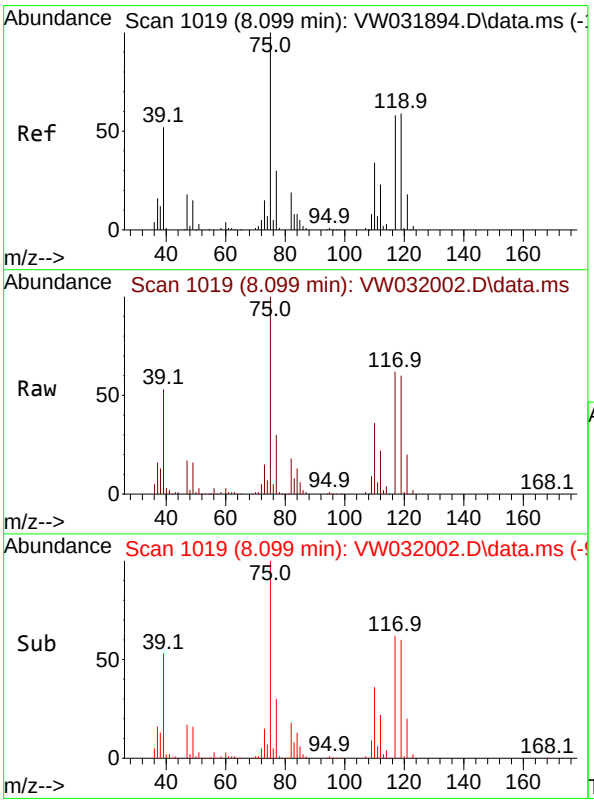
#35
Dibromofluoromethane
Concen: 49.929 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 139653

Ion	Ratio	Lower	Upper
113	100		
111	104.1	79.9	119.9
192	16.2	12.6	19.0

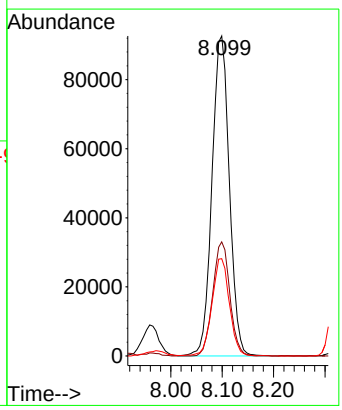


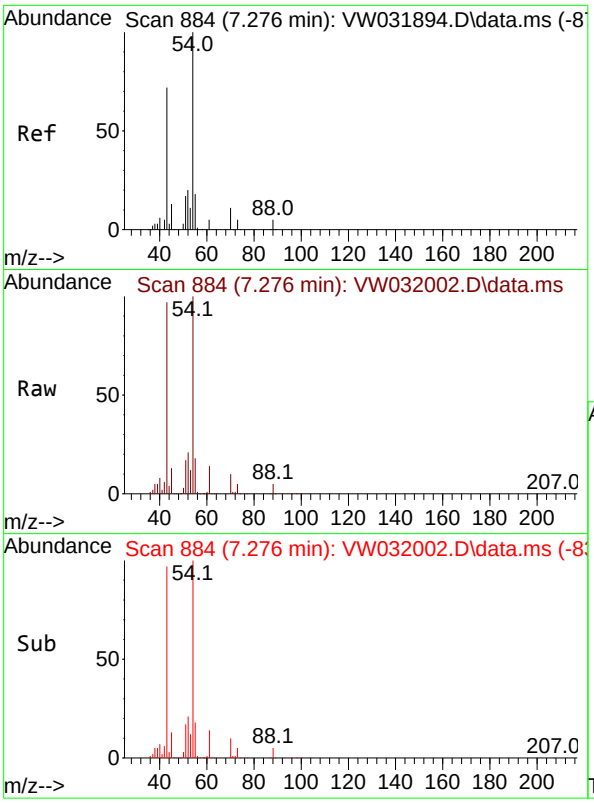


#36
1,1-Dichloropropene
Concen: 50.630 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 217478

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.0	50.9
77	30.5	25.1	37.7



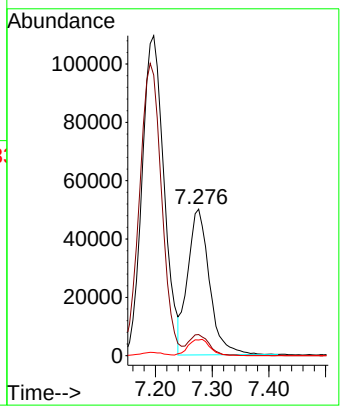


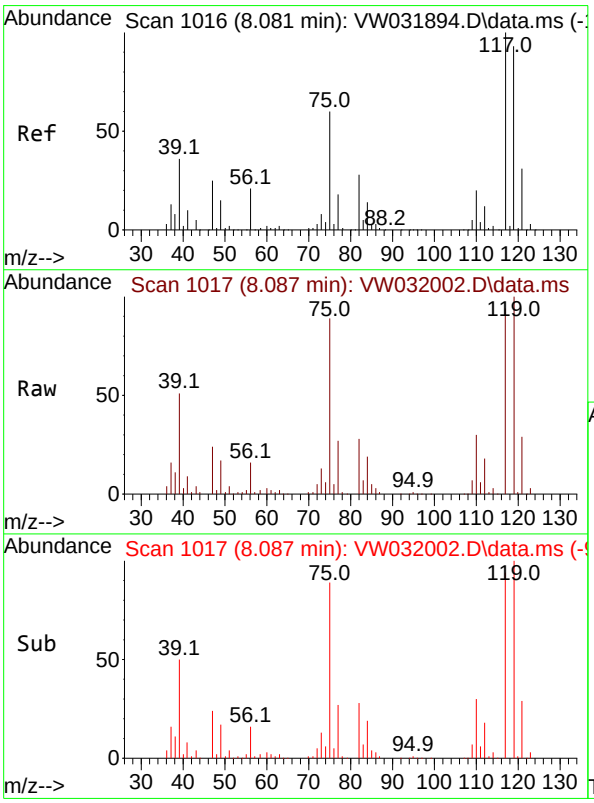
#37
Ethyl Acetate
Concen: 54.174 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 132746

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	11.4	9.0	13.4

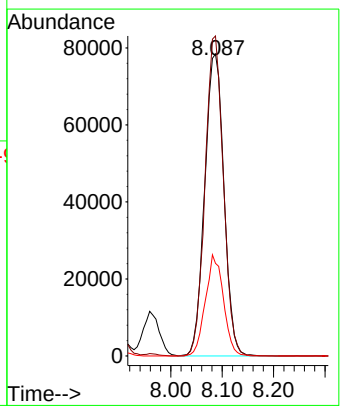


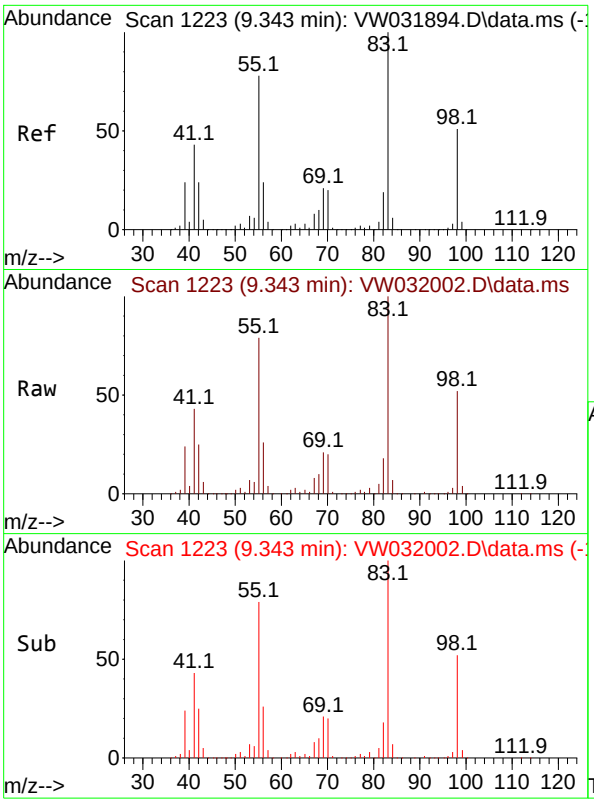


#38
Carbon Tetrachloride
Concen: 49.444 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:117 Resp: 203826

Ion	Ratio	Lower	Upper
117	100		
119	106.0	74.3	111.5
121	30.7	24.6	37.0



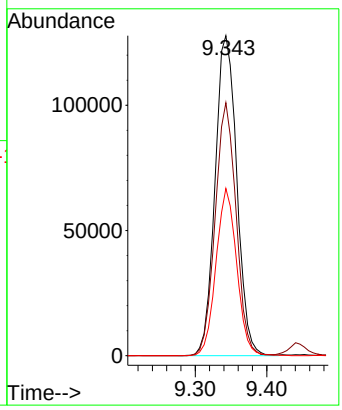


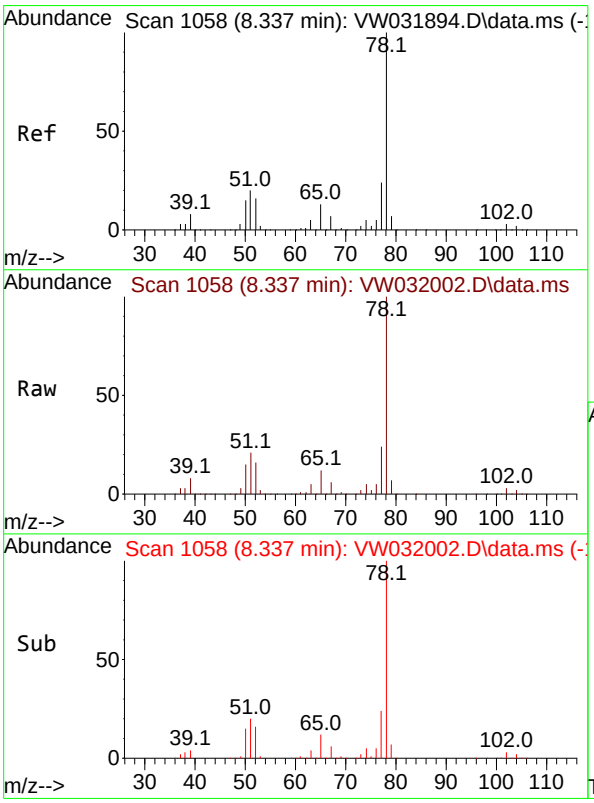
#39
Methylcyclohexane
Concen: 49.854 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 269494

Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.5	93.7
98	52.2	40.6	61.0

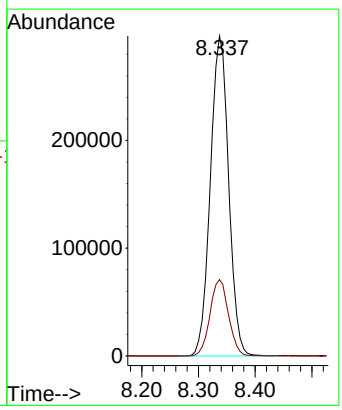


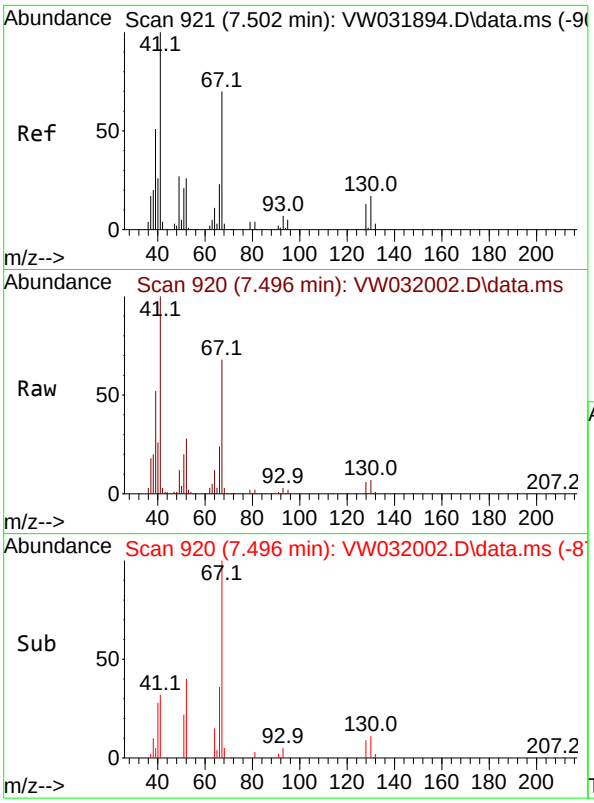


#40
Benzene
Concen: 52.355 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 78 Resp: 665711

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



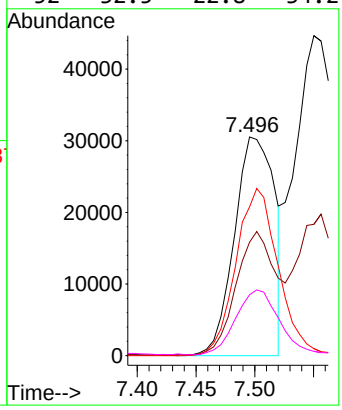


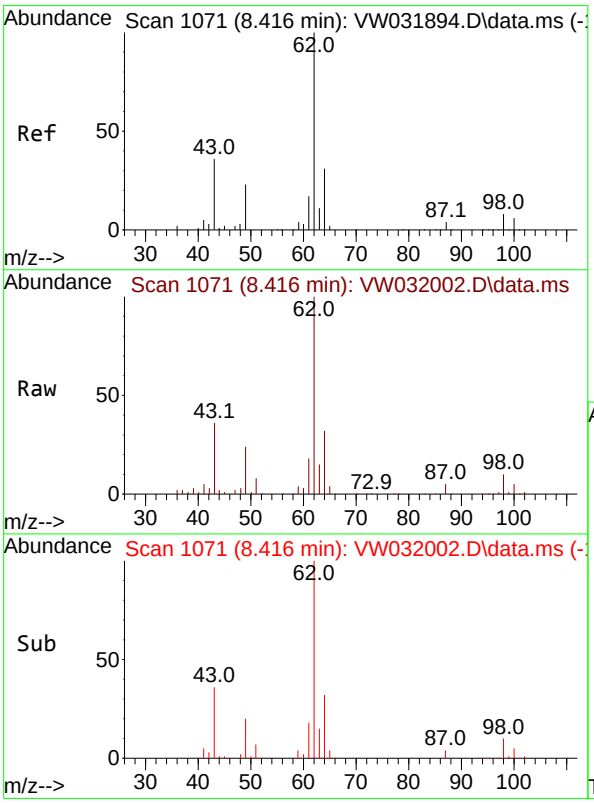
#41
Methacrylonitrile
Concen: 49.564 ug/l
RT: 7.496 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 72701

Ion	Ratio	Lower	Upper
41	100		
39	57.7	41.1	61.7
67	81.2	56.2	84.4
52	32.5	22.8	34.2

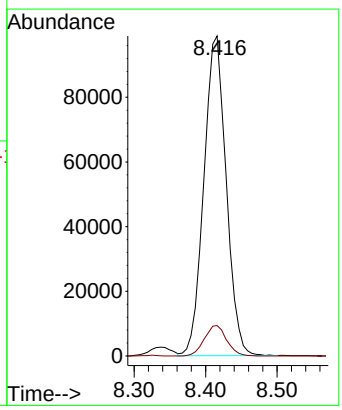


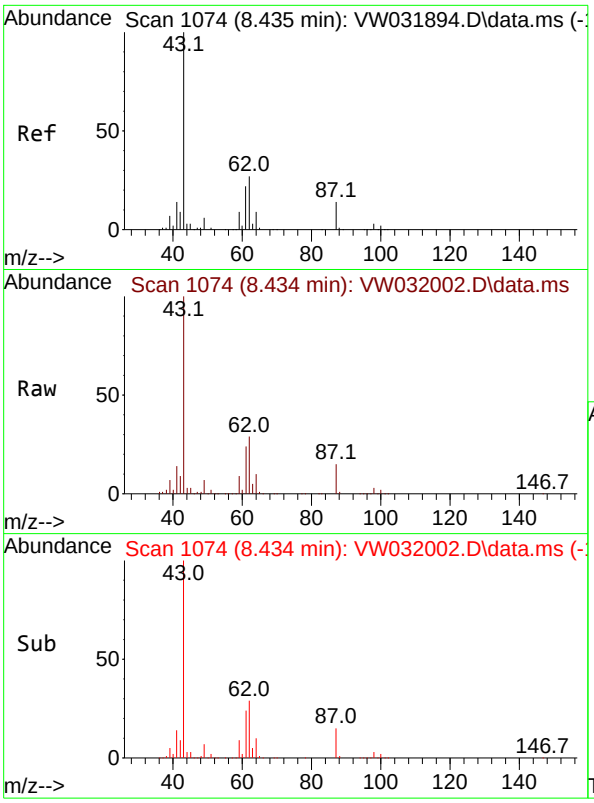


#42
1,2-Dichloroethane
Concen: 52.764 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 62 Resp: 214722

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



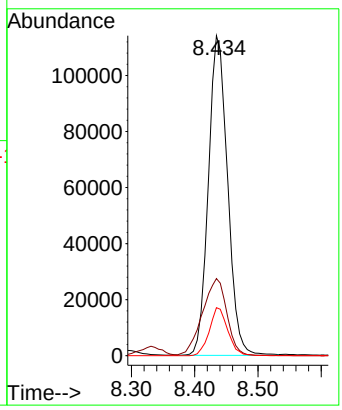


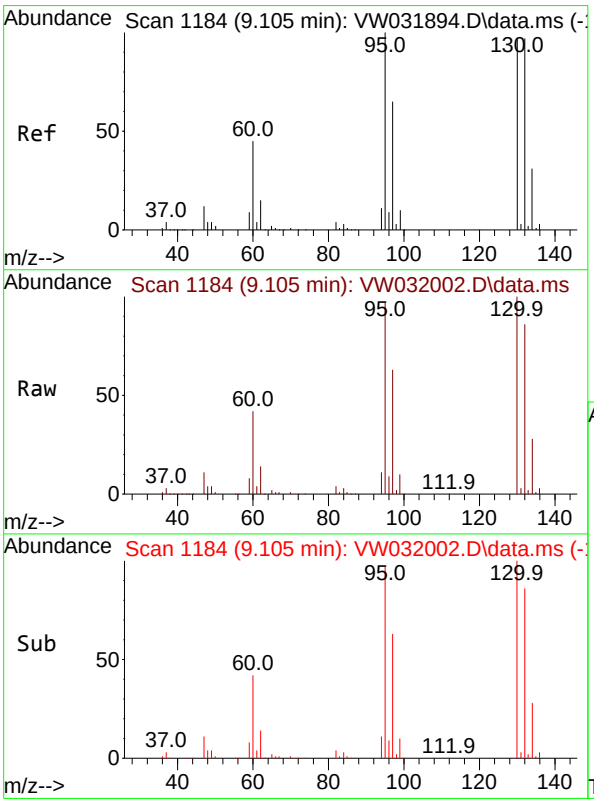
#43
Isopropyl Acetate
Concen: 54.209 ug/l
RT: 8.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 240471

Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.0	36.0
87	14.5	11.1	16.7

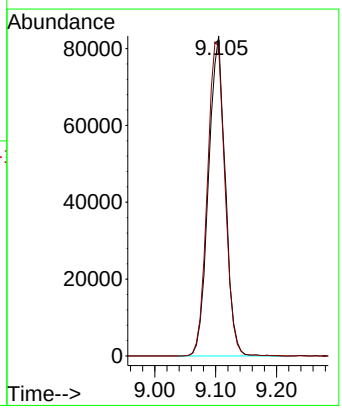


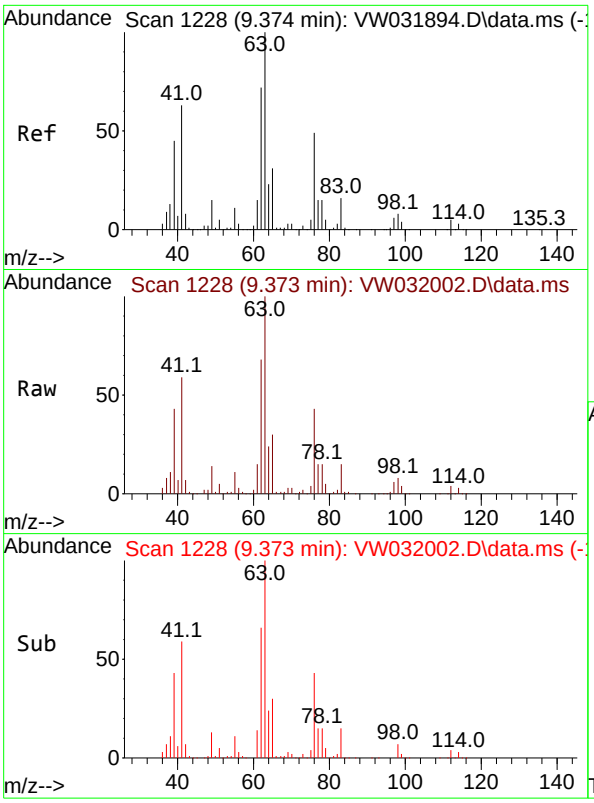


#44
Trichloroethene
Concen: 52.612 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:130 Resp: 159011

Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	206.4



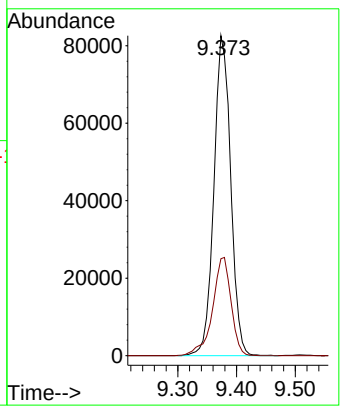


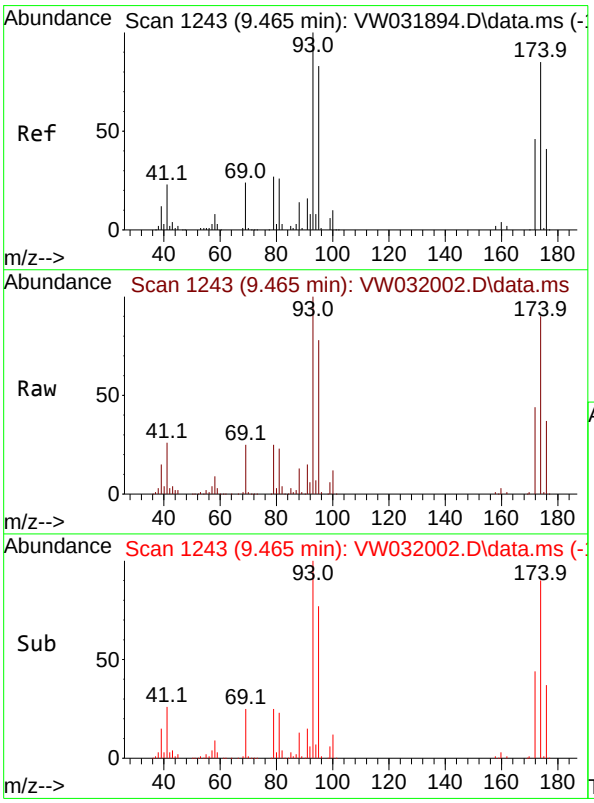
#45
1,2-Dichloropropane
Concen: 53.525 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 163908

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

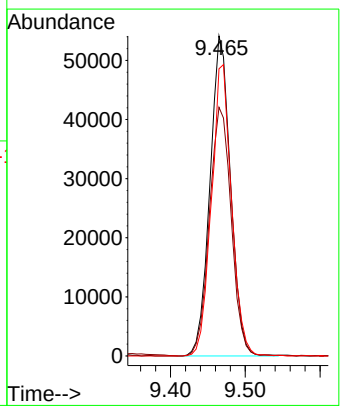


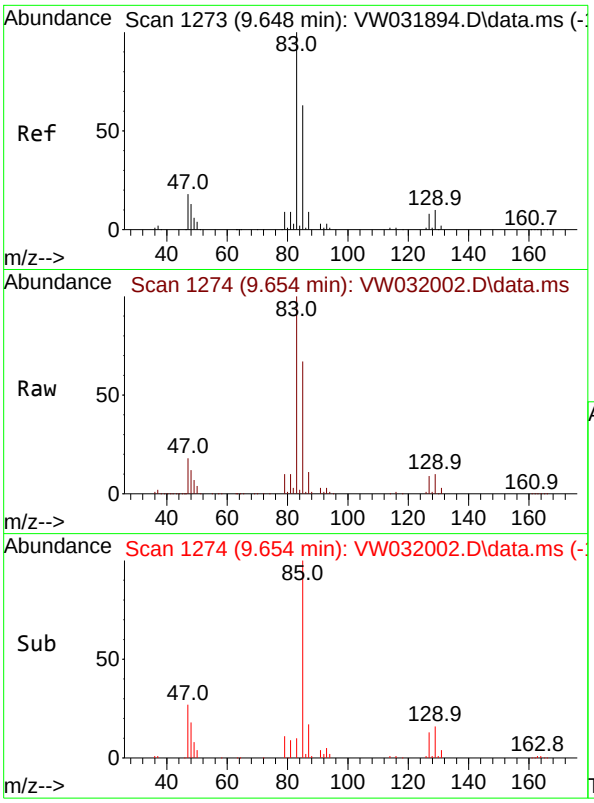


#46
Dibromomethane
Concen: 54.757 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 93 Resp: 103944

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.8	98.6
174	89.0	70.2	105.2



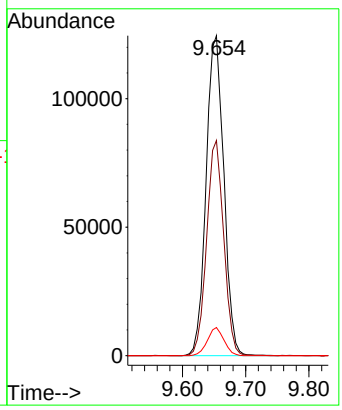


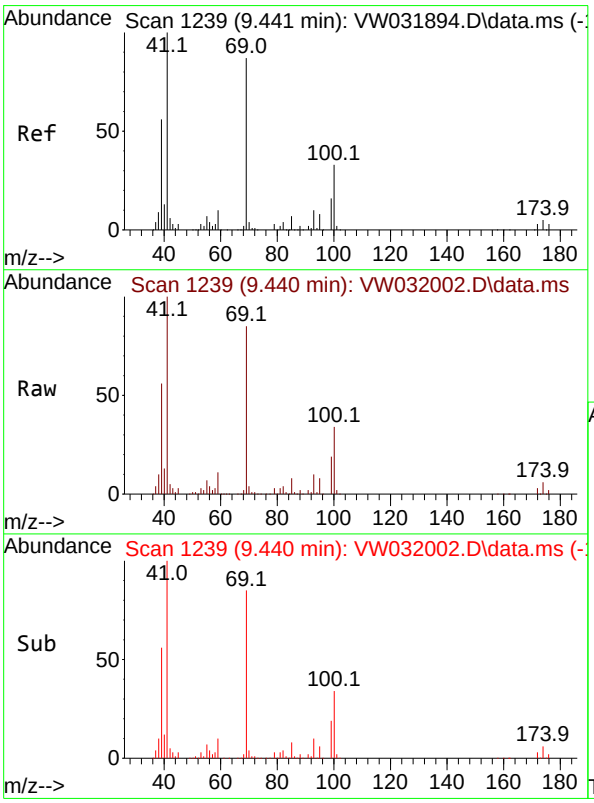
#47
Bromodichloromethane
Concen: 53.178 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 242060

Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	76.0
127	8.8	6.5	9.7

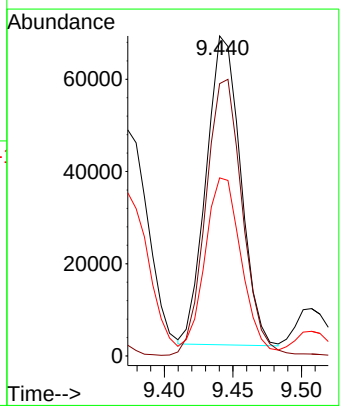


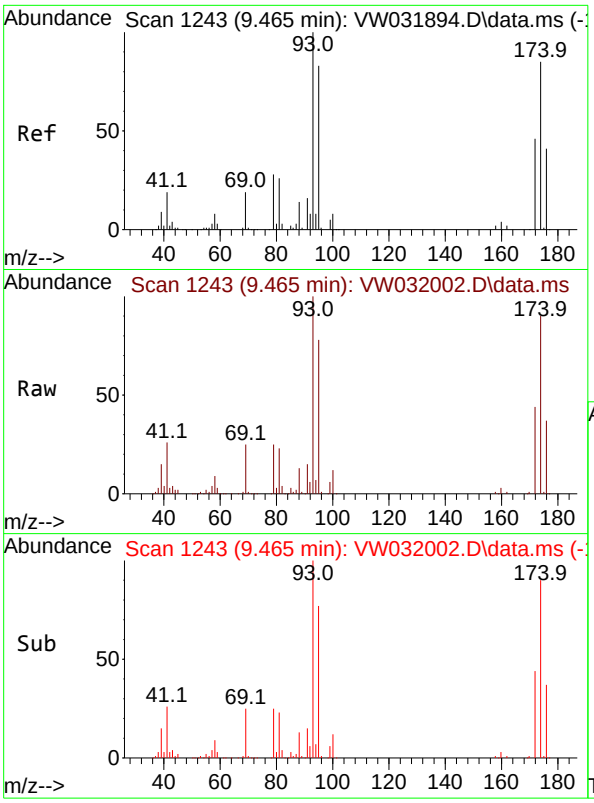


#48
Methyl methacrylate
Concen: 55.382 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 41 Resp: 116879

Ion	Ratio	Lower	Upper
41	100		
69	95.5	73.6	110.4
39	57.3	45.5	68.3



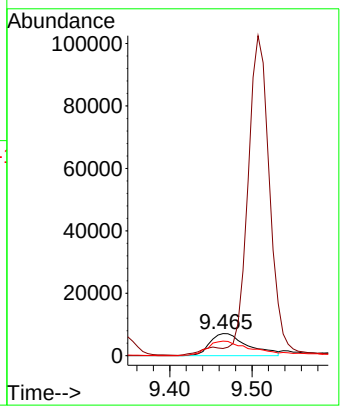


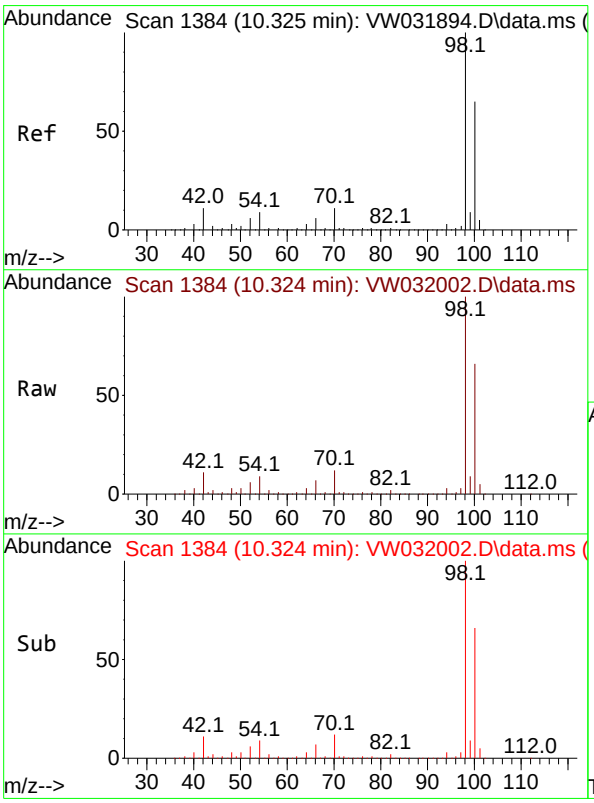
#49
1,4-Dioxane
Concen: 1192.087 ug/l
RT: 9.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 22580

Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.4#
58	84.7	58.2	87.2

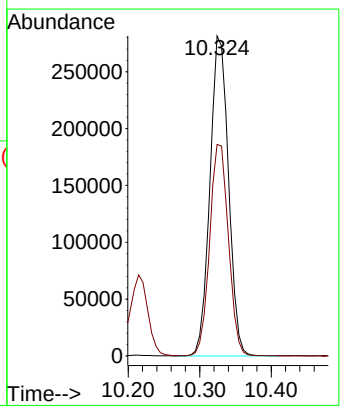


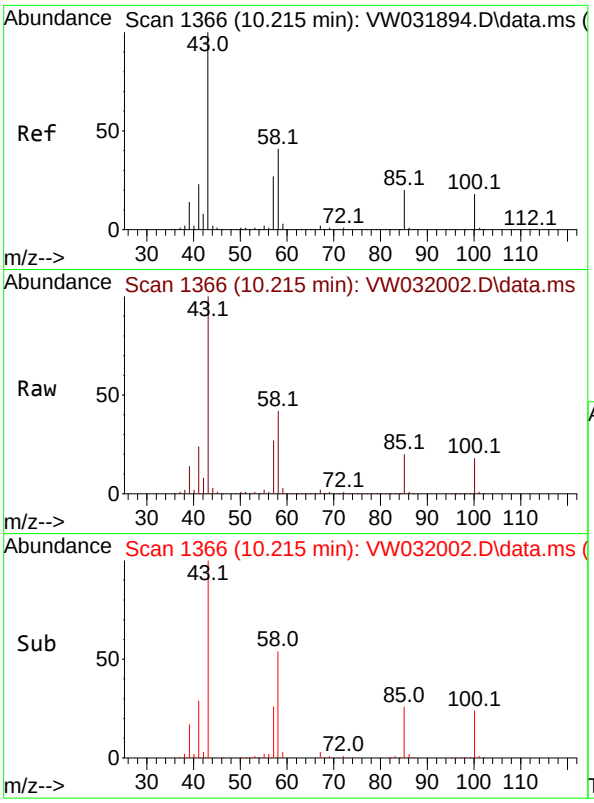


#50
Toluene-d8
Concen: 47.833 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 98 Resp: 506349

Ion	Ratio	Lower	Upper
98	100		
100	66.8	51.7	77.5



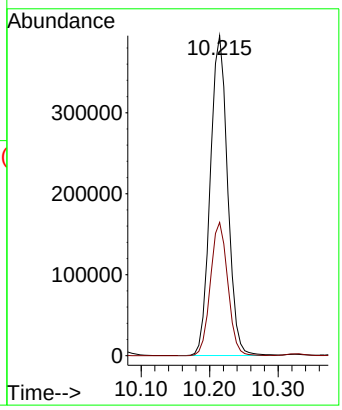


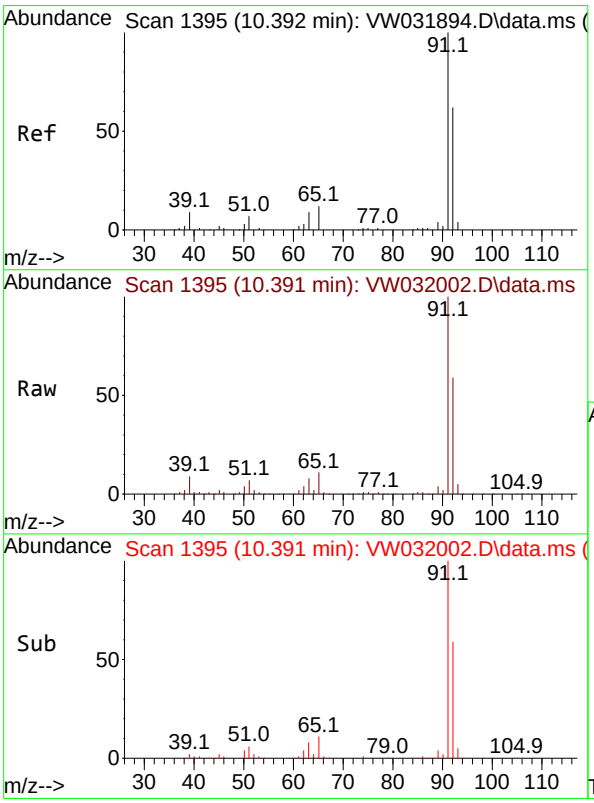
#51
4-Methyl-2-Pentanone
Concen: 286.490 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 695504

Ion	Ratio	Lower	Upper
43	100		
58	41.7	32.8	49.2

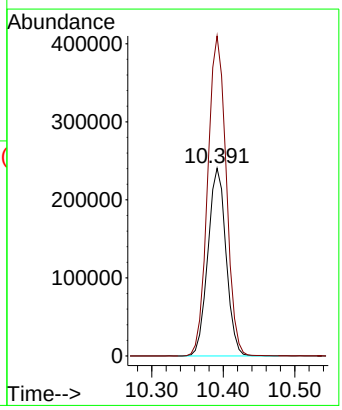


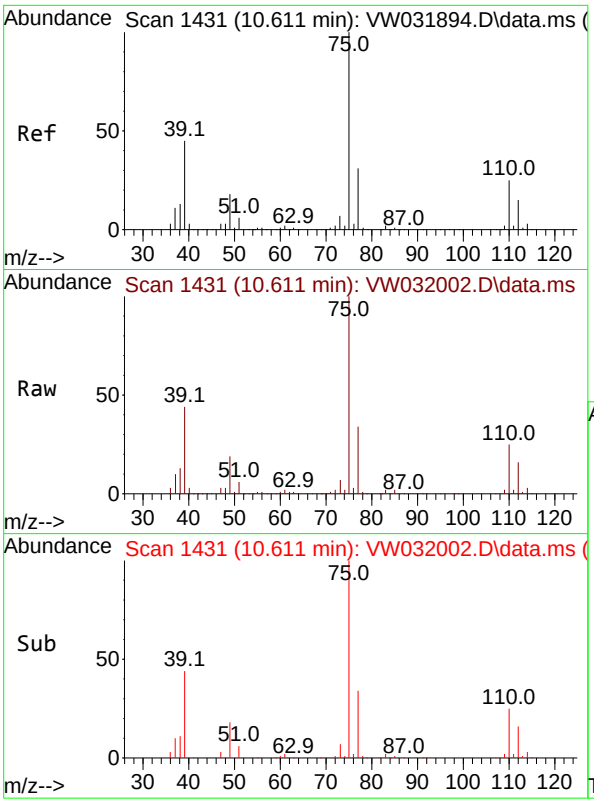


#52
Toluene
Concen: 51.787 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 92 Resp: 423299

Ion	Ratio	Lower	Upper
92	100		
91	173.8	133.7	200.5



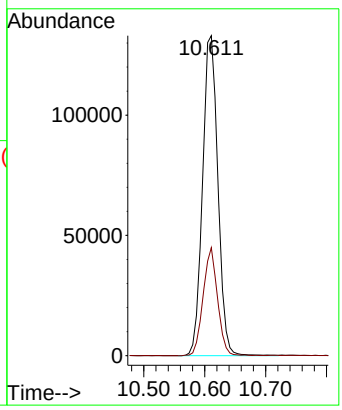


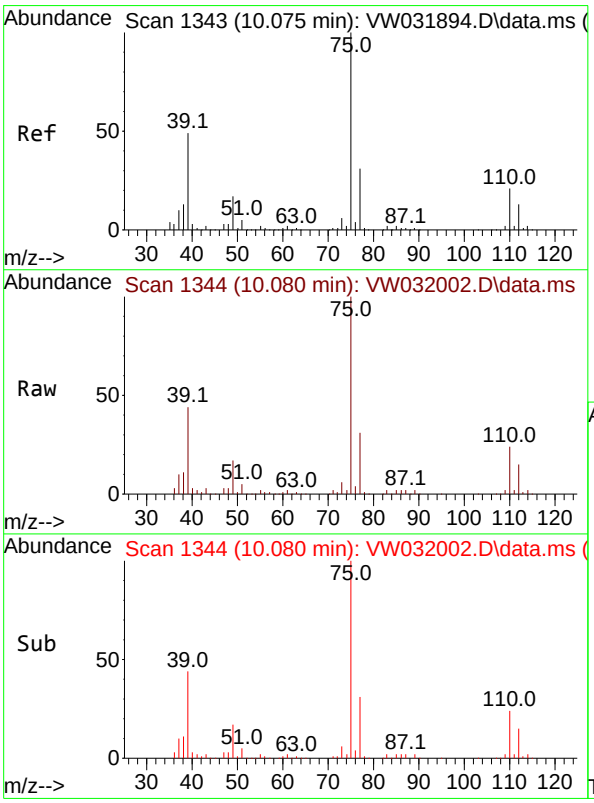
#53
t-1,3-Dichloropropene
Concen: 53.347 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 232934

Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.2	37.8

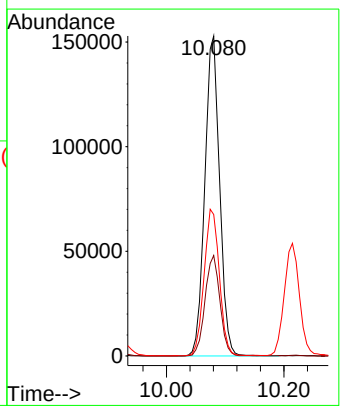


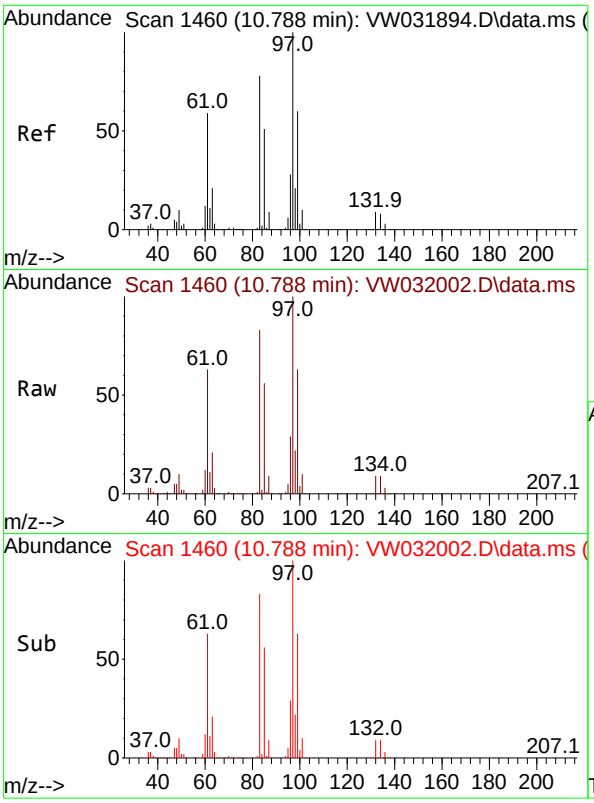


#54
cis-1,3-Dichloropropene
Concen: 53.683 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 267688

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7
39	44.1	39.3	58.9



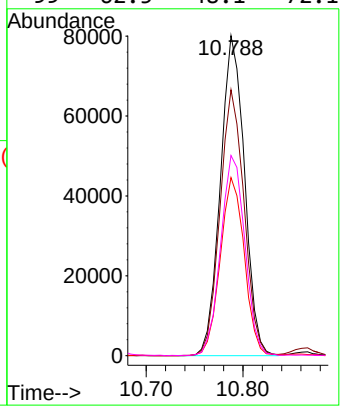


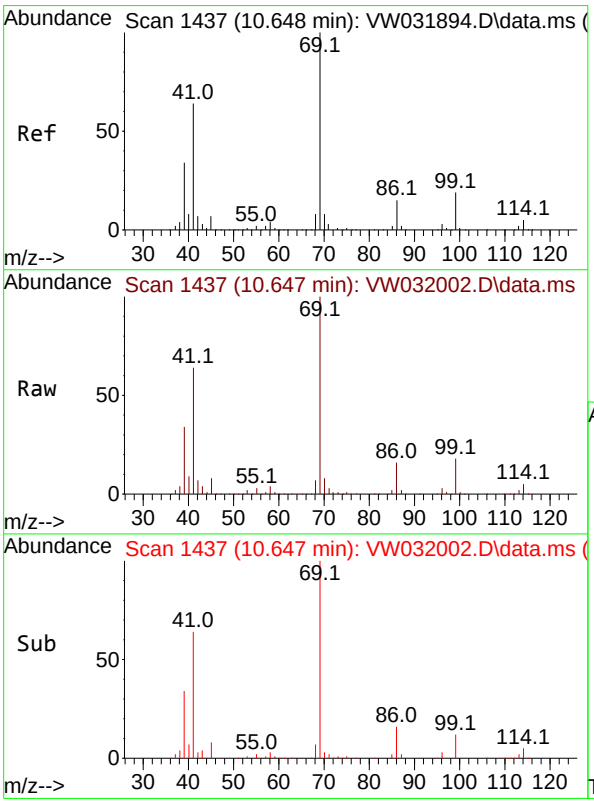
#55
1,1,2-Trichloroethane
Concen: 55.004 ug/l
RT: 10.788 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 138694

Ion	Ratio	Lower	Upper
97	100		
83	83.1	62.4	93.6
85	55.7	41.0	61.6
99	62.5	48.1	72.1

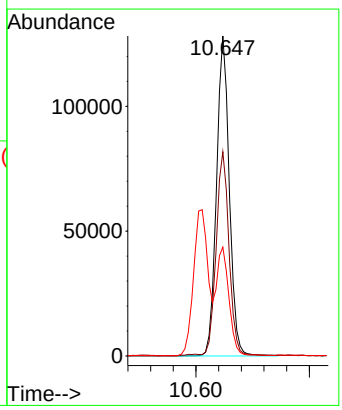


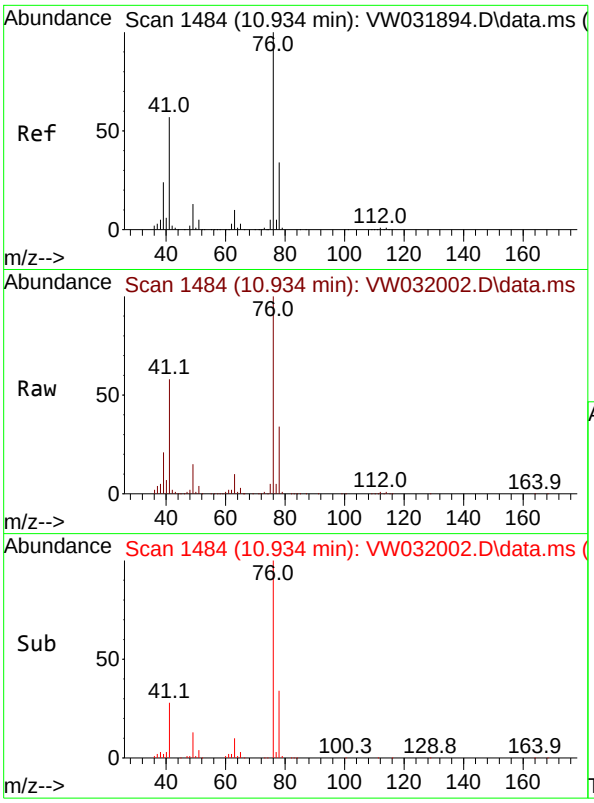


#56
Ethyl methacrylate
Concen: 56.390 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 69 Resp: 200814

Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	32.7	26.6	40.0



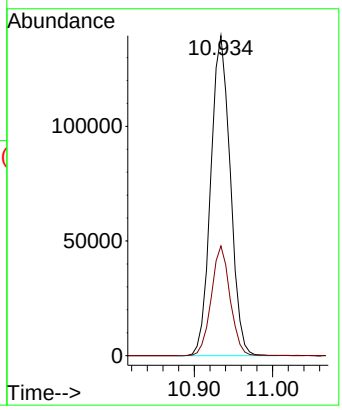


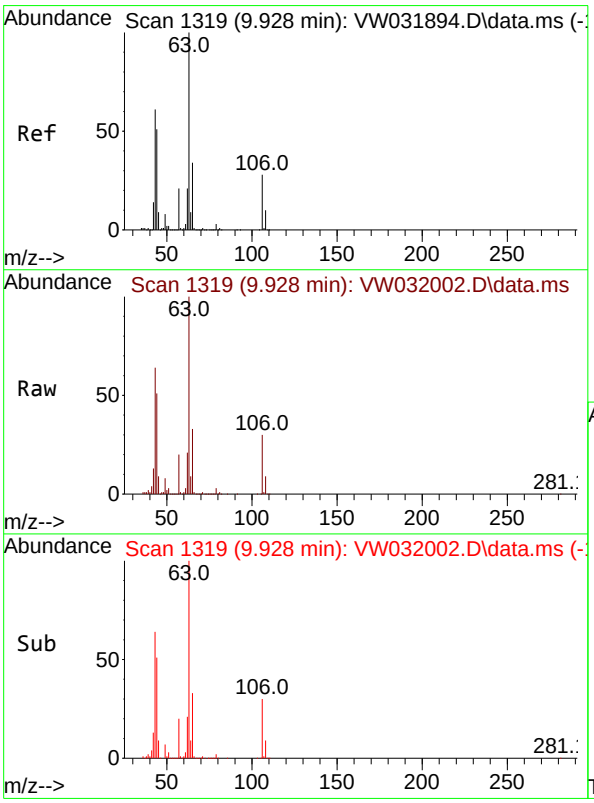
#57
1,3-Dichloropropane
Concen: 54.354 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 241452

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9

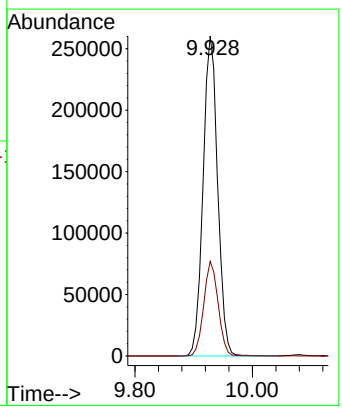


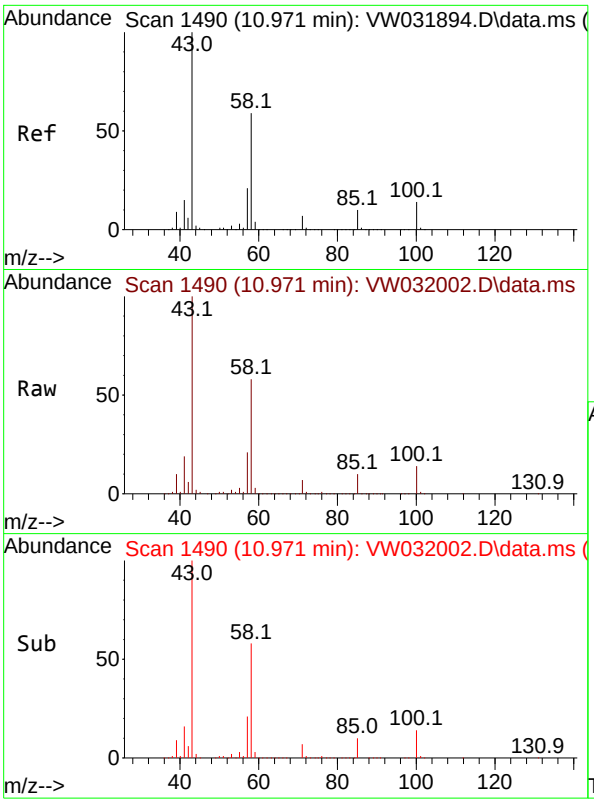


#58
2-Chloroethyl Vinyl ether
Concen: 245.376 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 63 Resp: 448842

Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1



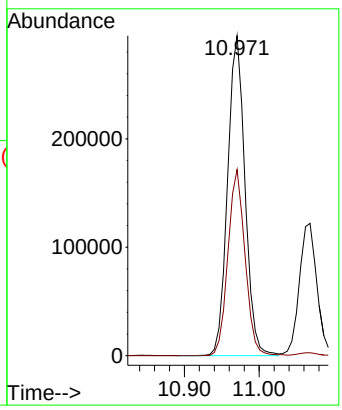


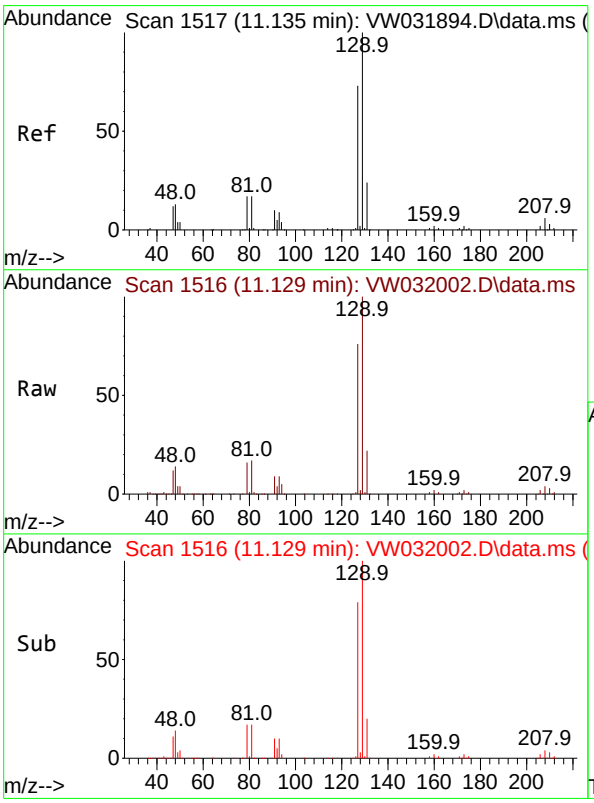
#59
2-Hexanone
Concen: 283.159 ug/l
RT: 10.971 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 477821

Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.5	85.6

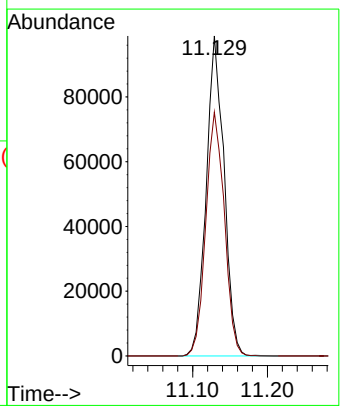


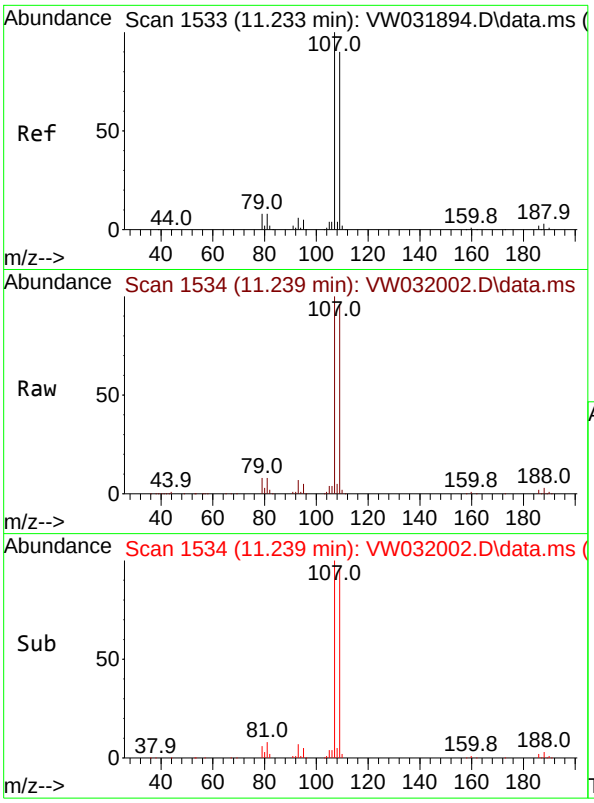


#60
Dibromochloromethane
Concen: 55.682 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:129 Resp: 163699

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8



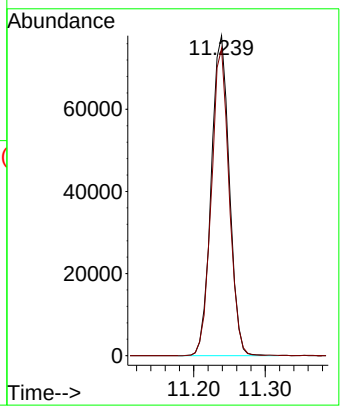


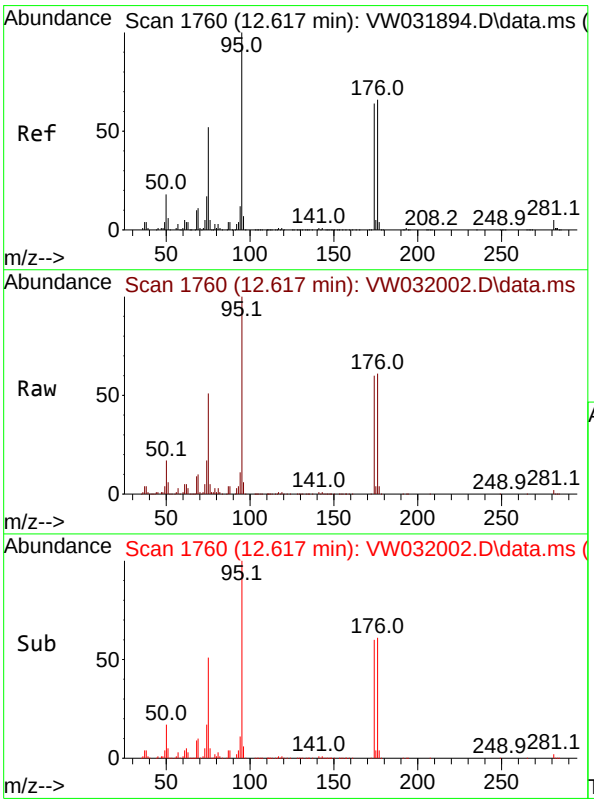
#61
1,2-Dibromoethane
Concen: 54.843 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 136645

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.4

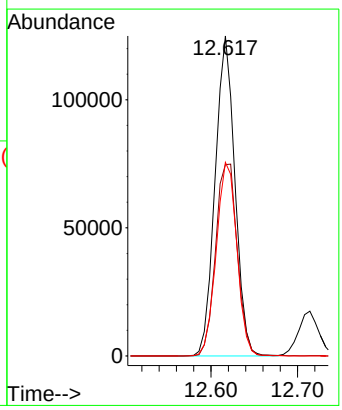


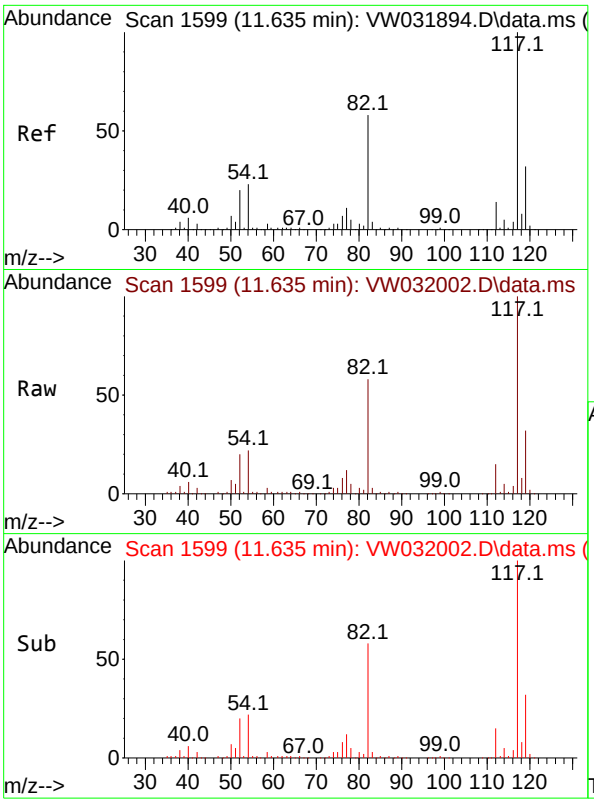


#62
4-Bromofluorobenzene
Concen: 48.771 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 95 Resp: 198243

Ion	Ratio	Lower	Upper
95	100		
174	66.1	0.0	129.8
176	63.0	0.0	130.4



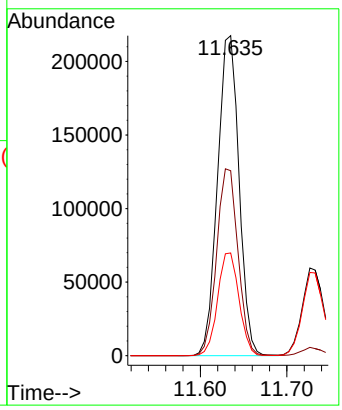


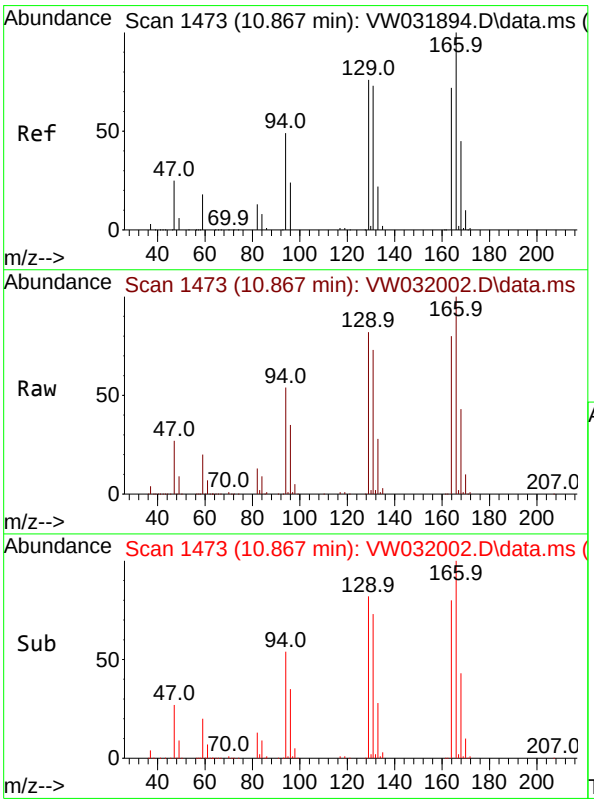
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 375477

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.5	69.7
119	32.1	25.8	38.6

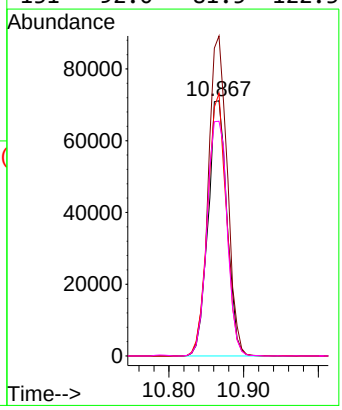


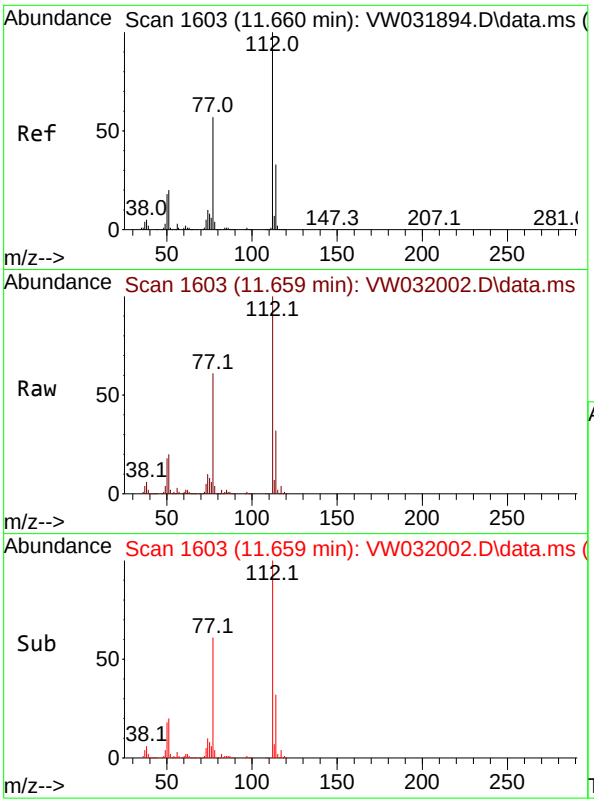


#64
Tetrachloroethene
Concen: 50.824 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:164 Resp: 125818

Ion	Ratio	Lower	Upper
164	100		
166	125.4	111.5	167.3
129	102.9	85.1	127.7
131	92.0	81.5	122.3



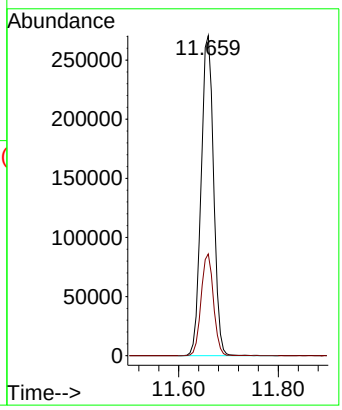


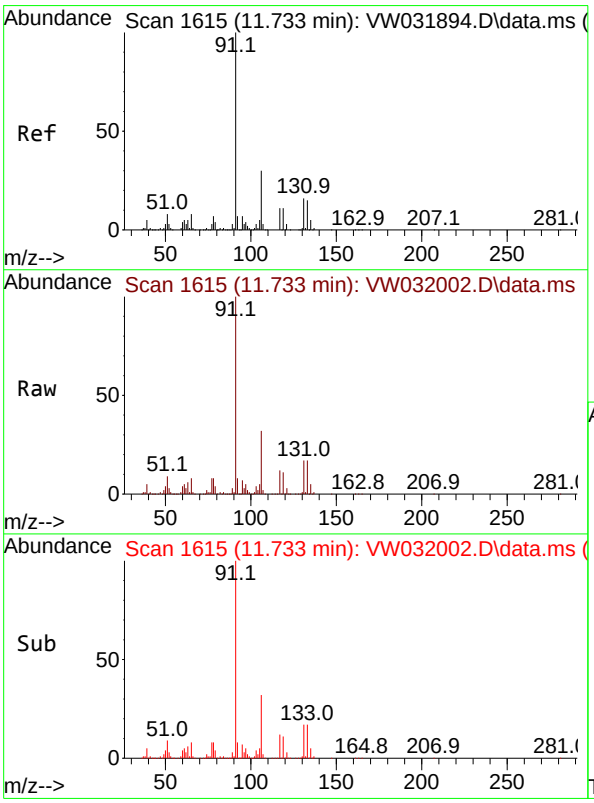
#65
Chlorobenzene
Concen: 51.049 ug/l
RT: 11.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 469117

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.2

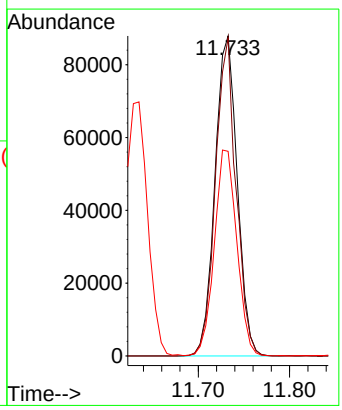


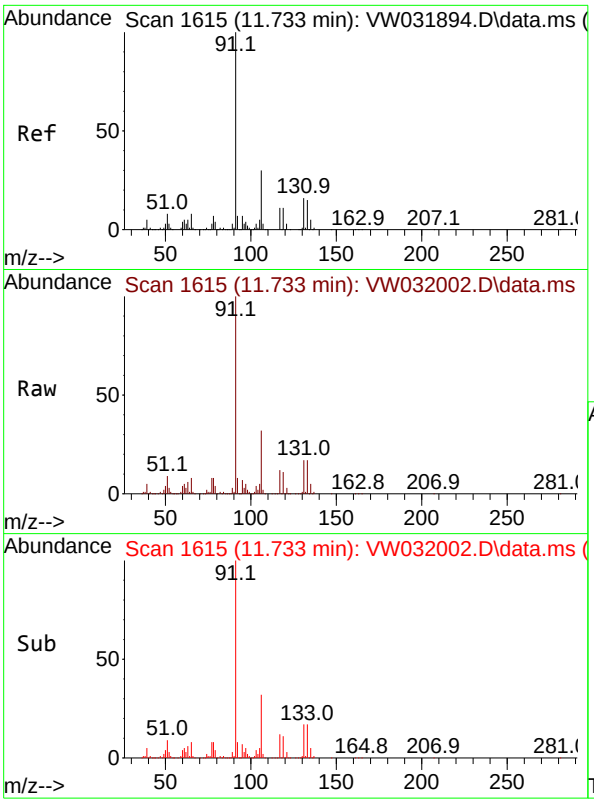


#66
1,1,1,2-Tetrachloroethane
Concen: 52.138 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:131 Resp: 148536

Ion	Ratio	Lower	Upper
131	100		
133	92.5	48.1	144.4
119	65.3	33.7	101.1



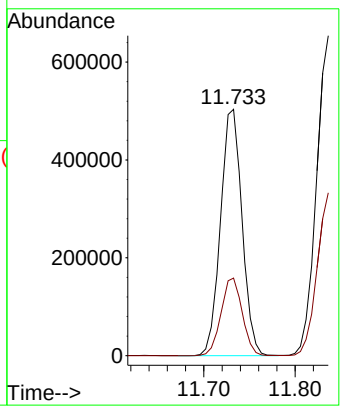


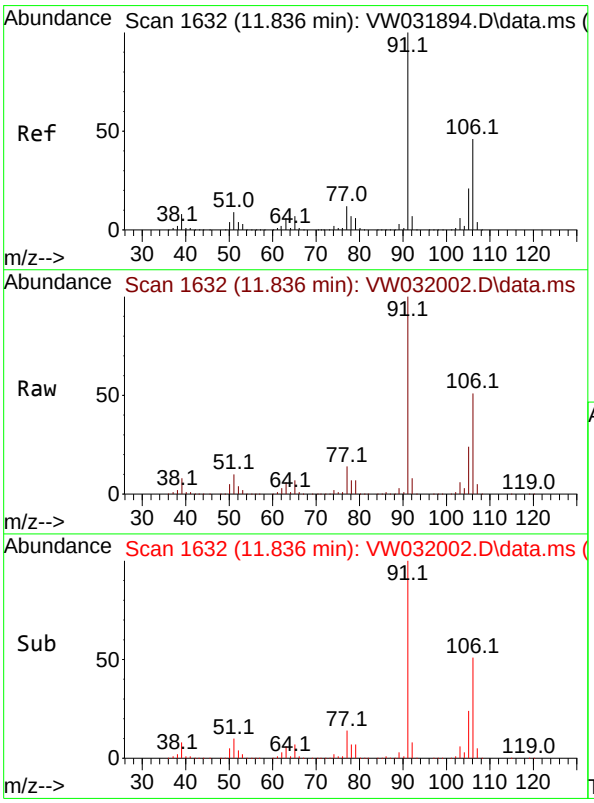
#67
Ethyl Benzene
Concen: 51.057 ug/l
RT: 11.733 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 824369

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.8	35.6

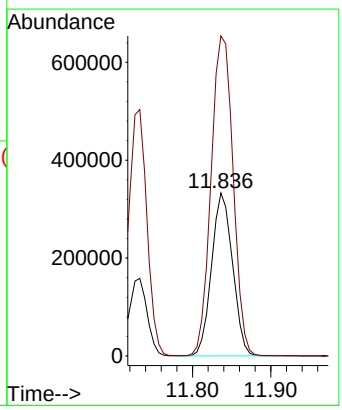


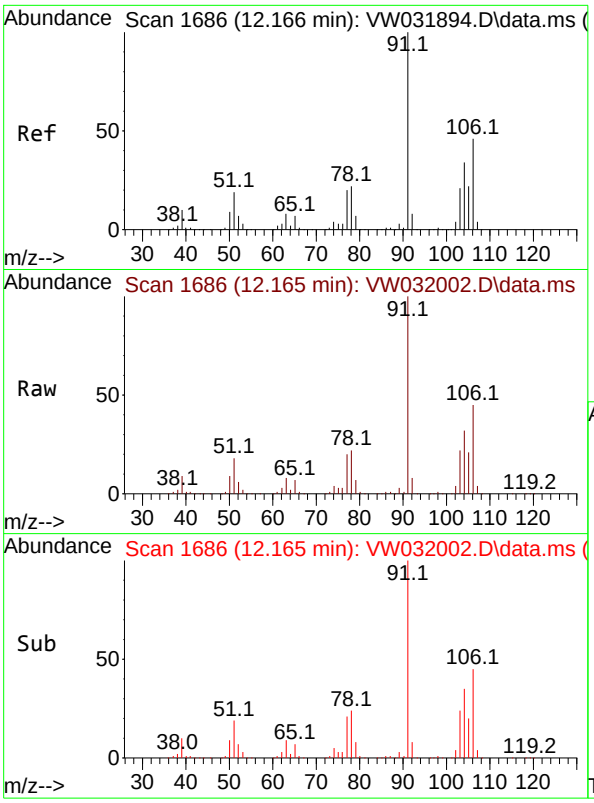


#68
m/p-Xylenes
Concen: 101.825 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:106 Resp: 618923

Ion	Ratio	Lower	Upper
106	100		
91	207.2	167.7	251.5



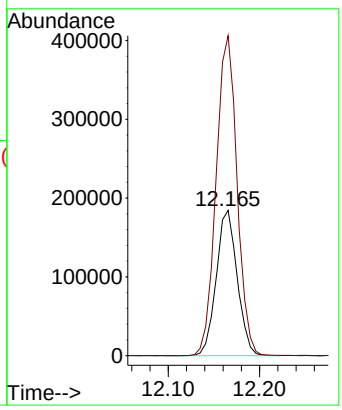


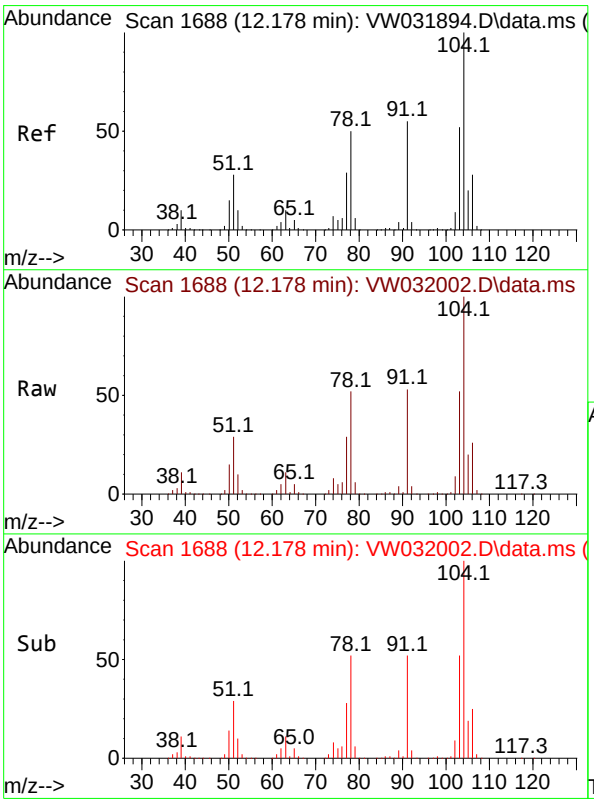
#69
o-Xylene
Concen: 51.081 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 293833

Ion	Ratio	Lower	Upper
106	100		
91	220.5	108.2	324.6

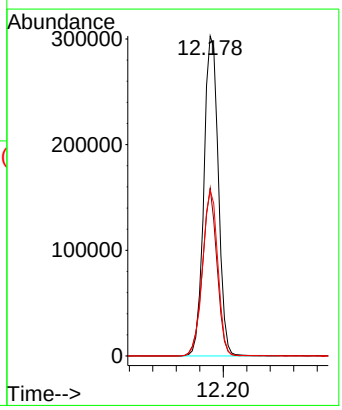


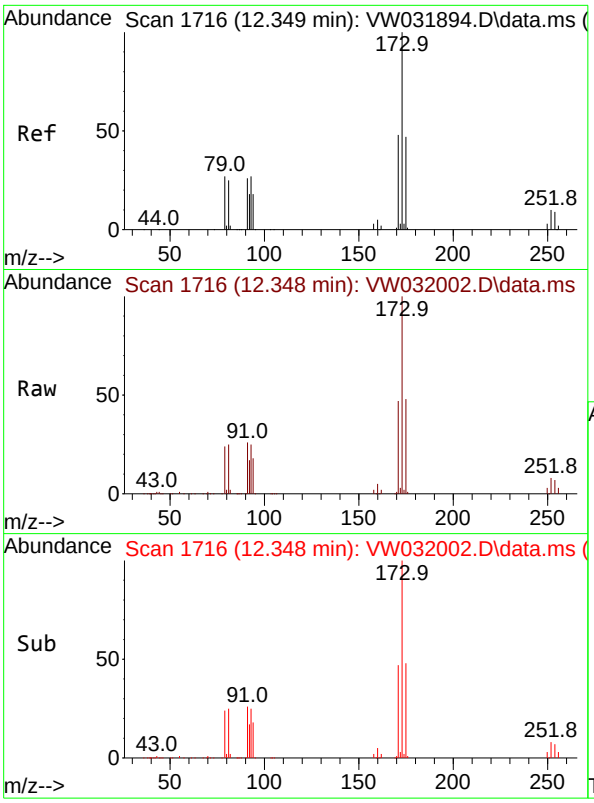


#70
Styrene
Concen: 52.978 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:104 Resp: 518864

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.2	63.4
103	54.5	42.8	64.2



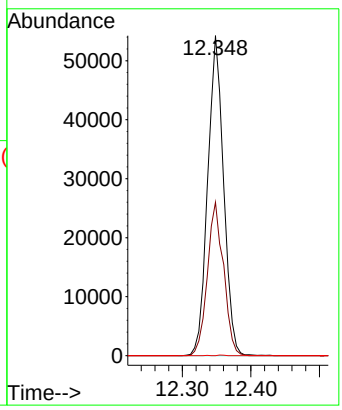


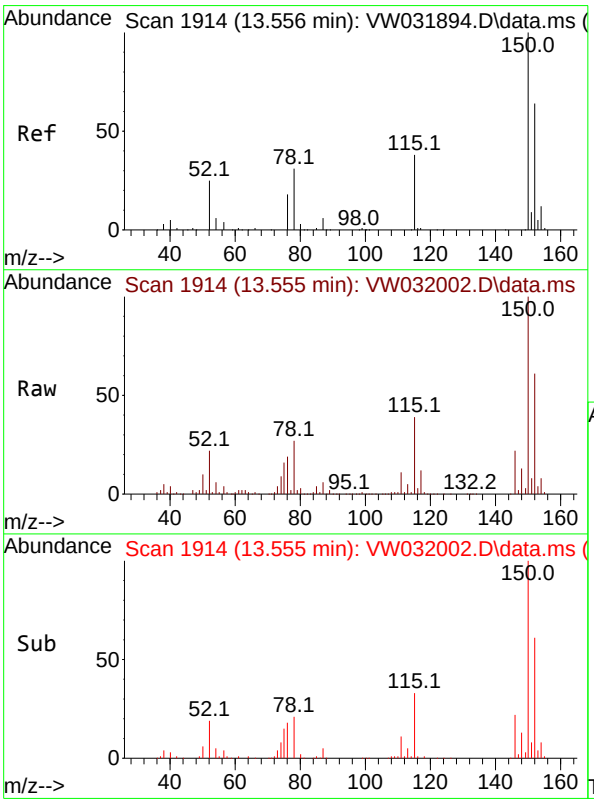
#71
Bromoform
Concen: 56.142 ug/l
RT: 12.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 87472

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.1	0.2	0.2#

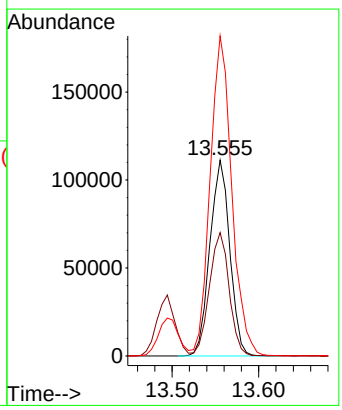


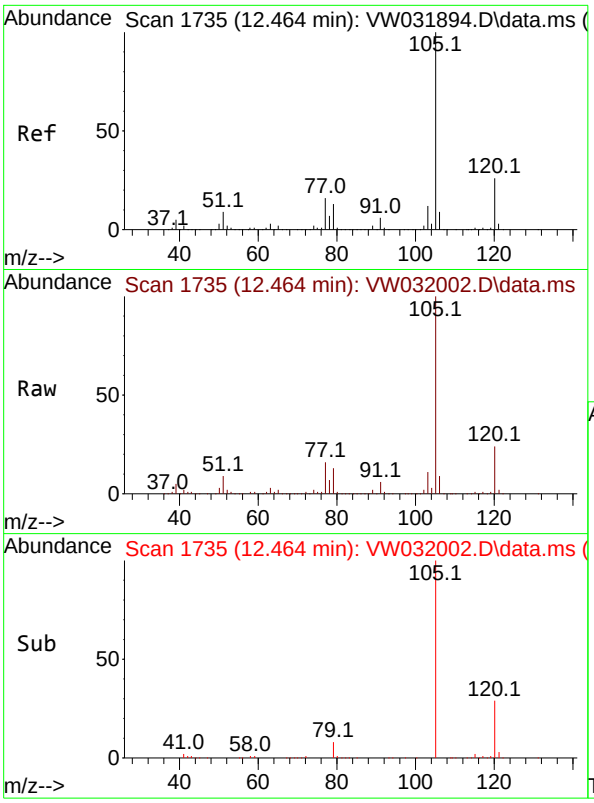


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:152 Resp: 177640

Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.4	100.1
150	177.7	0.0	352.2



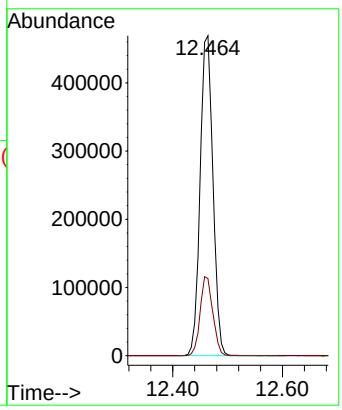


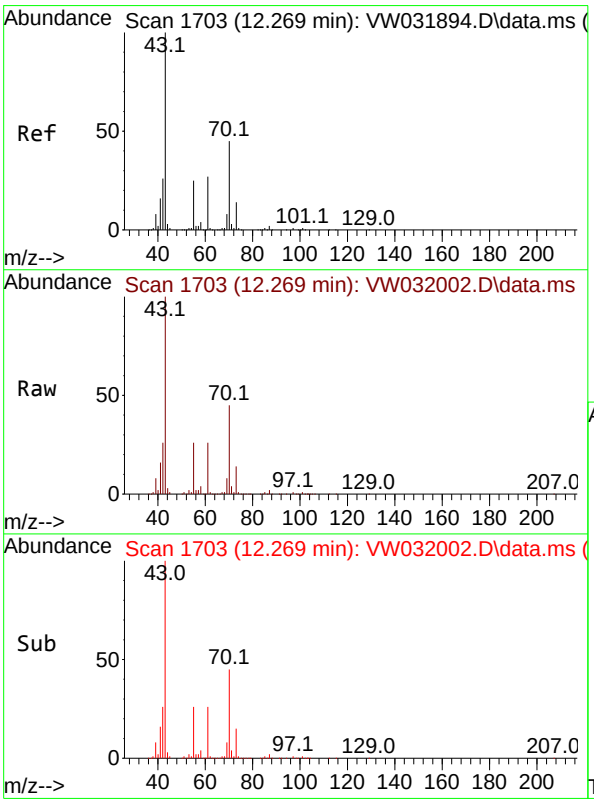
#73
Isopropylbenzene
Concen: 49.293 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 759756

Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.6	37.8

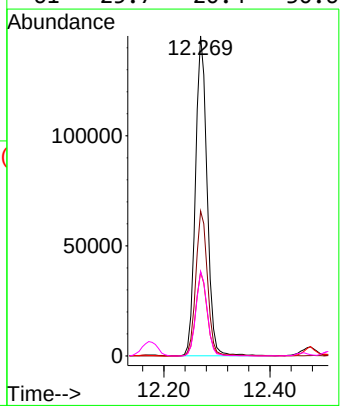


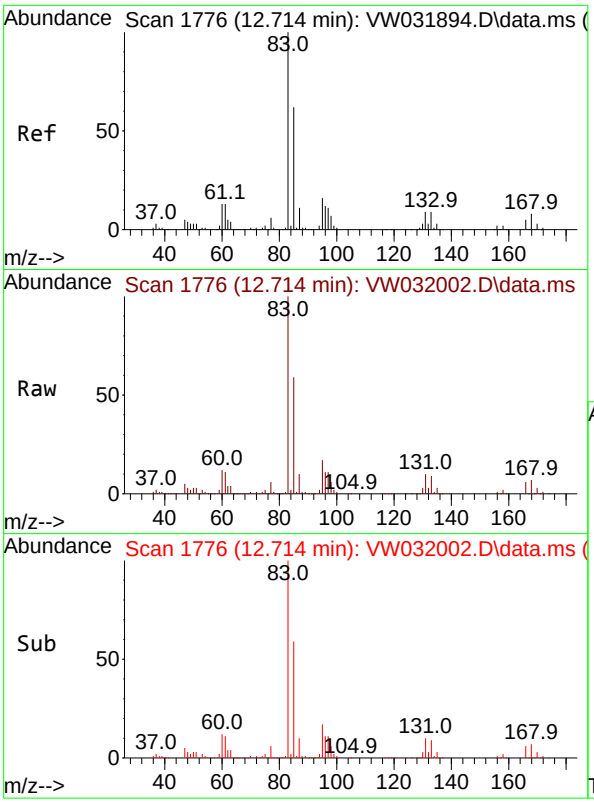


#74
N-amyl acetate
Concen: 52.797 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 43 Resp: 220001

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.6	55.0
55	26.1	20.7	31.1
61	25.7	20.4	30.6



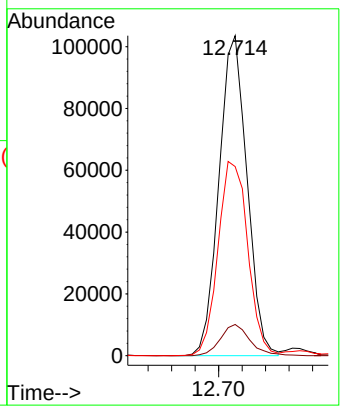


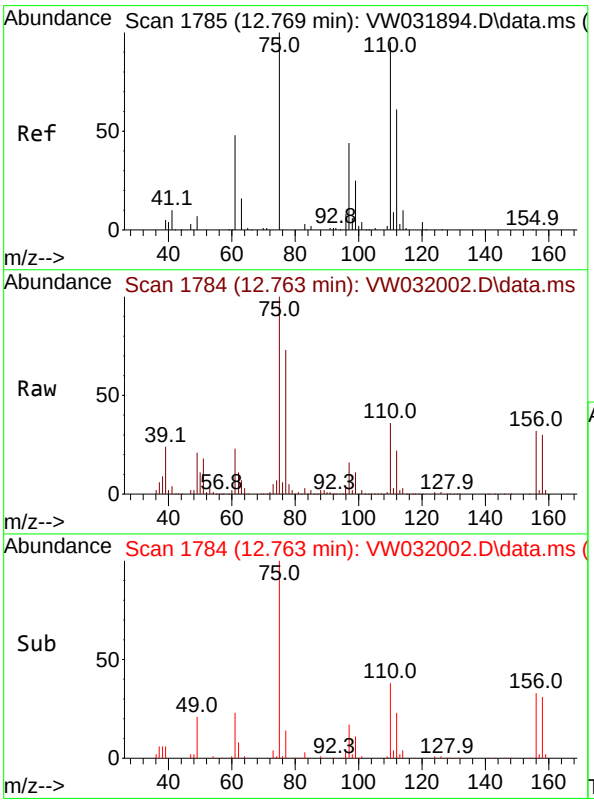
#75
1,1,2,2-Tetrachloroethane
Concen: 52.499 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 171757

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	64.4	31.8	95.3

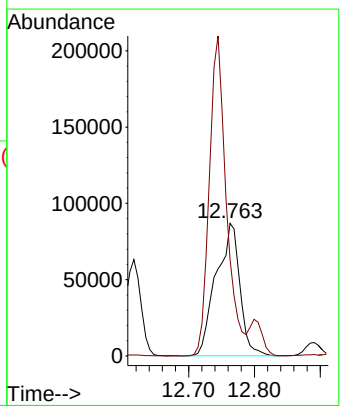


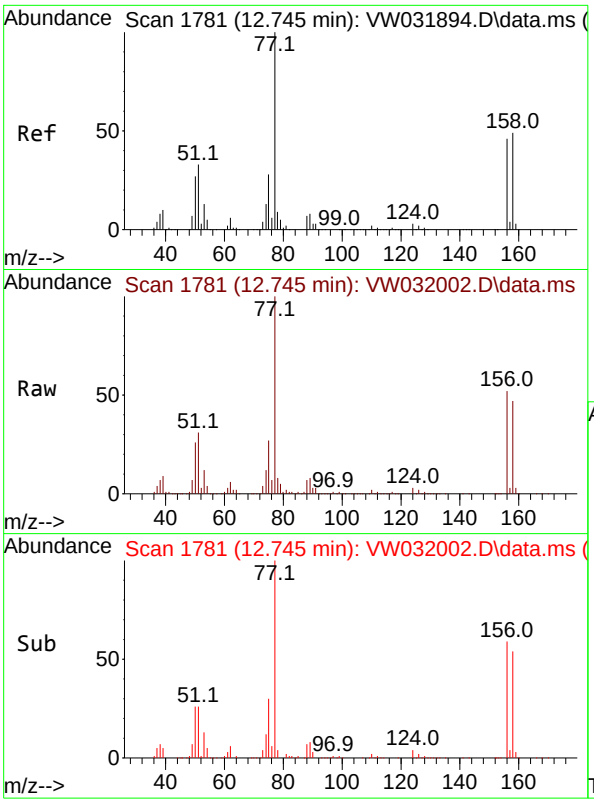


#76
1,2,3-Trichloropropane
Concen: 88.652 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 217427

Ion	Ratio	Lower	Upper
75	100		
77	175.0	0.0	0.0#



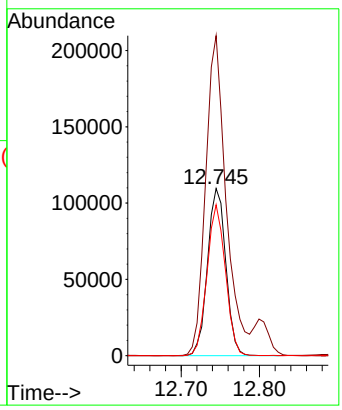


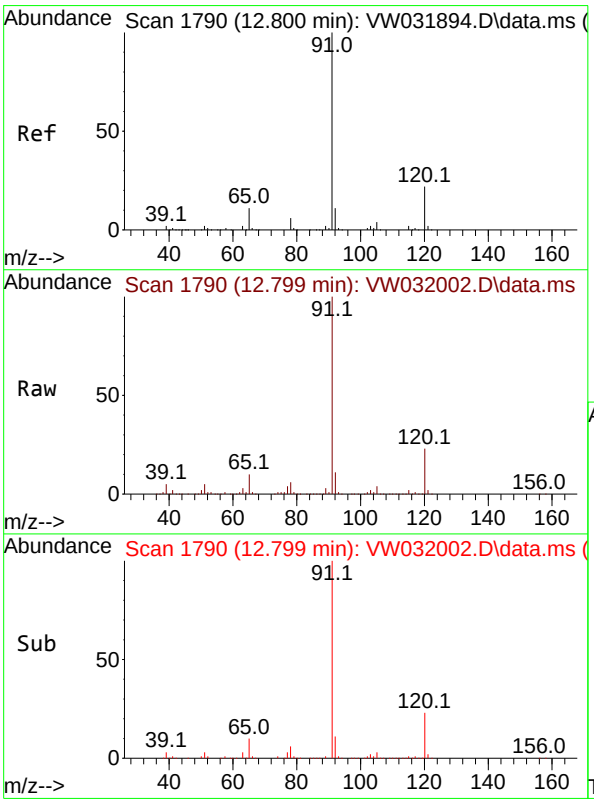
#77
Bromobenzene
Concen: 53.344 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 177897

Ion	Ratio	Lower	Upper
156	100		
77	213.9	115.3	345.8
158	90.8	50.1	150.3

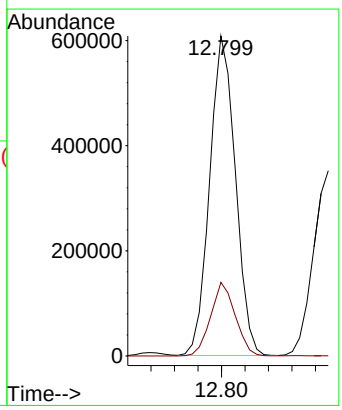


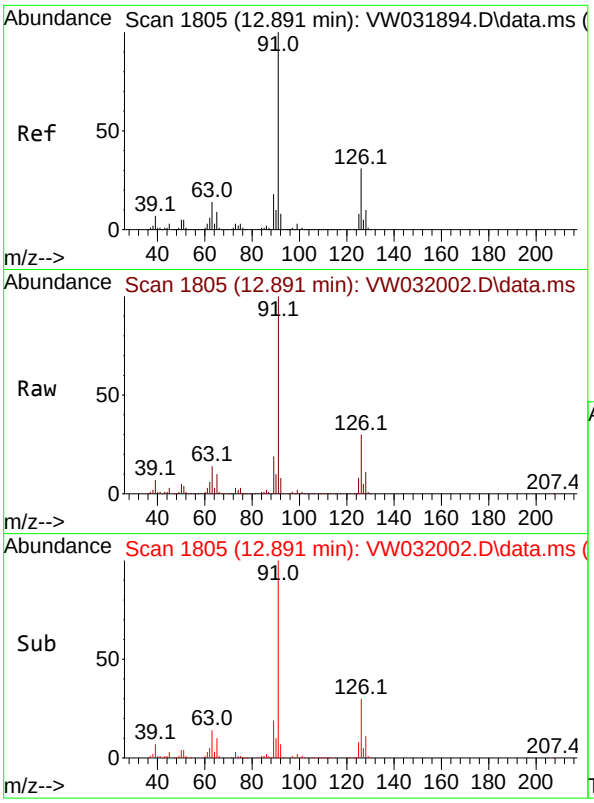


#78
n-propylbenzene
Concen: 48.939 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 91 Resp: 926422

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.6



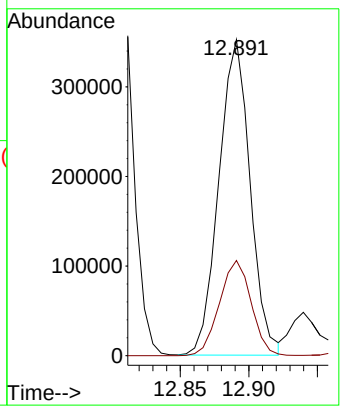


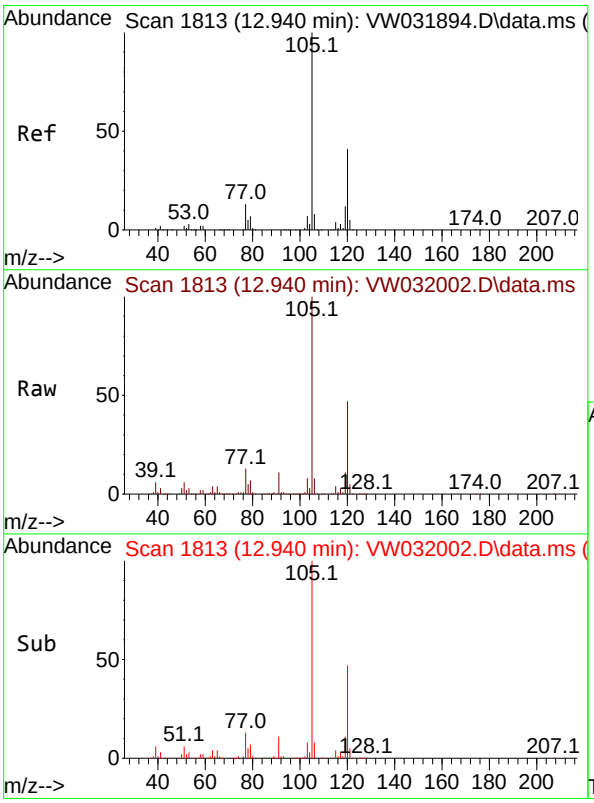
#79
2-Chlorotoluene
Concen: 49.443 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 558833

Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.8

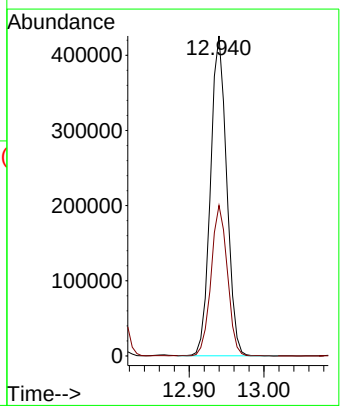


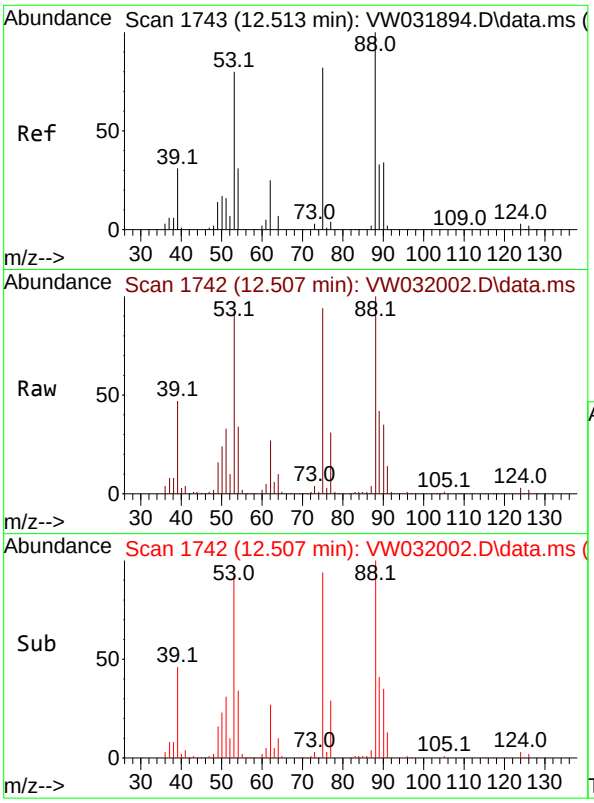


#80
1,3,5-Trimethylbenzene
Concen: 49.717 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:105 Resp: 642679

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.5



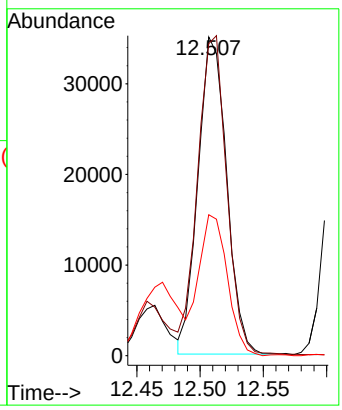


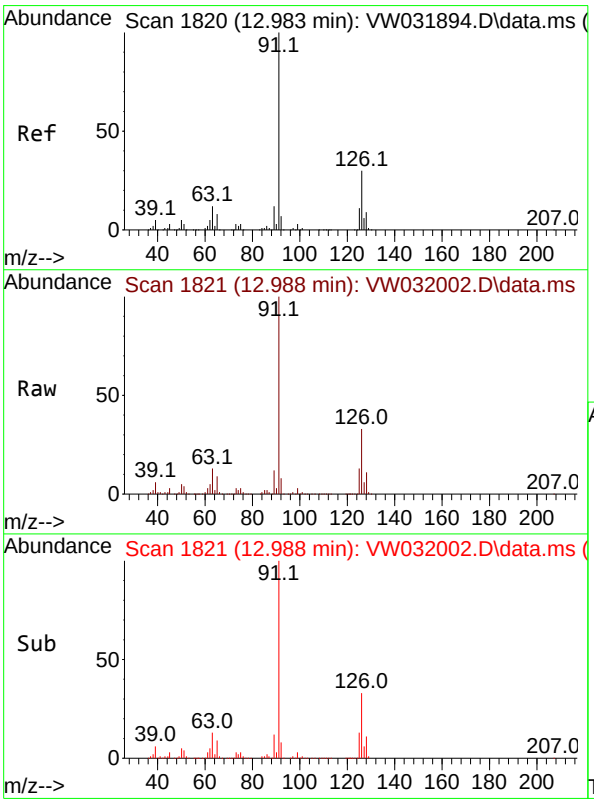
#81
trans-1,4-Dichloro-2-butene
Concen: 51.886 ug/l
RT: 12.507 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 55119

Ion	Ratio	Lower	Upper
75	100		
53	102.3	83.7	125.5
89	44.2	39.0	58.6

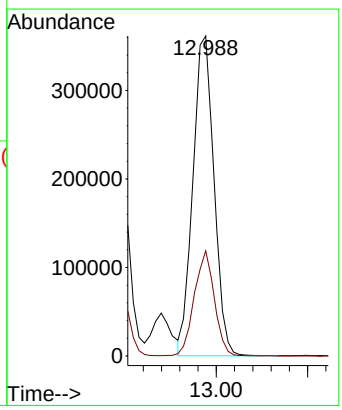


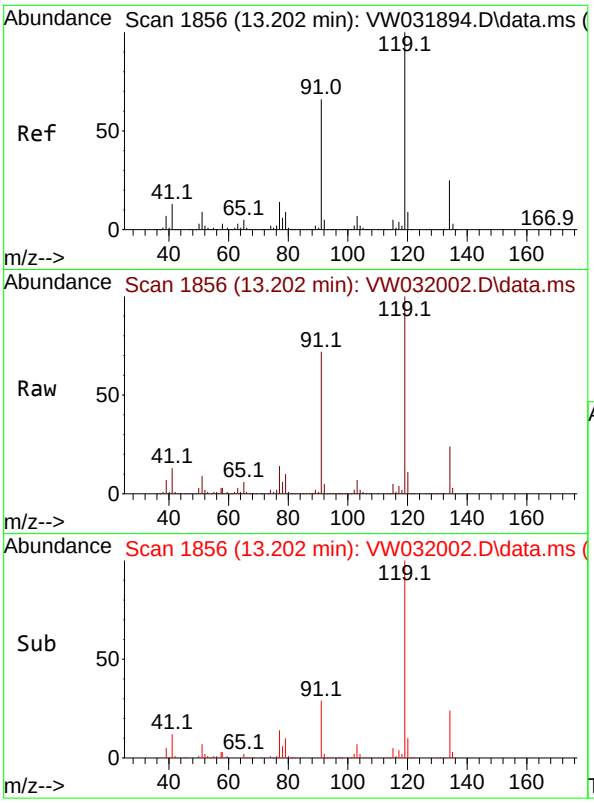


#82
4-Chlorotoluene
Concen: 48.829 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 91 Resp: 578985

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.8	47.3



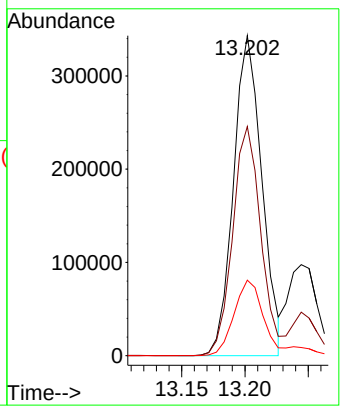


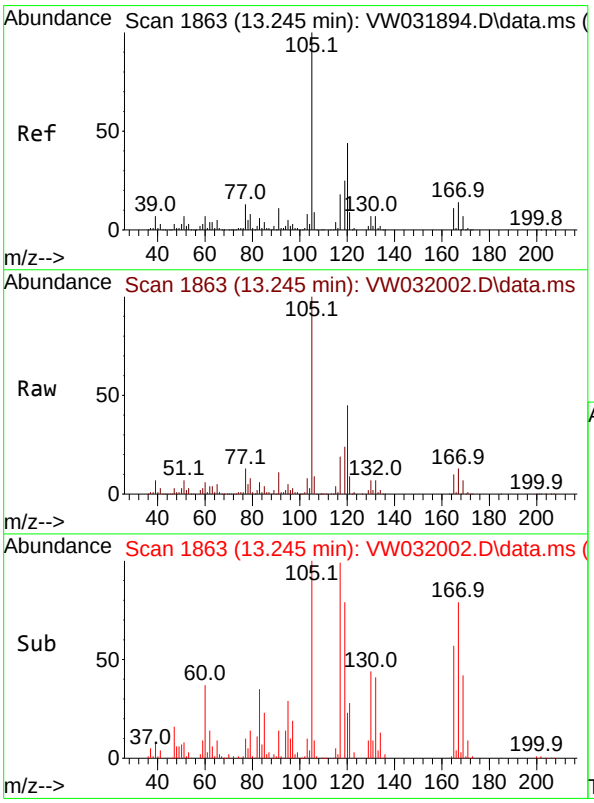
#83
tert-Butylbenzene
Concen: 48.682 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 536042

Ion	Ratio	Lower	Upper
119	100		
91	72.0	35.5	106.5
134	24.3	12.4	37.0

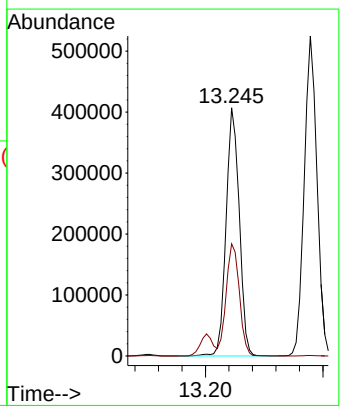


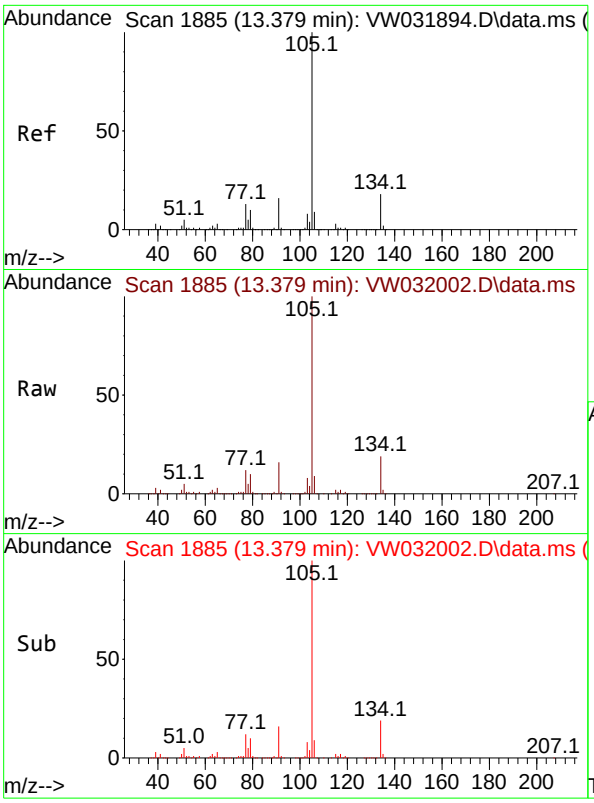


#84
1,2,4-Trimethylbenzene
Concen: 48.501 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:105 Resp: 634587

Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.3	63.9



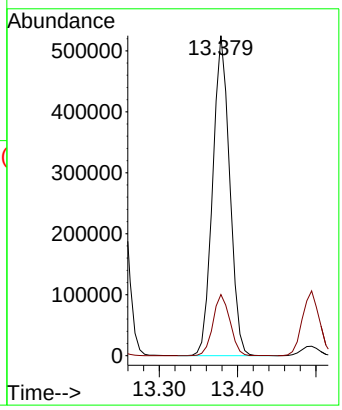


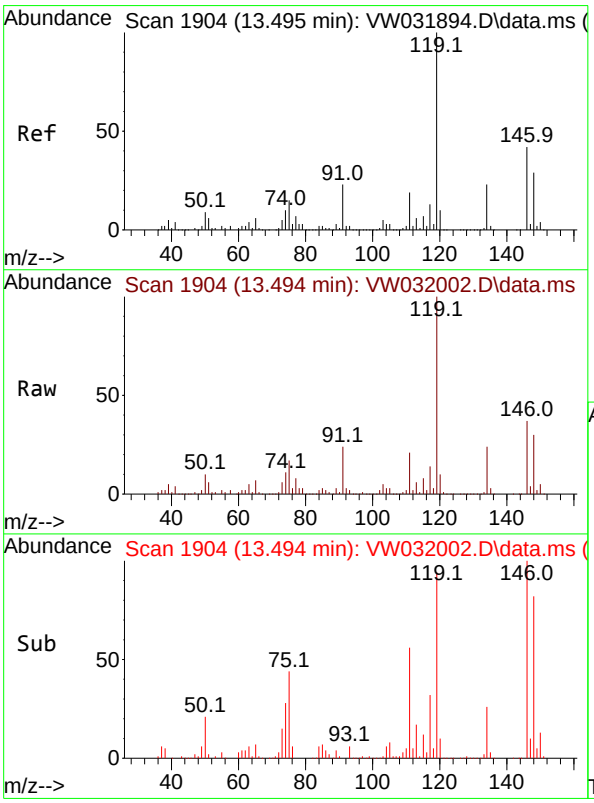
#85
sec-Butylbenzene
Concen: 47.871 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 791591

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.2	27.6

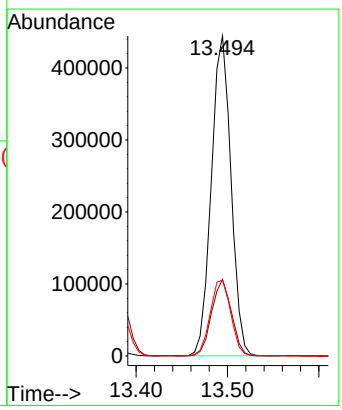


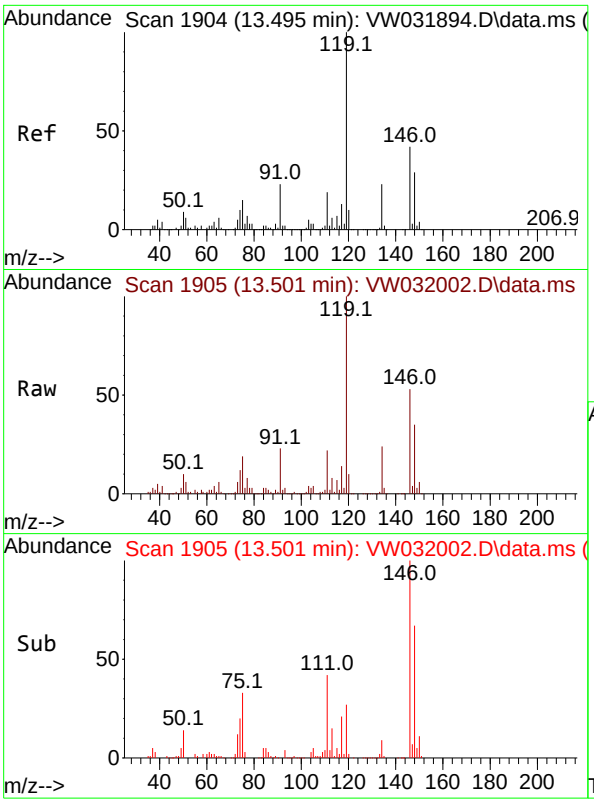


#86
p-Isopropyltoluene
Concen: 48.416 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:119 Resp: 661739

Ion	Ratio	Lower	Upper
119	100		
134	24.3	13.0	39.0
91	24.7	12.7	38.1



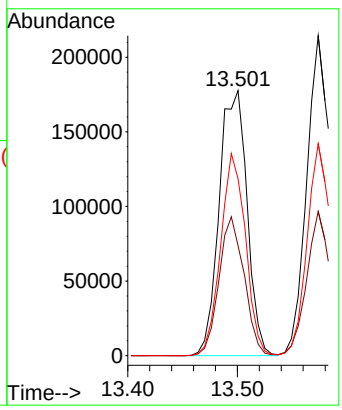


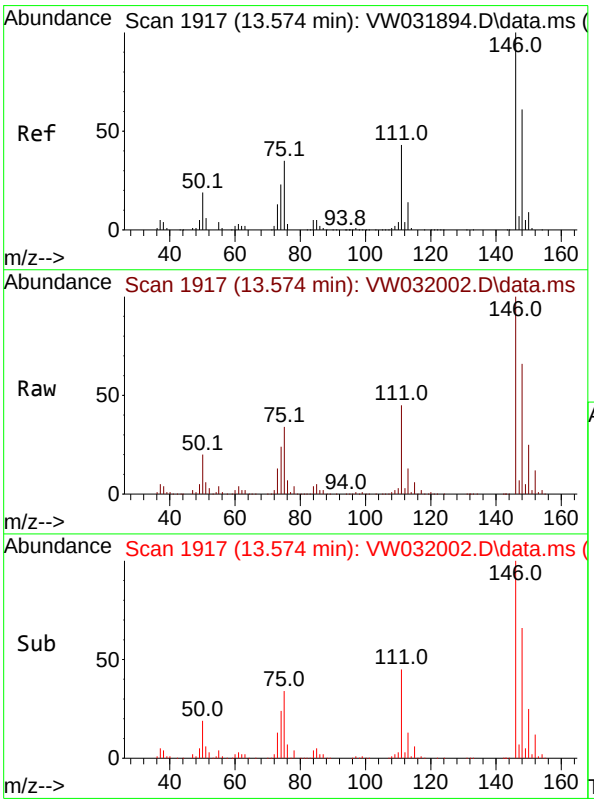
#87
1,3-Dichlorobenzene
Concen: 45.186 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 313676

Ion	Ratio	Lower	Upper
146	100		
111	47.3	21.9	65.7
148	68.1	31.9	95.5

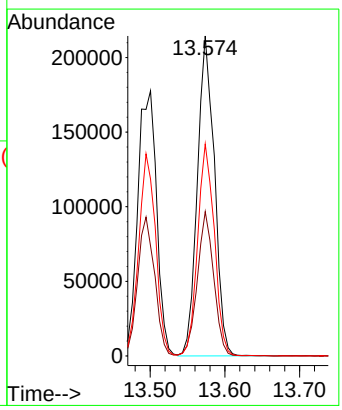


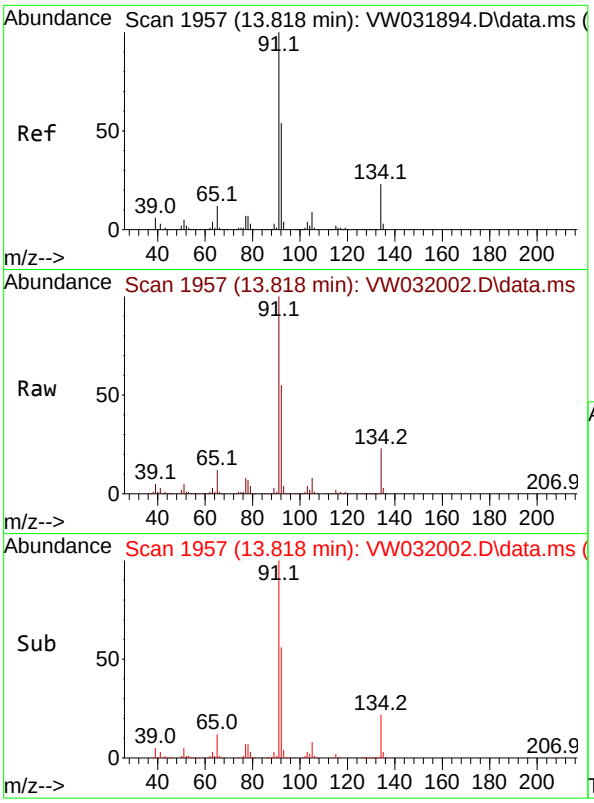


#88
1,4-Dichlorobenzene
Concen: 49.938 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:146 Resp: 339595

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.3
148	64.8	31.8	95.3



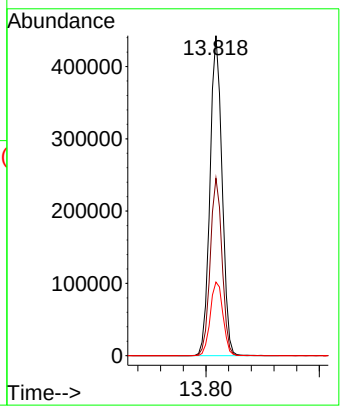


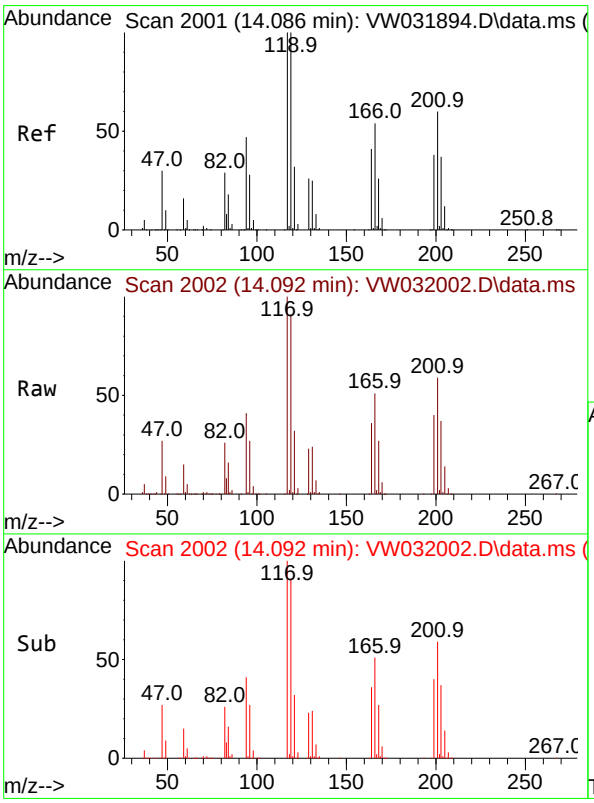
#89
n-Butylbenzene
Concen: 48.742 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 653516

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	24.2	11.6	34.7

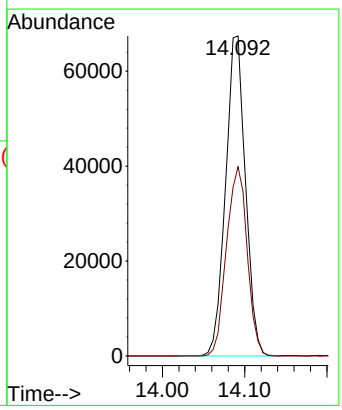


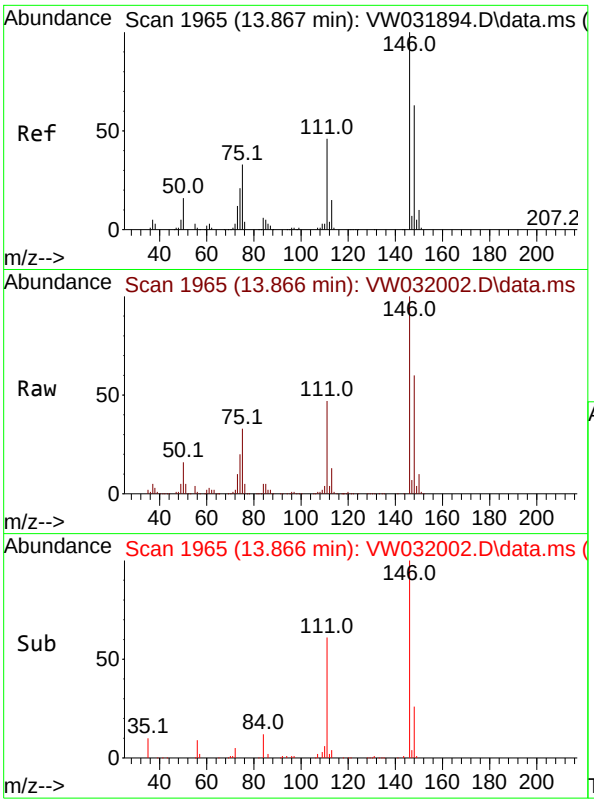


#90
Hexachloroethane
Concen: 48.040 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:117 Resp: 113537

Ion	Ratio	Lower	Upper
117	100		
201	61.4	28.4	85.2



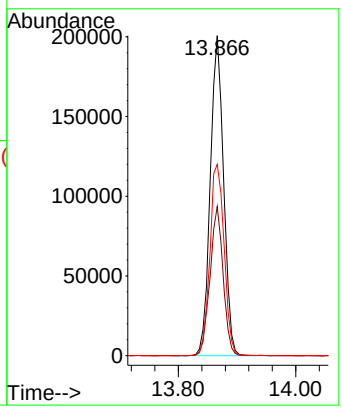


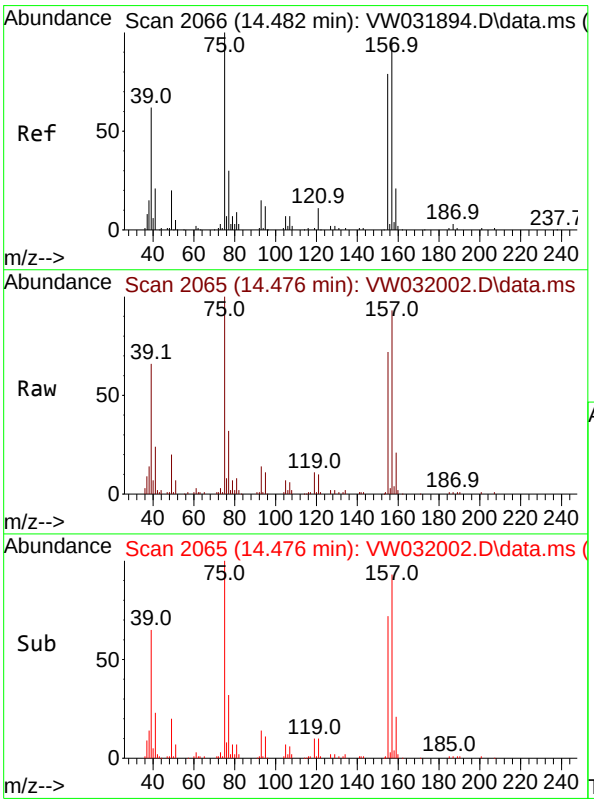
#91
1,2-Dichlorobenzene
Concen: 51.389 ug/l
RT: 13.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 316158

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.6	71.0
148	63.9	32.4	97.2

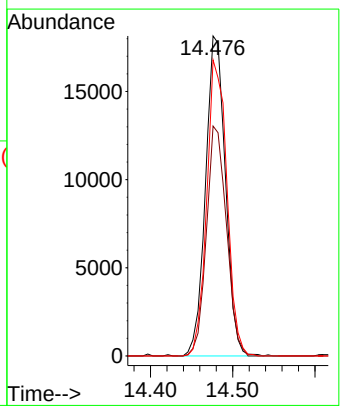


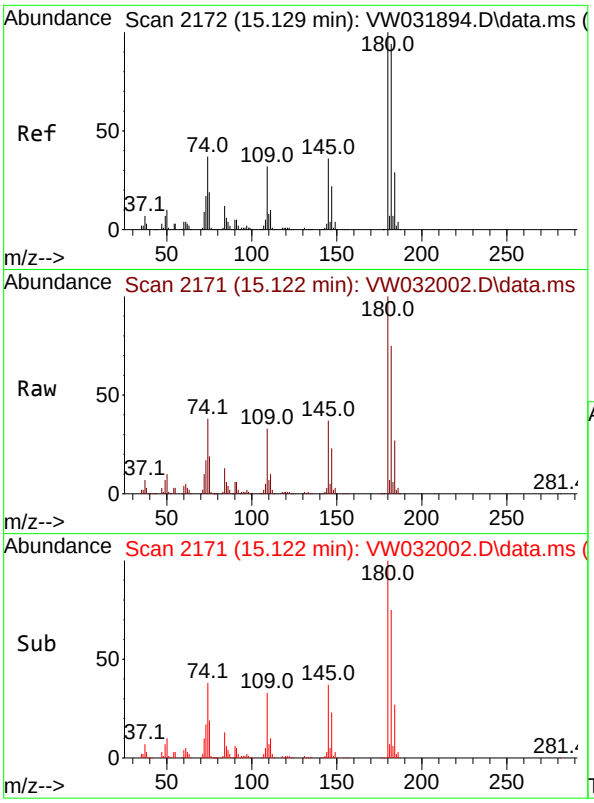


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.606 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion: 75 Resp: 30503

Ion	Ratio	Lower	Upper
75	100		
155	72.3	35.9	107.7
157	93.3	47.4	142.2



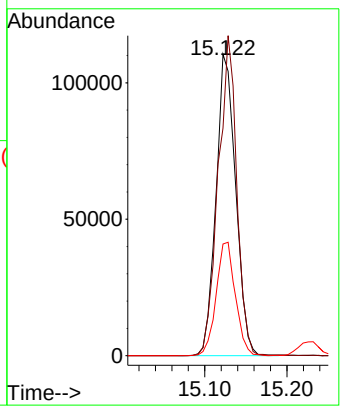


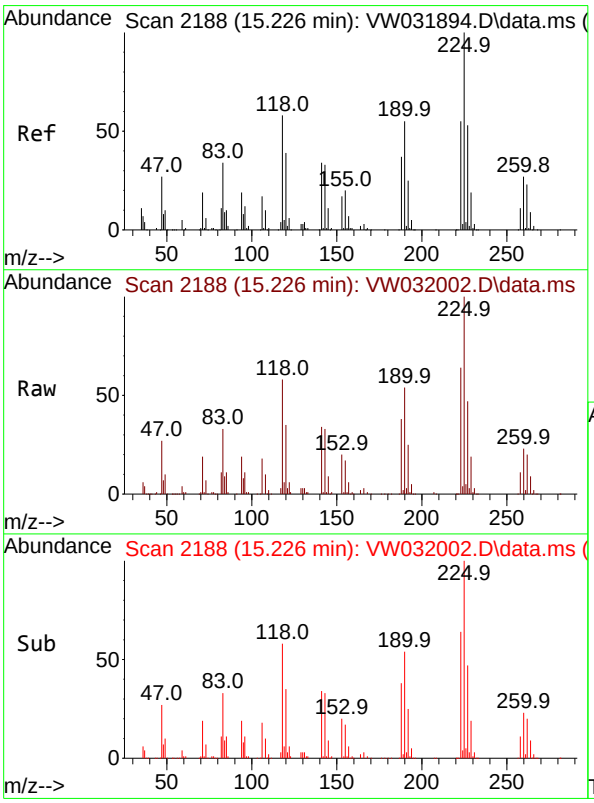
#93
1,2,4-Trichlorobenzene
Concen: 49.590 ug/l
RT: 15.122 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 183993

Ion	Ratio	Lower	Upper
180	100		
182	100.1	51.0	153.1
145	36.7	18.4	55.4

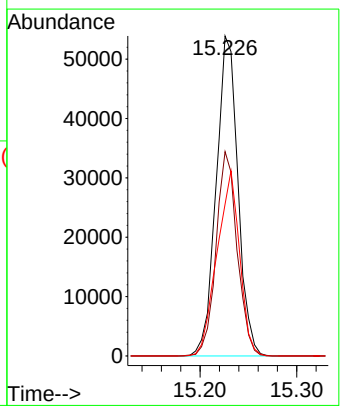


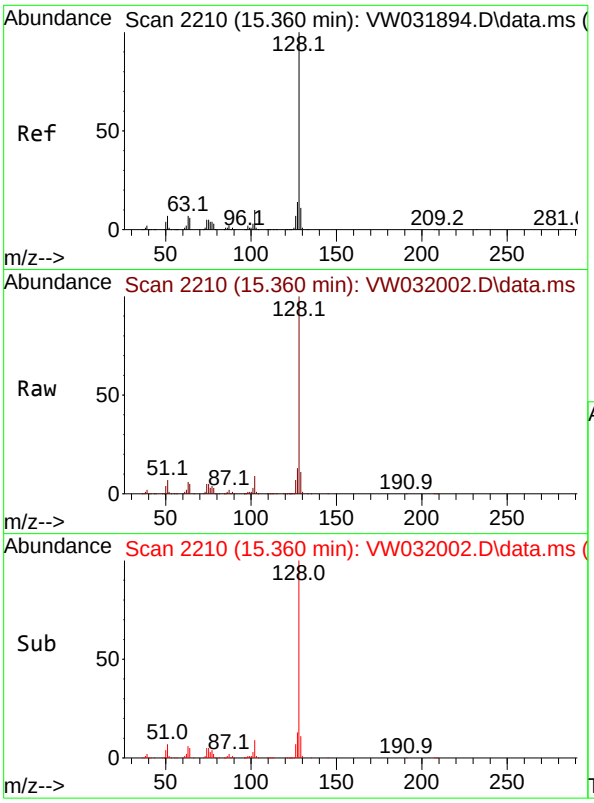


#94
Hexachlorobutadiene
Concen: 47.777 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:225 Resp: 83998

Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	60.0	30.0	90.1



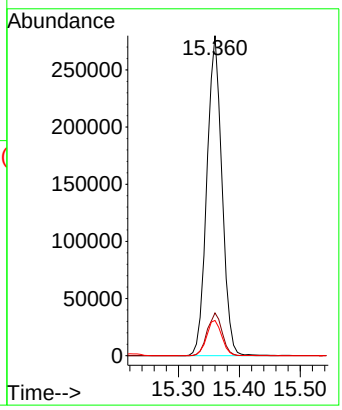


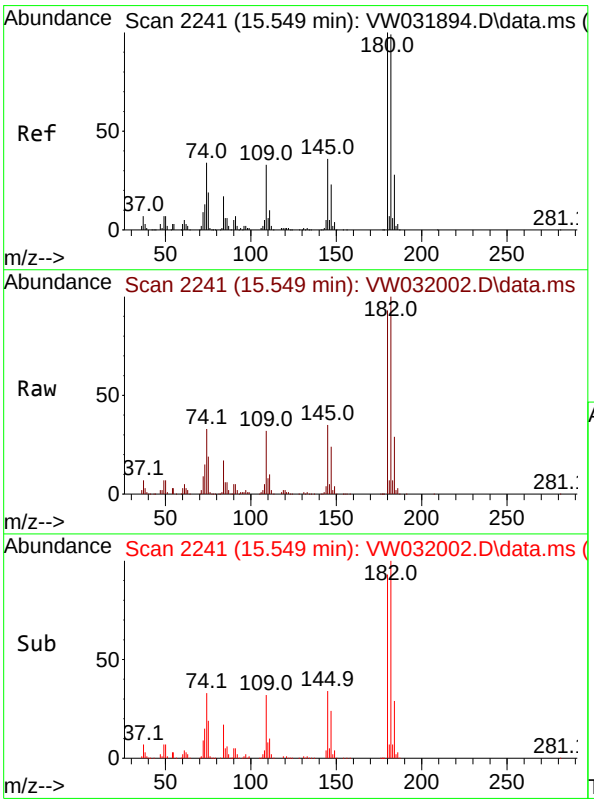
#95
Naphthalene
Concen: 52.726 ug/l
RT: 15.360 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 480952

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	9.2	13.8





#96
1,2,3-Trichlorobenzene
Concen: 51.272 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032002.D
Acq: 04 Aug 2025 15:24

Tgt Ion:180 Resp: 172358

Ion	Ratio	Lower	Upper
180	100		
182	91.1	50.4	151.2
145	35.9	18.6	55.8

