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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2558

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2558

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2558-01	OU4-TS-Denali-070925
Q2558-02	OU4-TS-Denali-070925
Q2558-03	OU4-TS-Grillo-OG-070925
Q2558-04	OU4-TS-Grillo-OG-070925

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: 7/21/2025

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 # Q2558
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 07/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SPLP MetalGroup4, SPLP MetalGroup6, SVOCMS Group3 and 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 met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

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

The %RSD is greater than 20% in the Initial Calibration method (82W063025S.M) for Methylene Chloride passing on Quadratic Regression.

The Continuous Calibration met the requirements.
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.

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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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2558 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 (82W063025S.M) for Methylene Chloride passing on Quadratic Regression. The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
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.

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

NA NO YES

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 #: Q2558

	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:** 07/21/2025

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LAB CHRONICLE

OrderID:	Q2558	**OrderDate:**	7/10/2025 11:16:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2558-01	**OU4-TS-Denali-070925**	**SOIL**			**07/09/25**			**07/10/25**
			VOCMS Group3	8260D			07/10/25	
Q2558-03	**OU4-TS-Grillo-OG-070925**	**SOIL**			**07/09/25**			**07/10/25**
			VOCMS Group3	8260D			07/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2558

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:									
				0					

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q2558

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2558-01	OU4-TS-Denali-070925	1,2-Dichloroethane-d4	50	55.8	112		71	136
		Dibromofluoromethane	50	48.5	97		78	119
		Toluene-d8	50	45.3	91		85	116
		4-Bromofluorobenzene	50	40.7	81		79	119
Q2558-03	OU4-TS-Grillo-OG-070925	1,2-Dichloroethane-d4	50	50.5	101		71	136
		Dibromofluoromethane	50	44.5	89		78	119
		Toluene-d8	50	43.0	86		85	116
		4-Bromofluorobenzene	50	40.3	81		79	119
VW0710SBL01	VW0710SBL01	1,2-Dichloroethane-d4	50	55.9	112		71	136
		Dibromofluoromethane	50	46.0	92		78	119
		Toluene-d8	50	45.5	91		85	116
		4-Bromofluorobenzene	50	45.6	91		79	119
VW0710SBS01	VW0710SBS01	1,2-Dichloroethane-d4	50	48.8	98		71	136
		Dibromofluoromethane	50	47.6	95		78	119
		Toluene-d8	50	49.3	99		85	116
		4-Bromofluorobenzene	50	51.3	103		79	119
VW0710SBSD0	VW0710SBSD01	1,2-Dichloroethane-d4	50	51.5	103		71	136
		Dibromofluoromethane	50	49.9	100		78	119
		Toluene-d8	50	49.8	100		85	116
		4-Bromofluorobenzene	50	51.9	104		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2558 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031793.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0710SBS01	Dichlorodifluoromethane	20	18.5	ug/Kg	93			29	149	
	Chloromethane	20	19.3	ug/Kg	97			50	136	
	Vinyl chloride	20	20.1	ug/Kg	101			56	135	
	Bromomethane	20	18.8	ug/Kg	94			53	143	
	Chloroethane	20	19.6	ug/Kg	98			59	139	
	Tetrahydrofuran	100	97.7	ug/Kg	98			61	135	
	Trichlorofluoromethane	20	18.3	ug/Kg	92			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/Kg	97			66	136	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70	131	
	Acrylonitrile	100	93.9	ug/Kg	94			65	134	
	Acetone	100	100	ug/Kg	100			36	164	
	Carbon disulfide	20	18.7	ug/Kg	94			63	132	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			73	125	
	Methylene Chloride	20	24.3	ug/Kg	121			70	128	
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101			74	125	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			76	125	
	2-Butanone	100	110	ug/Kg	110			51	148	
	Carbon Tetrachloride	20	19.6	ug/Kg	98			70	135	
	2,2-Dichloropropane	20	20.1	ug/Kg	101			67	133	
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104			77	123	
	Chloroform	20	21.2	ug/Kg	106			78	123	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			73	130	
	1,1-Dichloropropene	20	20.6	ug/Kg	103			76	125	
	Benzene	20	20.8	ug/Kg	104			77	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			73	128	
	Trichloroethene	20	20.4	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			76	123	
	Dibromomethane	20	20.3	ug/Kg	102			78	125	
	Bromodichloromethane	20	20.3	ug/Kg	102			75	127	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			65	135	
	Toluene	20	20.9	ug/Kg	104			77	121	
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103			71	130	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			74	126	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			78	121	
	1,3-Dichloropropane	20	20.7	ug/Kg	104			77	121	
	2-Hexanone	100	110	ug/Kg	110			53	145	
	Dibromochloromethane	20	19.4	ug/Kg	97			74	126	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			78	122	
	Tetrachloroethene	20	19.5	ug/Kg	98			73	128	
	Chlorobenzene	20	21.4	ug/Kg	107			79	120	
	1,1,1,2-Tetrachloroethane	20	21.6	ug/Kg	108			78	125	
	Ethyl Benzene	20	22.0	ug/Kg	110			76	122	
	m/p-Xylenes	40	42.3	ug/Kg	106			77	124	
	o-Xylene	20	21.8	ug/Kg	109			77	123	
	Styrene	20	21.4	ug/Kg	107			76	124	
	Bromoform	20	18.0	ug/Kg	90			67	132	
	Isopropylbenzene	20	20.4	ug/Kg	102			68	134	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/Kg	99			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2558 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031793.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0710SBS01	1,2,3-Trichloropropane	20	20.4	ug/Kg	102			73	125	
	Bromobenzene	20	20.6	ug/Kg	103			78	121	
	N-propylbenzene	20	21.0	ug/Kg	105			73	125	
	2-Chlorotoluene	20	20.5	ug/Kg	103			75	122	
	1,3,5-Trimethylbenzene	20	21.3	ug/Kg	106			73	124	
	4-Chlorotoluene	20	20.9	ug/Kg	104			72	124	
	tert-Butylbenzene	20	20.1	ug/Kg	101			73	125	
	1,2,4-Trimethylbenzene	20	21.0	ug/Kg	105			75	123	
	Sec-butylbenzene	20	20.6	ug/Kg	103			73	126	
	p-Isopropyltoluene	20	20.5	ug/Kg	103			73	127	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			77	121	
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96			75	120	
	n-Butylbenzene	20	21.0	ug/Kg	105			70	128	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			78	121	
	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			61	132	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			67	129	
	Hexachlorobutadiene	20	18.8	ug/Kg	94			61	135	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			66	130	
	trans-1,4-Dichloro-2-butene	20	18.0	ug/Kg	90			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2558**	**Analytical Method:**	**SW8260D**
Client:	**Nobis Group**	**Datafile :**	VW031794.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0710SBSD01	Dichlorodifluoromethane	20	19.6	ug/Kg	98	5		29	149	20
	Chloromethane	20	19.4	ug/Kg	97	0		50	136	20
	Vinyl chloride	20	20.7	ug/Kg	104	3		56	135	20
	Bromomethane	20	18.6	ug/Kg	93	1		53	143	20
	Chloroethane	20	19.4	ug/Kg	97	1		59	139	20
	Tetrahydrofuran	100	100	ug/Kg	100	2		61	135	20
	Trichlorofluoromethane	20	16.6	ug/Kg	83	10		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103	6		66	136	20
	1,1-Dichloroethene	20	20.2	ug/Kg	101	0		70	131	20
	Acrylonitrile	100	98.4	ug/Kg	98	4		65	134	20
	Acetone	100	110	ug/Kg	110	10		36	164	20
	Carbon disulfide	20	19.3	ug/Kg	97	3		63	132	20
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108	2		73	125	20
	Methylene Chloride	20	24.4	ug/Kg	122	1		70	128	20
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		74	125	20
	1,1-Dichloroethane	20	21.2	ug/Kg	106	4		76	125	20
	2-Butanone	100	110	ug/Kg	110	0		51	148	20
	Carbon Tetrachloride	20	19.7	ug/Kg	99	1		70	135	20
	2,2-Dichloropropane	20	19.6	ug/Kg	98	3		67	133	20
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	3		77	123	20
	Chloroform	20	21.0	ug/Kg	105	1		78	123	20
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	1		73	130	20
	1,1-Dichloropropene	20	21.0	ug/Kg	105	2		76	125	20
	Benzene	20	21.2	ug/Kg	106	2		77	121	20
	1,2-Dichloroethane	20	21.3	ug/Kg	106	4		73	128	20
	Trichloroethene	20	19.5	ug/Kg	98	4		77	123	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	0		76	123	20
	Dibromomethane	20	20.8	ug/Kg	104	2		78	125	20
	Bromodichloromethane	20	20.8	ug/Kg	104	2		75	127	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		65	135	20
	Toluene	20	20.7	ug/Kg	104	0		77	121	20
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103	0		71	130	20
	cis-1,3-Dichloropropene	20	21.3	ug/Kg	106	2		74	126	20
	1,1,2-Trichloroethane	20	21.5	ug/Kg	108	5		78	121	20
	1,3-Dichloropropane	20	21.5	ug/Kg	108	4		77	121	20
	2-Hexanone	100	110	ug/Kg	110	0		53	145	20
	Dibromochloromethane	20	20.4	ug/Kg	102	5		74	126	20
	1,2-Dibromoethane	20	20.5	ug/Kg	103	0		78	122	20
	Tetrachloroethene	20	19.2	ug/Kg	96	2		73	128	20
	Chlorobenzene	20	21.2	ug/Kg	106	1		79	120	20
	1,1,1,2-Tetrachloroethane	20	20.8	ug/Kg	104	4		78	125	20
	Ethyl Benzene	20	21.3	ug/Kg	106	4		76	122	20
	m/p-Xylenes	40	41.8	ug/Kg	104	2		77	124	20
	o-Xylene	20	21.1	ug/Kg	106	3		77	123	20
	Styrene	20	21.4	ug/Kg	107	0		76	124	20
	Bromoform	20	19.5	ug/Kg	98	9		67	132	20
	Isopropylbenzene	20	21.1	ug/Kg	106	4		68	134	20
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	7		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2558 **Analytical Method:** SW8260D

Client: Nobis Group **Datafile :** VW031794.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0710SBSD01	1,2,3-Trichloropropane	20	20.7	ug/Kg	104	2		73	125	20
	Bromobenzene	20	20.6	ug/Kg	103	0		78	121	20
	N-propylbenzene	20	21.8	ug/Kg	109	4		73	125	20
	2-Chlorotoluene	20	21.6	ug/Kg	108	5		75	122	20
	1,3,5-Trimethylbenzene	20	21.6	ug/Kg	108	2		73	124	20
	4-Chlorotoluene	20	21.5	ug/Kg	108	4		72	124	20
	tert-Butylbenzene	20	21.2	ug/Kg	106	5		73	125	20
	1,2,4-Trimethylbenzene	20	21.7	ug/Kg	109	4		75	123	20
	Sec-butylbenzene	20	21.5	ug/Kg	108	5		73	126	20
	p-Isopropyltoluene	20	21.6	ug/Kg	108	5		73	127	20
	1,3-Dichlorobenzene	20	21.9	ug/Kg	110	10		77	121	20
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	7		75	120	20
	n-Butylbenzene	20	21.2	ug/Kg	106	1		70	128	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	4		78	121	20
	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100	9		61	132	20
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	2		67	129	20
	Hexachlorobutadiene	20	18.5	ug/Kg	93	1		61	135	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	5		66	130	20
	trans-1,4-Dichloro-2-butene	20	19.7	ug/Kg	99	10		62	136	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0710SBL01

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2558

Lab File ID: VW031792.D Lab Sample ID: VW0710SBL01

Date Analyzed: 07/10/2025 Time Analyzed: 10:15

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
VW0710SBS01	VW0710SBS01	VW031793.D	07/10/2025
VW0710SBSD01	VW0710SBSD01	VW031794.D	07/10/2025
OU4-TS-Denali-070925	Q2558-01	VW031813.D	07/10/2025
OU4-TS-Grillo-OG-070925	Q2558-03	VW031814.D	07/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2558
Lab File ID: VW031728.D
BFB Injection Date: 06/30/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:56
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	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (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	VW031729.D	06/30/2025	09:54
VSTDICC010	VSTDICC010	VW031730.D	06/30/2025	10:15
VSTDICC020	VSTDICC020	VW031731.D	06/30/2025	10:58
VSTDICCC050	VSTDICCC050	VW031732.D	06/30/2025	11:21
VSTDICC100	VSTDICC100	VW031733.D	06/30/2025	12:34
VSTDICC150	VSTDICC150	VW031734.D	06/30/2025	12:55

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: NOBI03
Lab Code: ACE
SDG NO.: Q2558
Lab File ID: VW031790.D
BFB Injection Date: 07/10/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:16
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	19.3
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	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.3
175	5.0 - 9.0% of mass 174	4.9 (7.6) 1
176	95.0 - 101.0% of mass 174	63.2 (98.3) 1
177	5.0 - 9.0% of mass 176	3.9 (6.1) 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	VW031791.D	07/10/2025	08:47
VW0710SBL01	VW0710SBL01	VW031792.D	07/10/2025	10:15
VW0710SBS01	VW0710SBS01	VW031793.D	07/10/2025	11:05
VW0710SBSD01	VW0710SBSD01	VW031794.D	07/10/2025	11:33
OU4-TS-Denali-070925	Q2558-01	VW031813.D	07/10/2025	18:53
OU4-TS-Grillo-OG-070925	Q2558-03	VW031814.D	07/10/2025	19:15
VSTDCCC050EC	VSTDCCC050	VW031815.D	07/10/2025	19:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG NO.: Q2558

Lab File ID: VW031791.D Date Analyzed: 07/10/2025

Instrument ID: MSVOA_W Time Analyzed: 08:47

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	245114	7.97	431816	8.85	372703	11.63
UPPER LIMIT	490228	8.465	863632	9.349	745406	12.129
LOWER LIMIT	122557	7.465	215908	8.349	186352	11.129
EPA SAMPLE NO.						
OU4-TS-Denali-070925	163572	7.97	353977	8.85	311203	11.63
OU4-TS-Grillo-OG-070925	167602	7.97	373968	8.86	339893	11.64
VW0710SBL01	178449	7.96	403423	8.85	368923	11.64
VW0710SBS01	227800	7.97	411611	8.86	356304	11.64
VW0710SBSD01	226314	7.97	415001	8.85	365558	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.: Q2558

Lab File ID: VW031791.D Date Analyzed: 07/10/2025

Instrument ID: MSVOA_W Time Analyzed: 08:47

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

	IS4 AREA #	RT #				
12 HOUR STD	173821	13.556				
UPPER LIMIT	347642	14.056				
LOWER LIMIT	86910.5	13.056				
EPA SAMPLE NO.						
OU4-TS-Denali-070925	115898	13.56				
OU4-TS-Grillo-OG-070925	137532	13.56				
VW0710SBL01	171872	13.56				
VW0710SBS01	178658	13.56				
VW0710SBSD01	173637	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.6
Sample Wt/Vol:	4.84 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
VW031813.D	1	07/10/25 18:53	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0052	U	0.0015	0.0052	0.0065	mg/Kg
74-87-3	Chloromethane	0.0032	U	0.0015	0.0032	0.0065	mg/Kg
75-01-4	Vinyl Chloride	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
74-83-9	Bromomethane	0.0052	U	0.0014	0.0052	0.0065	mg/Kg
75-00-3	Chloroethane	0.0032	U	0.0016	0.0032	0.0065	mg/Kg
109-99-9	Tetrahydrofuran	0.016	U	0.0061	0.016	0.032	mg/Kg
75-69-4	Trichlorofluoromethane	0.0052	U	0.0016	0.0052	0.0065	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0032	U	0.0014	0.0032	0.0065	mg/Kg
75-35-4	1,1-Dichloroethene	0.0032	U	0.0013	0.0032	0.0065	mg/Kg
107-13-1	Acrylonitrile	0.016	U	0.0065	0.016	0.032	mg/Kg
67-64-1	Acetone	0.026	U	0.0062	0.026	0.032	mg/Kg
75-15-0	Carbon Disulfide	0.0052	U	0.0014	0.0052	0.0065	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0032	U	0.00095	0.0032	0.0065	mg/Kg
75-09-2	Methylene Chloride	0.010	U	0.0046	0.010	0.013	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
75-34-3	1,1-Dichloroethane	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
78-93-3	2-Butanone	0.026	U	0.0085	0.026	0.032	mg/Kg
56-23-5	Carbon Tetrachloride	0.0032	U	0.0013	0.0032	0.0065	mg/Kg
594-20-7	2,2-Dichloropropane	0.0052	U	0.0017	0.0052	0.0065	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0032	U	0.00097	0.0032	0.0065	mg/Kg
67-66-3	Chloroform	0.0052	U	0.0011	0.0052	0.0065	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0032	U	0.0012	0.0032	0.0065	mg/Kg
563-58-6	1,1-Dichloropropene	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
71-43-2	Benzene	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
107-06-2	1,2-Dichloroethane	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
79-01-6	Trichloroethene	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
78-87-5	1,2-Dichloropropane	0.0032	U	0.0012	0.0032	0.0065	mg/Kg
74-95-3	Dibromomethane	0.0032	U	0.0012	0.0032	0.0065	mg/Kg
75-27-4	Bromodichloromethane	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.016	U	0.0046	0.016	0.032	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.6
Sample Wt/Vol:	4.84 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
VW031813.D	1	07/10/25 18:53	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0032	U	0.00084	0.0032	0.0065	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0032	U	0.00080	0.0032	0.0065	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0032	U	0.0012	0.0032	0.0065	mg/Kg
142-28-9	1,3-Dichloropropane	0.0032	U	0.00088	0.0032	0.0065	mg/Kg
591-78-6	2-Hexanone	0.016	U	0.0048	0.016	0.032	mg/Kg
124-48-1	Dibromochloromethane	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
106-93-4	1,2-Dibromoethane	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
127-18-4	Tetrachloroethene	0.0032	U	0.0014	0.0032	0.0065	mg/Kg
108-90-7	Chlorobenzene	0.0032	U	0.0012	0.0032	0.0065	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
100-41-4	Ethyl Benzene	0.0032	U	0.00087	0.0032	0.0065	mg/Kg
179601-23-1	m/p-Xylenes	0.0065	U	0.0016	0.0065	0.013	mg/Kg
1330-20-7	Total Xylenes	0.0097	U	0.0027	0.0097	0.020	mg/Kg
95-47-6	o-Xylene	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
100-42-5	Styrene	0.0032	U	0.00092	0.0032	0.0065	mg/Kg
75-25-2	Bromoform	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
98-82-8	Isopropylbenzene	0.0032	U	0.0010	0.0032	0.0065	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0032	U	0.0016	0.0032	0.0065	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0052	U	0.0016	0.0052	0.0065	mg/Kg
108-86-1	Bromobenzene	0.0032	U	0.0016	0.0032	0.0065	mg/Kg
103-65-1	n-propylbenzene	0.0032	U	0.00095	0.0032	0.0065	mg/Kg
95-49-8	2-Chlorotoluene	0.0032	U	0.00088	0.0032	0.0065	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0032	U	0.0011	0.0032	0.0065	mg/Kg
106-43-4	4-Chlorotoluene	0.0032	U	0.0016	0.0032	0.0065	mg/Kg
98-06-6	tert-Butylbenzene	0.0032	U	0.00087	0.0032	0.0065	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0032	U	0.00083	0.0032	0.0065	mg/Kg
135-98-8	sec-Butylbenzene	0.0032	U	0.00086	0.0032	0.0065	mg/Kg
99-87-6	p-Isopropyltoluene	0.0032	U	0.00080	0.0032	0.0065	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0032	U	0.0022	0.0032	0.0065	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0032	U	0.0020	0.0032	0.0065	mg/Kg

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.6
Sample Wt/Vol:	4.84 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
VW031813.D	1	07/10/25 18:53	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0032	U	0.0019	0.0032	0.0065	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0032	U	0.0019	0.0032	0.0065	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0052	U	0.0024	0.0052	0.0065	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0052	U	0.0039	0.0052	0.0065	mg/Kg
87-68-3	Hexachlorobutadiene	0.0032	U	0.0025	0.0032	0.0065	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0052	U	0.0041	0.0052	0.0065	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0032	U	0.0014	0.0032	0.0065	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	45.3		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		79 - 119		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	7.965				
540-36-3	1,4-Difluorobenzene	354000	8.849				
3114-55-4	Chlorobenzene-d5	311000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.555				

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\VW071025\
Data File : VW031813.D
Acq On : 10 Jul 2025 18:53
Operator : SY/MD
Sample : Q2558-01
Misc : 4.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Quant Time: Jul 11 02:26:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	163572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	353977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	311203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	115898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131087	55.842	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.680%			
35) Dibromofluoromethane	7.904	113	112062	48.515	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.020%			
50) Toluene-d8	10.330	98	389564	45.320	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.640%			
62) 4-Bromofluorobenzene	12.617	95	128810	40.720	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 81.440%			

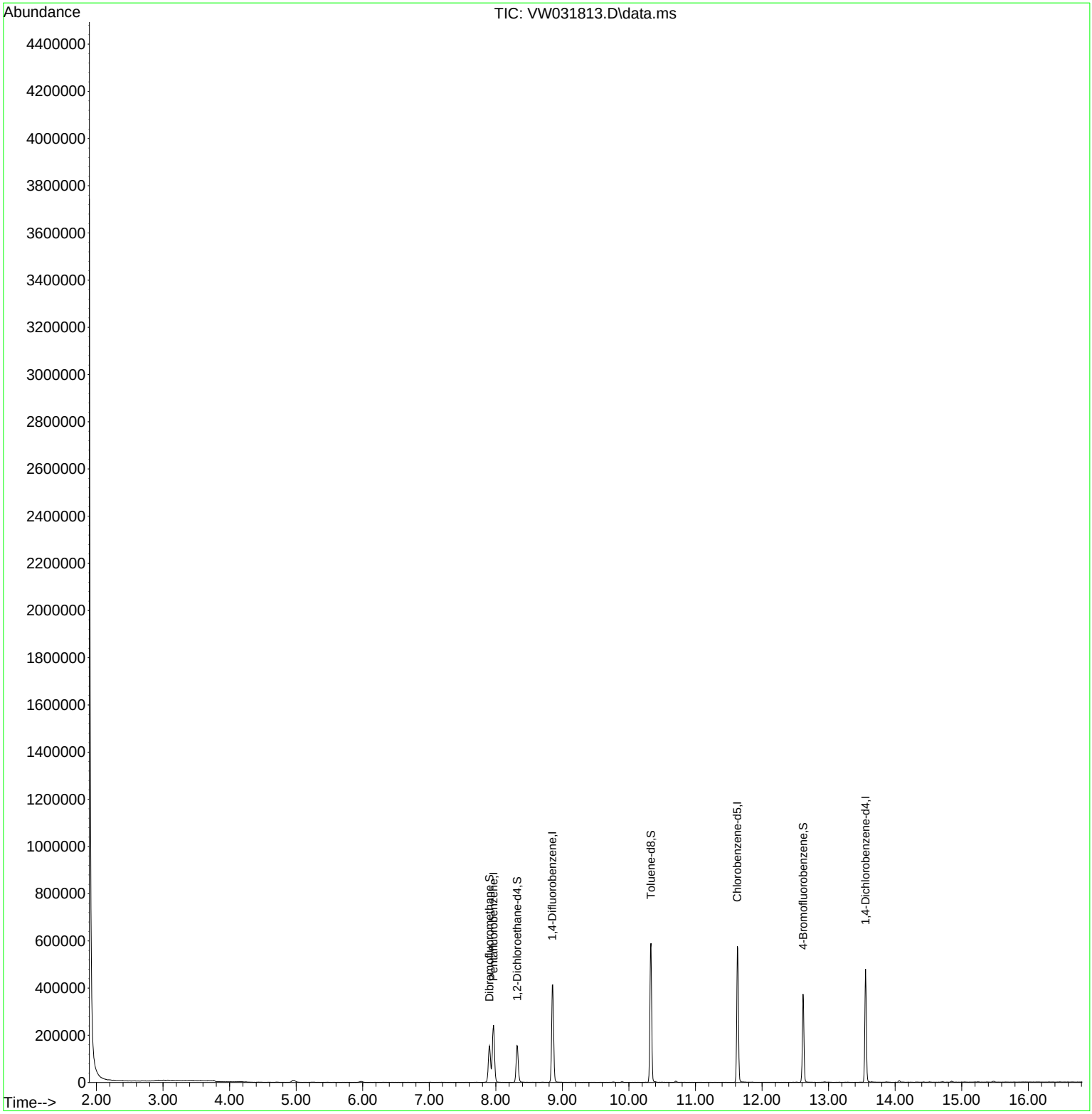
Target Compounds Qvalue

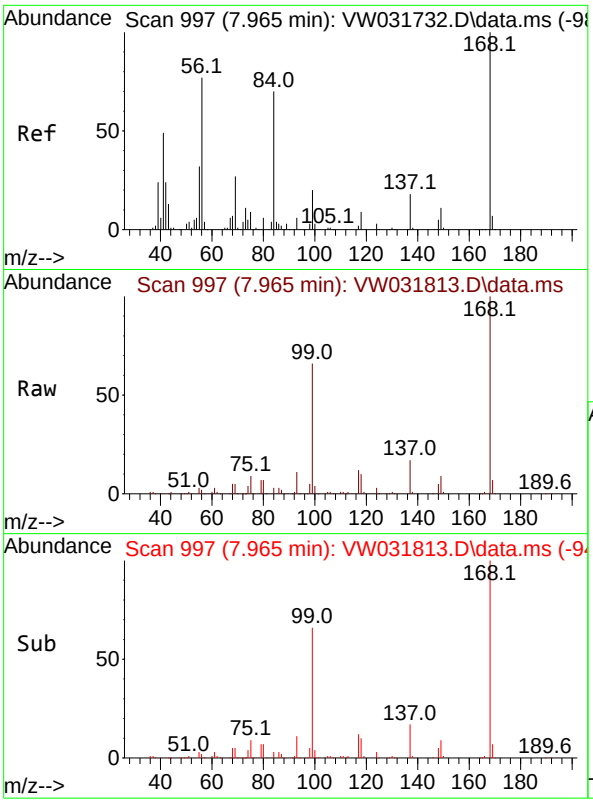
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031813.D
Acq On : 10 Jul 2025 18:53
Operator : SY/MD
Sample : Q2558-01
Misc : 4.84g/5mL/MSVOA_W/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Quant Time: Jul 11 02:26:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



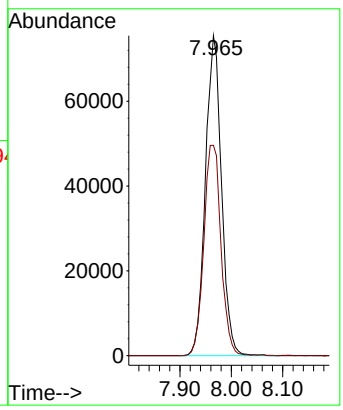


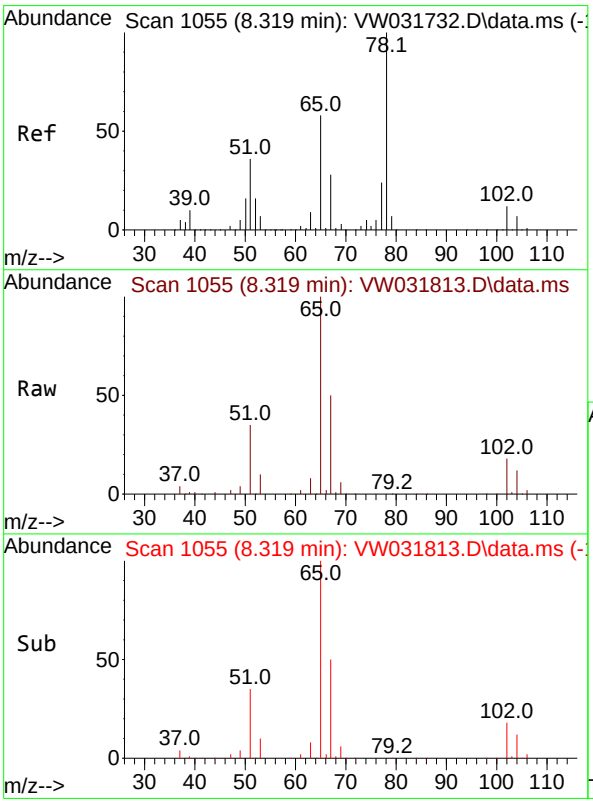
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Tgt Ion:168 Resp: 163572

Ion	Ratio	Lower	Upper
168	100		
99	65.8	49.4	74.2

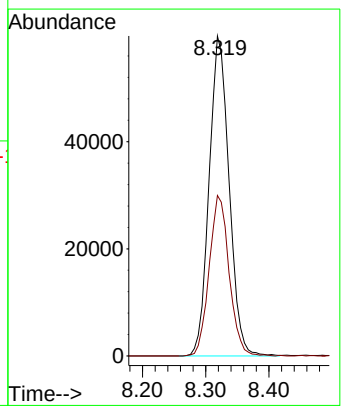


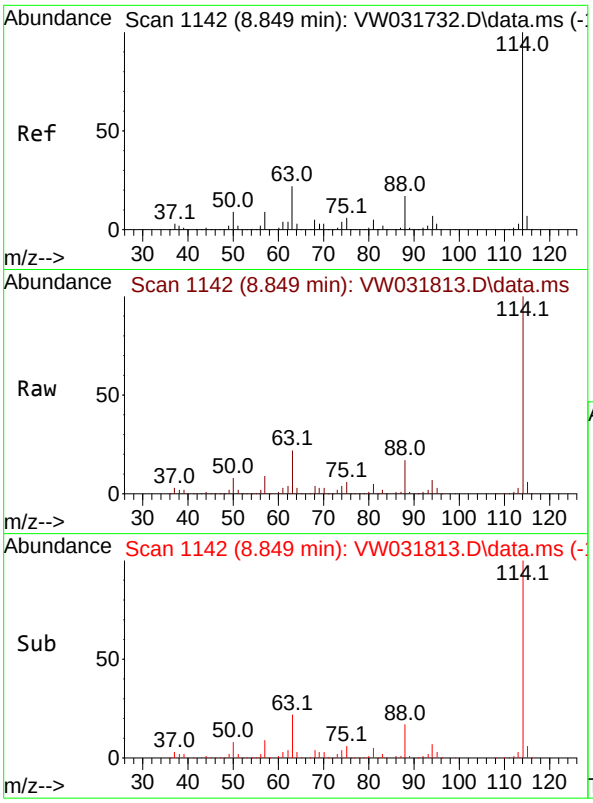


#33
1,2-Dichloroethane-d4
Concen: 55.842 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion: 65 Resp: 131087

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.4



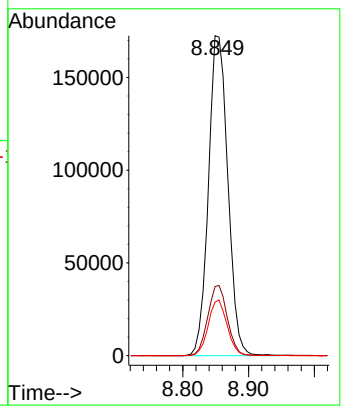


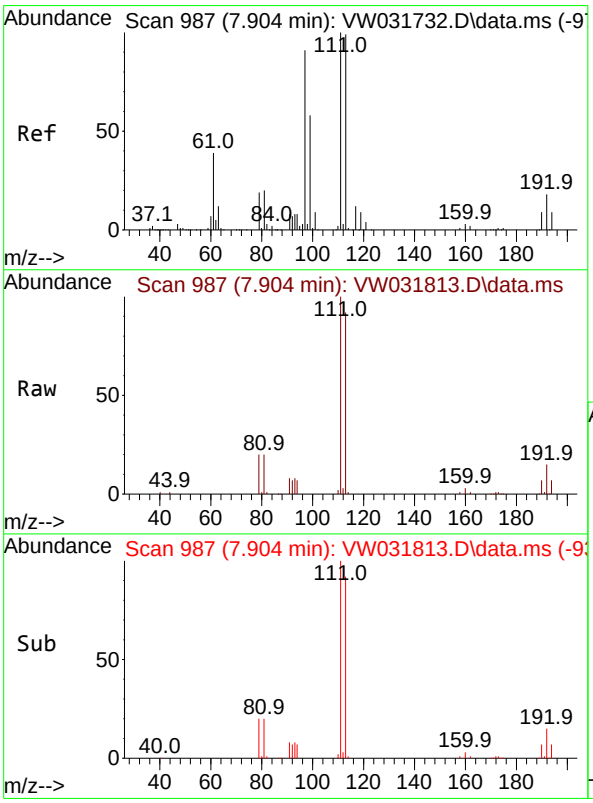
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Tgt Ion:114 Resp: 353977

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.6
88	16.8	0.0	34.2

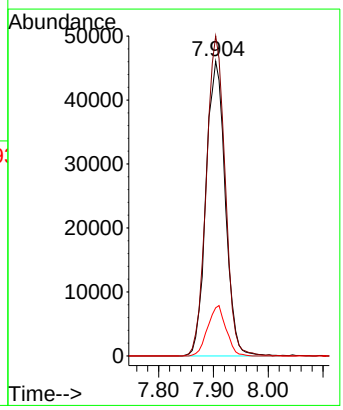


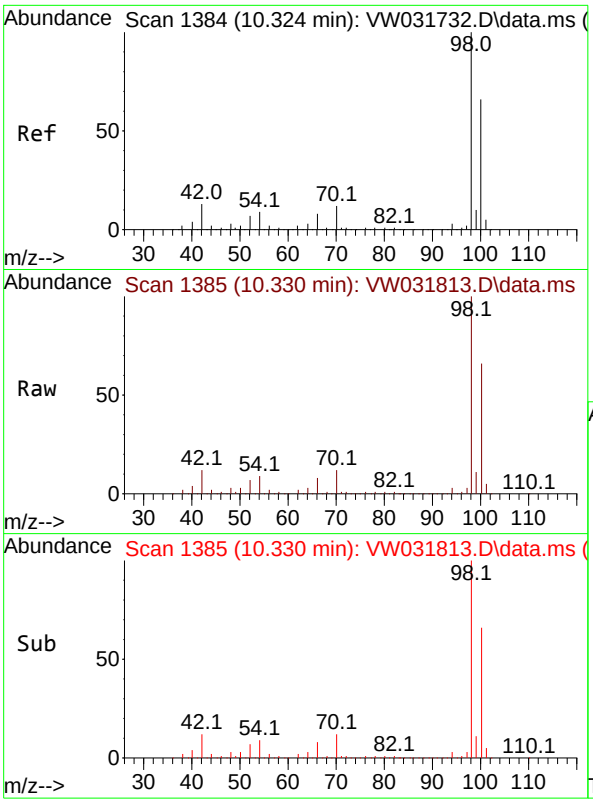


#35
Dibromofluoromethane
Concen: 48.515 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion:113 Resp: 112062

Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.1	123.1
192	16.3	13.8	20.6



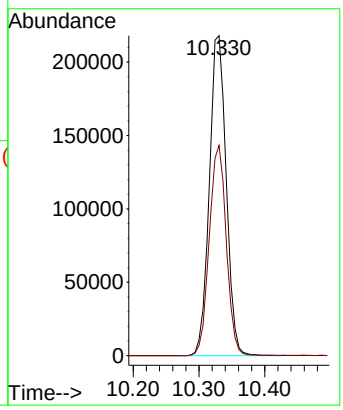


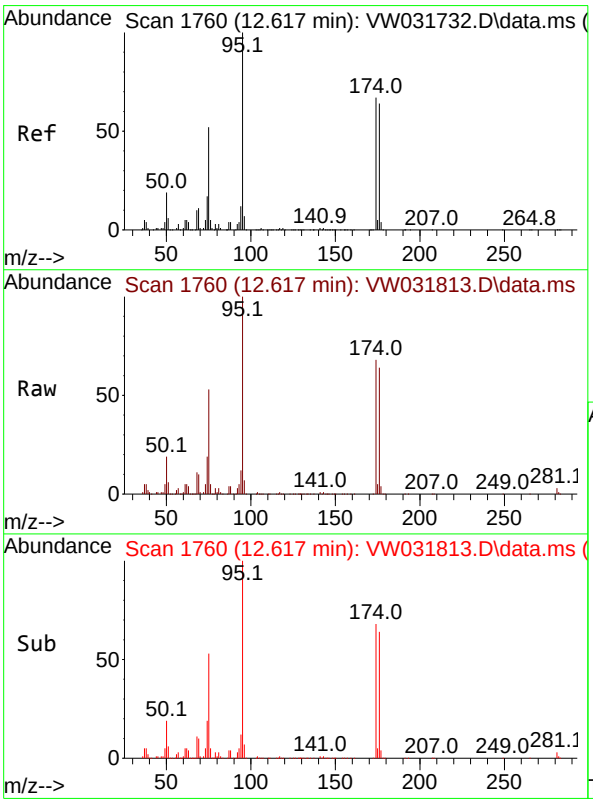
#50
Toluene-d8
Concen: 45.320 ug/l
RT: 10.330 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Tgt Ion: 98 Resp: 389564

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

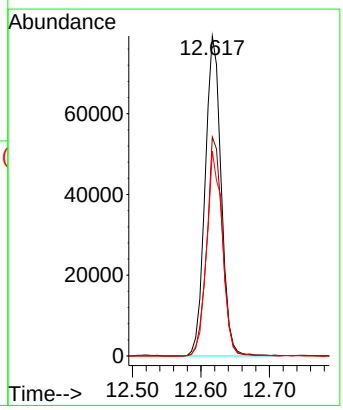


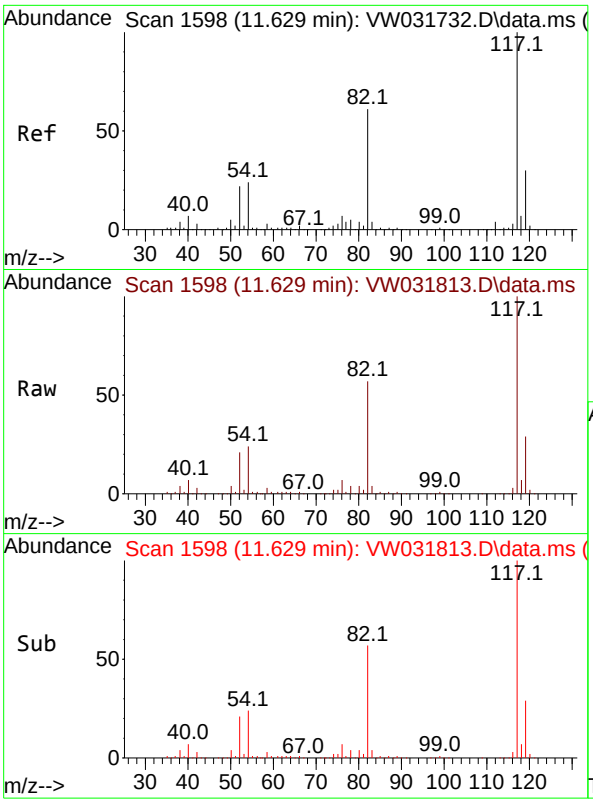


#62
4-Bromofluorobenzene
Concen: 40.720 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion: 95 Resp: 128810

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	133.8
176	63.3	0.0	126.0



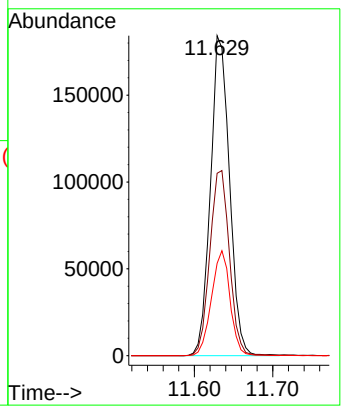


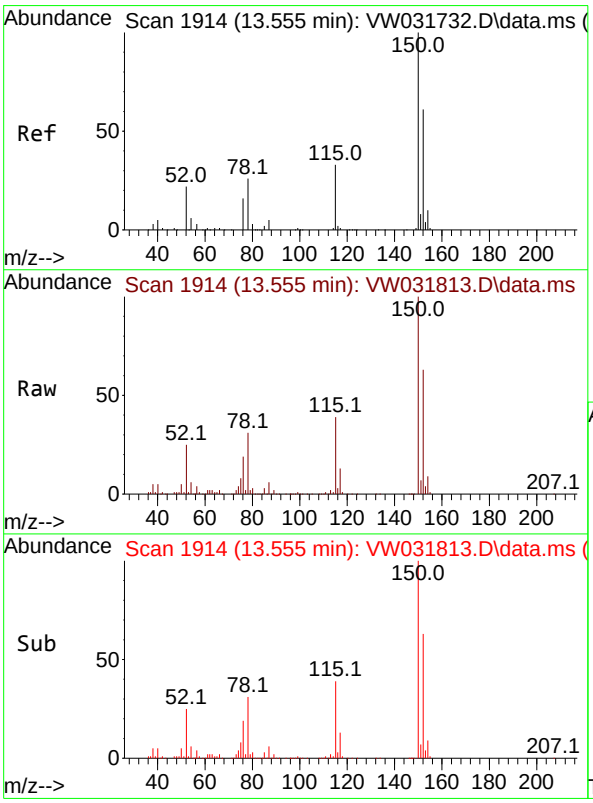
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Denali-070925

Tgt Ion:117 Resp: 311203

Ion	Ratio	Lower	Upper
117	100		
82	57.0	48.6	72.8
119	28.9	23.9	35.9

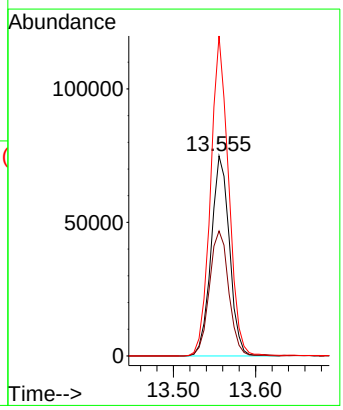




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031813.D
Acq: 10 Jul 2025 18:53

Tgt Ion:152 Resp: 115898

Ion	Ratio	Lower	Upper
152	100		
115	65.7	31.9	95.7
150	157.0	0.0	356.4



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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.7
Sample Wt/Vol:	5.33 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
VW031814.D	1	07/10/25 19:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0048	U	0.0014	0.0048	0.0060	mg/Kg
74-87-3	Chloromethane	0.0030	U	0.0014	0.0030	0.0060	mg/Kg
75-01-4	Vinyl Chloride	0.0030	U	0.00094	0.0030	0.0060	mg/Kg
74-83-9	Bromomethane	0.0048	U	0.0013	0.0048	0.0060	mg/Kg
75-00-3	Chloroethane	0.0030	U	0.0015	0.0030	0.0060	mg/Kg
109-99-9	Tetrahydrofuran	0.015	U	0.0056	0.015	0.030	mg/Kg
75-69-4	Trichlorofluoromethane	0.0048	U	0.0014	0.0048	0.0060	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0030	U	0.0013	0.0030	0.0060	mg/Kg
75-35-4	1,1-Dichloroethene	0.0030	U	0.0012	0.0030	0.0060	mg/Kg
107-13-1	Acrylonitrile	0.015	U	0.0059	0.015	0.030	mg/Kg
67-64-1	Acetone	0.024	U	0.0056	0.024	0.030	mg/Kg
75-15-0	Carbon Disulfide	0.0048	U	0.0013	0.0048	0.0060	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0030	U	0.00087	0.0030	0.0060	mg/Kg
75-09-2	Methylene Chloride	0.0095	U	0.0042	0.0095	0.012	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0030	U	0.0010	0.0030	0.0060	mg/Kg
75-34-3	1,1-Dichloroethane	0.0030	U	0.00095	0.0030	0.0060	mg/Kg
78-93-3	2-Butanone	0.024	U	0.0078	0.024	0.030	mg/Kg
56-23-5	Carbon Tetrachloride	0.0030	U	0.0012	0.0030	0.0060	mg/Kg
594-20-7	2,2-Dichloropropane	0.0048	U	0.0015	0.0048	0.0060	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0030	U	0.00089	0.0030	0.0060	mg/Kg
67-66-3	Chloroform	0.0048	U	0.0010	0.0048	0.0060	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0030	U	0.0011	0.0030	0.0060	mg/Kg
563-58-6	1,1-Dichloropropene	0.0030	U	0.0010	0.0030	0.0060	mg/Kg
71-43-2	Benzene	0.0030	U	0.00094	0.0030	0.0060	mg/Kg
107-06-2	1,2-Dichloroethane	0.0030	U	0.00094	0.0030	0.0060	mg/Kg
79-01-6	Trichloroethene	0.0030	U	0.00097	0.0030	0.0060	mg/Kg
78-87-5	1,2-Dichloropropane	0.0030	U	0.0011	0.0030	0.0060	mg/Kg
74-95-3	Dibromomethane	0.0030	U	0.0011	0.0030	0.0060	mg/Kg
75-27-4	Bromodichloromethane	0.0030	U	0.00093	0.0030	0.0060	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.015	U	0.0043	0.015	0.030	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:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.7
Sample Wt/Vol:	5.33 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
VW031814.D	1	07/10/25 19:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0030	U	0.00093	0.0030	0.0060	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0030	U	0.00077	0.0030	0.0060	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0030	U	0.00074	0.0030	0.0060	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0030	U	0.0011	0.0030	0.0060	mg/Kg
142-28-9	1,3-Dichloropropane	0.0030	U	0.00081	0.0030	0.0060	mg/Kg
591-78-6	2-Hexanone	0.015	U	0.0044	0.015	0.030	mg/Kg
124-48-1	Dibromochloromethane	0.0030	U	0.0010	0.0030	0.0060	mg/Kg
106-93-4	1,2-Dibromoethane	0.0030	U	0.0010	0.0030	0.0060	mg/Kg
127-18-4	Tetrachloroethene	0.0030	U	0.0013	0.0030	0.0060	mg/Kg
108-90-7	Chlorobenzene	0.0030	U	0.0011	0.0030	0.0060	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0030	U	0.00092	0.0030	0.0060	mg/Kg
100-41-4	Ethyl Benzene	0.0030	U	0.00080	0.0030	0.0060	mg/Kg
179601-23-1	m/p-Xylenes	0.0060	U	0.0015	0.0060	0.012	mg/Kg
1330-20-7	Total Xylenes	0.0090	U	0.0025	0.0090	0.018	mg/Kg
95-47-6	o-Xylene	0.0030	U	0.00098	0.0030	0.0060	mg/Kg
100-42-5	Styrene	0.0030	U	0.00085	0.0030	0.0060	mg/Kg
75-25-2	Bromoform	0.0030	U	0.0010	0.0030	0.0060	mg/Kg
98-82-8	Isopropylbenzene	0.0030	U	0.00093	0.0030	0.0060	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0030	U	0.0014	0.0030	0.0060	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0048	U	0.0015	0.0048	0.0060	mg/Kg
108-86-1	Bromobenzene	0.0030	U	0.0014	0.0030	0.0060	mg/Kg
103-65-1	n-propylbenzene	0.0030	U	0.00087	0.0030	0.0060	mg/Kg
95-49-8	2-Chlorotoluene	0.0030	U	0.00081	0.0030	0.0060	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0030	U	0.00098	0.0030	0.0060	mg/Kg
106-43-4	4-Chlorotoluene	0.0030	U	0.0015	0.0030	0.0060	mg/Kg
98-06-6	tert-Butylbenzene	0.0030	U	0.00080	0.0030	0.0060	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0030	U	0.00076	0.0030	0.0060	mg/Kg
135-98-8	sec-Butylbenzene	0.0030	U	0.00079	0.0030	0.0060	mg/Kg
99-87-6	p-Isopropyltoluene	0.0030	U	0.00074	0.0030	0.0060	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0030	U	0.0020	0.0030	0.0060	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0030	U	0.0019	0.0030	0.0060	mg/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.7
Sample Wt/Vol:	5.33 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
VW031814.D	1	07/10/25 19:15	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0030	U	0.0017	0.0030	0.0060	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0030	U	0.0017	0.0030	0.0060	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0048	U	0.0022	0.0048	0.0060	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0048	U	0.0035	0.0048	0.0060	mg/Kg
87-68-3	Hexachlorobutadiene	0.0030	U	0.0023	0.0030	0.0060	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0048	U	0.0038	0.0048	0.0060	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0030	U	0.0013	0.0030	0.0060	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		78 - 119		89%	SPK: 50
2037-26-5	Toluene-d8	42.9		85 - 116		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		79 - 119		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	168000	7.965				
540-36-3	1,4-Difluorobenzene	374000	8.855				
3114-55-4	Chlorobenzene-d5	340000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	138000	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\VW071025\
Data File : VW031814.D
Acq On : 10 Jul 2025 19:15
Operator : SY/MD
Sample : Q2558-03
Misc : 5.33g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Time: Jul 11 02:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	167602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	373968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	339893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121434	50.486	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.980%			
35) Dibromofluoromethane	7.904	113	108538	44.477	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 88.960%			
50) Toluene-d8	10.331	98	390012	42.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 85.900%			
62) 4-Bromofluorobenzene	12.617	95	134584	40.271	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 80.540%			

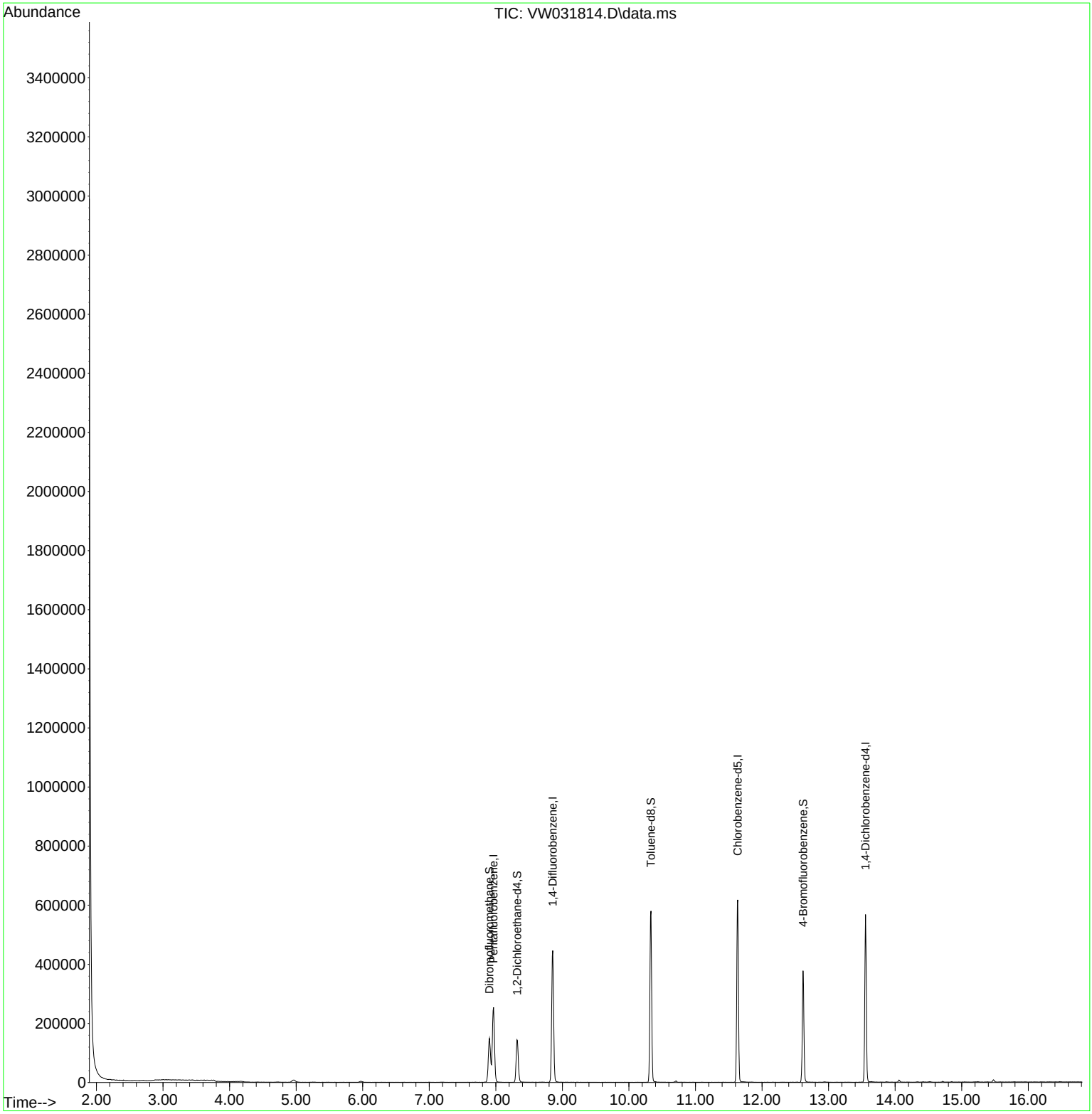
Target Compounds Qvalue

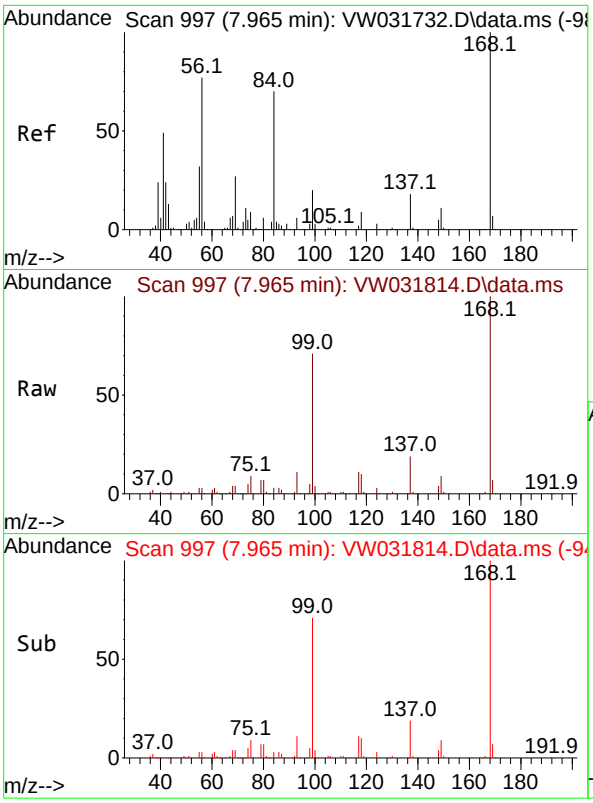
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031814.D
Acq On : 10 Jul 2025 19:15
Operator : SY/MD
Sample : Q2558-03
Misc : 5.33g/5mL/MSVOA_W/SOIL/A
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Time: Jul 11 02:26:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



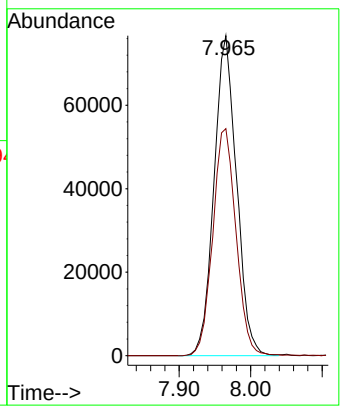


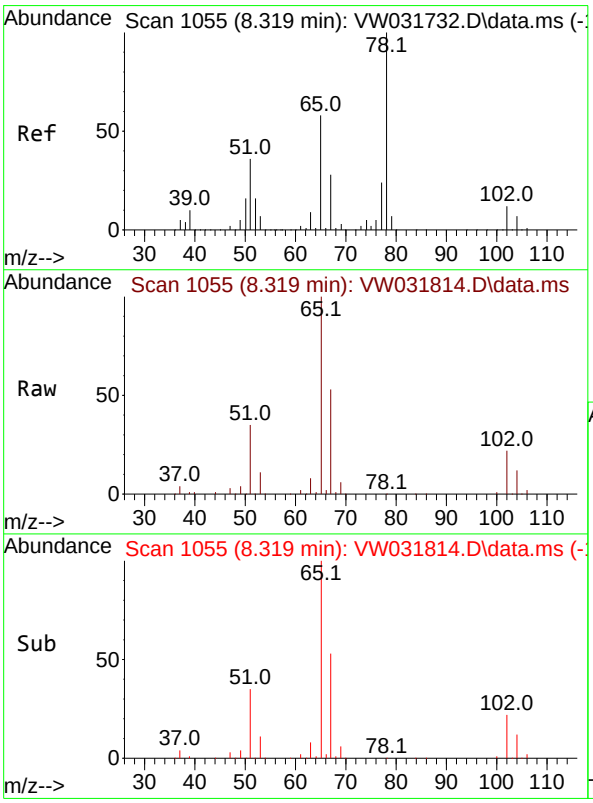
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:168 Resp: 167602

Ion	Ratio	Lower	Upper
168	100		
99	70.9	49.4	74.2

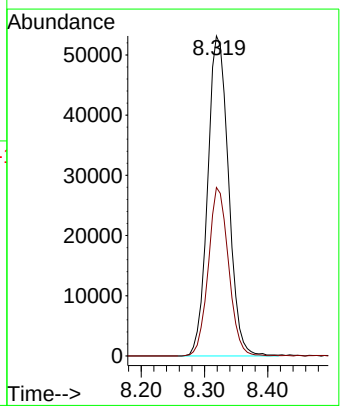


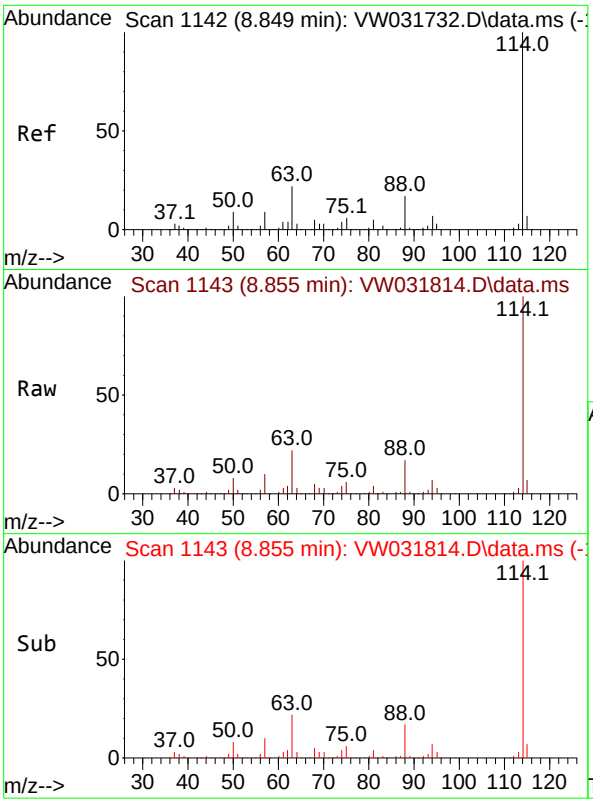


#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 65 Resp: 121434

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.4



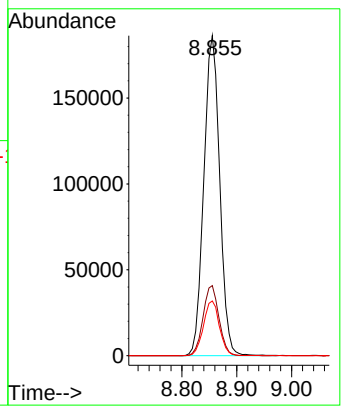


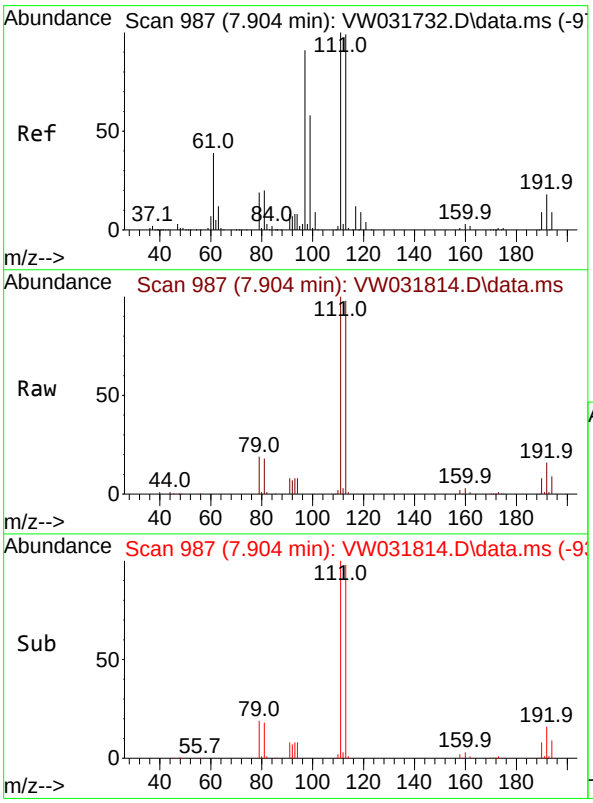
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:114 Resp: 373968

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.6
88	17.1	0.0	34.2

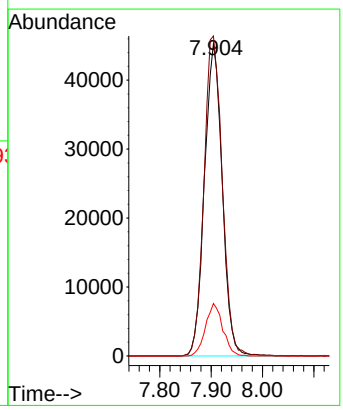


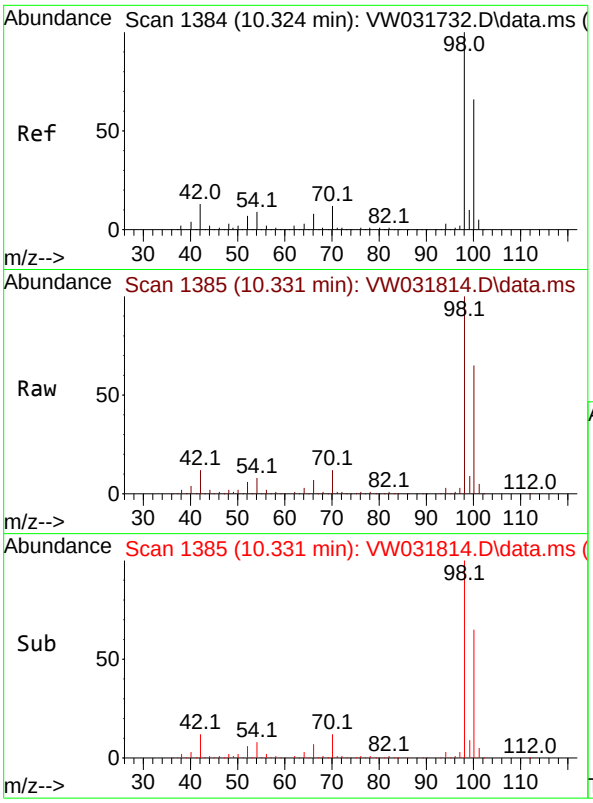


#35
Dibromofluoromethane
Concen: 44.477 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion:113 Resp: 108538

Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.1	123.1
192	16.4	13.8	20.6



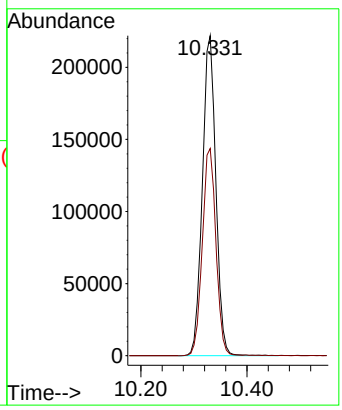


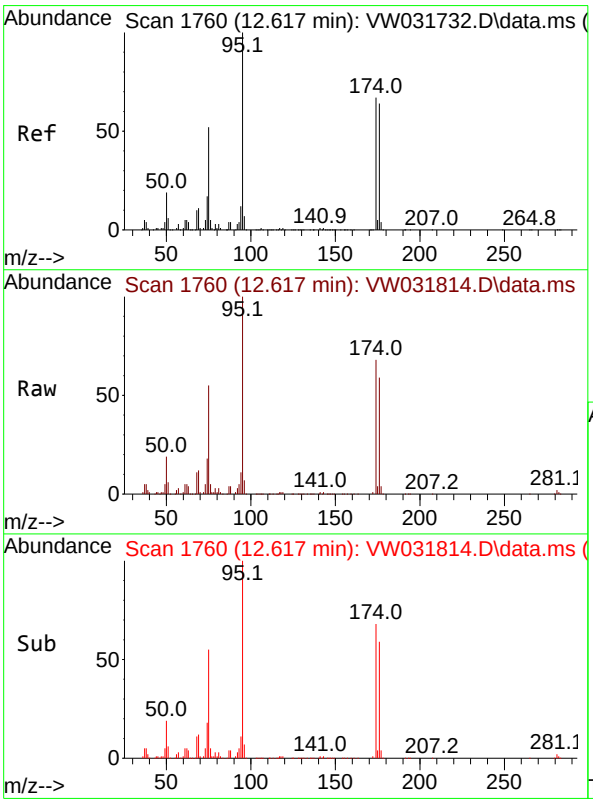
#50
Toluene-d8
Concen: 42.947 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion: 98 Resp: 390012

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

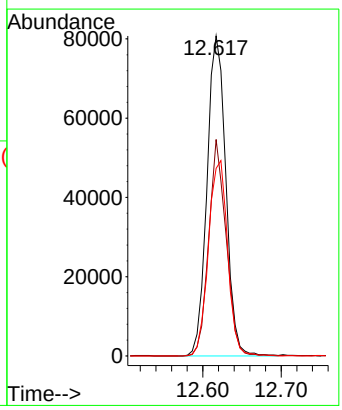


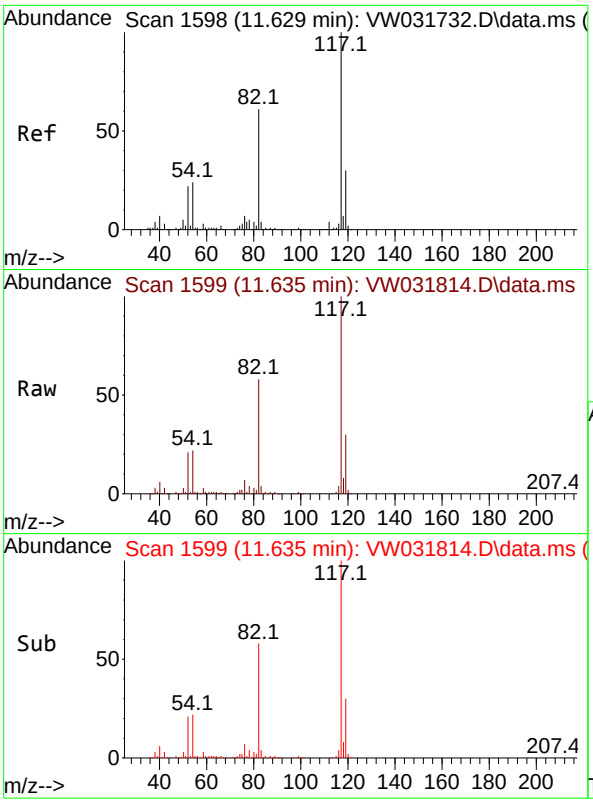


#62
4-Bromofluorobenzene
Concen: 40.271 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 95 Resp: 134584

Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	133.8
176	62.4	0.0	126.0



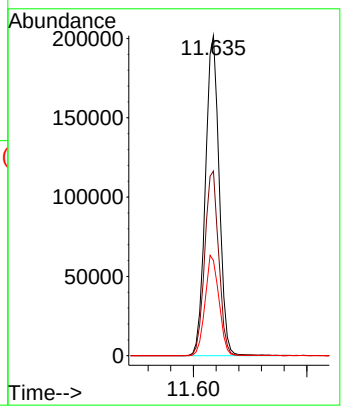


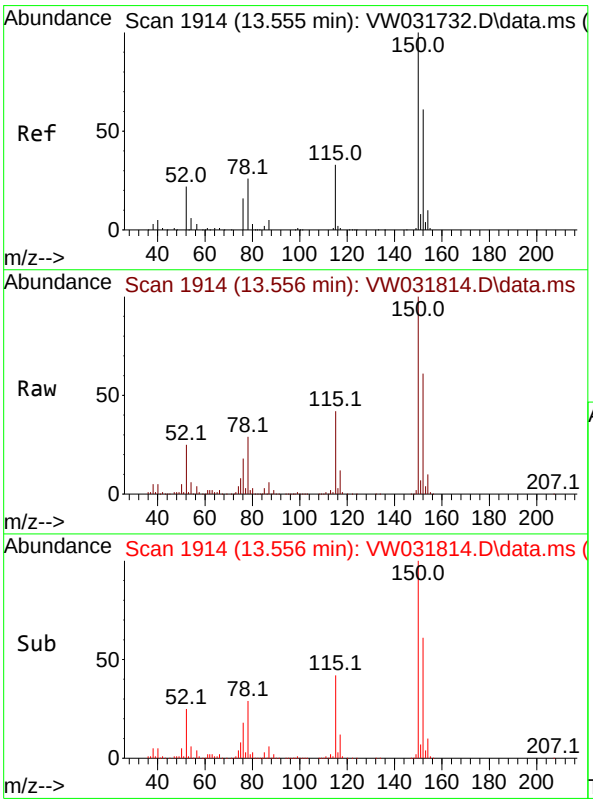
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:117 Resp: 339893

Ion	Ratio	Lower	Upper
117	100		
82	57.7	48.6	72.8
119	29.7	23.9	35.9

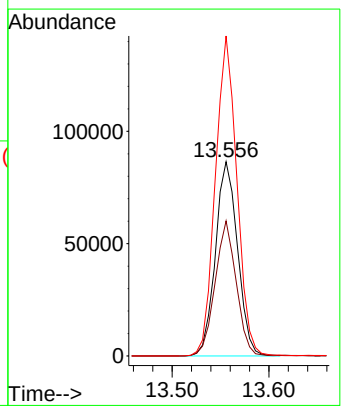




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion:152 Resp: 137532

Ion	Ratio	Lower	Upper
152	100		
115	66.3	31.9	95.7
150	160.3	0.0	356.4



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2558

Instrument ID: MSVOA_W | Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1
Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.6
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4
Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.7
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2
2,2-Dichloropropane	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.2
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1
1,1-Dichloropropene	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7
Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.1
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: NOBI03

Lab Code: ACE SDG No.: Q2558

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4
1,3-Dichloropropane	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.5
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4
1,1,1,2-Tetrachloroethane	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2
1,2,3-Trichloropropane	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.6
Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.7
n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.7
2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.1
1,3,5-Trimethylbenzene	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.4
4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.4
tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.7
1,2,4-Trimethylbenzene	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.2
sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.9
p-Isopropyltoluene	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.1
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4

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

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.: Q2558

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	3.127	3.110	3.134	3.176	3.389	3.511	3.241	5.2
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5
Hexachlorobutadiene	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.7
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4
trans-1,4-Dichloro-2-butene	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.6

* 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 : 82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025
Response Via : Initial Calibration

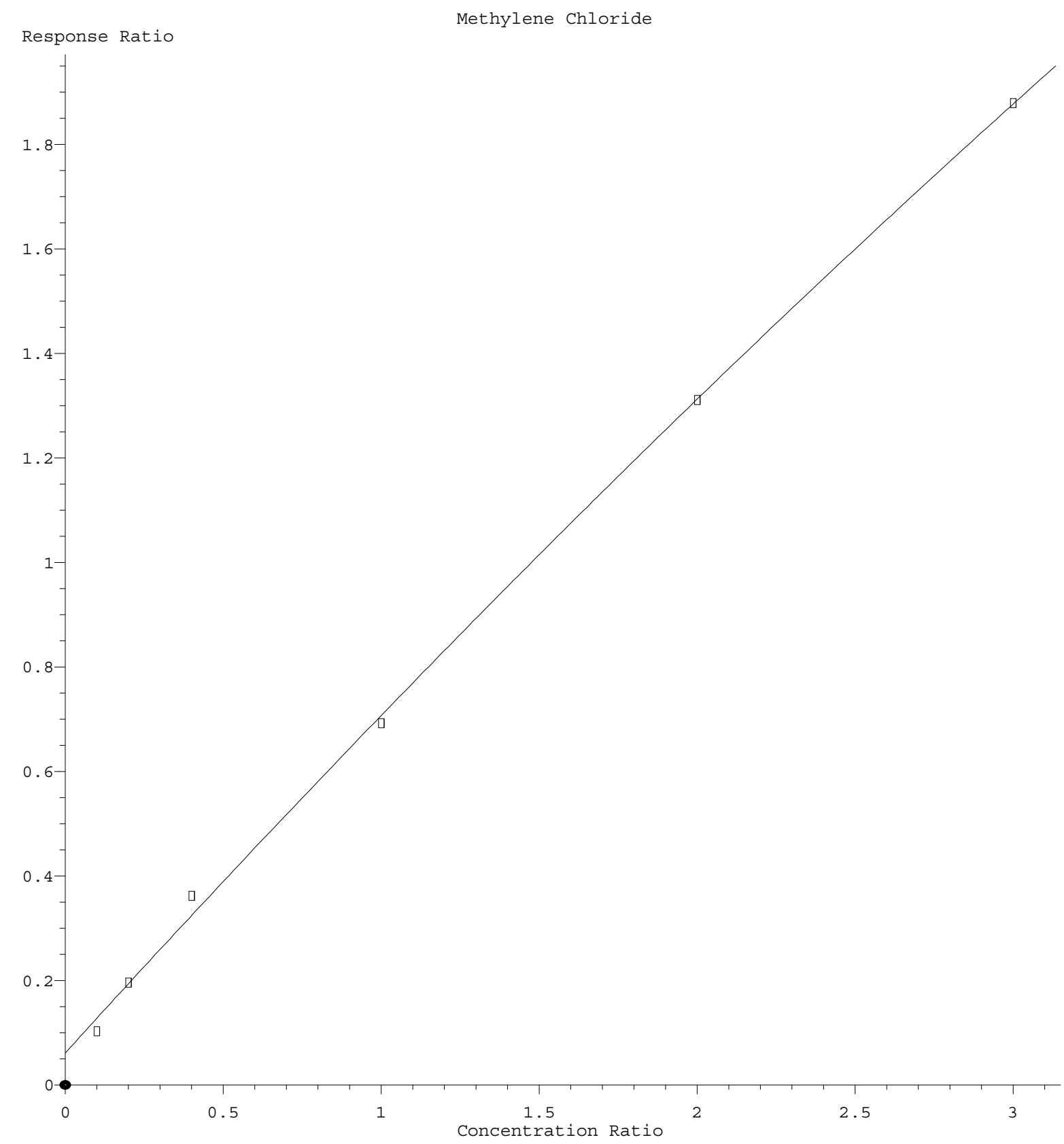
Calibration Files
5 =VW031729.D 10 =VW031730.D 20 =VW031731.D 50 =VW031732.D 100 =VW031733.D 150 =VW031734.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.35
3)	P	Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.13
4)	C	Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4.02#
5)	T	Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.94
6)	T	Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.11
7)	T	Trichlorofluor...	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.71
8)	T	Diethyl Ether	0.399	0.413	0.383	0.356	0.343	0.340	0.372	8.22
9)	T	1,1,2-Trichlor...	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.39
10)	T	Methyl Iodide	0.854	0.846	0.880	0.816	0.814	0.821	0.839	3.11
11)	T	Tert butyl alc...	0.043	0.046	0.042	0.047	0.043	0.045	0.044	4.04
12)	CM	1,1-Dichloroet...	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.43#
13)	T	Acrolein	0.072	0.086	0.082	0.083	0.078	0.078	0.080	6.20
14)	T	Allyl chloride	0.883	0.905	0.938	0.896	0.919	0.945	0.914	2.65
15)	T	Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.68
16)	T	Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.84
17)	T	Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.54
18)	T	Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.57
19)	T	Methyl tert-bu...	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.27
20)	T	Methylene Chlo...	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.75
21)	T	trans-1,2-Dich...	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.92
22)	T	Diisopropyl ether	1.706	1.791	1.872	1.795	1.764	1.769	1.783	3.03
23)	T	Vinyl Acetate	1.111	1.178	1.240	1.256	1.246	1.276	1.218	5.09
24)	P	1,1-Dichloroet...	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.07
25)	T	2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.56
26)	T	2,2-Dichloropr...	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.18
27)	T	cis-1,2-Dichlo...	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.52
28)	T	Bromochloromet...	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.68
29)	T	Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.55
30)	C	Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.17#
31)	T	Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.87
32)	T	1,1,1-Trichlor...	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.09
33)	S	1,2-Dichloroet...	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.63
36)	T	1,1-Dichloropr...	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3.03
37)	T	Ethyl Acetate	0.314	0.299	0.305	0.303	0.281	0.285	0.298	4.14
38)	T	Carbon Tetrach...	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.16
39)	T	Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.59
40)	TM	Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.36
41)	T	Methacrylonitrile	0.151	0.151	0.153	0.174	0.161	0.167	0.160	6.03
42)	TM	1,2-Dichloroet...	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.69
43)	T	Isopropyl Acetate	0.480	0.509	0.516	0.535	0.514	0.527	0.513	3.71
44)	TM	Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.07
45)	C	1,2-Dichloropr...	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.67#
46)	T	Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.08
47)	T	Bromodichlorom...	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.39
48)	T	Methyl methacr...	0.230	0.266	0.246	0.261	0.255	0.256	0.252	5.06
49)	T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.002	0.003	7.16
50)	S	Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.67
51)	T	4-Methyl-2-Pen...	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.54
52)	CM	Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.67#
53)	T	t-1,3-Dichloro...	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.74
54)	T	cis-1,3-Dichlo...	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.09
55)	T	1,1,2-Trichlor...	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4.04
56)	T	Ethyl methacry...	0.355	0.366	0.381	0.410	0.402	0.410	0.387	6.08

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W063025S.M

57)	T	1,3-Dichloropr...	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.47
58)	T	2-Chloroethyl ...	0.196	0.199	0.220	0.225	0.223	0.216	0.213	5.93
59)	T	2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.63
60)	T	Dibromochlorom...	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3.04
61)	T	1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.66
62)	S	4-Bromofluorob...	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.38
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.15
65)	PM	Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.41
66)	T	1,1,1,2-Tetrac...	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2.00
67)	C	Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.33#
68)	T	m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.58
69)	T	o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.72
70)	T	Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.10
71)	P	Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.07
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.38
74)	T	N-amyl acetate	0.934	0.970	0.953	1.067	1.096	1.132	1.025	8.11
75)	P	1,1,2,2-Tetrac...	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.16
76)	T	1,2,3-Trichlor...	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.56
77)	T	Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.72
78)	T	n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.74
79)	T	2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.14
80)	T	1,3,5-Trimethy...	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.35
81)	T	trans-1,4-Dich...	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.55
82)	T	4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.43
83)	T	tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.73
84)	T	1,2,4-Trimethy...	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.20
85)	T	sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.90
86)	T	p-Isopropyltol...	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.10
87)	T	1,3-Dichlorobe...	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.55
88)	T	1,4-Dichlorobe...	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.40
89)	T	n-Butylbenzene	3.126	3.110	3.134	3.176	3.389	3.511	3.241	5.17
90)	T	Hexachloroethane	0.573	0.567	0.566	0.592	0.638	0.675	0.602	7.45
91)	T	1,2-Dichlorobe...	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.20
92)	T	1,2-Dibromo-3-...	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.55
93)	T	1,2,4-Trichlor...	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5.03
94)	T	Hexachlorobuta...	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.67
95)	T	Naphthalene	2.185	2.107	2.155	2.395	2.610	2.653	2.351	10.17
96)	T	1,2,3-Trichlor...	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5.04

(#) = Out of Range



R = -2.021e-002 A*A + 6.660e-001 A + 6.133e-002
Coef of Det (r^2) = 0.999086 Curve Fit: Quadratic
Method File: C:\chemsrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Calibration Table Last Updated: Tue Jul 01 03:35:17 2025

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.180%#			
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.880%#			
50) Toluene-d8	10.331	98	46017	4.615	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.220%#			
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.760%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l		100
3) Chloromethane	2.247	50	9357	4.977	ug/l		98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l		98
5) Bromomethane	2.820	94	9829	5.092	ug/l	#	78
6) Chloroethane	2.966	64	8474	5.048	ug/l	#	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l		95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l		84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l		98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l		98
11) Tert butyl alcohol	5.222	59	4942m	24.274	ug/l		
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l		93
13) Acrolein	3.936	56	8223	22.472	ug/l	#	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l		98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l		97
16) Acetone	4.161	43	27204m	33.285	ug/l		
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l	#	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l		99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l		94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l		96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l		98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l	#	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l		100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l		98
25) 2-Butanone	7.197	43	25644	24.268	ug/l		96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l		97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l		99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l	#	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l		99
30) Chloroform	7.691	83	28162	5.007	ug/l		97
31) Cyclohexane	7.965	56	26905	5.750	ug/l	#	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l		96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l		98
37) Ethyl Acetate	7.276	43	12878m	5.265	ug/l		
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l		97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l		94
40) Benzene	8.337	78	57889	5.046	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724	ug/l	#	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194	ug/l		99
43) Isopropyl Acetate	8.441	43	19704	4.673	ug/l		97
44) Trichloroethene	9.105	130	14112	4.928	ug/l		98
45) 1,2-Dichloropropane	9.374	63	14286	5.152	ug/l		95
46) Dibromomethane	9.465	93	9383	5.242	ug/l		98
47) Bromodichloromethane	9.654	83	20888	4.976	ug/l		98
48) Methyl methacrylate	9.441	41	9461	4.563	ug/l		98
49) 1,4-Dioxane	9.471	88	2322m	121.843	ug/l		
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143	ug/l		100
52) Toluene	10.392	92	36200	4.928	ug/l		96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508	ug/l		95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724	ug/l		93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239	ug/l		95
56) Ethyl methacrylate	10.648	69	14584	4.584	ug/l		97
57) 1,3-Dichloropropane	10.934	76	21432	5.206	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989	ug/l		99
59) 2-Hexanone	10.971	43	37987	23.125	ug/l		96
60) Dibromochloromethane	11.129	129	13506	4.817	ug/l		98
61) 1,2-Dibromoethane	11.239	107	11844	5.046	ug/l		99
64) Tetrachloroethene	10.867	164	11991	5.068	ug/l		95
65) Chlorobenzene	11.654	112	40816	5.114	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935	ug/l		96
67) Ethyl Benzene	11.733	91	67293	4.862	ug/l		99
68) m/p-Xylenes	11.837	106	49892	9.378	ug/l		97
69) o-Xylene	12.166	106	22994	4.668	ug/l		98
70) Styrene	12.178	104	38573	4.530	ug/l		96
71) Bromoform	12.349	173	7112	4.688	ug/l	#	96
73) Isopropylbenzene	12.465	105	62409	4.790	ug/l		98
74) N-amyl acetate	12.269	43	15998	4.555	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	11866m	5.361	ug/l		
77) Bromobenzene	12.745	156	15131	5.207	ug/l		89
78) n-propylbenzene	12.800	91	74850	4.797	ug/l		99
79) 2-Chlorotoluene	12.891	91	46542	4.954	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408	ug/l	#	81
82) 4-Chlorotoluene	12.989	91	50283	5.098	ug/l		100
83) tert-Butylbenzene	13.202	119	43370	4.694	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788	ug/l		97
85) sec-Butylbenzene	13.379	105	67046	4.835	ug/l		99
86) p-Isopropyltoluene	13.489	119	53492	4.681	ug/l		98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211	ug/l		92
89) n-Butylbenzene	13.818	91	53555	4.823	ug/l		97
90) Hexachloroethane	14.086	117	9816	4.761	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030	ug/l		97
94) Hexachlorobutadiene	15.226	225	8122	5.120	ug/l		88
95) Naphthalene	15.360	128	37422	4.647	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

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

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

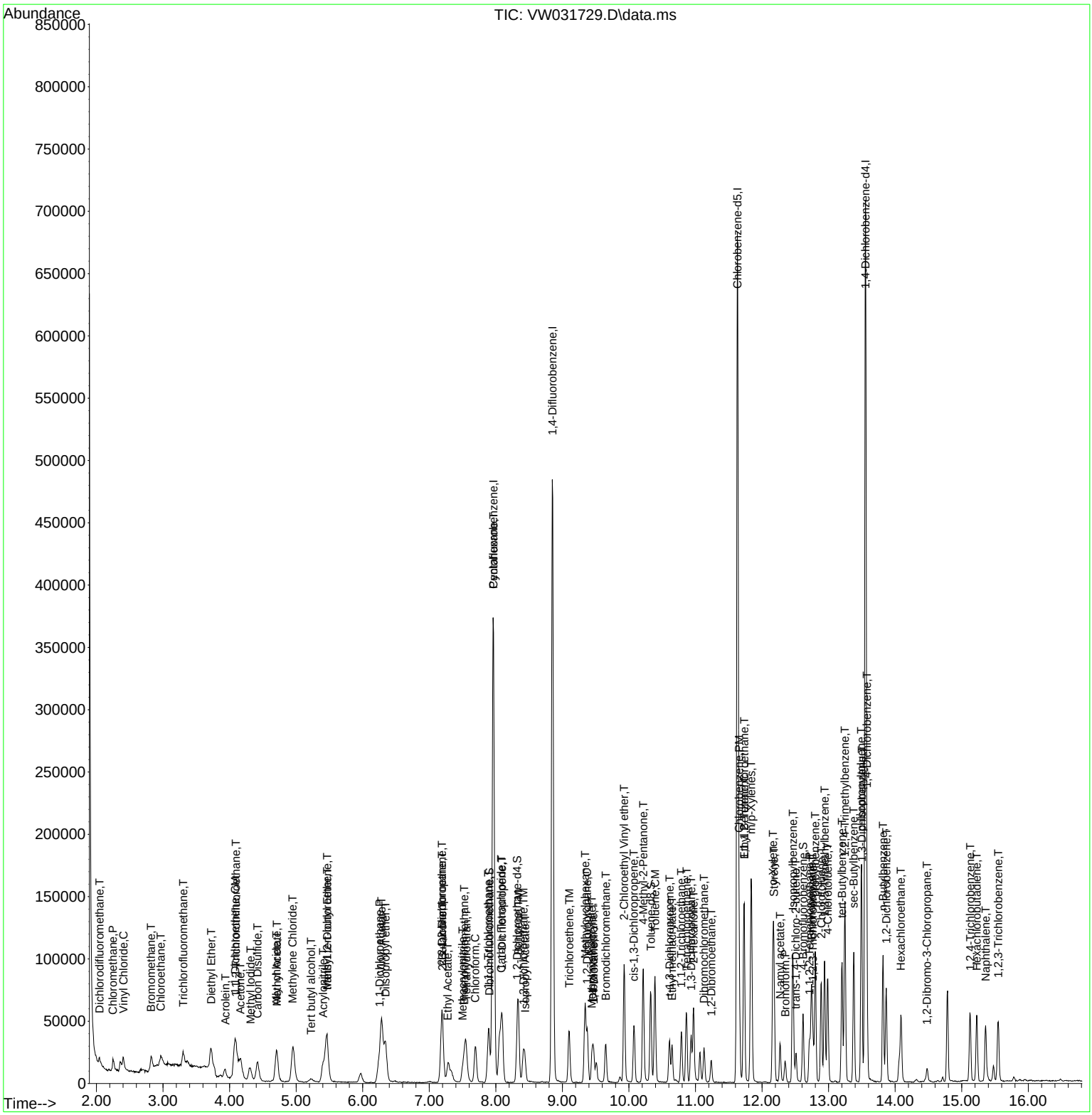
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Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

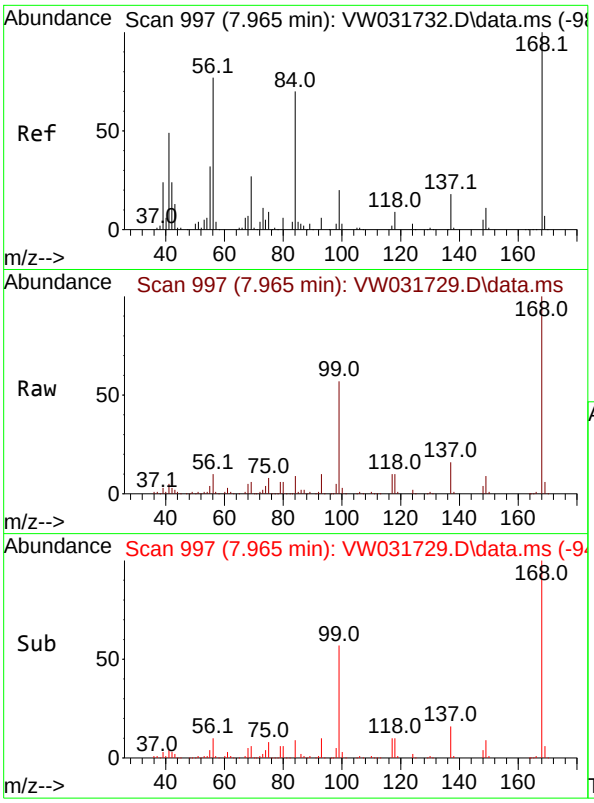
Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

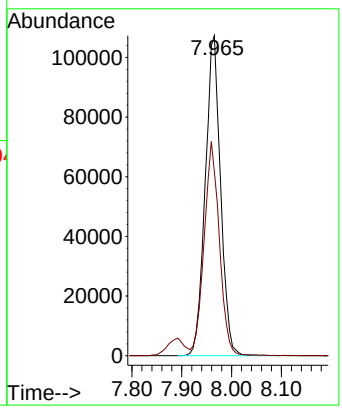




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:168 Resp: 22898

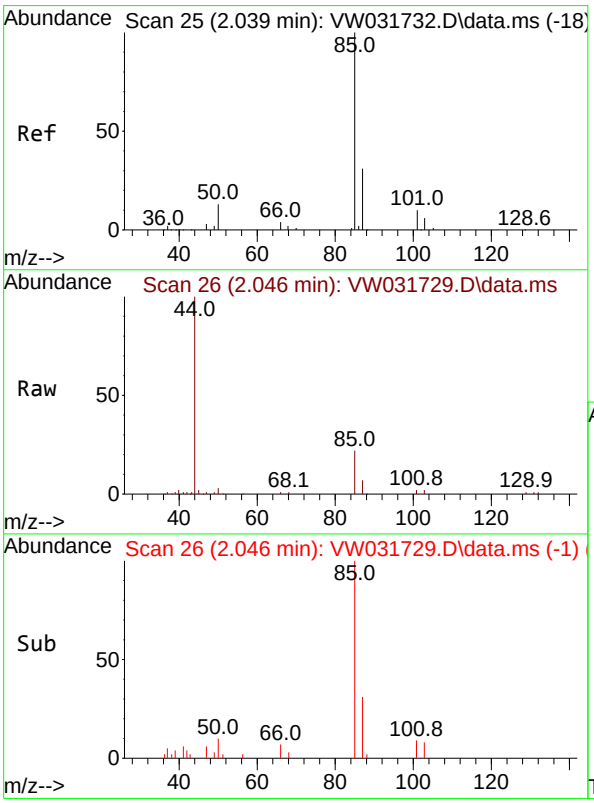
Ion	Ratio	Lower	Upper
168	100		
99	57.4	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

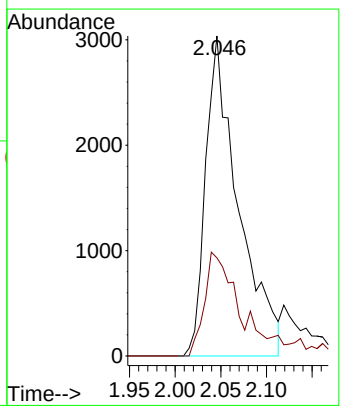
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

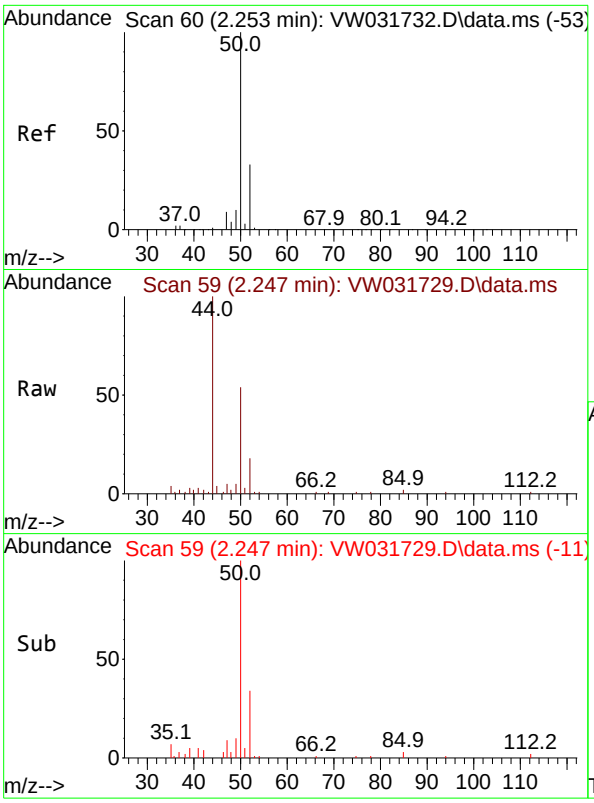


#2
Dichlorodifluoromethane
Concen: 4.849 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 85 Resp: 7562

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.2

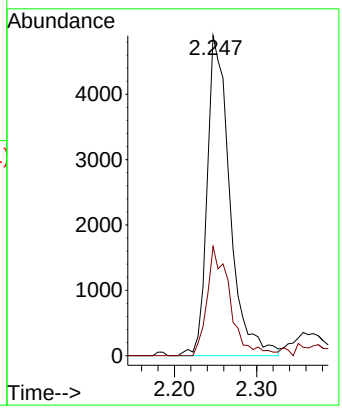




#3
Chloromethane
Concen: 4.977 ug/l
RT: 2.247 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 50 Resp: 935

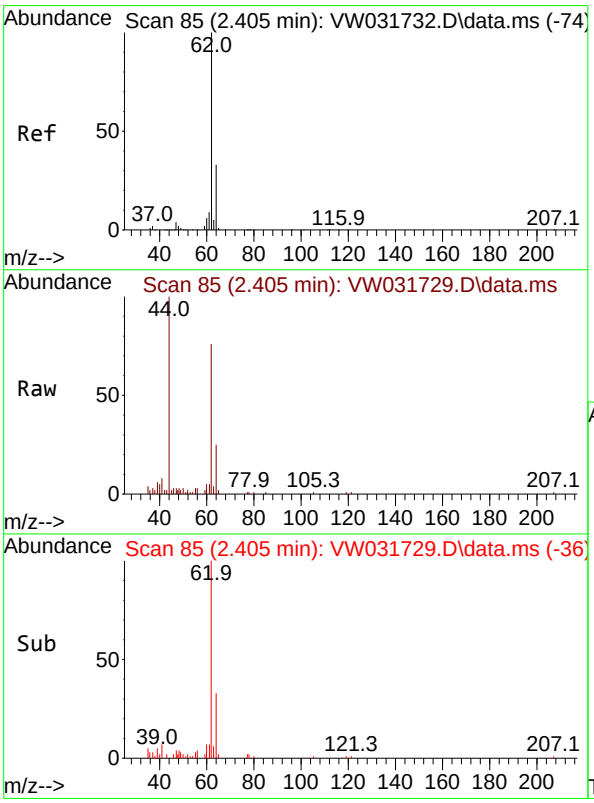
Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

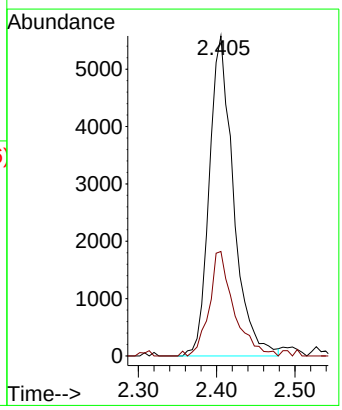
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

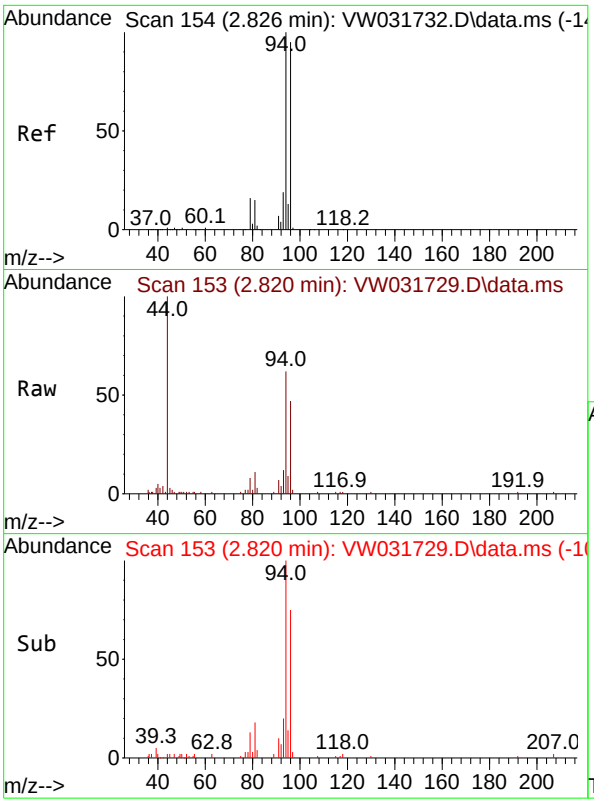


#4
Vinyl Chloride
Concen: 4.844 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 62 Resp: 11970

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.8	40.2

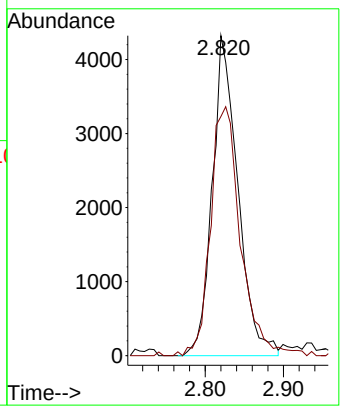




#5
Bromomethane
Concen: 5.092 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 94 Resp: 982

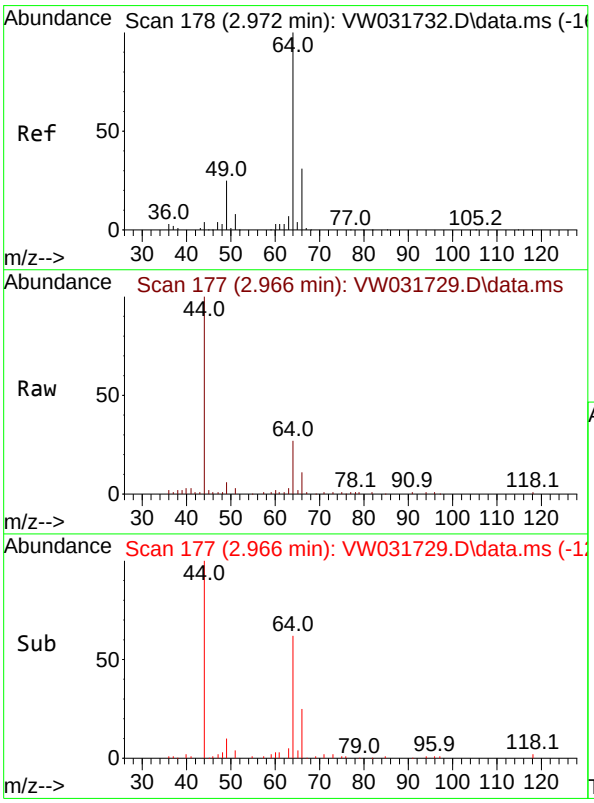
Ion	Ratio	Lower	Upper
94	100		
96	73.5	75.6	113.4#



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

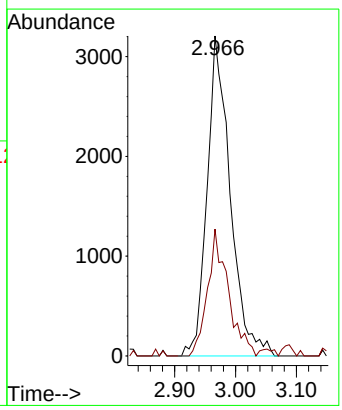
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

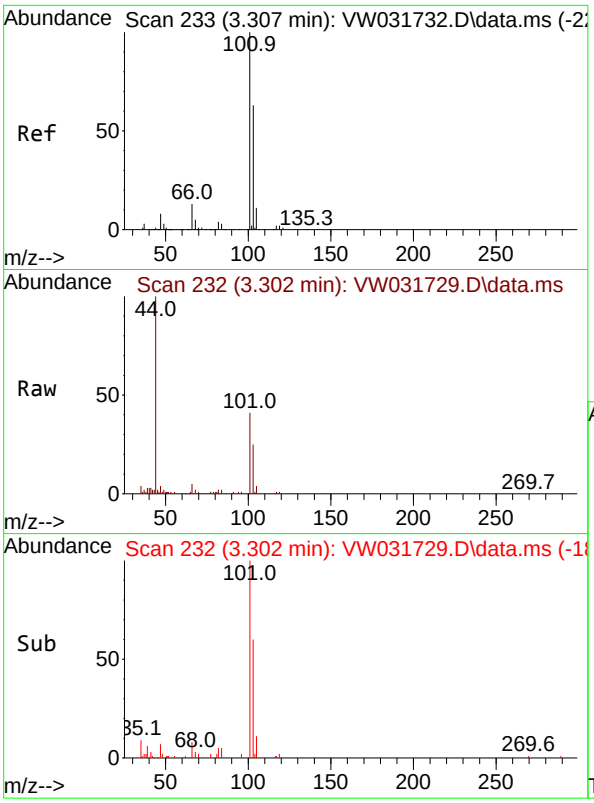


#6
Chloroethane
Concen: 5.048 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 64 Resp: 8474

Ion	Ratio	Lower	Upper
64	100		
66	39.7	24.5	36.7#

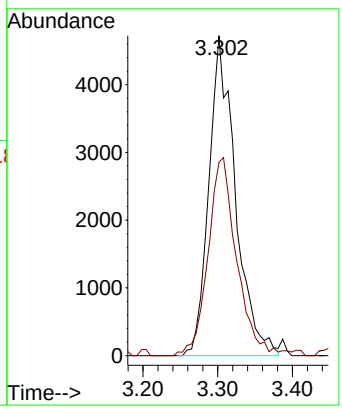




#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:101 Resp: 1165

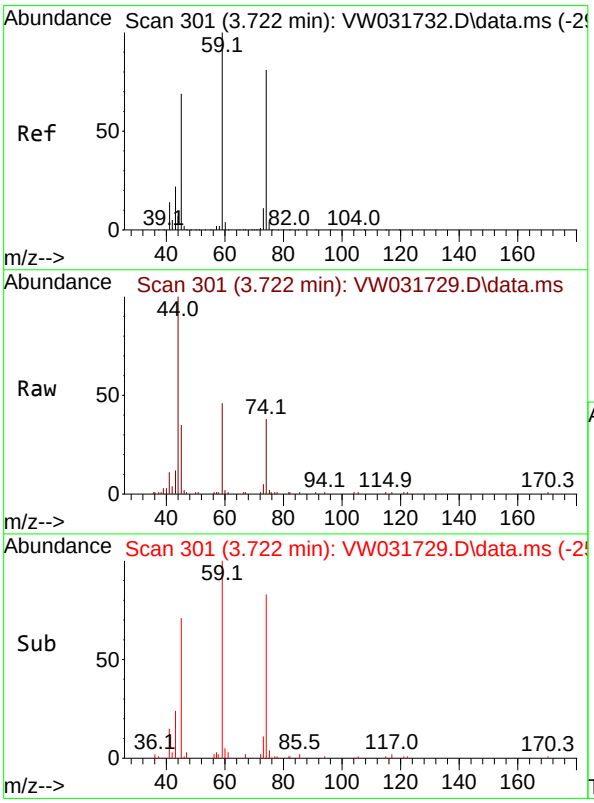
Ion	Ratio	Lower	Upper
101	100		
103	59.3	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

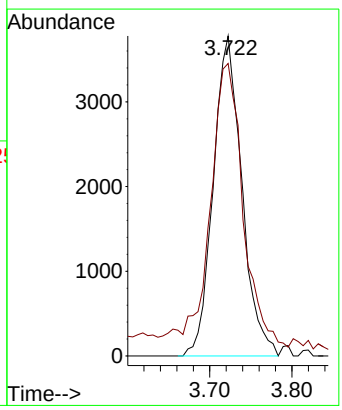
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

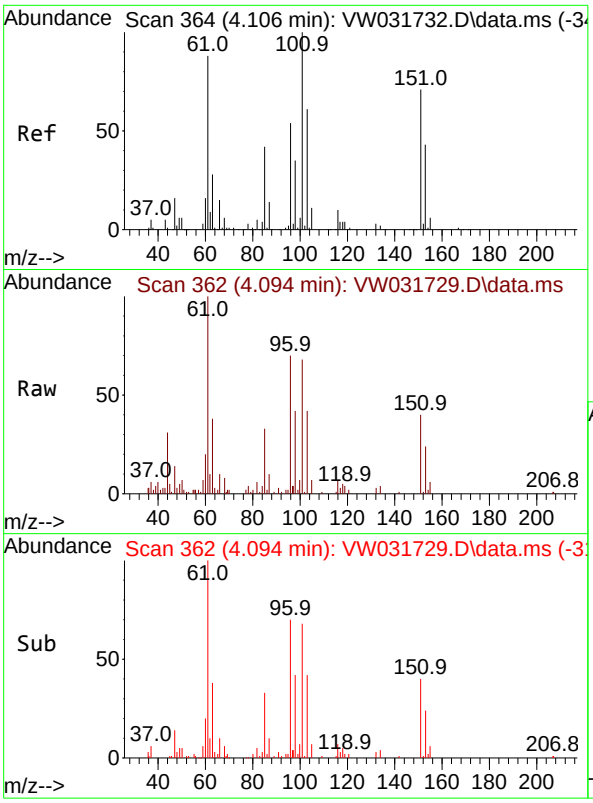


#8
Diethyl Ether
Concen: 5.354 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 74 Resp: 9130

Ion	Ratio	Lower	Upper
74	100		
45	102.7	43.9	131.7

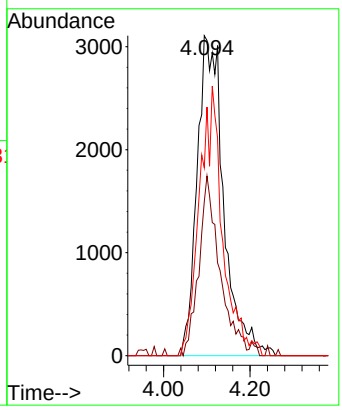




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:101 Resp: 1321

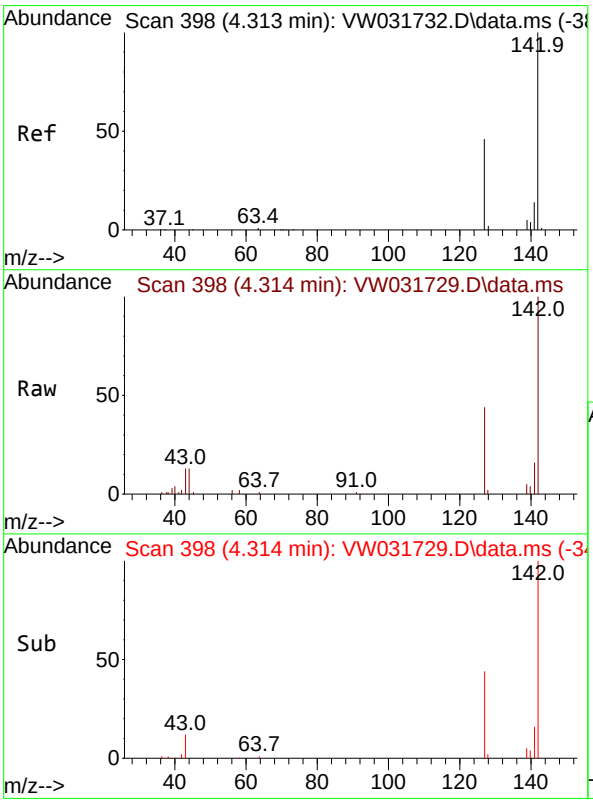
Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.6	53.4
151	73.8	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

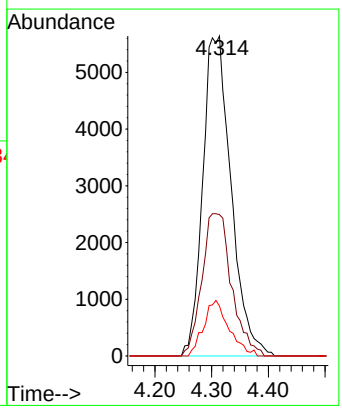
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

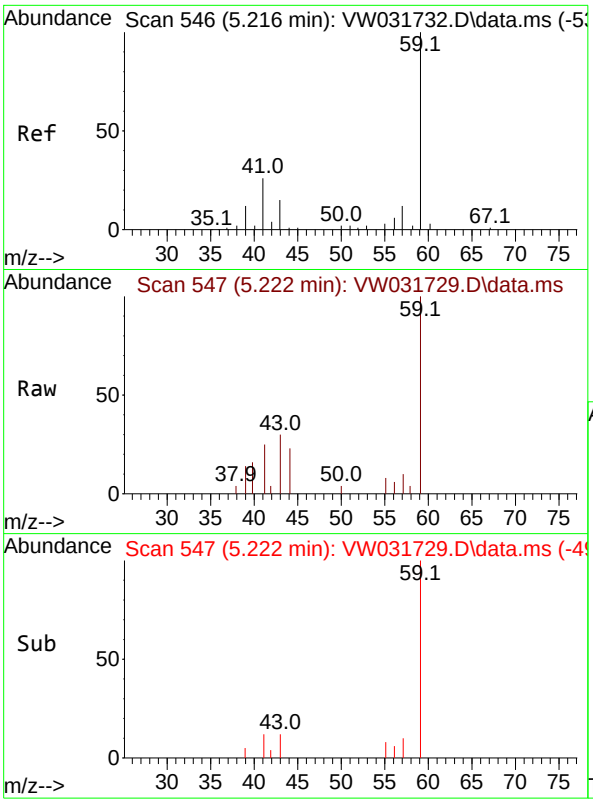


#10
Methyl Iodide
Concen: 5.093 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:142 Resp: 19559

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.9	56.9
141	15.6	11.7	17.5

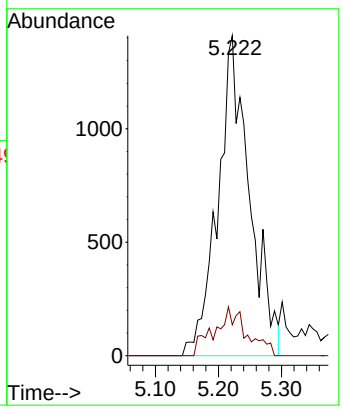




#11
Tert butyl alcohol
Concen: 24.274 ug/l m
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 59 Resp: 494

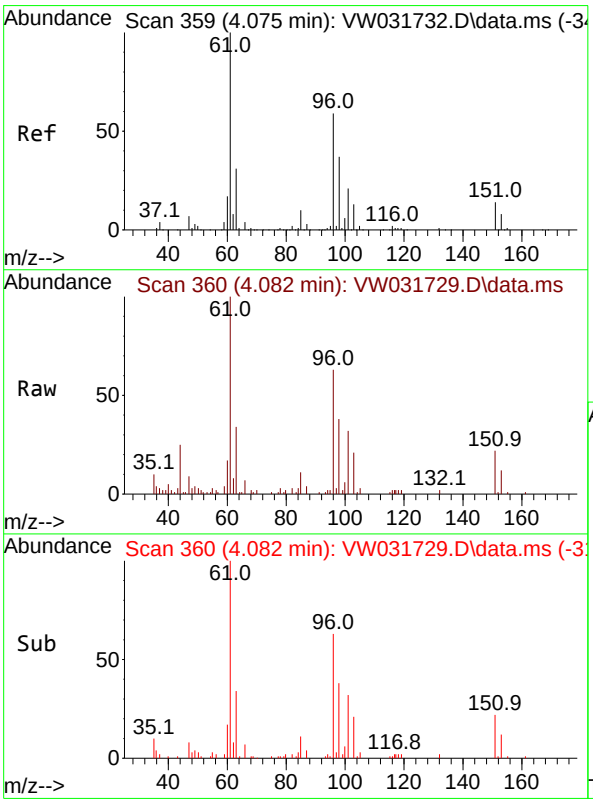
Ion	Ratio	Lower	Upper
59	100		
57	12.2	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

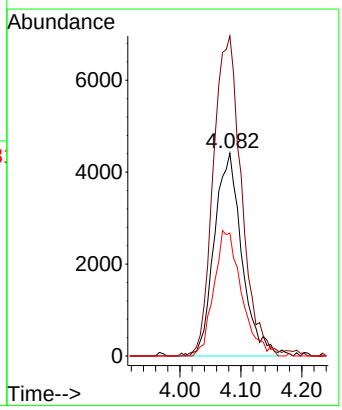
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

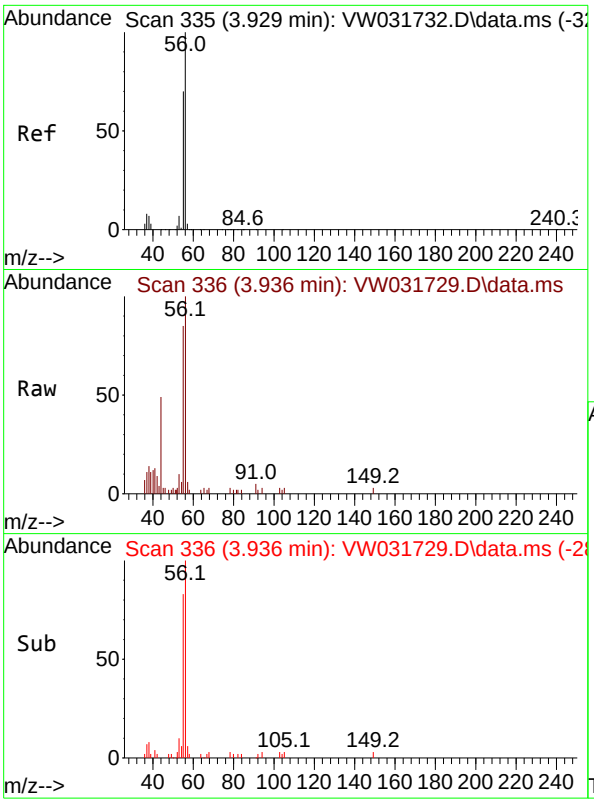


#12
1,1-Dichloroethene
Concen: 5.055 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 96 Resp: 13793

Ion	Ratio	Lower	Upper
96	100		
61	157.8	135.8	203.8
98	60.6	50.4	75.6

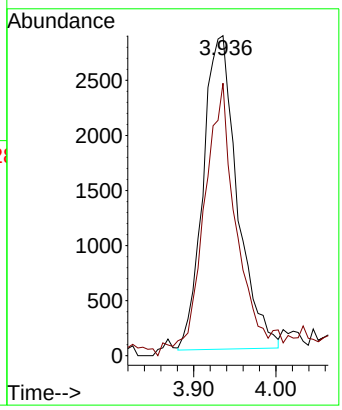




#13
Acrolein
Concen: 22.472 ug/l
RT: 3.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 56 Resp: 822

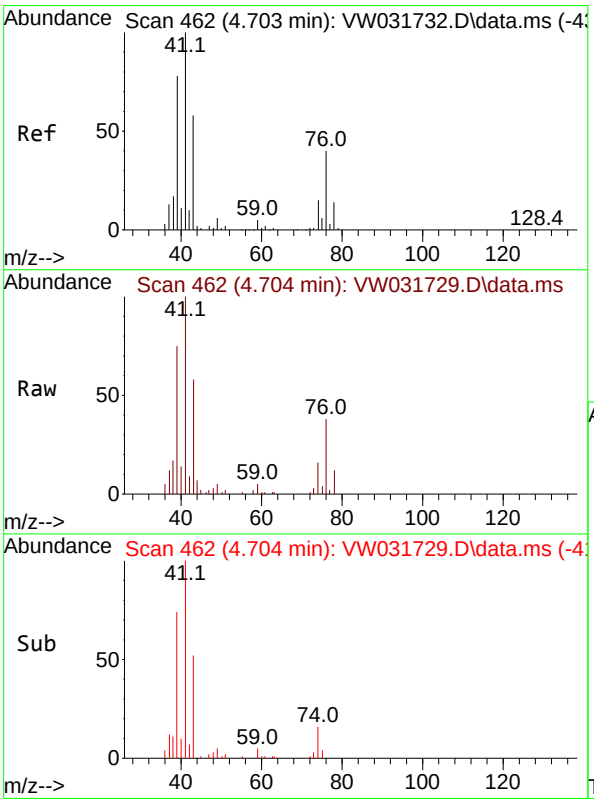
Ion	Ratio	Lower	Upper
56	100		
55	81.7	54.0	81.0#



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

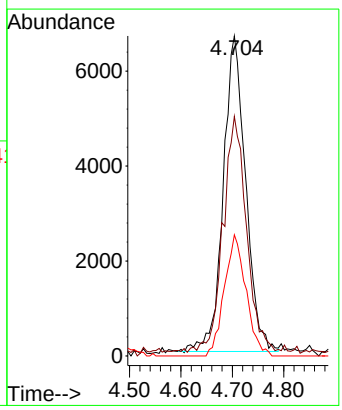
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

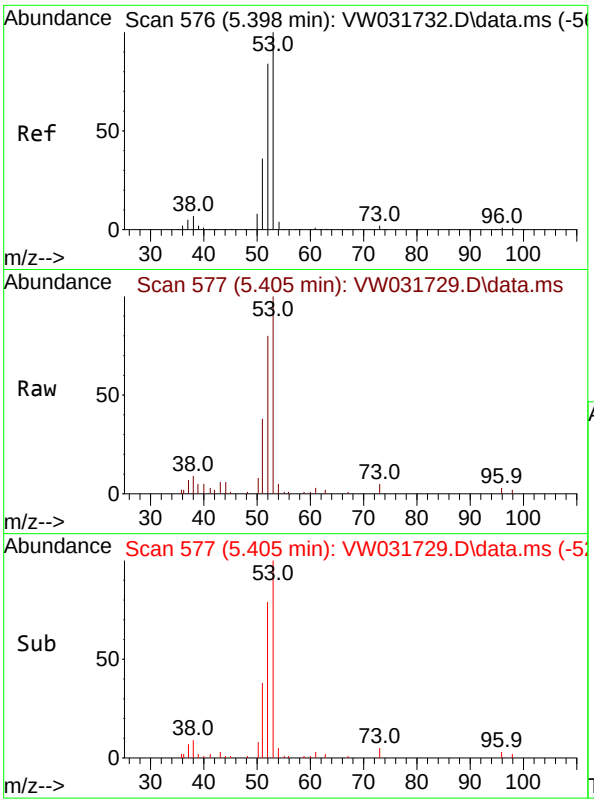


#14
Allyl chloride
Concen: 4.828 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 20213

Ion	Ratio	Lower	Upper
41	100		
39	77.9	60.7	91.1
76	36.9	30.3	45.5

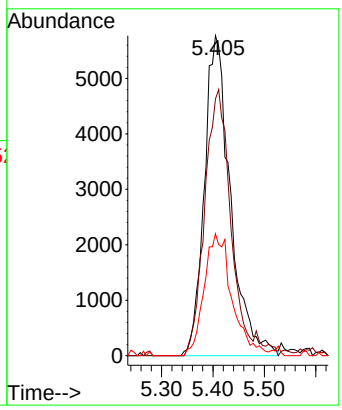




#15
Acrylonitrile
Concen: 24.197 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 53 Resp: 2029

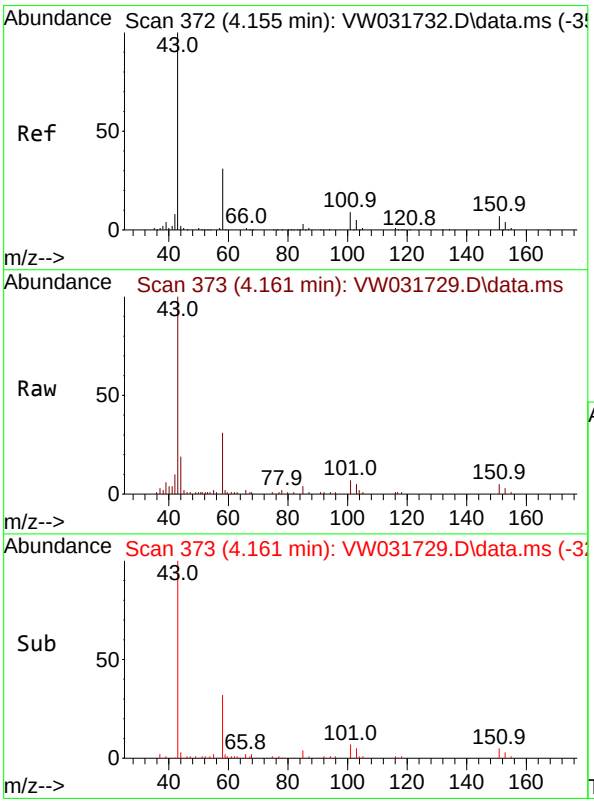
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	40.7	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

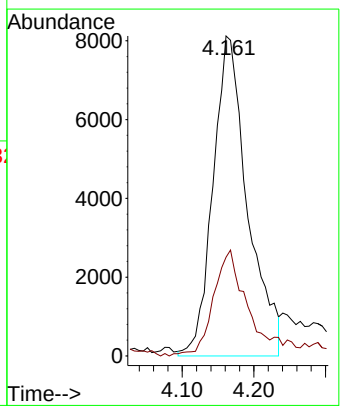
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

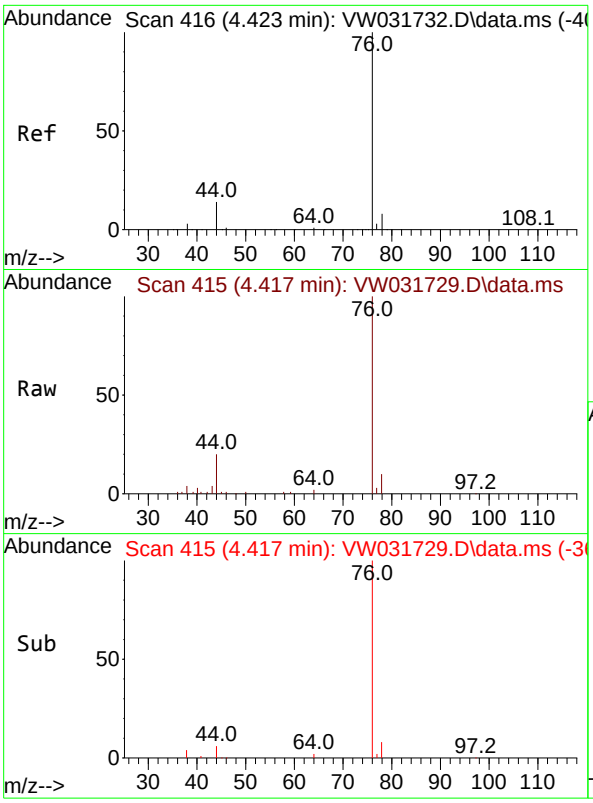


#16
Acetone
Concen: 33.285 ug/l m
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 27204

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2

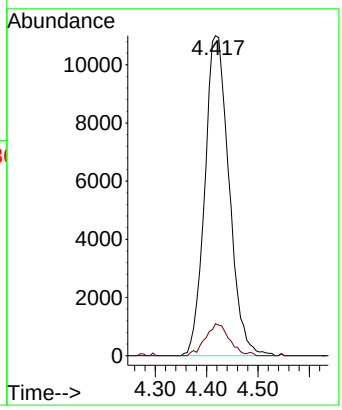




#17
Carbon Disulfide
Concen: 4.928 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 76 Resp: 3598

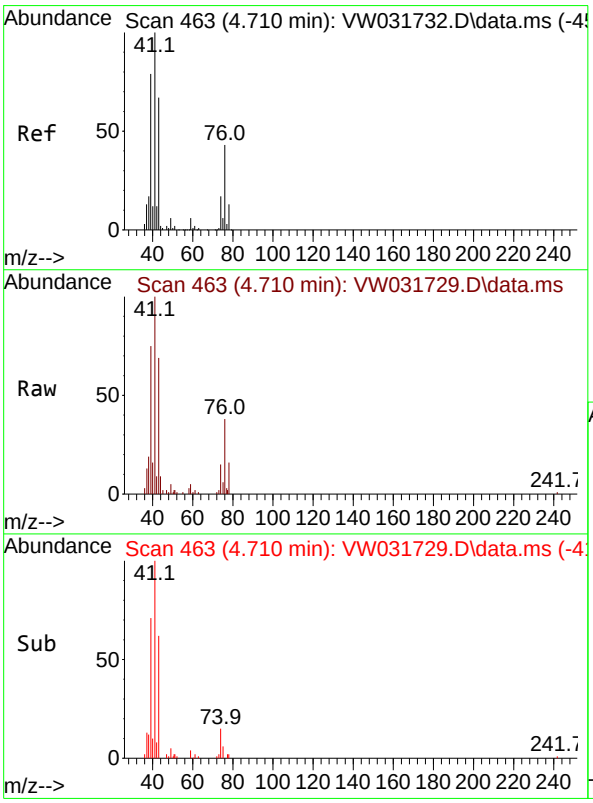
Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

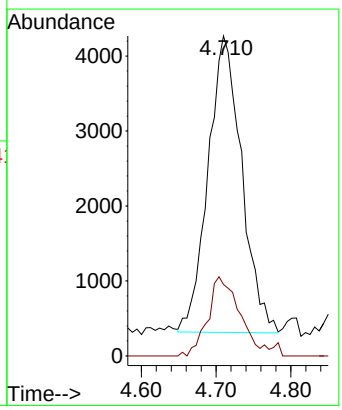
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

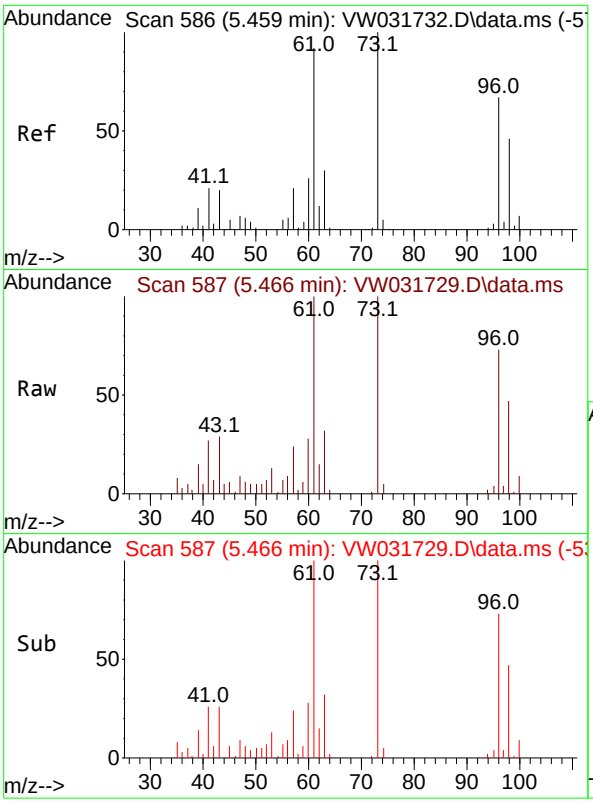


#18
Methyl Acetate
Concen: 5.326 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 12364

Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.6	30.8

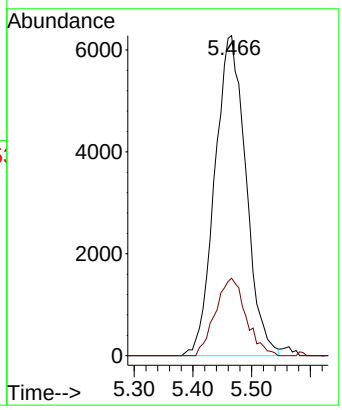




#19
Methyl tert-butyl Ether
Concen: 4.979 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 73 Resp: 2305

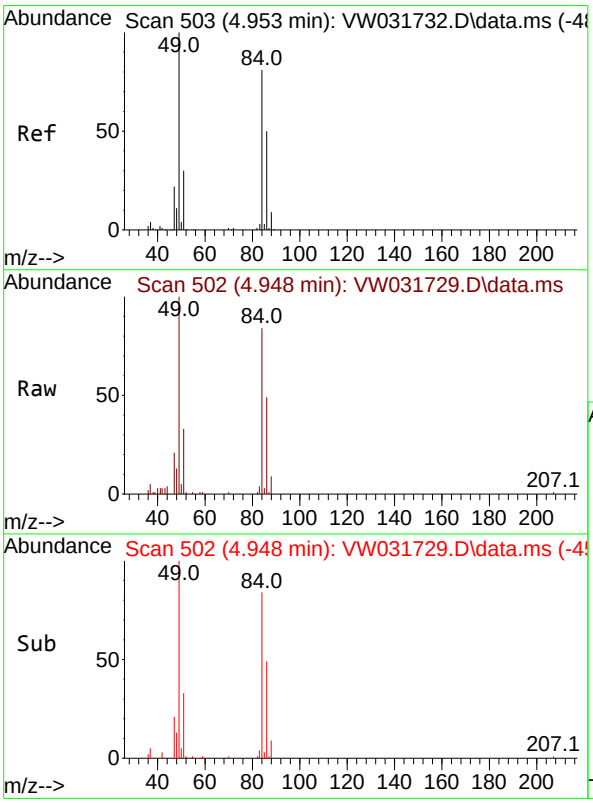
Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

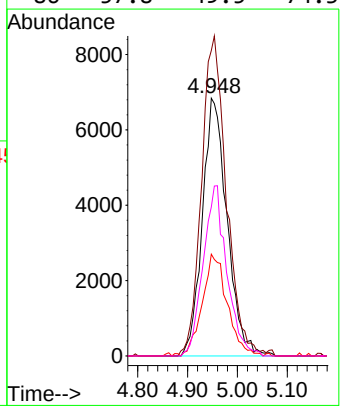
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

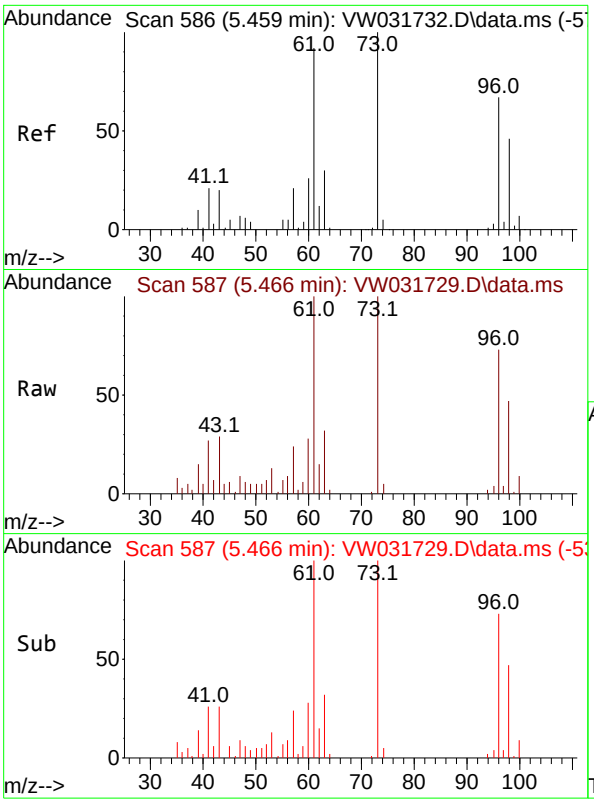


#20
Methylene Chloride
Concen: 3.124 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 84 Resp: 23553

Ion	Ratio	Lower	Upper
84	100		
49	118.5	98.2	147.4
51	39.4	29.8	44.8
86	57.8	49.5	74.3

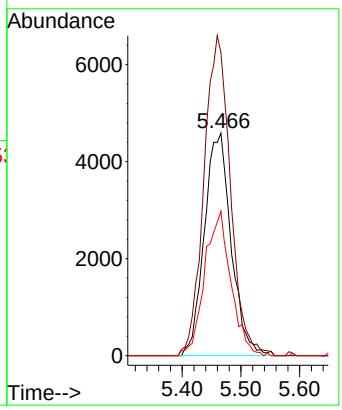




#21
trans-1,2-Dichloroethene
Concen: 5.015 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 96 Resp: 1454

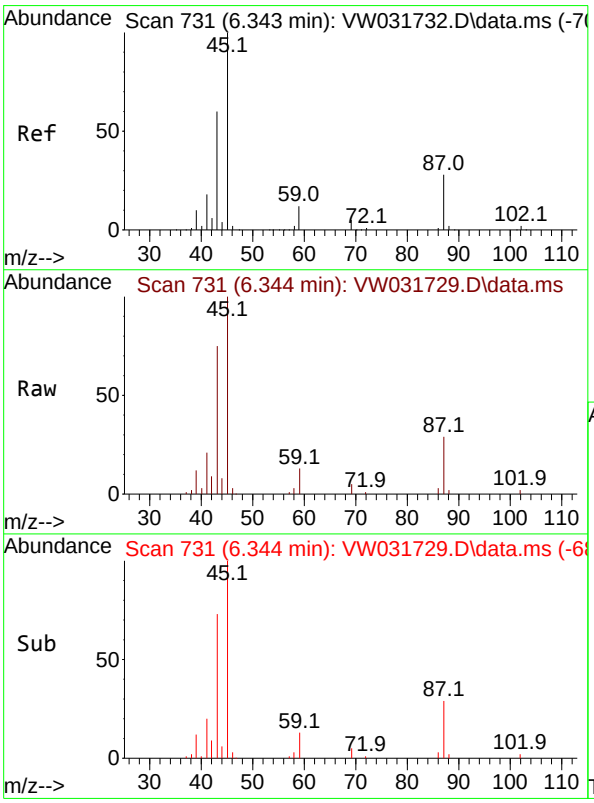
Ion	Ratio	Lower	Upper
96	100		
61	136.4	109.8	164.6
98	65.0	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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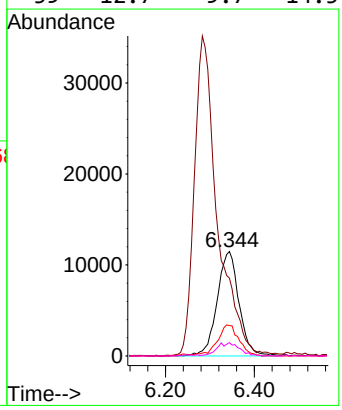
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

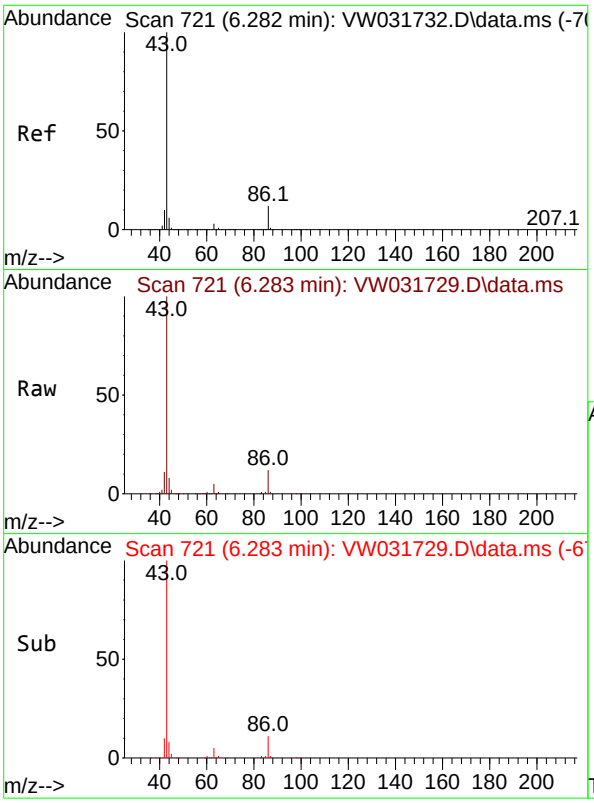


#22
Diisopropyl ether
Concen: 4.784 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 45 Resp: 39057

Ion	Ratio	Lower	Upper
45	100		
43	72.9	48.3	72.5#
87	29.1	22.6	34.0
59	12.7	9.7	14.5

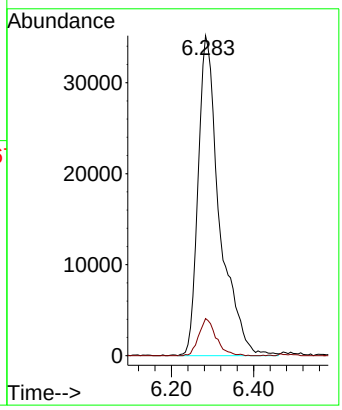




#23
Vinyl Acetate
Concen: 22.799 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 12714

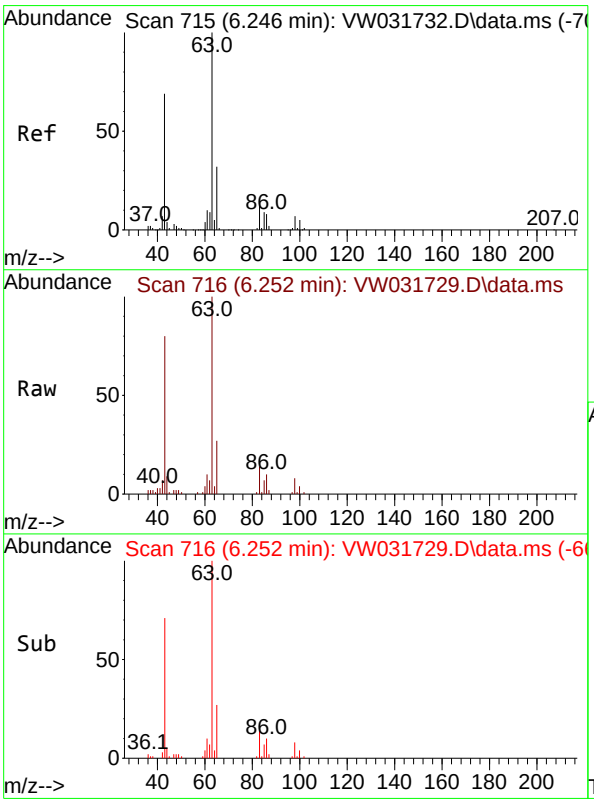
Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

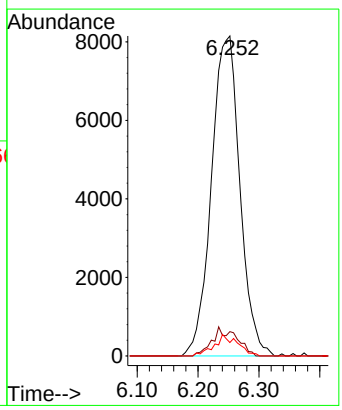
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

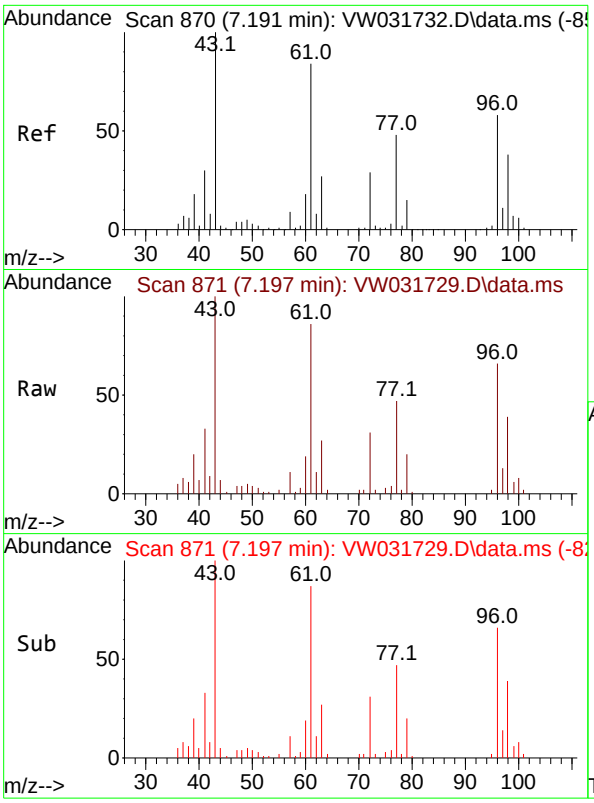


#24
1,1-Dichloroethane
Concen: 4.992 ug/l
RT: 6.252 min Scan# 716
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 26423

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.2	2.5	7.5

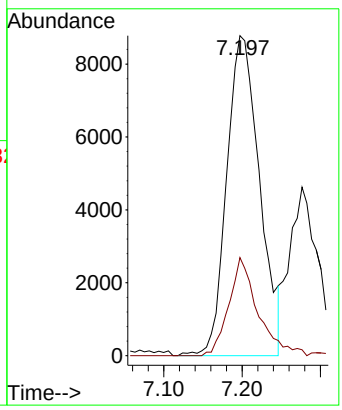




#25
2-Butanone
Concen: 24.268 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 2564

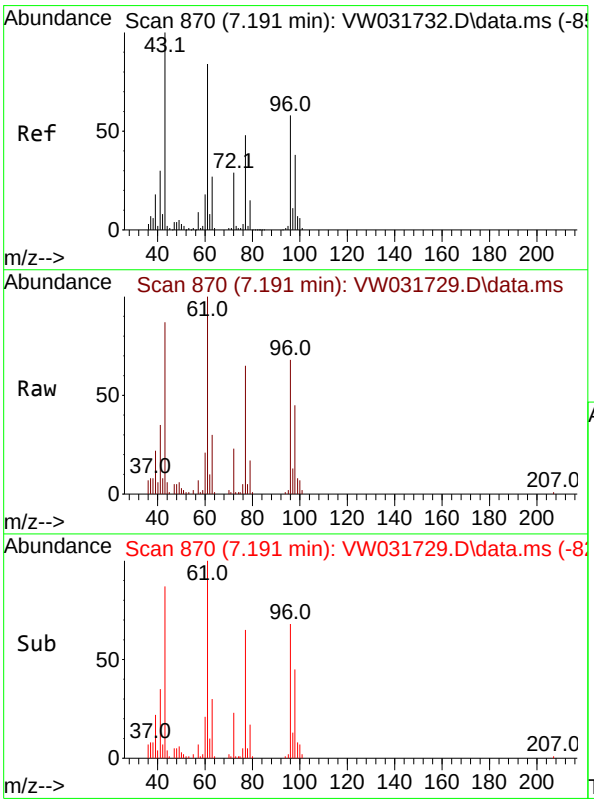
Ion	Ratio	Lower	Upper
43	100		
72	30.7	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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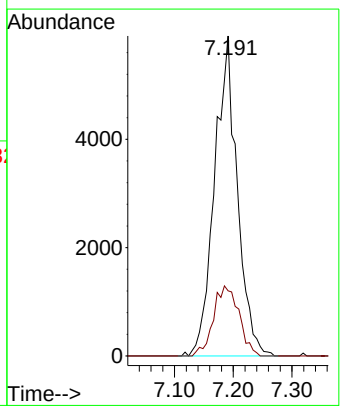
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

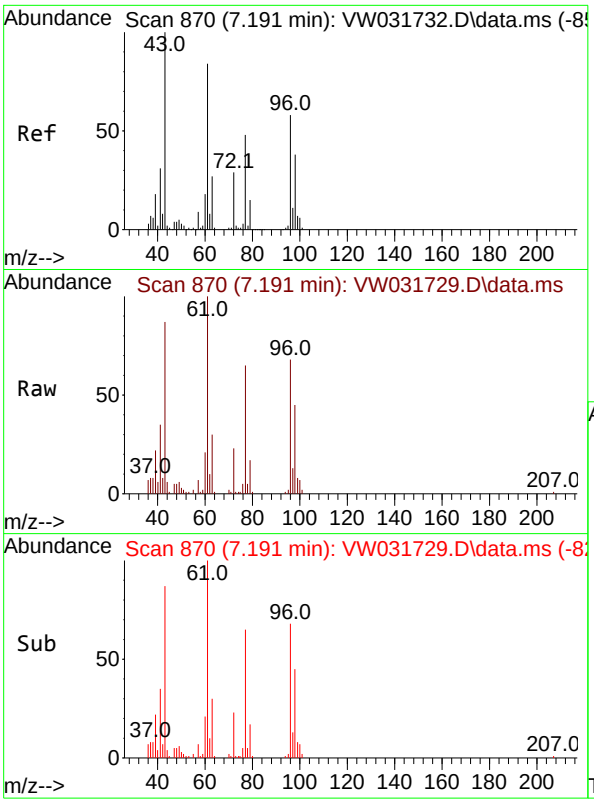


#26
2,2-Dichloropropane
Concen: 5.140 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 77 Resp: 15875

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 4.883 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

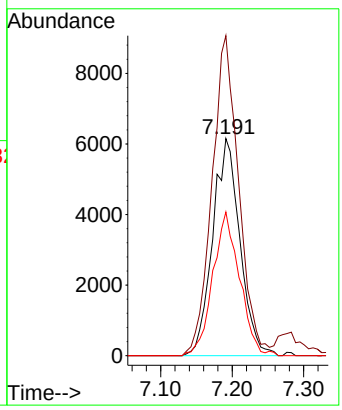
Tgt Ion: 96 Resp: 1627

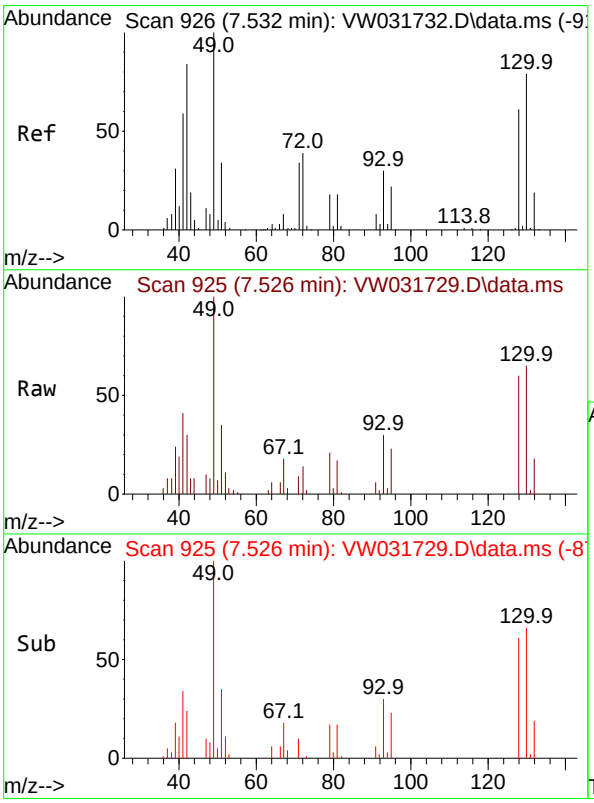
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	286.8
98	65.1	0.0	130.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

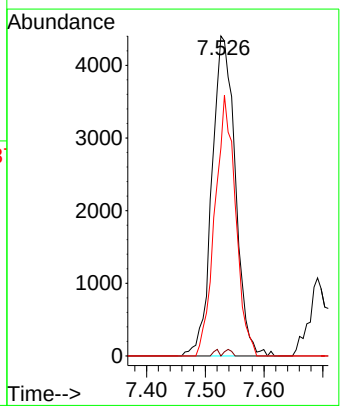


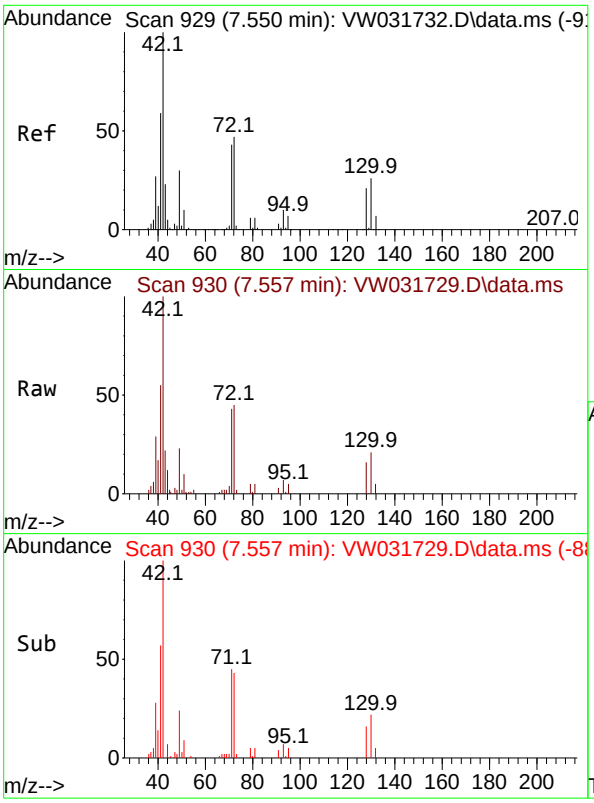


#28
Bromochloromethane
Concen: 5.210 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 49 Resp: 12169

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	0.0	61.3	91.9#

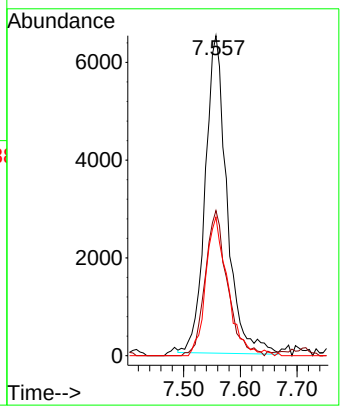




#29
Tetrahydrofuran
Concen: 23.866 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 42 Resp: 1727

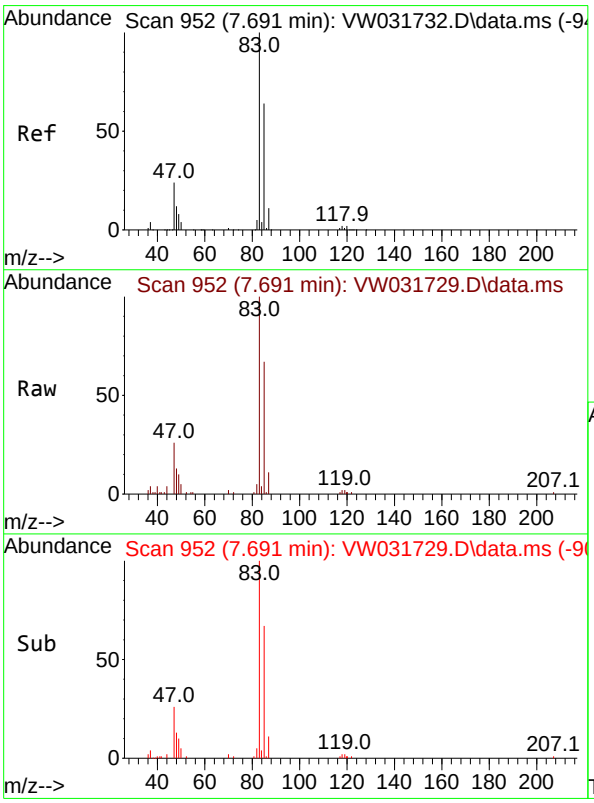
Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.8	55.2
71	43.7	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

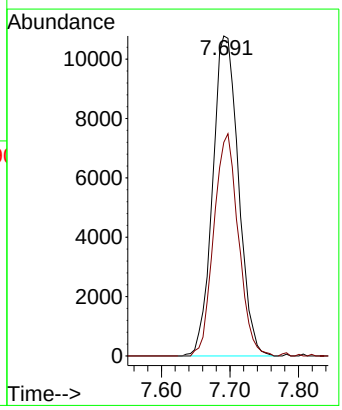
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

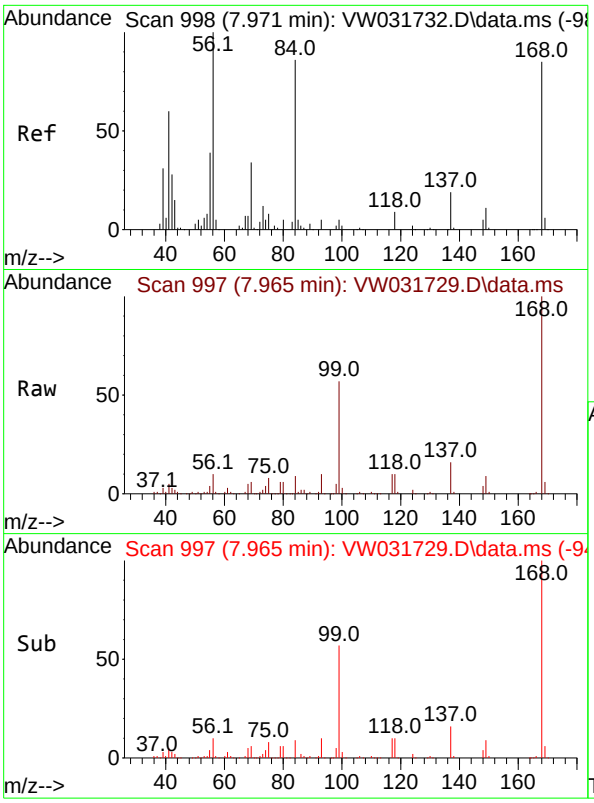


#30
Chloroform
Concen: 5.007 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 83 Resp: 28162

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.0

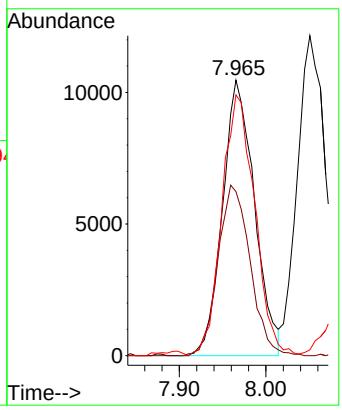




#31
Cyclohexane
Concen: 5.750 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 56 Resp: 2690

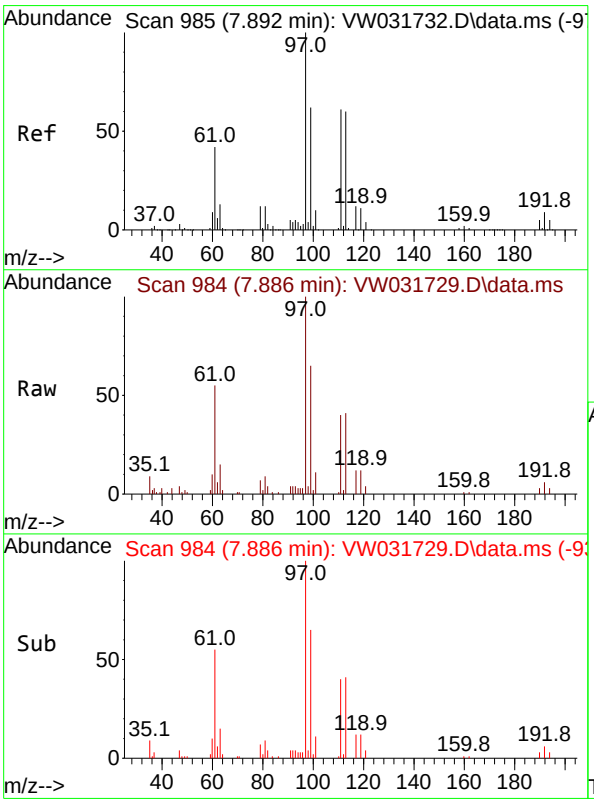
Ion	Ratio	Lower	Upper
56	100		
69	59.5	27.2	40.8
84	93.0	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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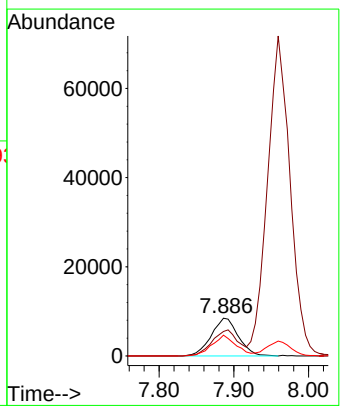
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

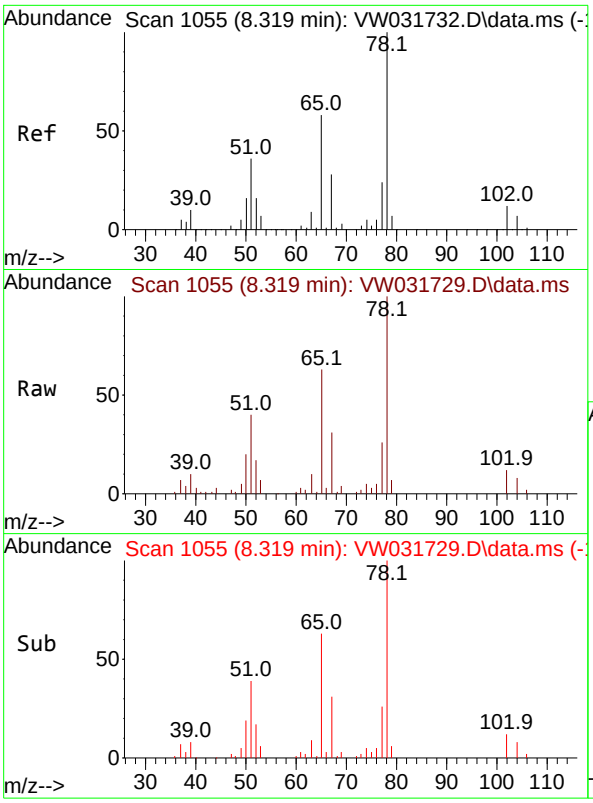


#32
1,1,1-Trichloroethane
Concen: 4.929 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 97 Resp: 21367

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.6
61	48.4	36.0	54.0

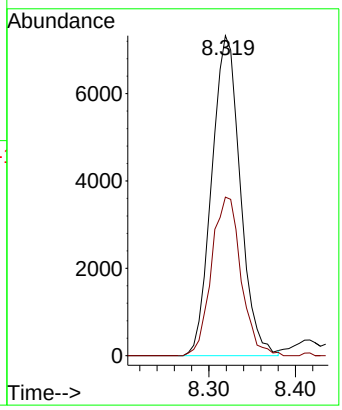




#33
1,2-Dichloroethane-d4
Concen: 5.090 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 65 Resp: 1672

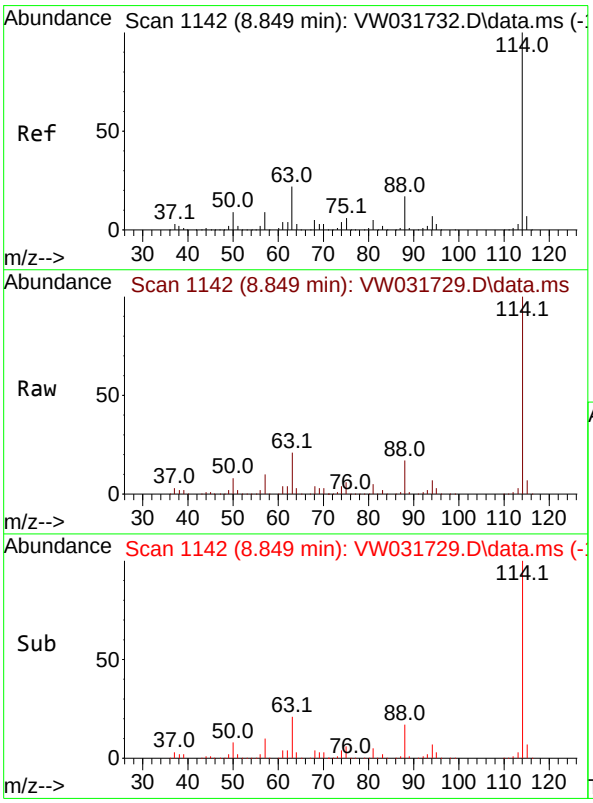
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

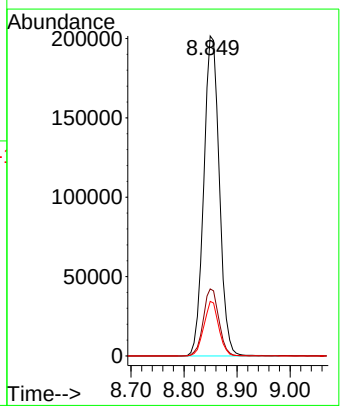
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

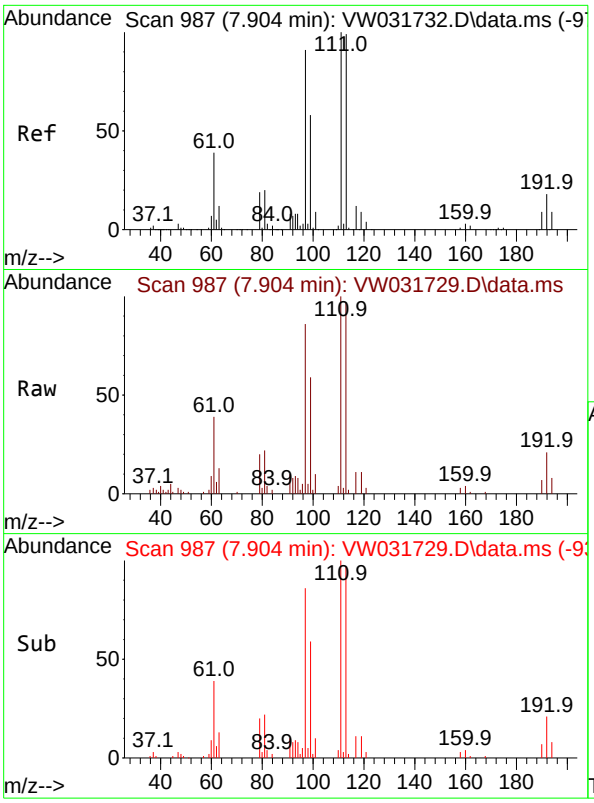


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:114 Resp: 410655

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.6
88	17.0	0.0	34.2

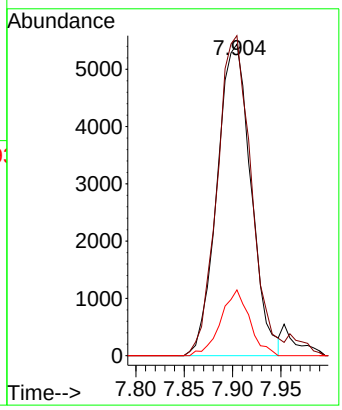




#35
Dibromofluoromethane
Concen: 4.936 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:113 Resp: 1322

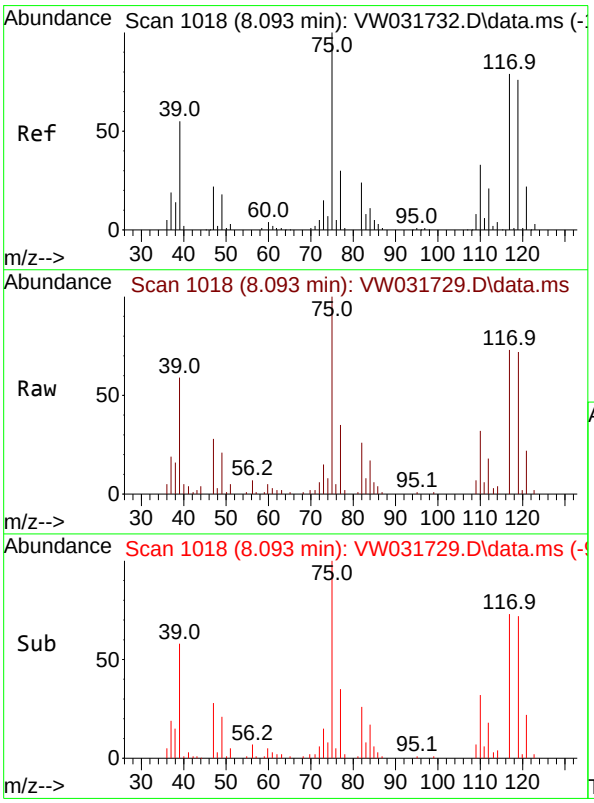
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	18.1	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

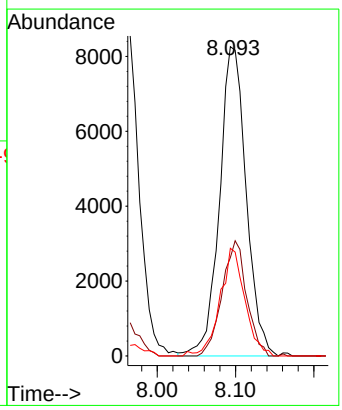
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

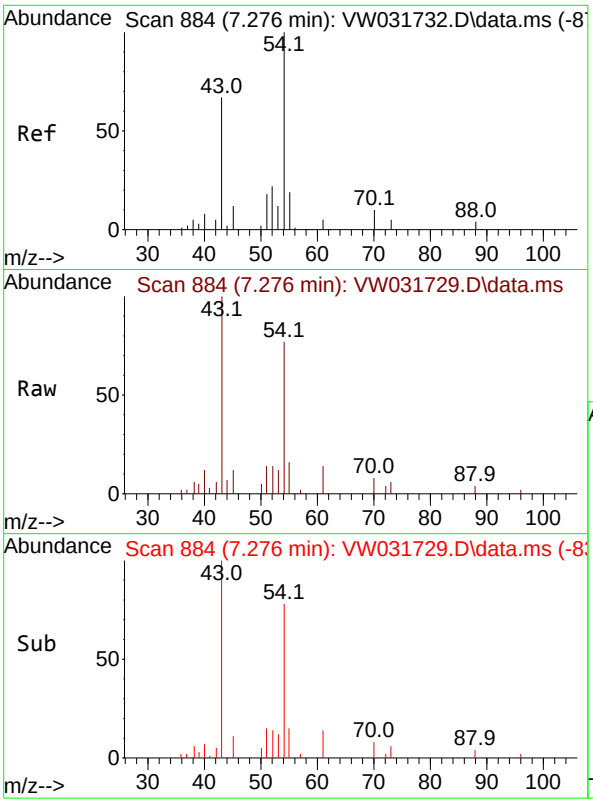


#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 19574

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.4
77	32.5	25.0	37.6

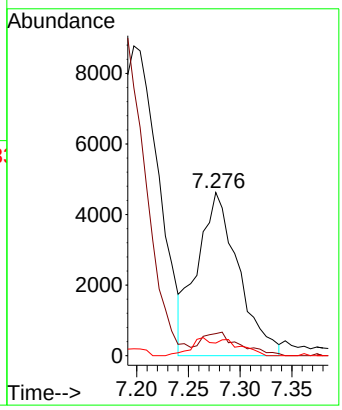




#37
Ethyl Acetate
Concen: 5.265 ug/l m
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 1287

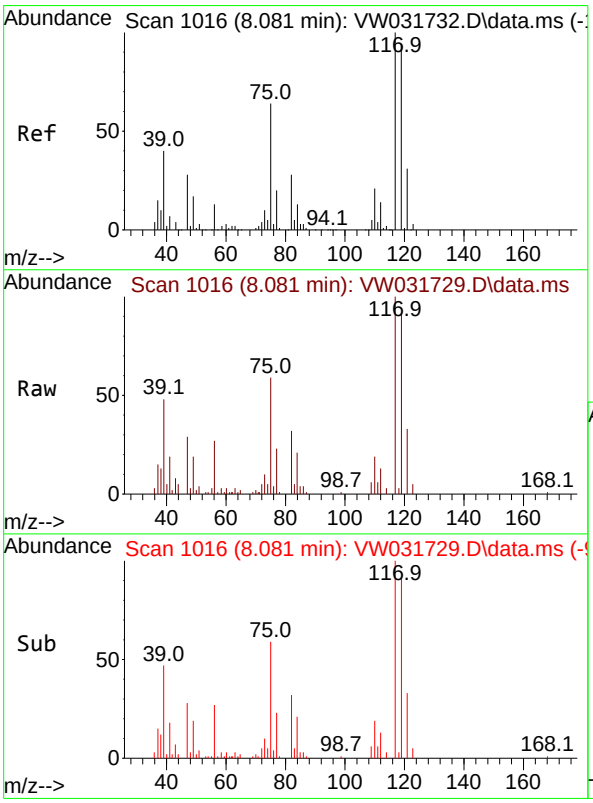
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	6.1	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

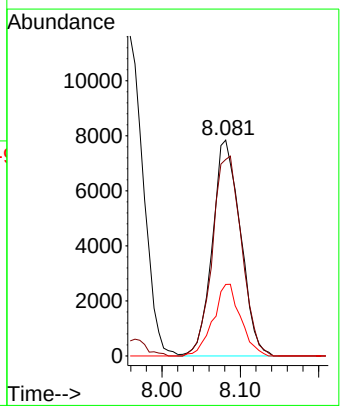
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

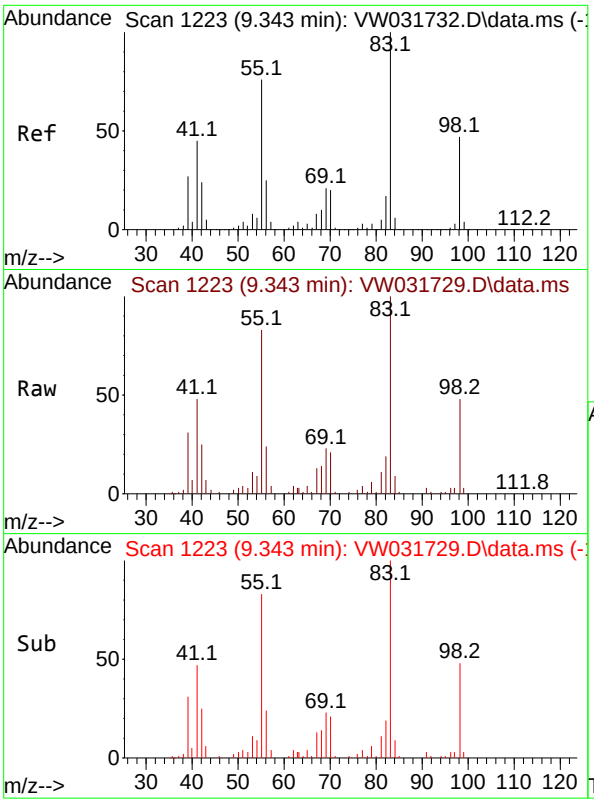


#38
Carbon Tetrachloride
Concen: 4.954 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:117 Resp: 19576

Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.0	112.6
121	33.1	24.6	37.0

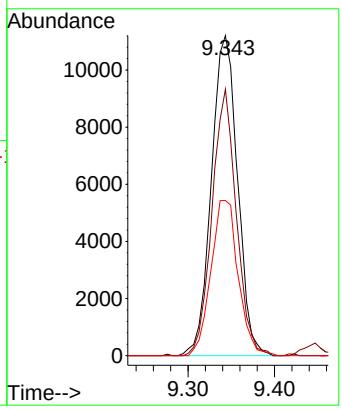




#39
Methylcyclohexane
Concen: 4.877 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 83 Resp: 2352

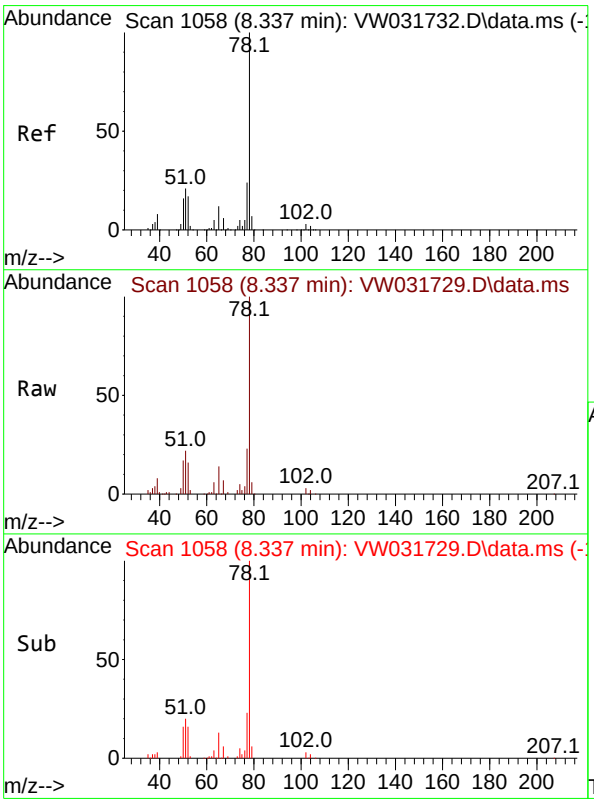
Ion	Ratio	Lower	Upper
83	100		
55	83.2	61.0	91.4
98	48.5	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

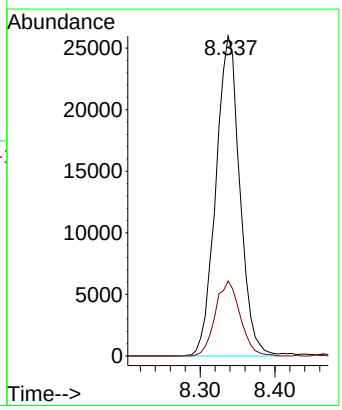
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

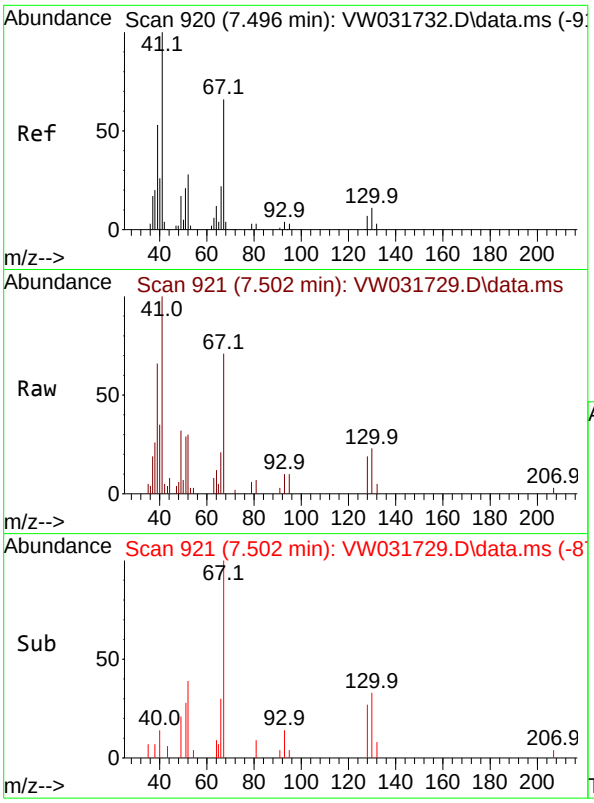


#40
Benzene
Concen: 5.046 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 78 Resp: 57889

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8

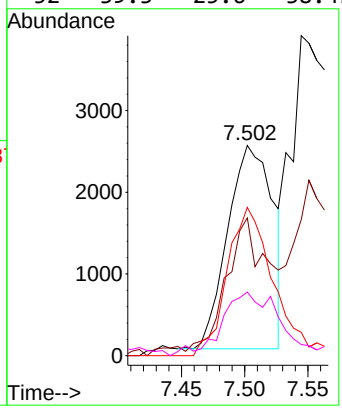




#41
Methacrylonitrile
Concen: 4.724 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 619

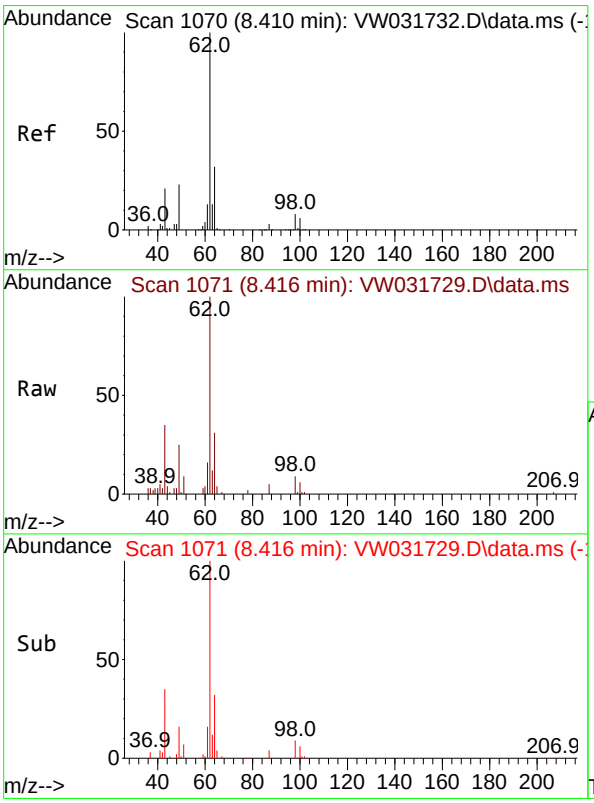
Ion	Ratio	Lower	Upper
41	100		
39	65.9	43.2	64.8#
67	75.5	58.1	87.1
52	39.3	25.6	38.4#



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

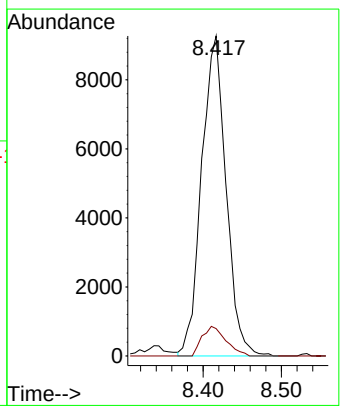
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

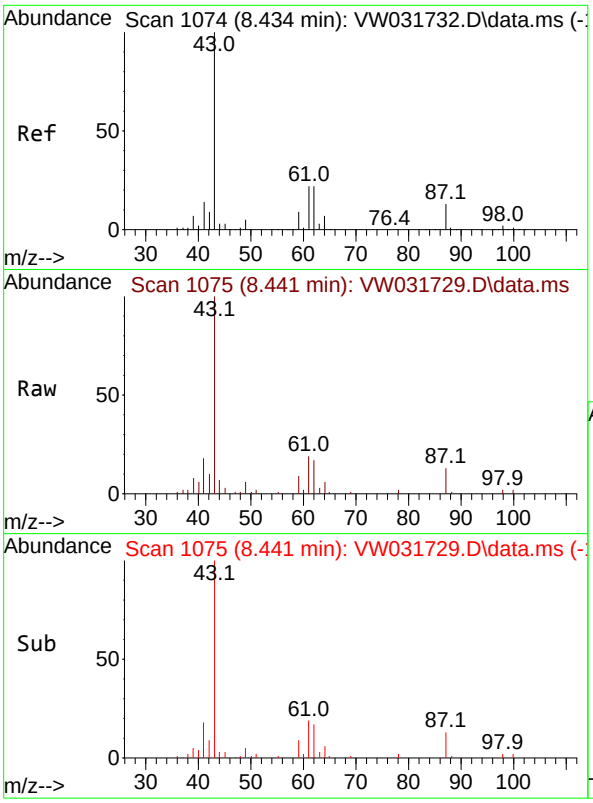


#42
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 62 Resp: 20133

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2

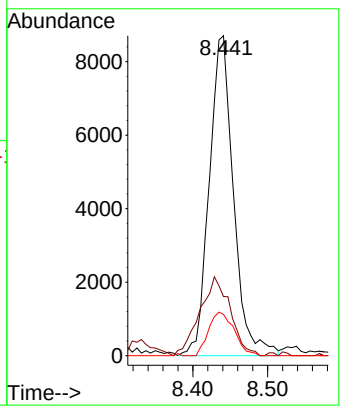




#43
Isopropyl Acetate
Concen: 4.673 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 1970

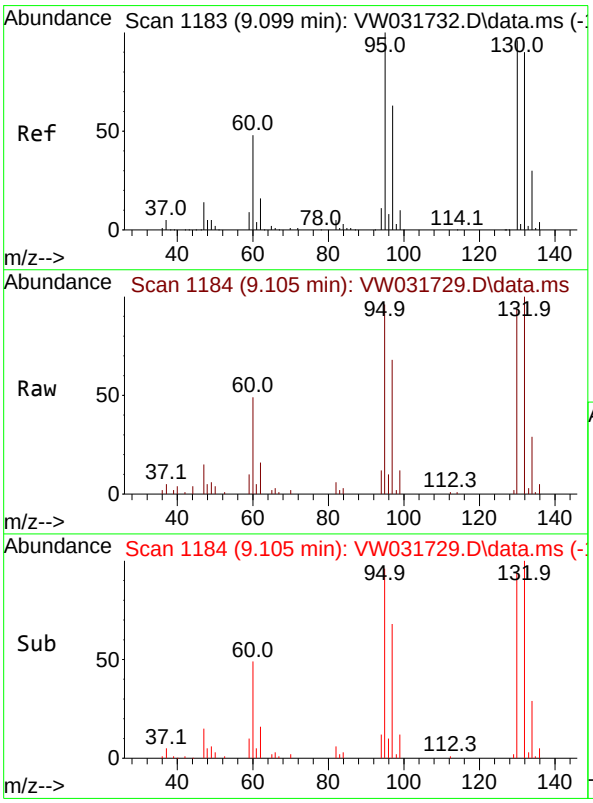
Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.1	34.7
87	14.3	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

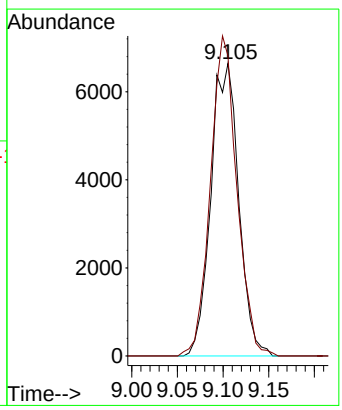
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

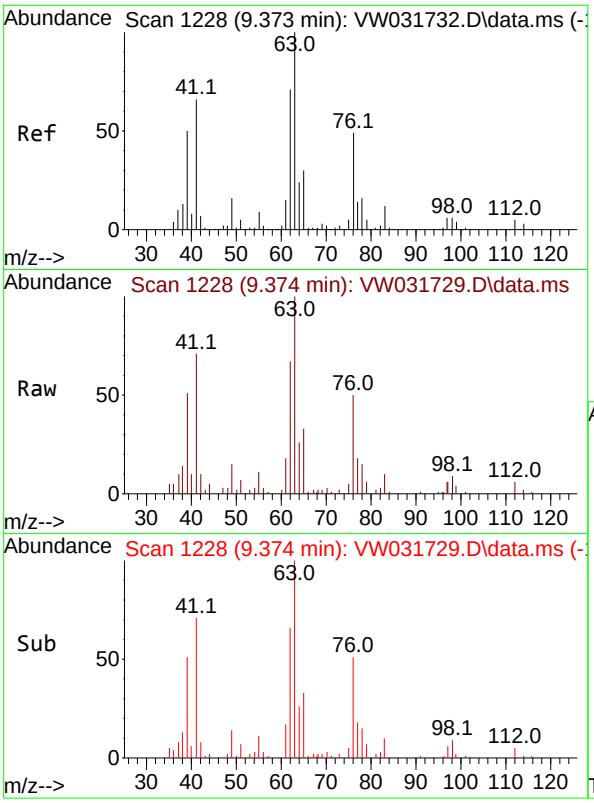


#44
Trichloroethene
Concen: 4.928 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:130 Resp: 14112

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	208.6

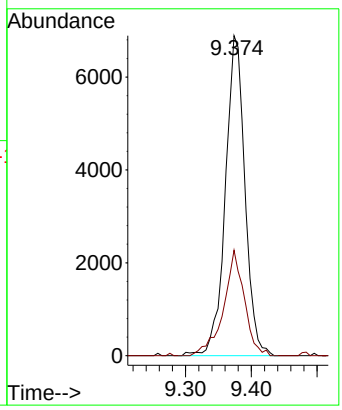




#45
1,2-Dichloropropane
Concen: 5.152 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 1428

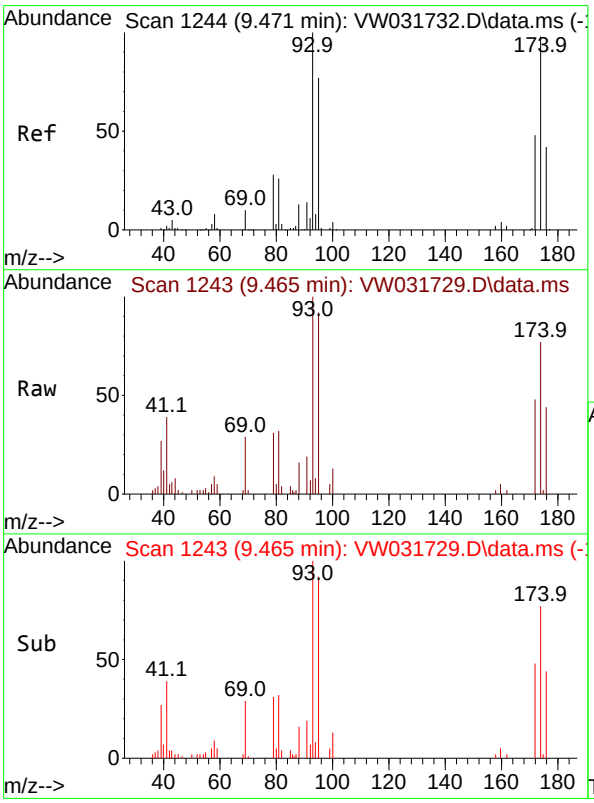
Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

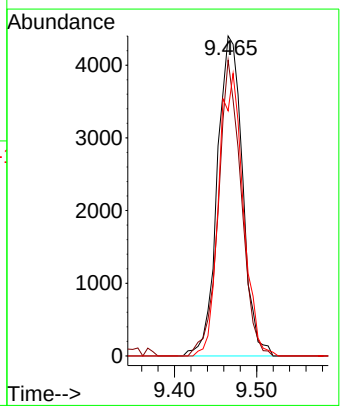
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

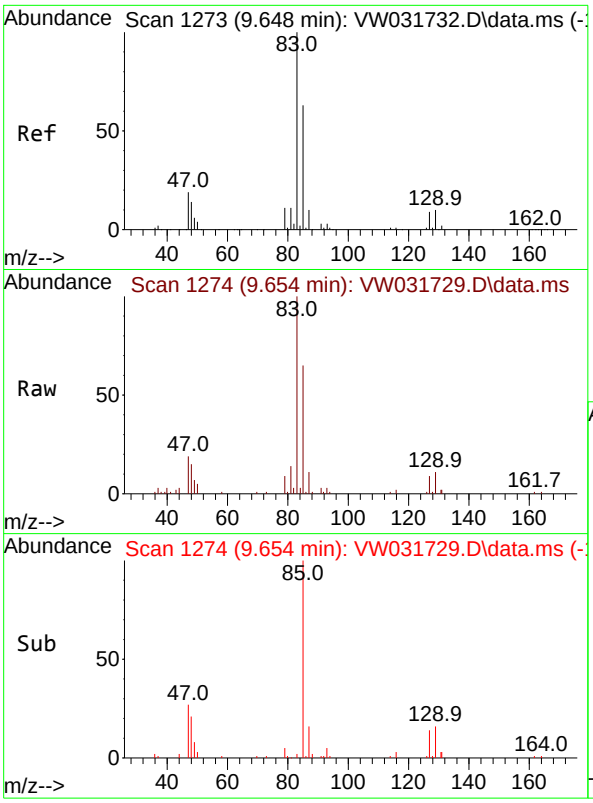


#46
Dibromomethane
Concen: 5.242 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 93 Resp: 9383

Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.0	100.4
174	85.7	71.7	107.5

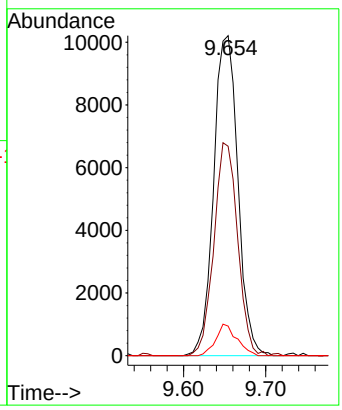




#47
Bromodichloromethane
Concen: 4.976 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 83 Resp: 2088

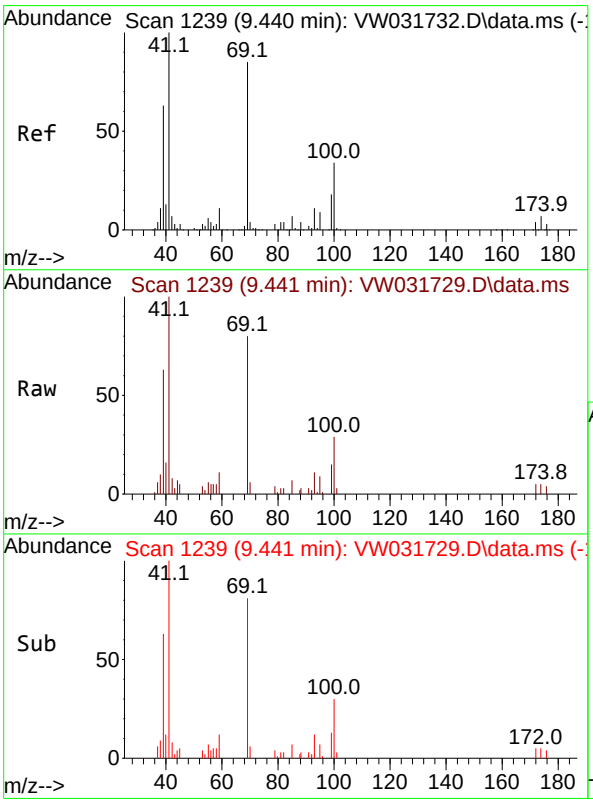
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	9.2	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

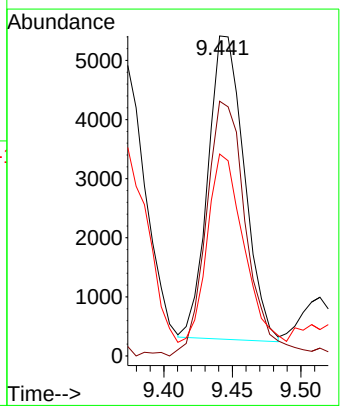
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

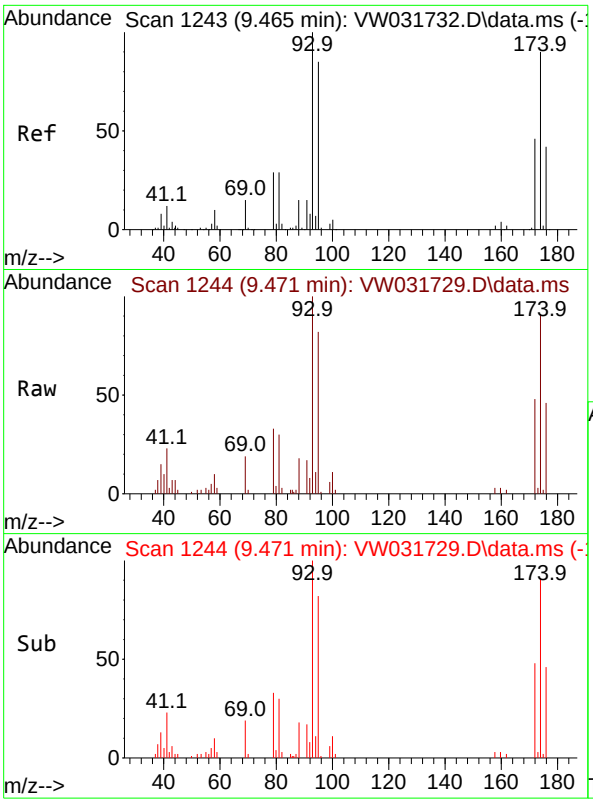


#48
Methyl methacrylate
Concen: 4.563 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 9461

Ion	Ratio	Lower	Upper
41	100		
69	92.7	71.6	107.4
39	62.2	49.5	74.3

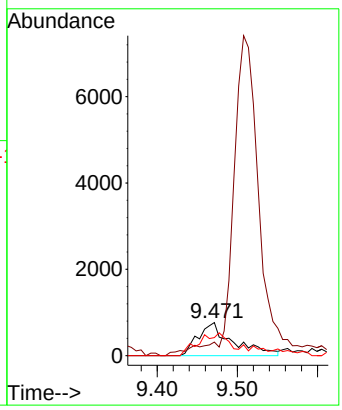




#49
1,4-Dioxane
Concen: 121.843 ug/l m
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 88 Resp: 232

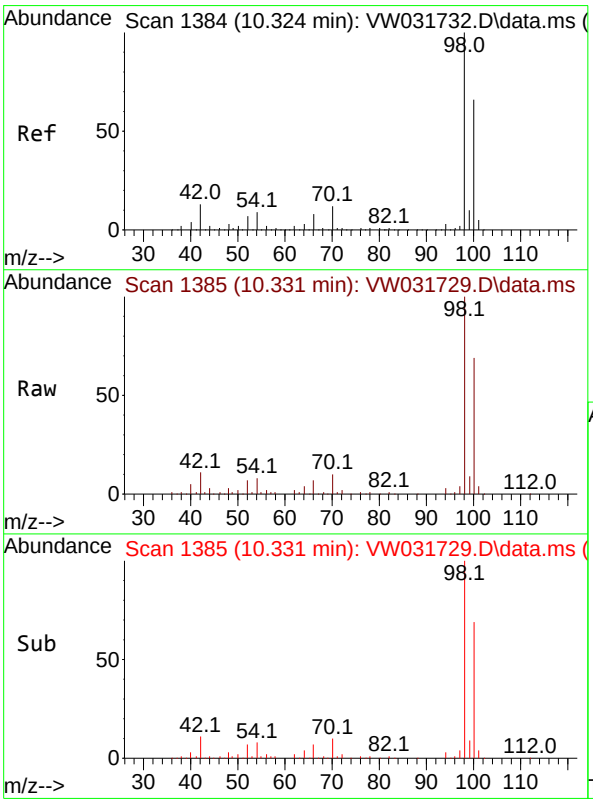
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	59.7	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

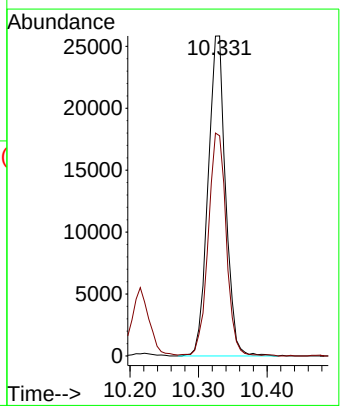
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

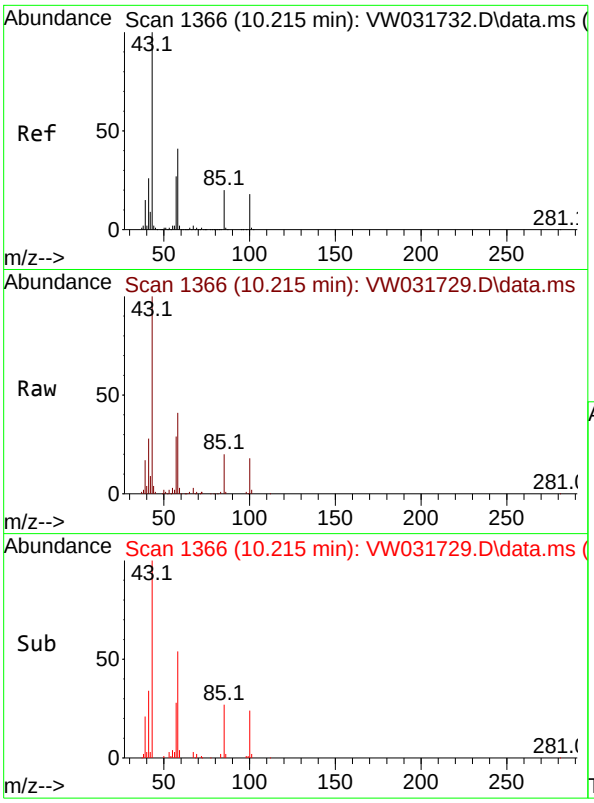


#50
Toluene-d8
Concen: 4.615 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 98 Resp: 46017

Ion	Ratio	Lower	Upper
98	100		
100	71.0	53.0	79.4

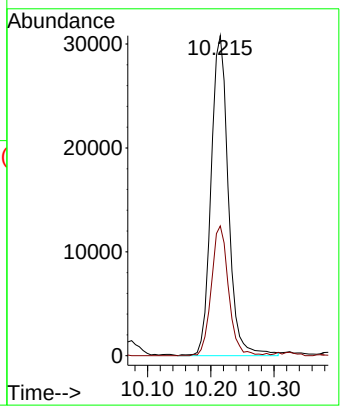




#51
4-Methyl-2-Pentanone
Concen: 24.143 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 5852

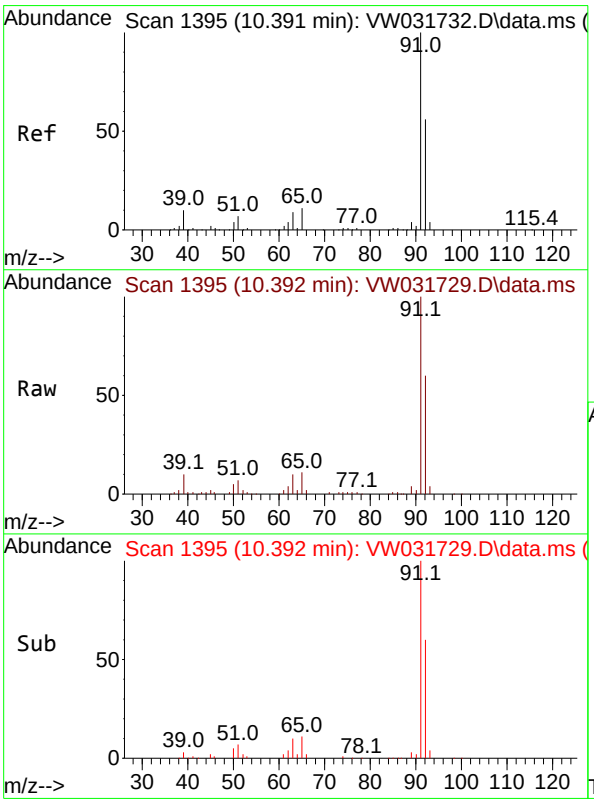
Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

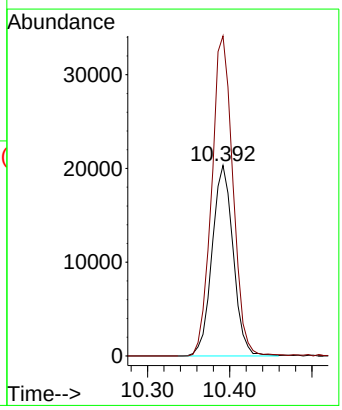
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

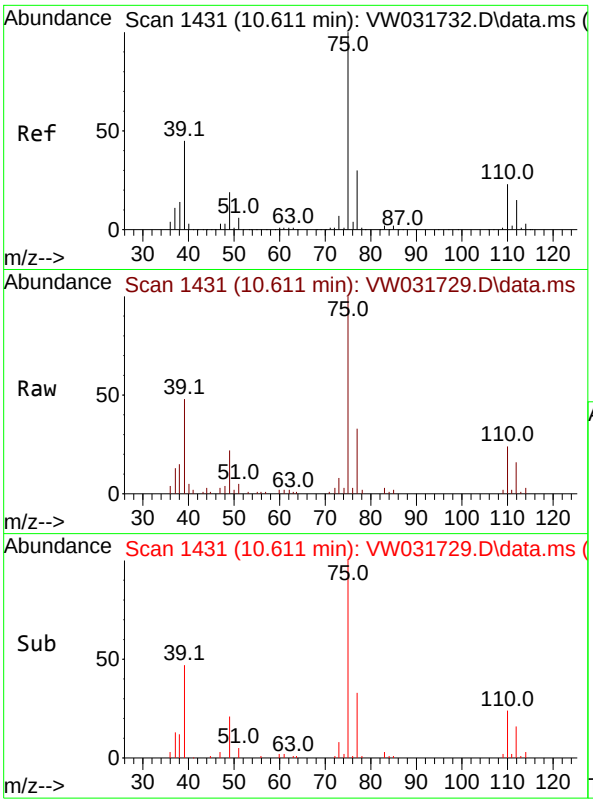


#52
Toluene
Concen: 4.928 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 92 Resp: 36200

Ion	Ratio	Lower	Upper
92	100		
91	169.1	139.5	209.3

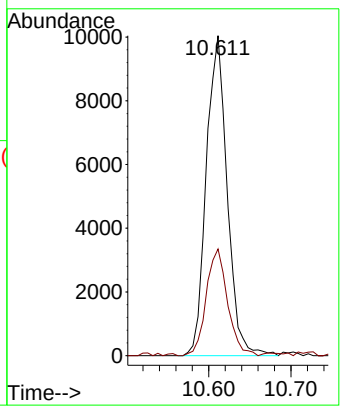




#53
t-1,3-Dichloropropene
Concen: 4.508 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 1775

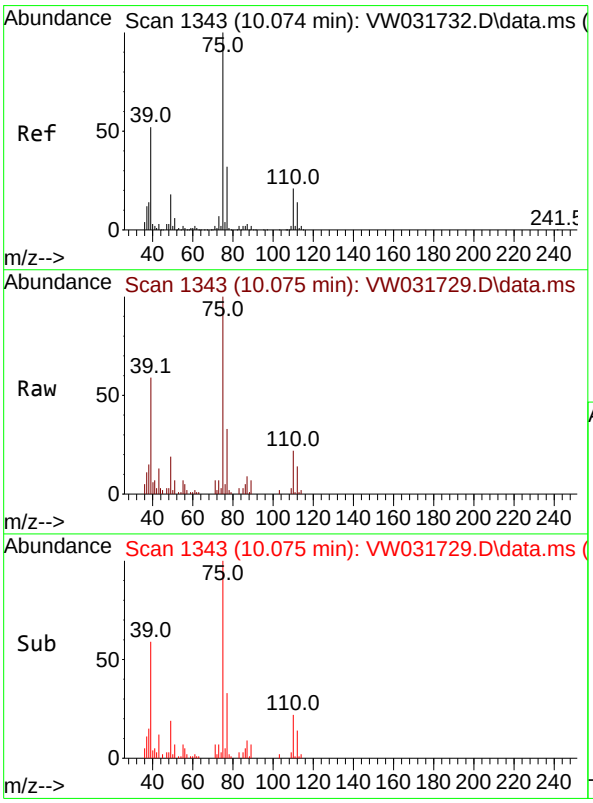
Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

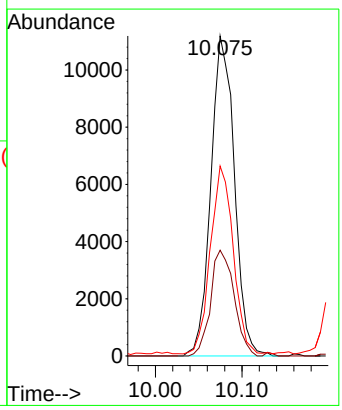
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

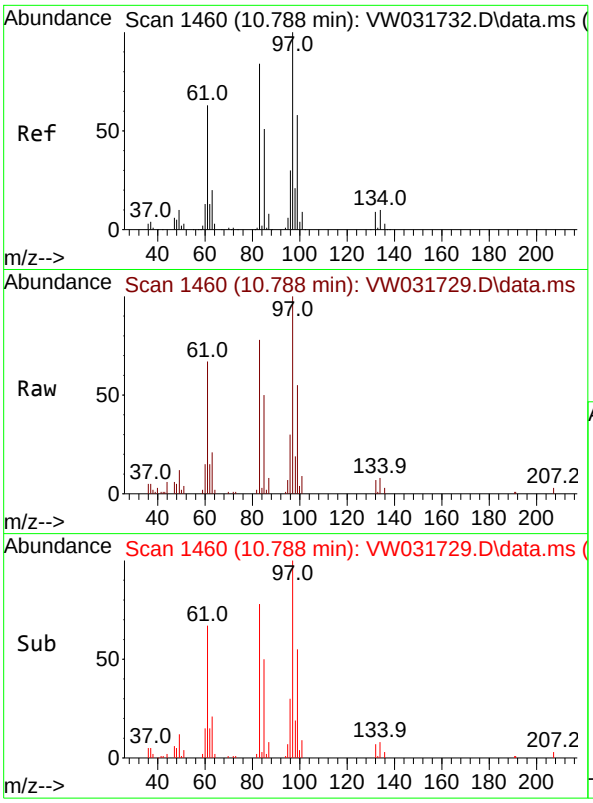


#54
cis-1,3-Dichloropropene
Concen: 4.724 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 21091

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2
39	58.7	41.8	62.6

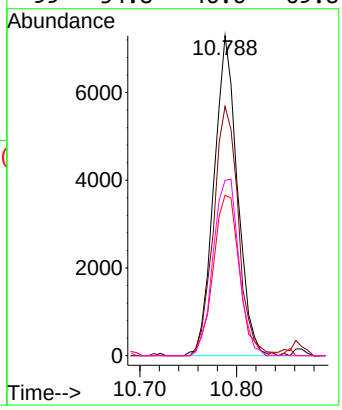




#55
1,1,2-Trichloroethane
Concen: 5.239 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 97 Resp: 1228

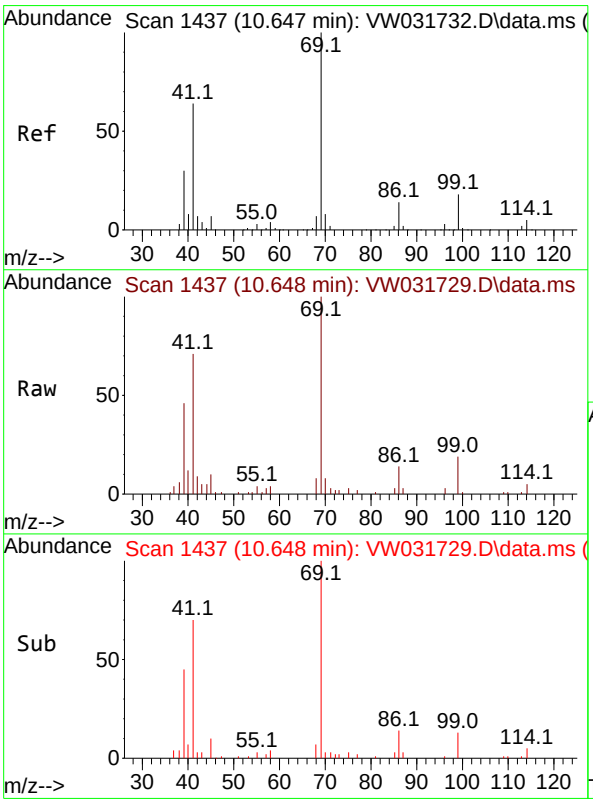
Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.9	100.3
85	50.2	41.1	61.7
99	54.8	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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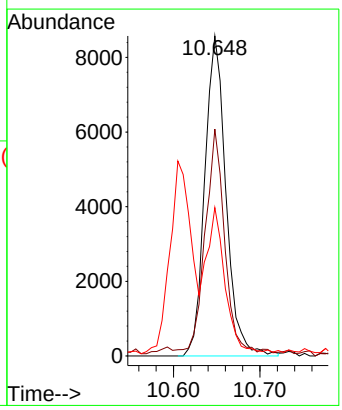
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

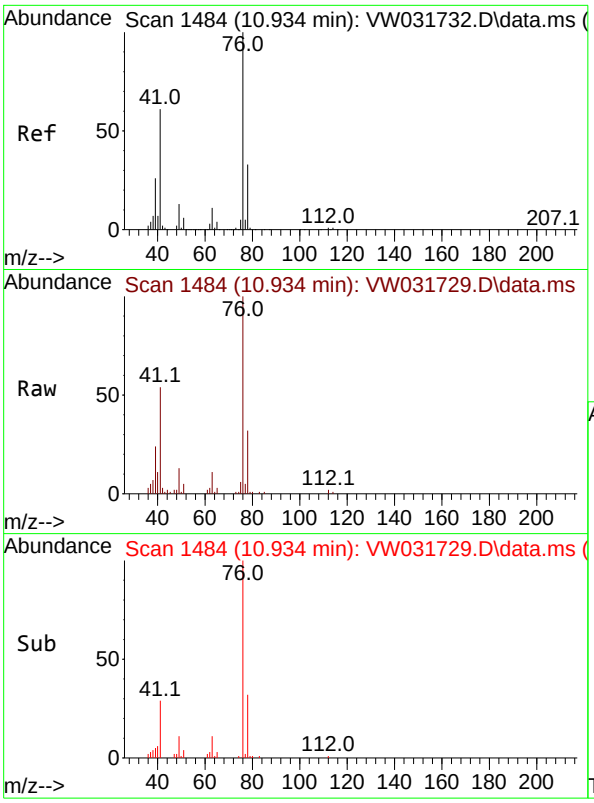


#56
Ethyl methacrylate
Concen: 4.584 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 69 Resp: 14584

Ion	Ratio	Lower	Upper
69	100		
41	63.9	53.3	79.9
39	39.3	30.2	45.2





#57
1,3-Dichloropropane
Concen: 5.206 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

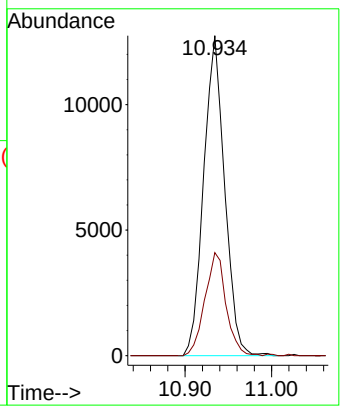
Tgt Ion: 76 Resp: 2143

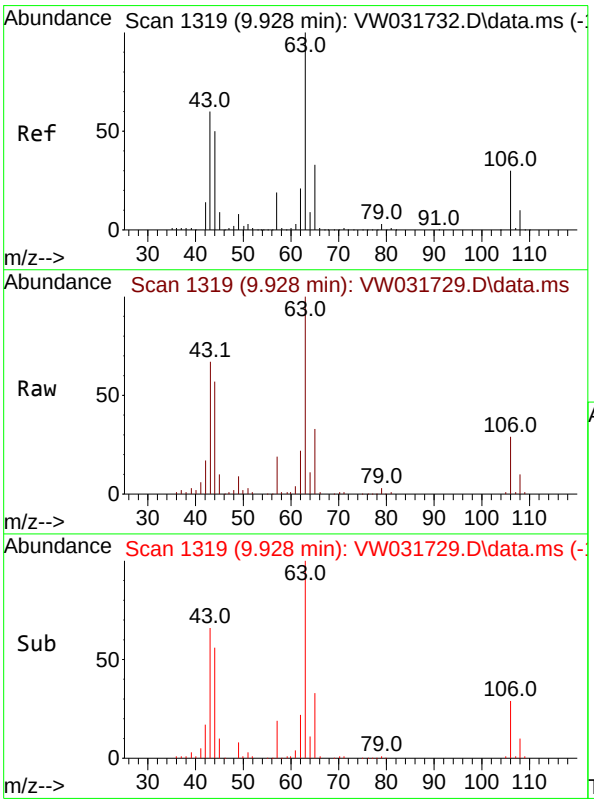
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

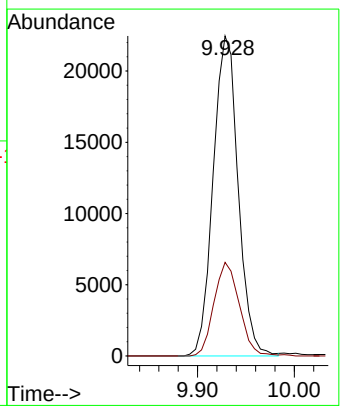


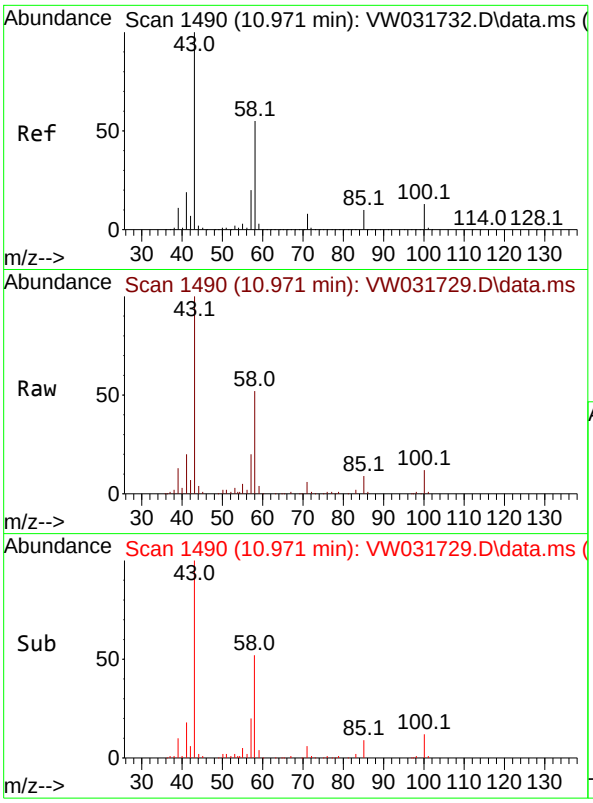


#58
2-Chloroethyl Vinyl ether
Concen: 22.989 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 40271

Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.1	36.1





#59
2-Hexanone
Concen: 23.125 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

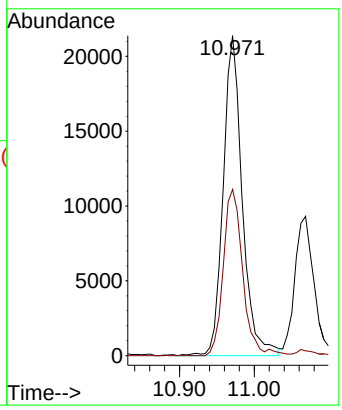
Tgt Ion: 43 Resp: 3798

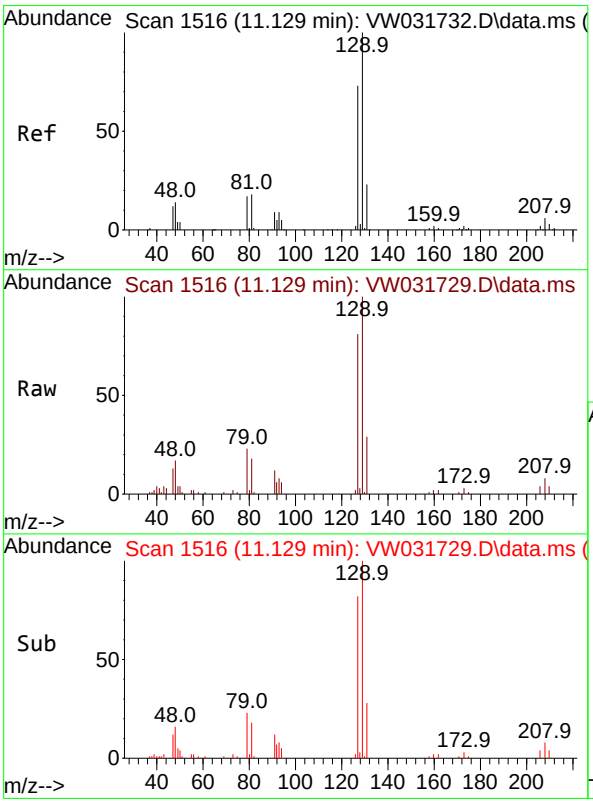
Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

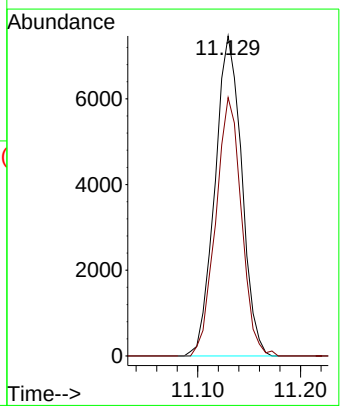


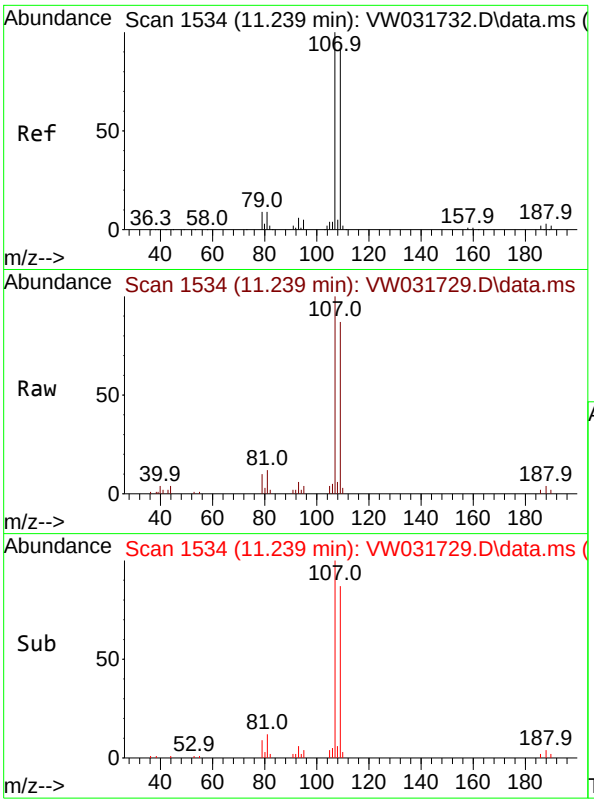


#60
Dibromochloromethane
Concen: 4.817 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:129 Resp: 13506

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	114.1

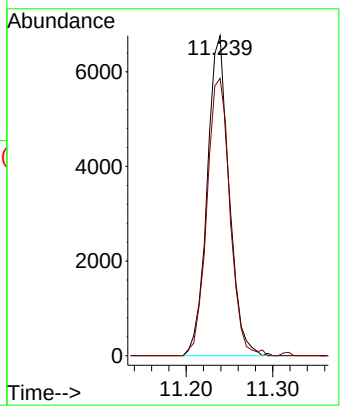




#61
1,2-Dibromoethane
Concen: 5.046 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:107 Resp: 1184

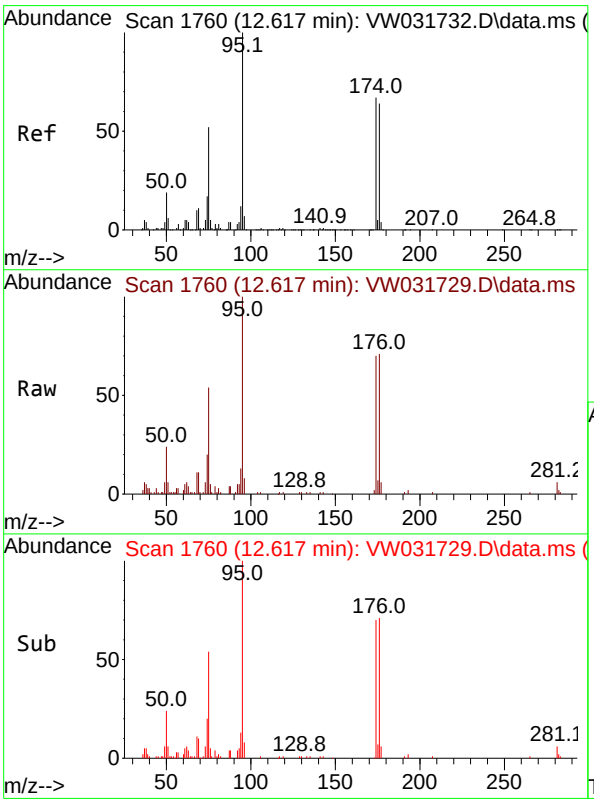
Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

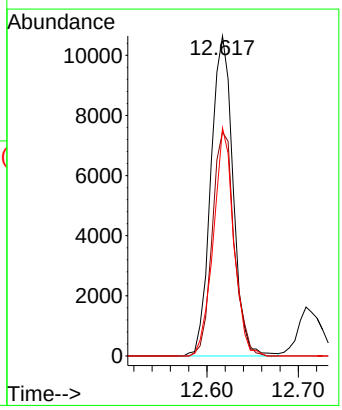
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

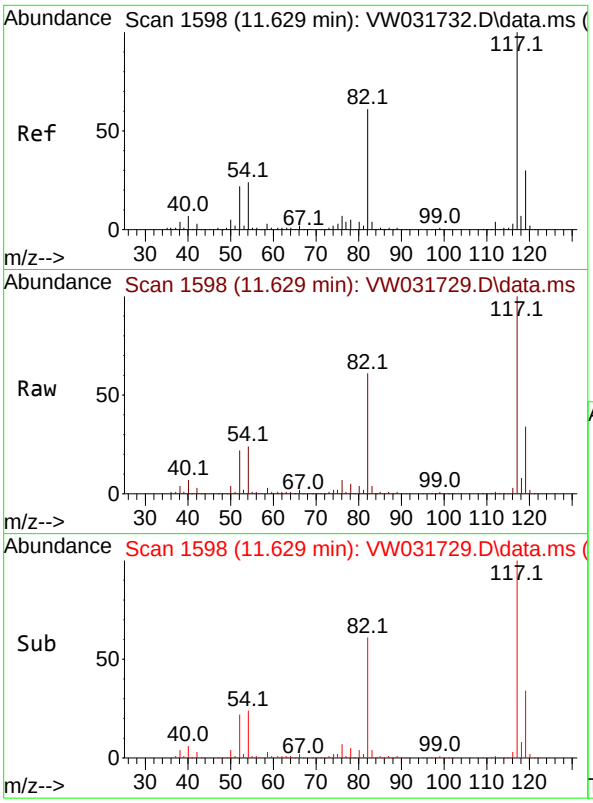


#62
4-Bromofluorobenzene
Concen: 4.884 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 95 Resp: 17925

Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	133.8
176	65.4	0.0	126.0

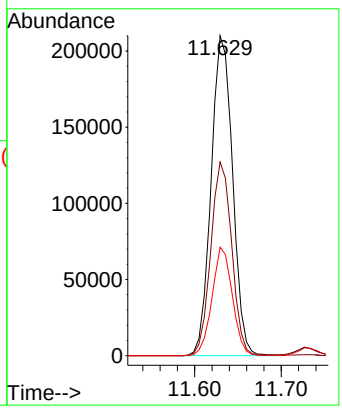




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:117 Resp: 36173

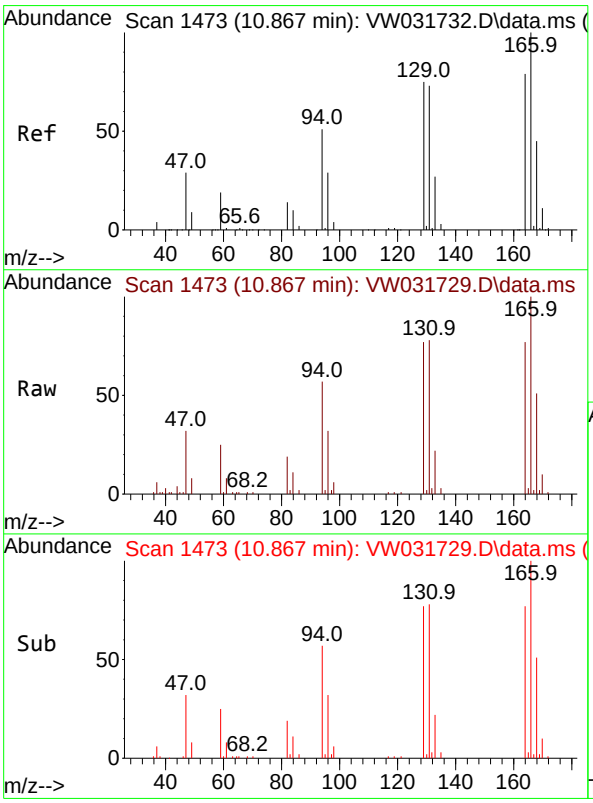
Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	72.8
119	33.9	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

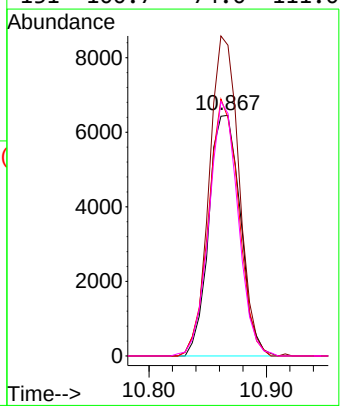
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

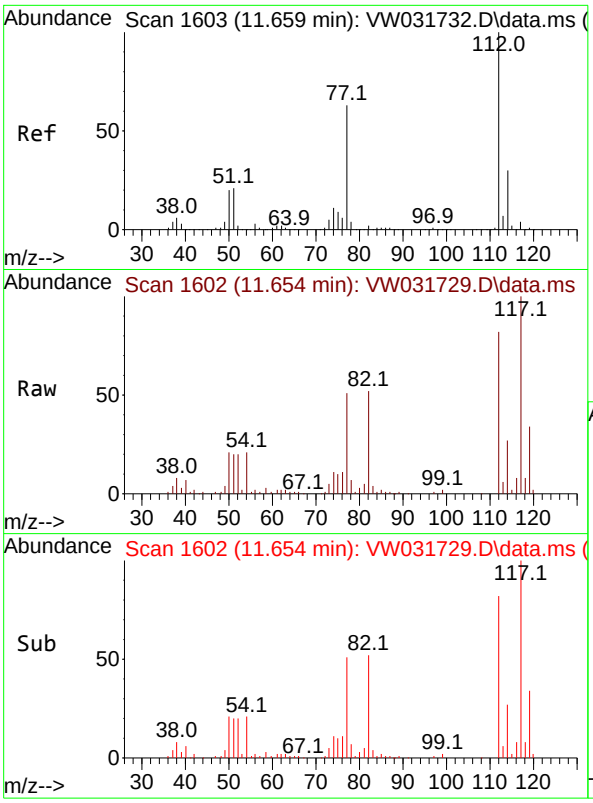


#64
Tetrachloroethene
Concen: 5.068 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:164 Resp: 11991

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.7	151.1
129	98.9	75.4	113.0
131	100.7	74.0	111.0

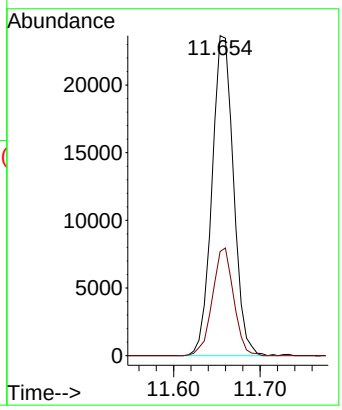




#65
Chlorobenzene
Concen: 5.114 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:112 Resp: 4081

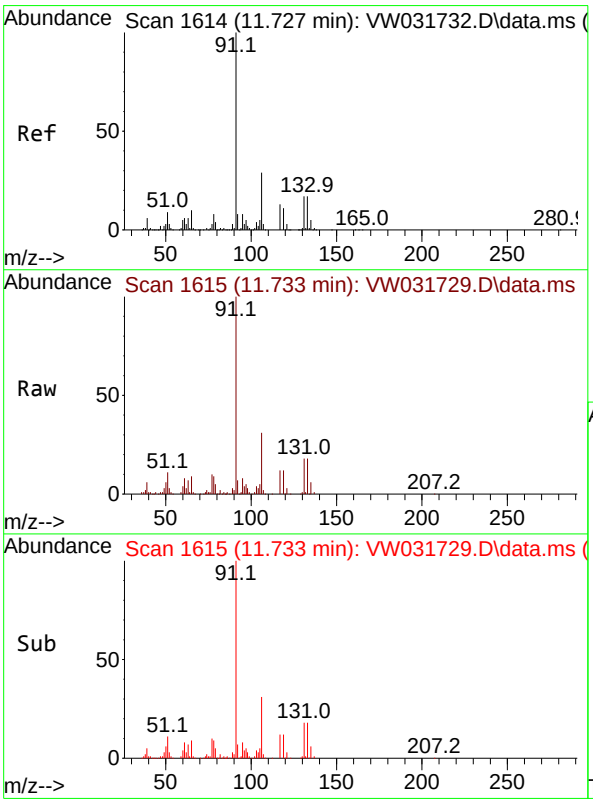
Ion	Ratio	Lower	Upper
112	100		
114	32.5	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

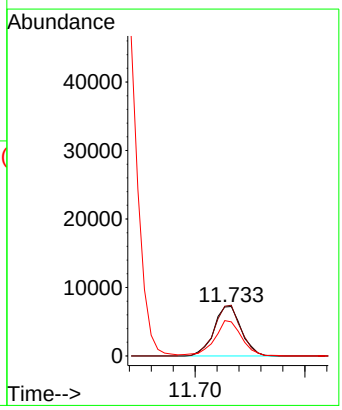
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

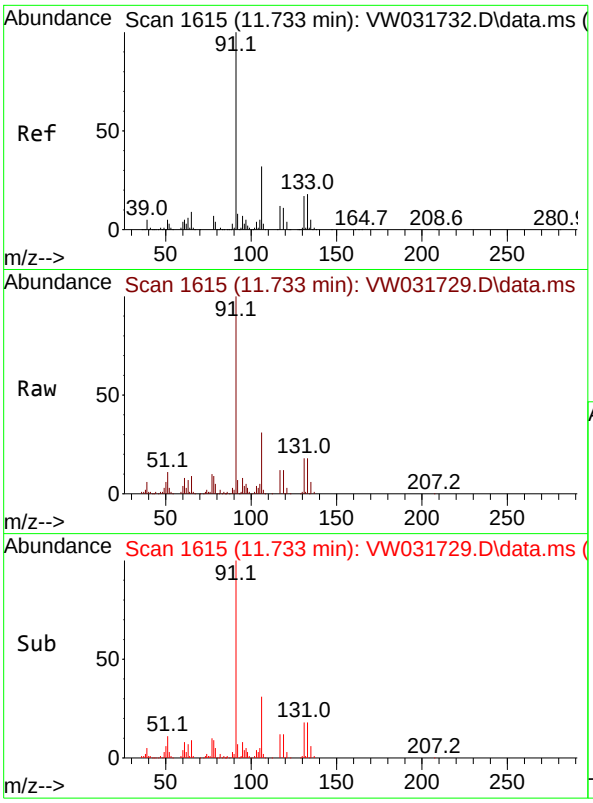


#66
1,1,1,2-Tetrachloroethane
Concen: 4.935 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:131 Resp: 12551

Ion	Ratio	Lower	Upper
131	100		
133	99.1	48.5	145.6
119	70.6	32.5	97.5

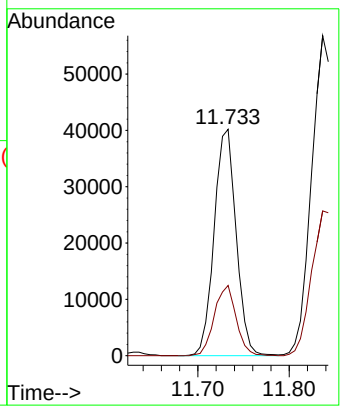




#67
Ethyl Benzene
Concen: 4.862 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 6729

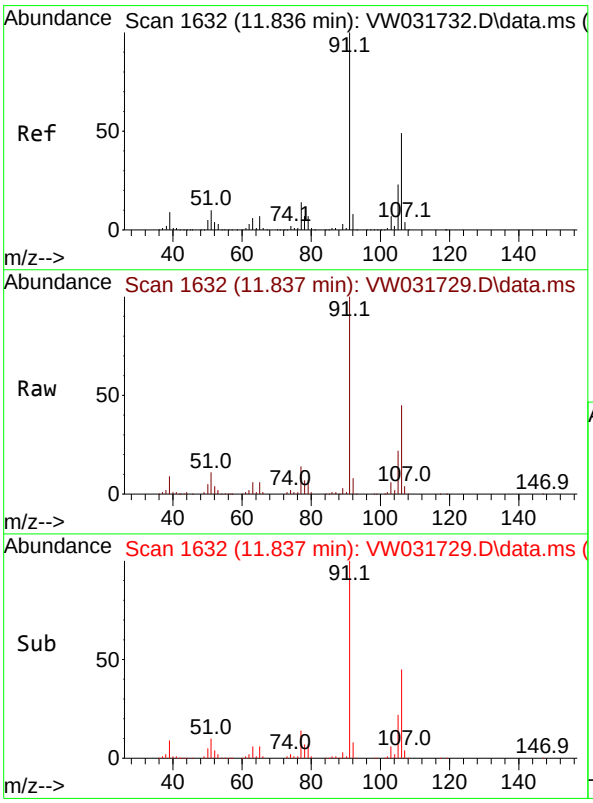
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

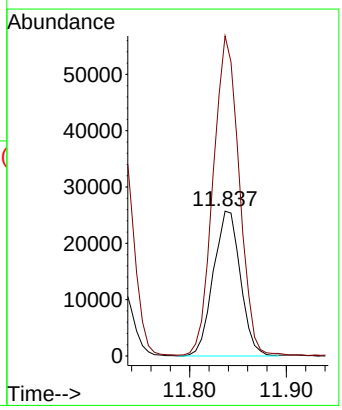
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

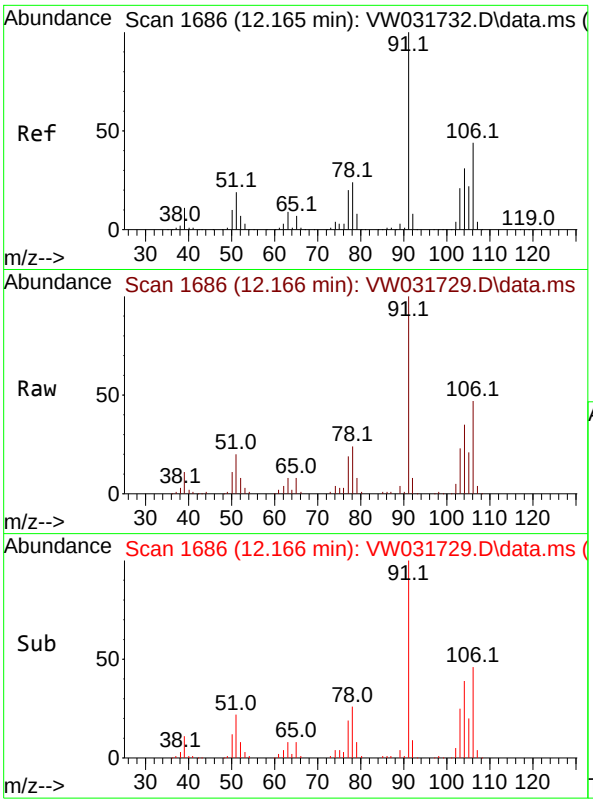


#68
m/p-Xylenes
Concen: 9.378 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:106 Resp: 49892

Ion	Ratio	Lower	Upper
106	100		
91	212.8	166.4	249.6

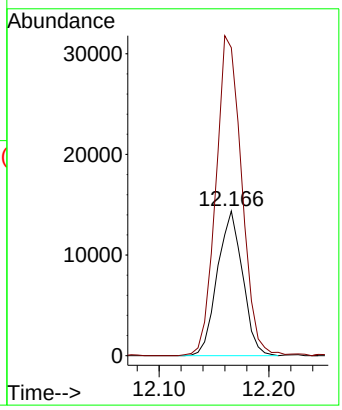




#69
o-Xylene
Concen: 4.668 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:106 Resp: 2299

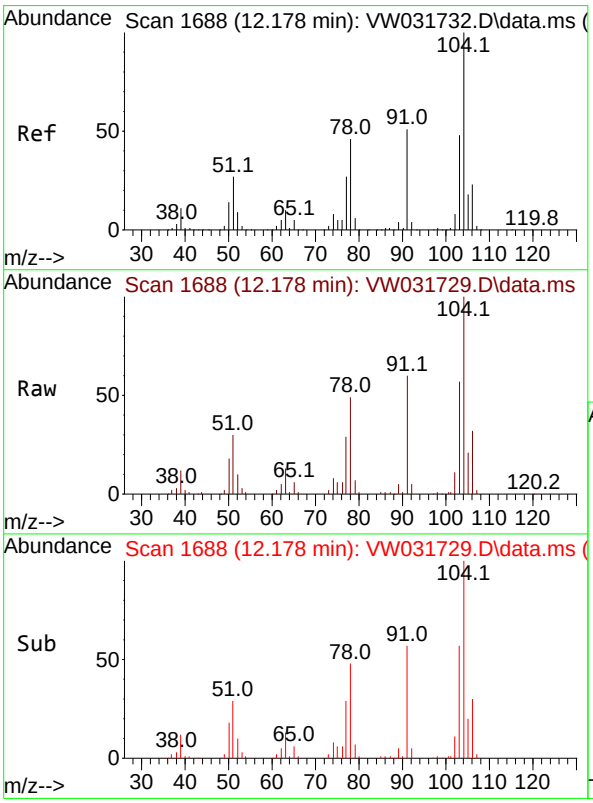
Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

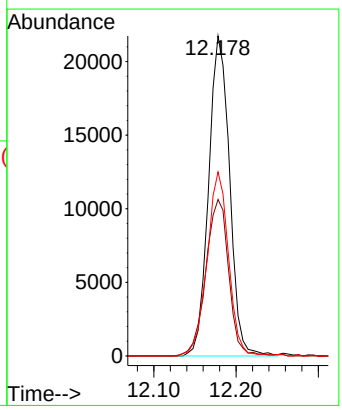
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

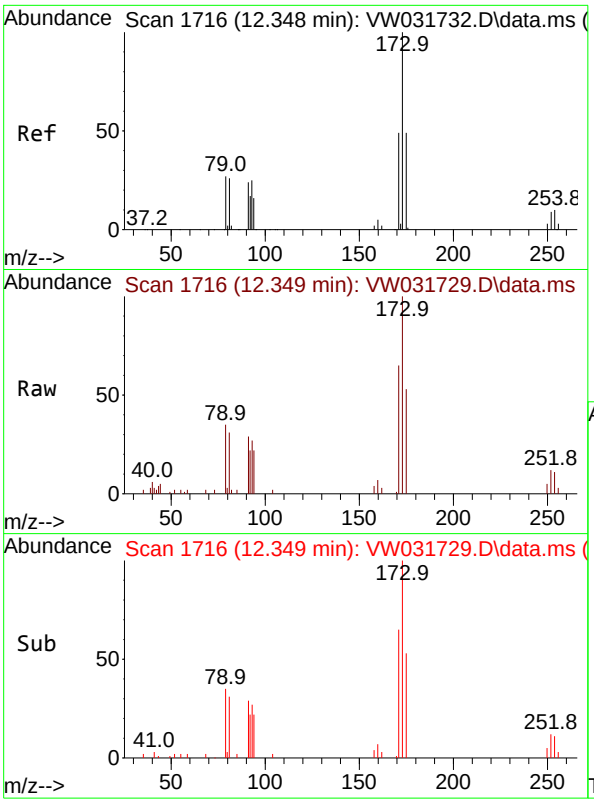


#70
Styrene
Concen: 4.530 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:104 Resp: 38573

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.1	63.1
103	58.7	43.0	64.6

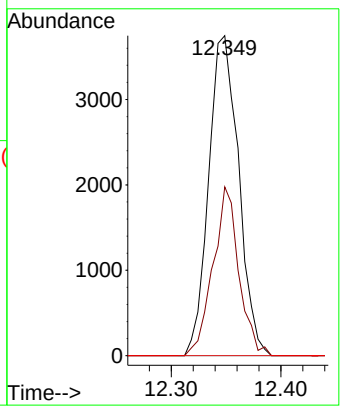




#71
Bromoform
Concen: 4.688 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:173 Resp: 711

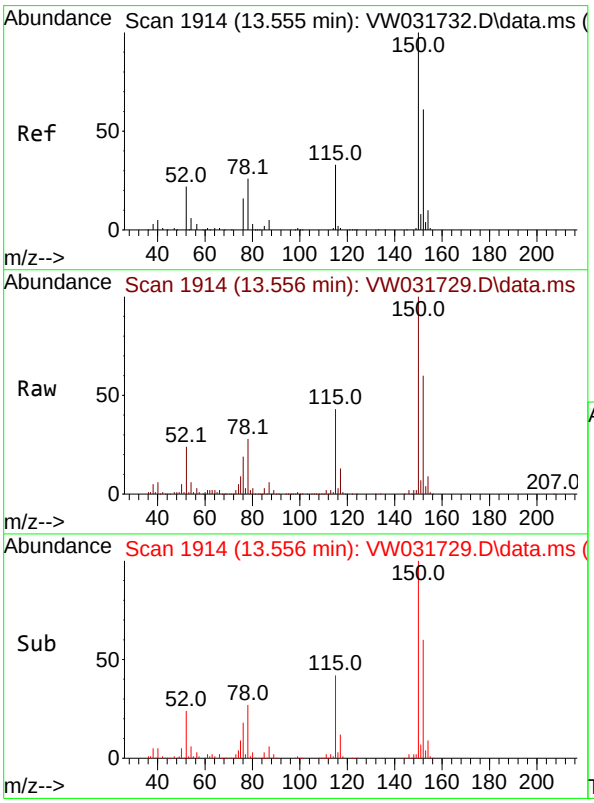
Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

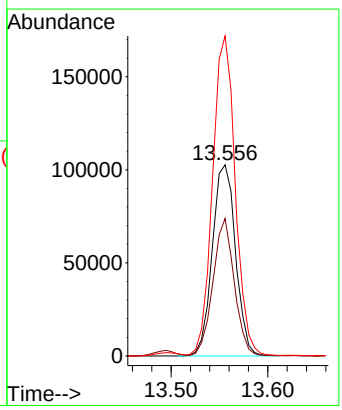
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

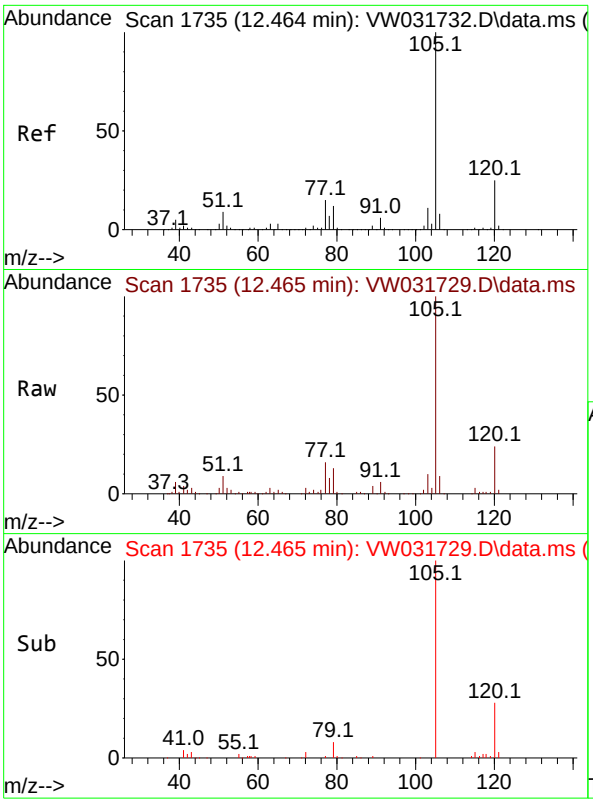


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:152 Resp: 171294

Ion	Ratio	Lower	Upper
152	100		
115	65.7	31.9	95.7
150	162.4	0.0	356.4

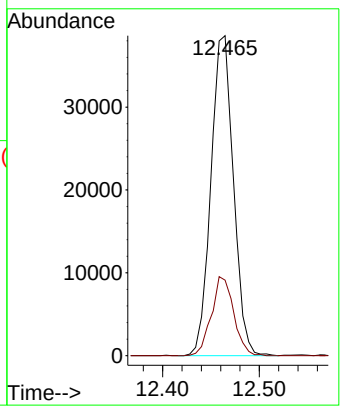




#73
Isopropylbenzene
Concen: 4.790 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 6240

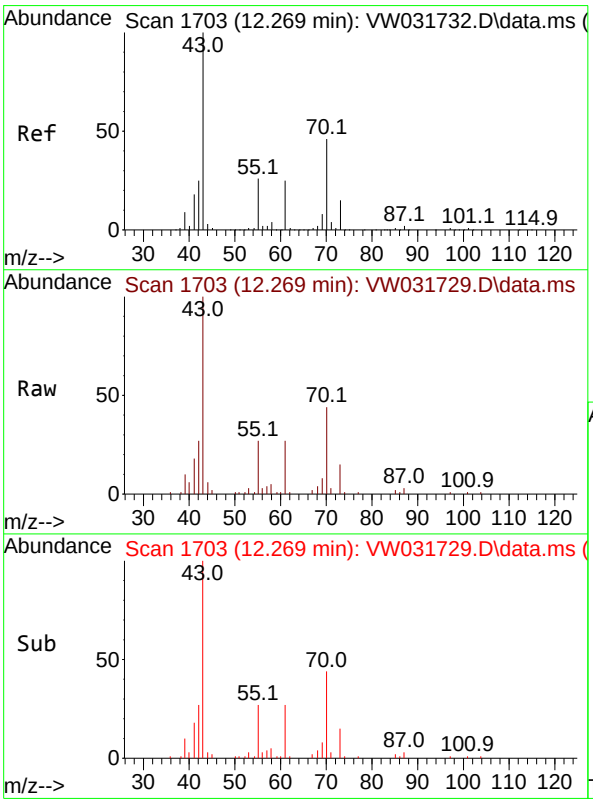
Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

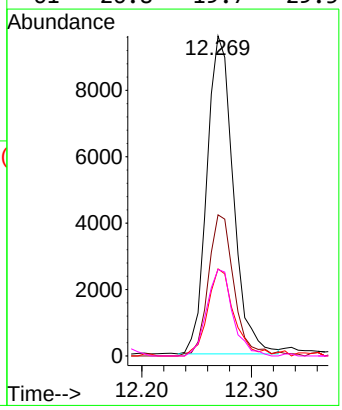
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

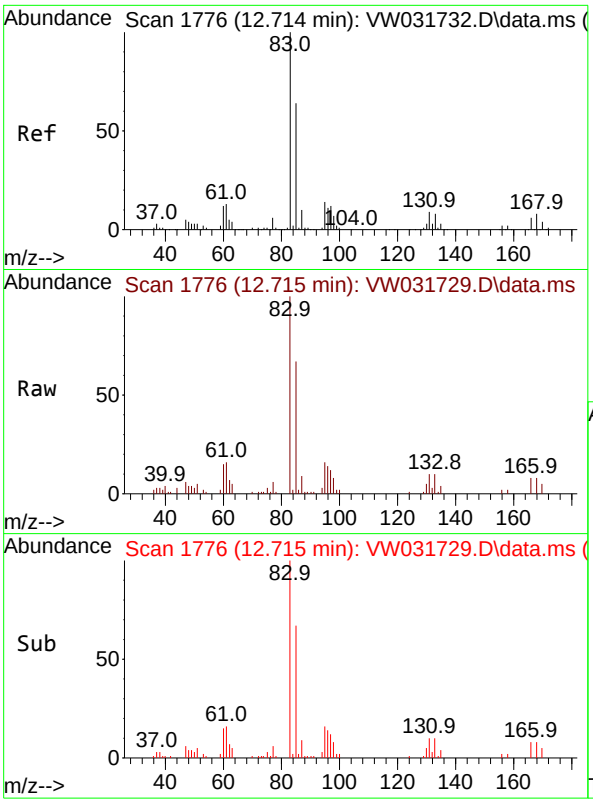


#74
N-amyl acetate
Concen: 4.555 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 15998

Ion	Ratio	Lower	Upper
43	100		
70	43.7	36.0	54.0
55	27.9	20.8	31.2
61	26.8	19.7	29.5

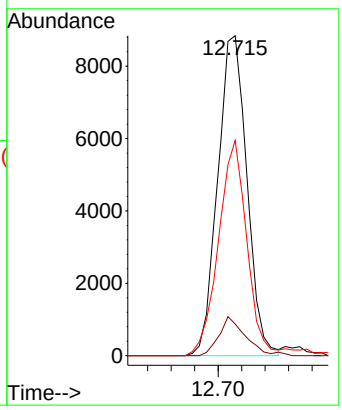




#75
1,1,2,2-Tetrachloroethane
Concen: 5.277 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 83 Resp: 1526

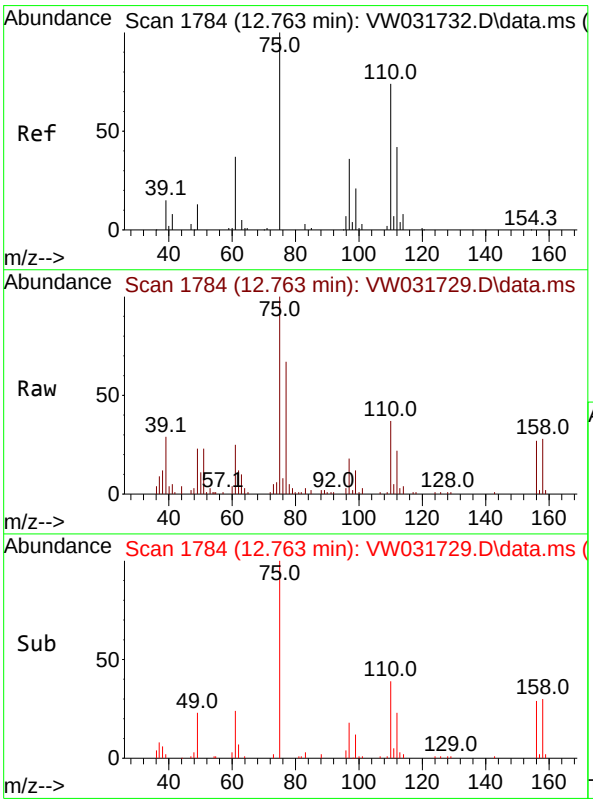
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	16.1
85	65.0	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

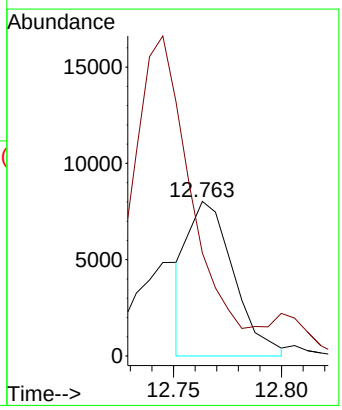
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

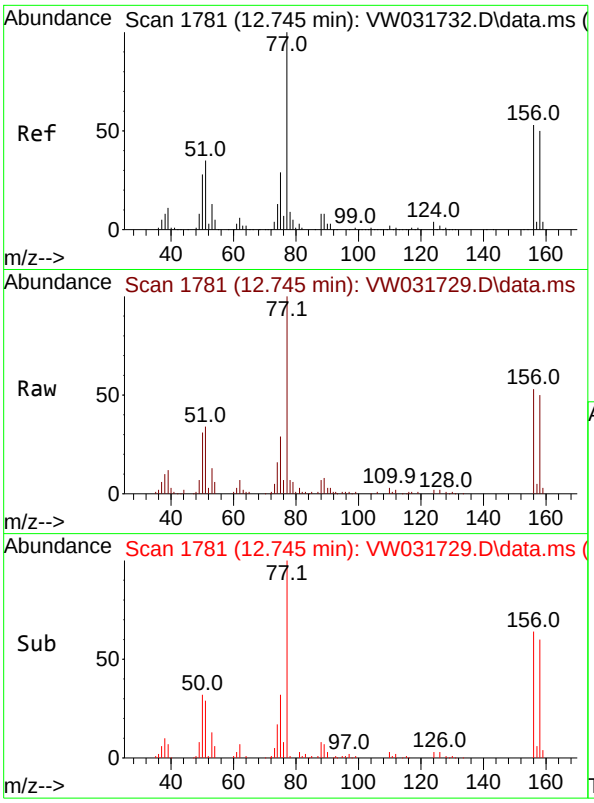


#76
1,2,3-Trichloropropane
Concen: 5.361 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 11866

Ion	Ratio	Lower	Upper
75	100		
77	274.7	141.2	423.6

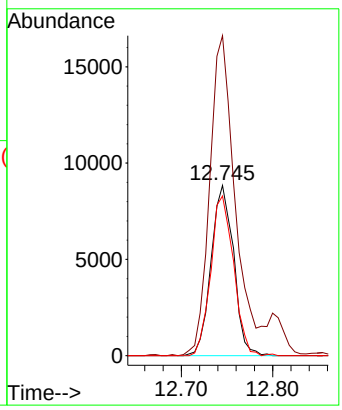




#77
Bromobenzene
Concen: 5.207 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:156 Resp: 1513

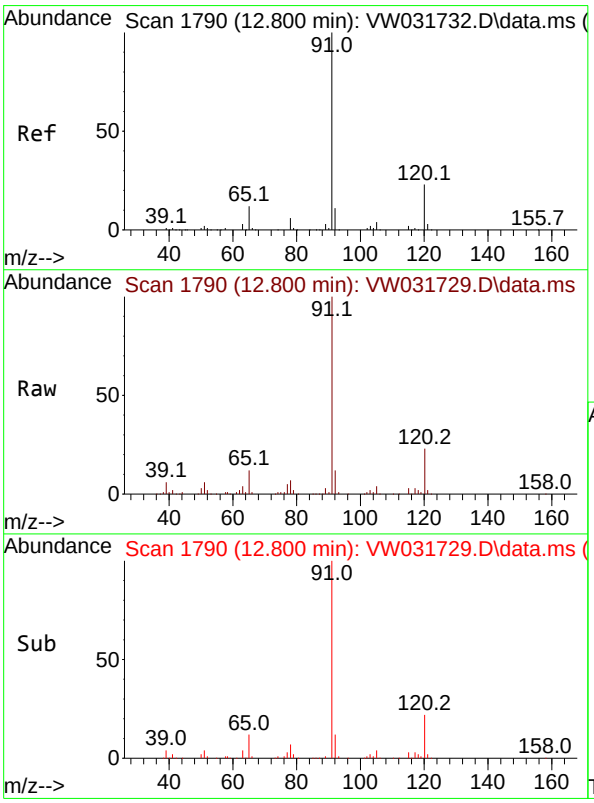
Ion	Ratio	Lower	Upper
156	100		
77	215.4	117.9	353.7
158	95.3	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

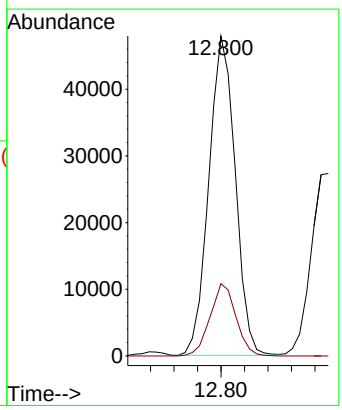
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

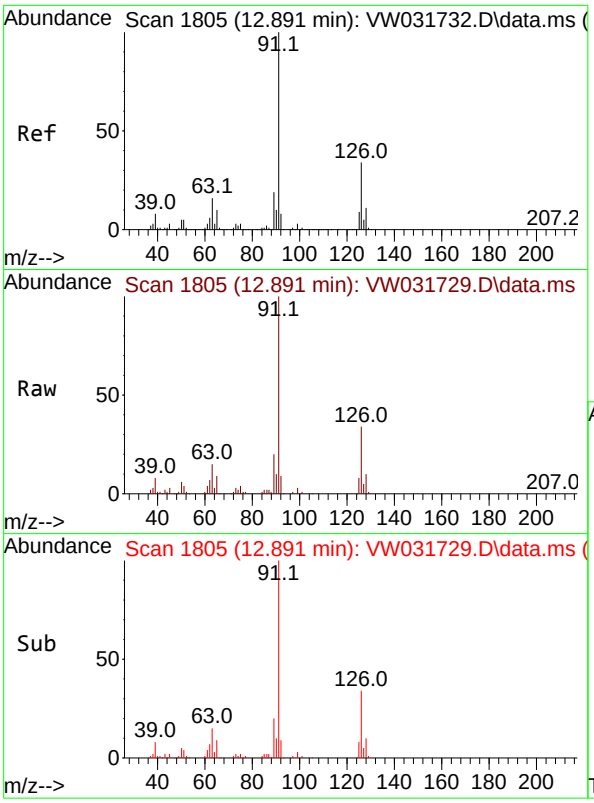


#78
n-propylbenzene
Concen: 4.797 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 74850

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4

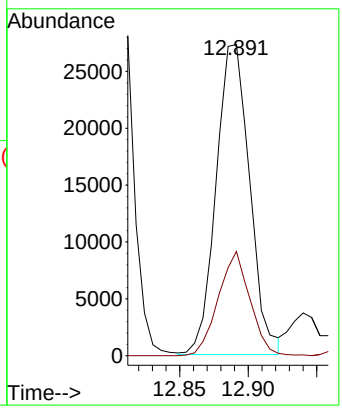




#79
2-Chlorotoluene
Concen: 4.954 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 4654

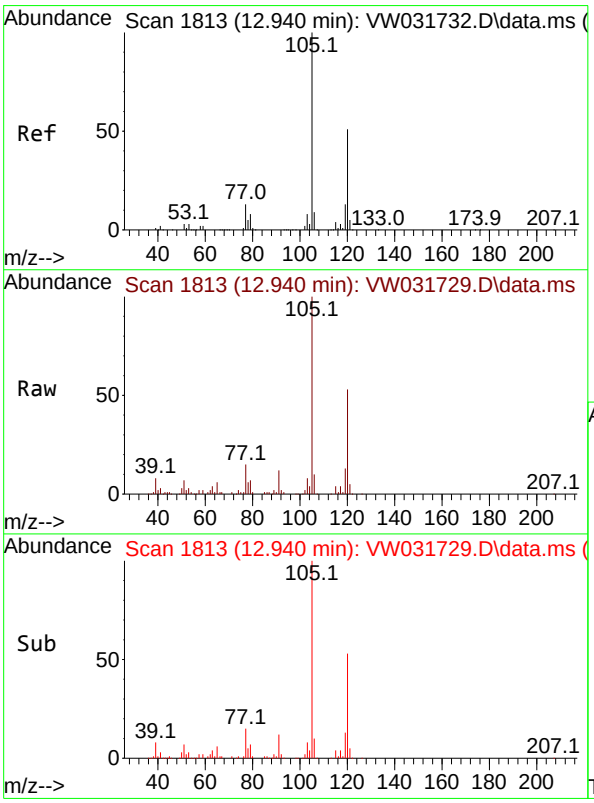
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

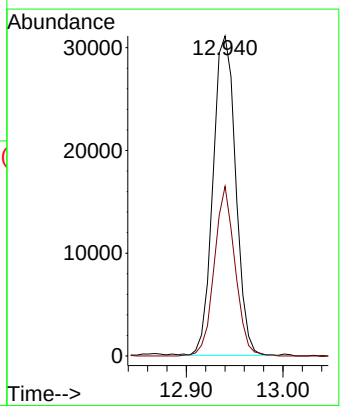
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

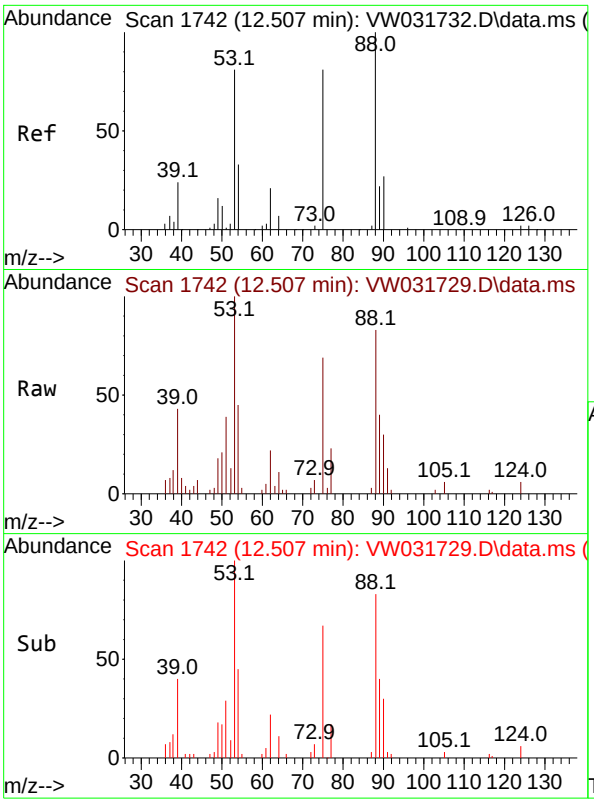


#80
1,3,5-Trimethylbenzene
Concen: 4.680 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 50477

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.8	71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 4.408 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

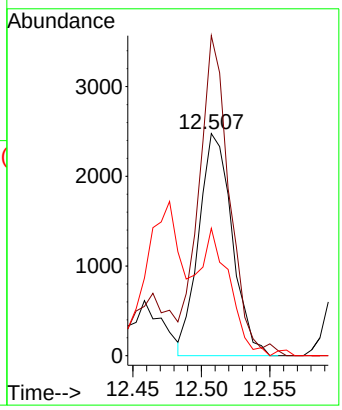
Tgt Ion: 75 Resp: 418

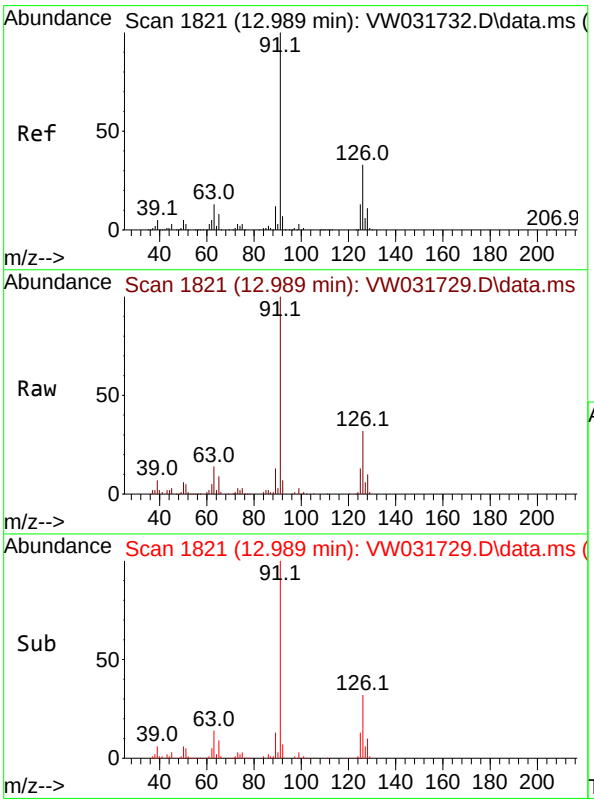
Ion	Ratio	Lower	Upper
75	100		
53	132.0	83.5	125.3#
89	46.3	38.3	57.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

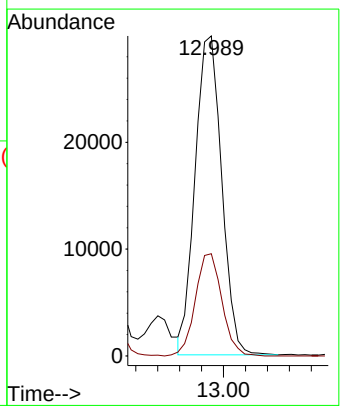


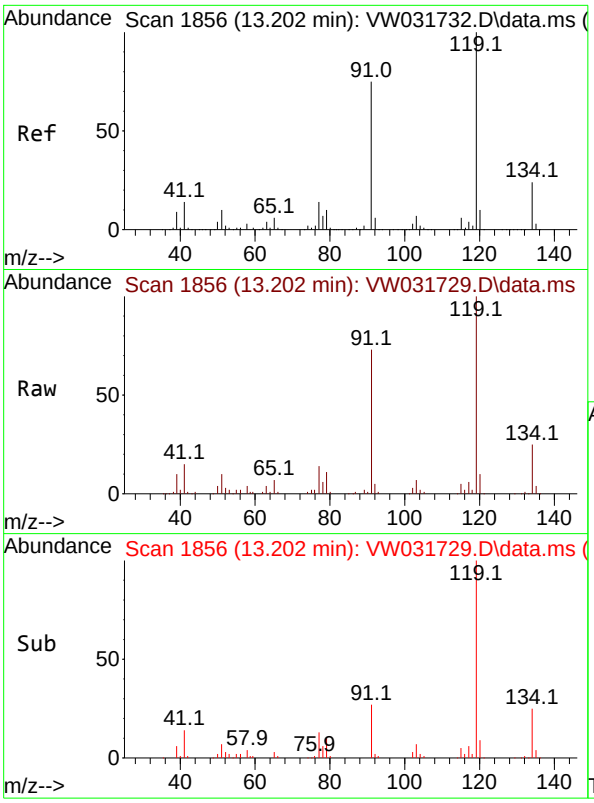


#82
4-Chlorotoluene
Concen: 5.098 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 50283

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9

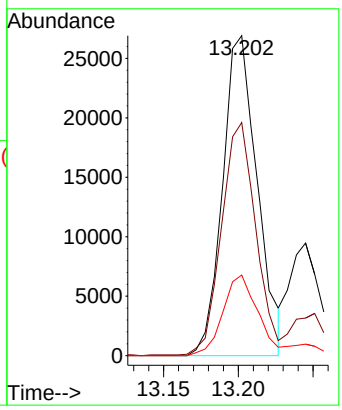




#83
tert-Butylbenzene
Concen: 4.694 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:119 Resp: 4337

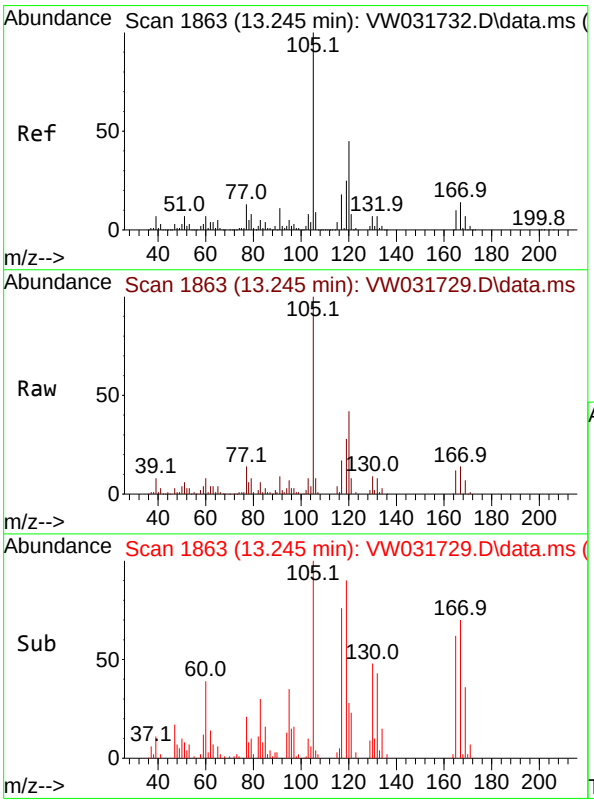
Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.0	108.1
134	25.8	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

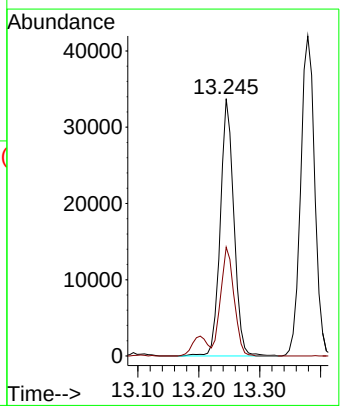
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

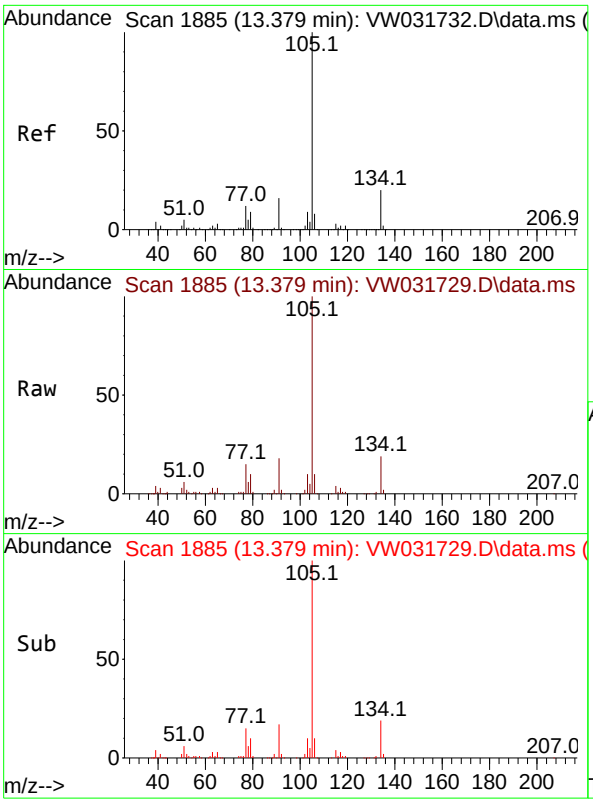


#84
1,2,4-Trimethylbenzene
Concen: 4.788 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 52319

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1

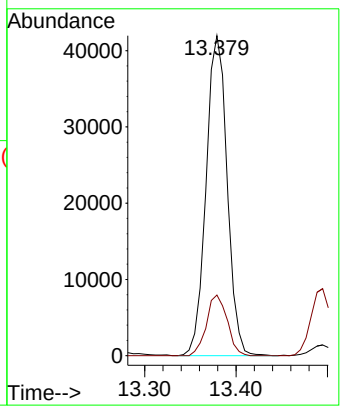




#85
sec-Butylbenzene
Concen: 4.835 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 6704

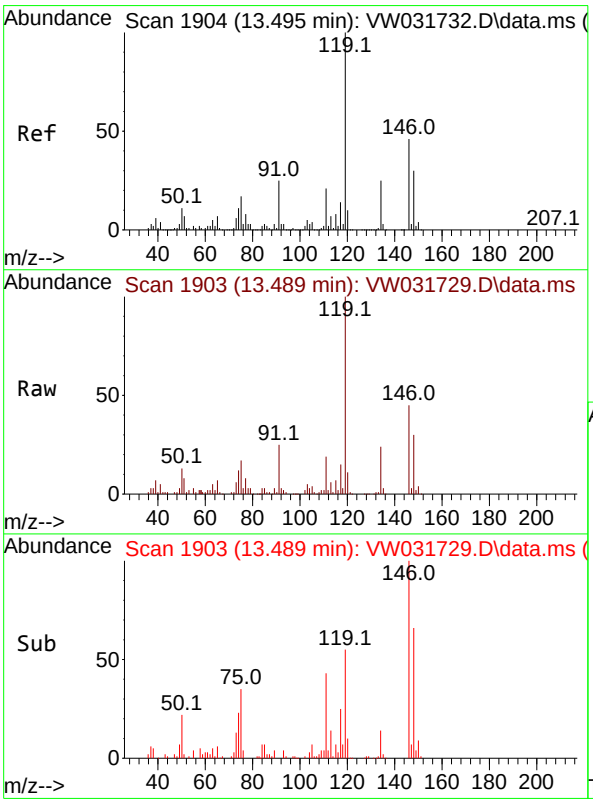
Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

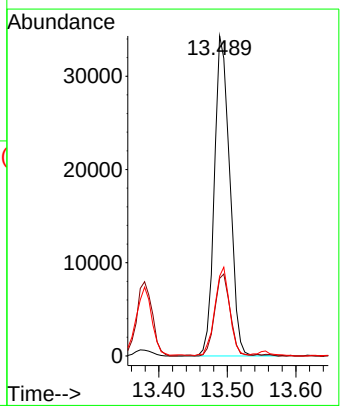
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

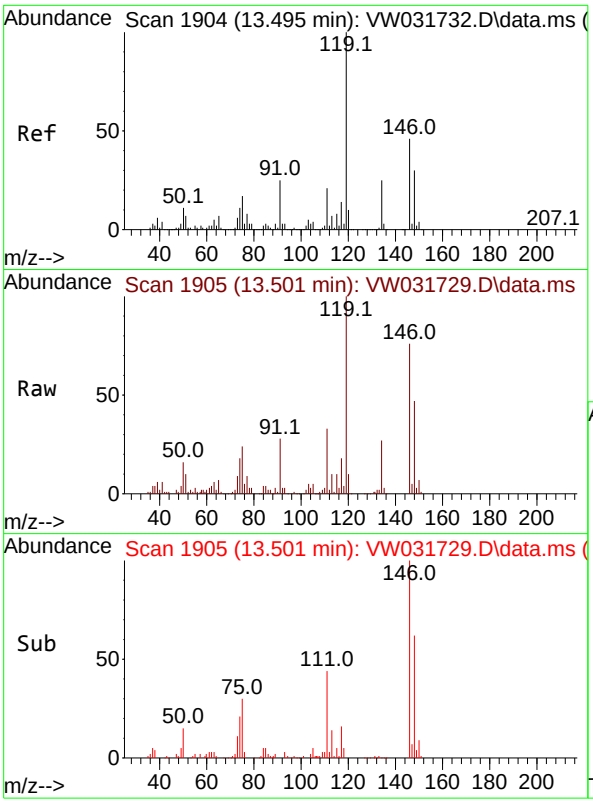


#86
p-Isopropyltoluene
Concen: 4.681 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:119 Resp: 53492

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	26.8	12.7	38.0

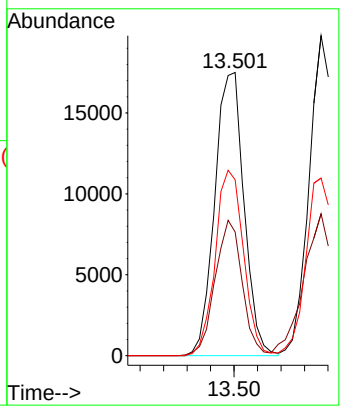




#87
1,3-Dichlorobenzene
Concen: 5.206 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:146 Resp: 3034

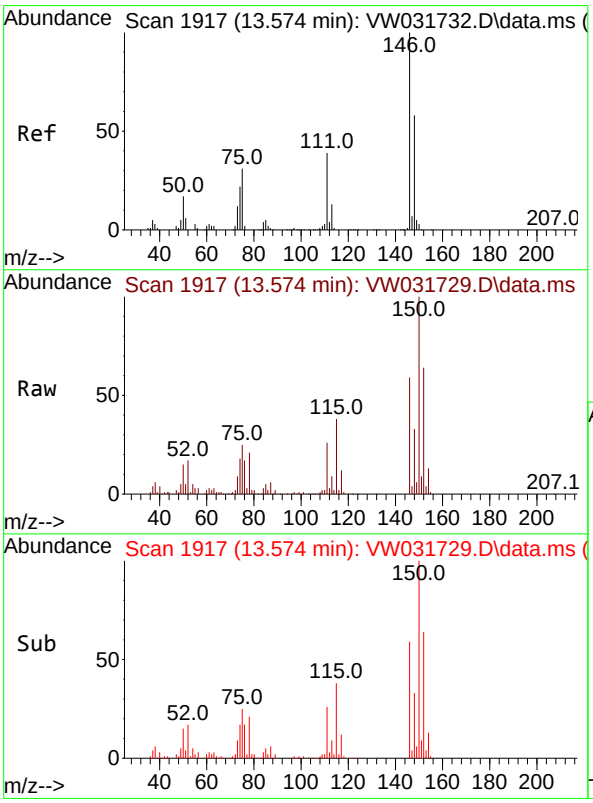
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.3	66.9
148	63.6	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

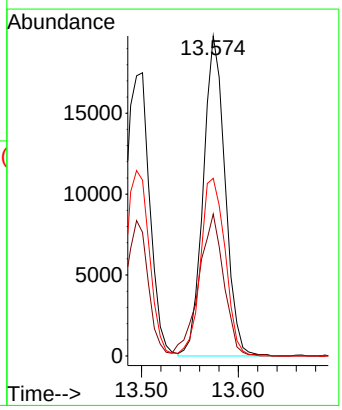
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

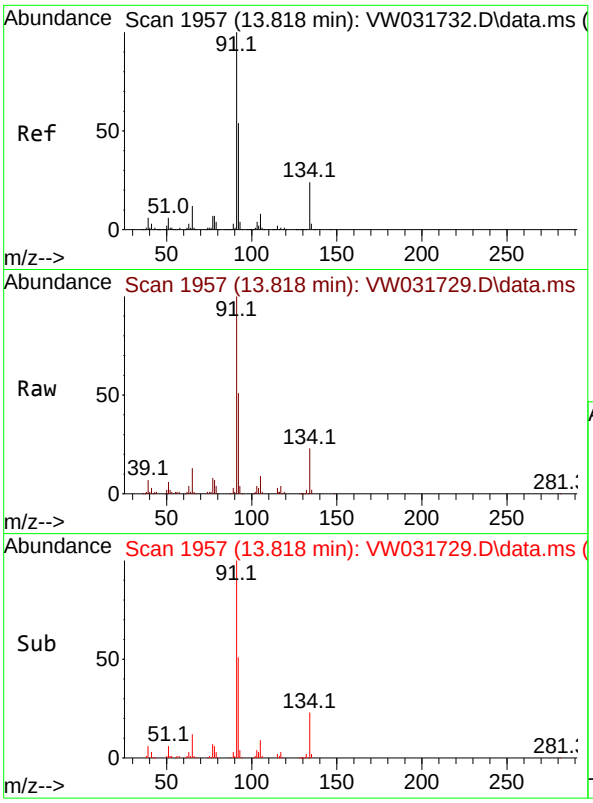


#88
1,4-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:146 Resp: 31083

Ion	Ratio	Lower	Upper
146	100		
111	50.9	20.4	61.3
148	62.2	30.2	90.6

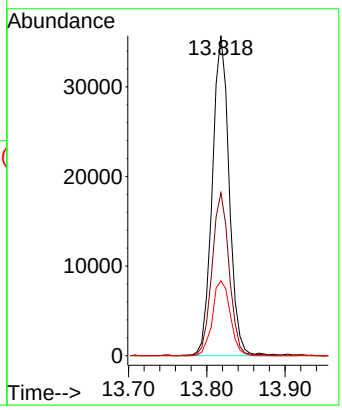




#89
n-Butylbenzene
Concen: 4.823 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 5355

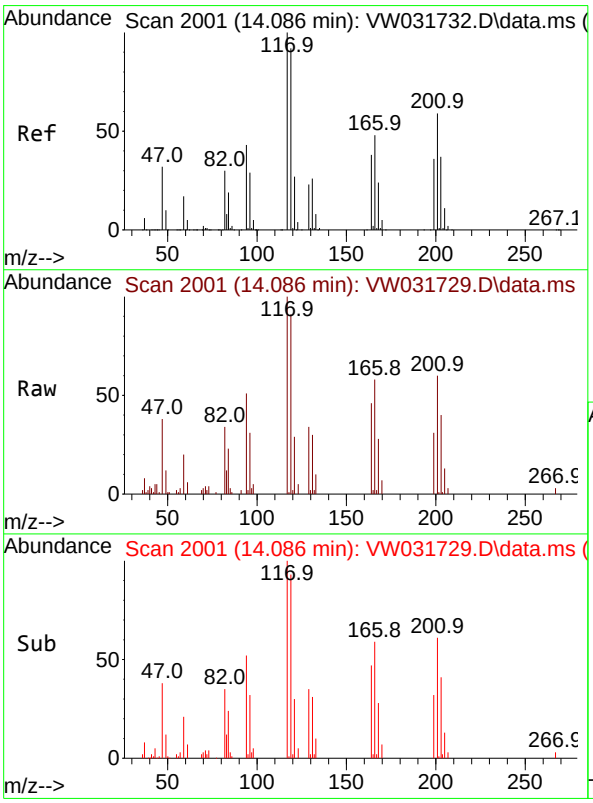
Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.2	81.5
134	24.6	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

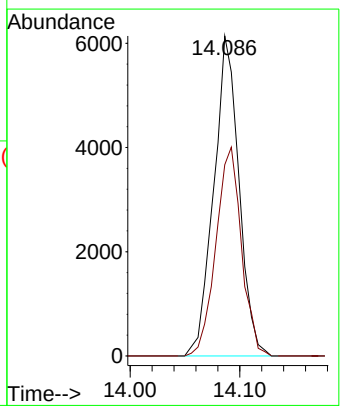
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

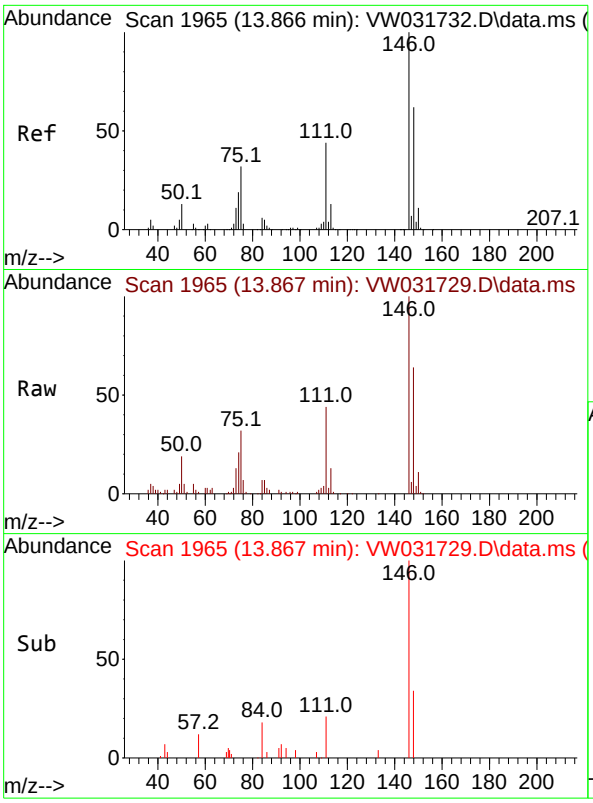


#90
Hexachloroethane
Concen: 4.761 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:117 Resp: 9816

Ion	Ratio	Lower	Upper
117	100		
201	66.0	31.1	93.3

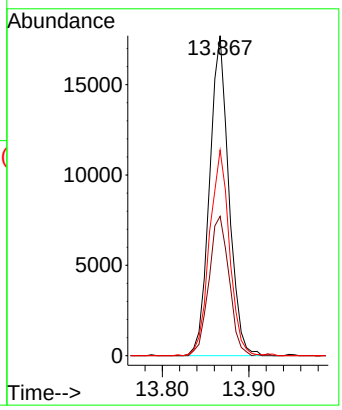




#91
1,2-Dichlorobenzene
Concen: 5.143 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:146 Resp: 2739

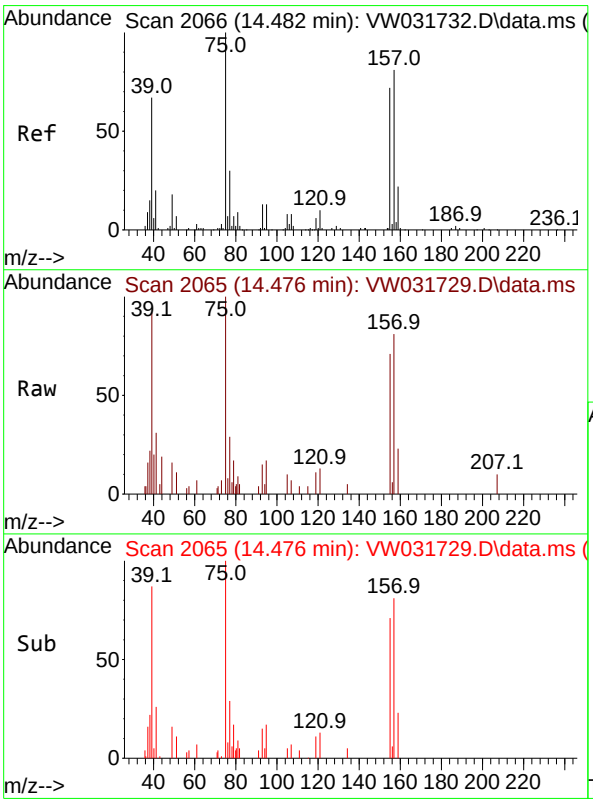
Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.7	65.1
148	66.4	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

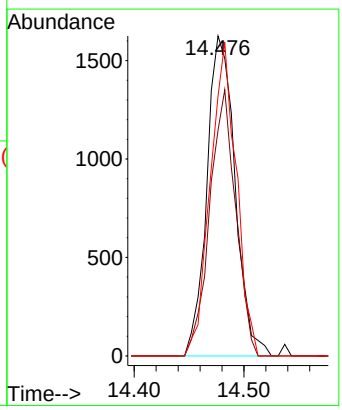
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

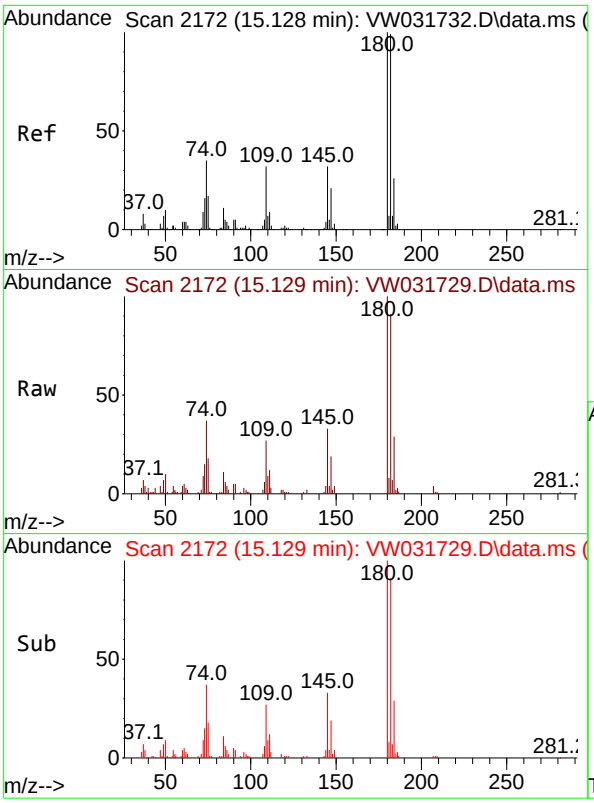


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 2902

Ion	Ratio	Lower	Upper
75	100		
155	76.8	37.2	111.6
157	90.5	45.6	136.9

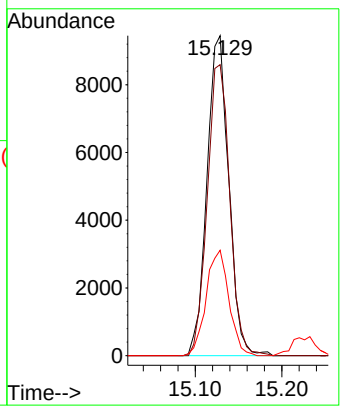




#93
1,2,4-Trichlorobenzene
Concen: 5.030 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:180 Resp: 1652

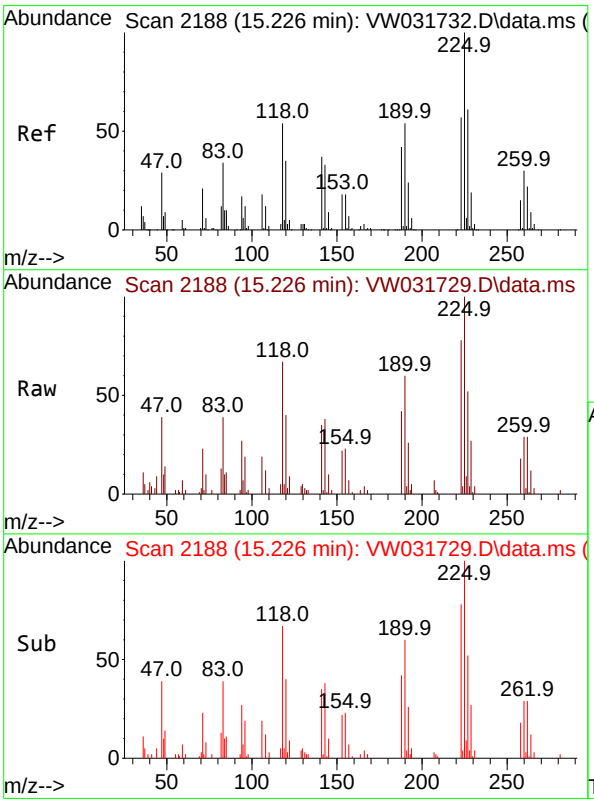
Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.6	145.9
145	34.5	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

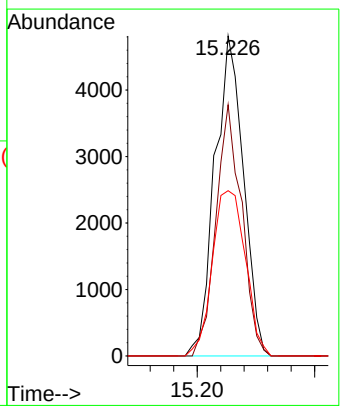
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

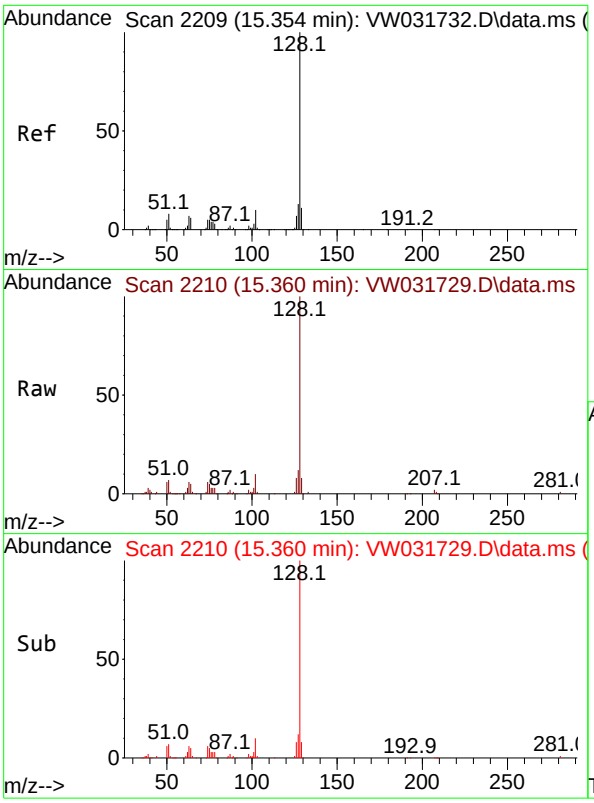


#94
Hexachlorobutadiene
Concen: 5.120 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:225 Resp: 8122

Ion	Ratio	Lower	Upper
225	100		
223	70.6	32.6	97.8
227	59.9	37.3	111.8

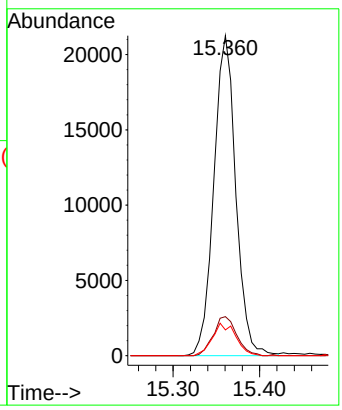




#95
Naphthalene
Concen: 4.647 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:128 Resp: 3742

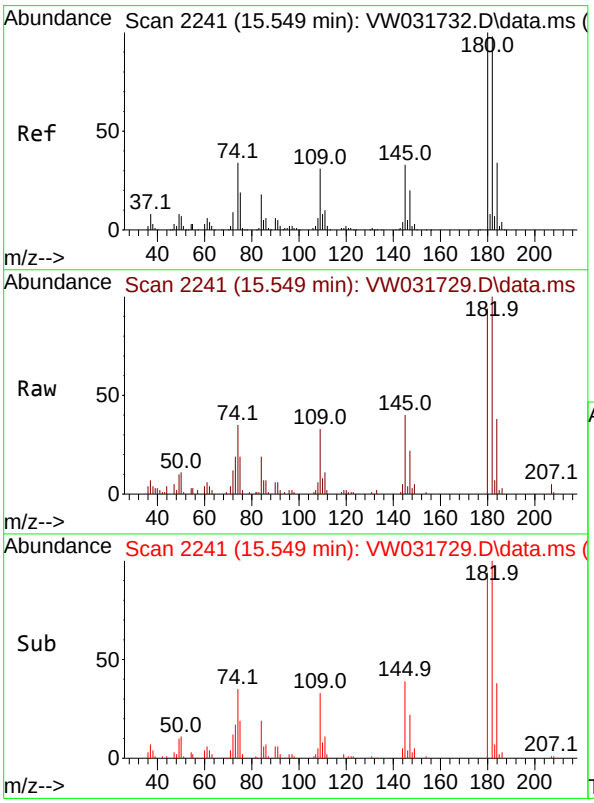
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.9	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

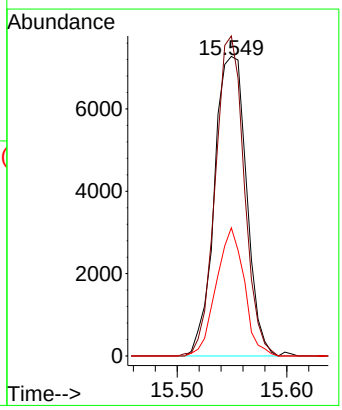
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.895 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:180 Resp: 14775

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.4	139.1
145	37.3	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.400%#		
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.880%#		
50) Toluene-d8	10.325	98	96344	10.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.500%#		
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l	94
3) Chloromethane	2.253	50	17744	9.993	ug/l	99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l	95
5) Bromomethane	2.820	94	18643	10.226	ug/l	94
6) Chloroethane	2.966	64	16074	10.139	ug/l	91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l	94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l	99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l	99
11) Tert butyl alcohol	5.234	59	10031m	52.167	ug/l	
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l	95
13) Acrolein	3.929	56	18553	53.683	ug/l	100
14) Allyl chloride	4.704	41	39145	9.900	ug/l	100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l	99
16) Acetone	4.161	43	41372	53.597	ug/l	97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l	98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l	95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l	87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l	95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l	98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l	99
25) 2-Butanone	7.197	43	48340	48.435	ug/l	97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l	99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l	98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l	98
30) Chloroform	7.691	83	53600	10.090	ug/l	99
31) Cyclohexane	7.971	56	46081	10.427	ug/l #	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l	98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l	99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l	99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l	97
40) Benzene	8.337	78	107869	9.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485	ug/l		87
42) 1,2-Dichloroethane	8.416	62	37957	10.390	ug/l		99
43) Isopropyl Acetate	8.441	43	39393	9.913	ug/l		99
44) Trichloroethene	9.099	130	26788	9.927	ug/l		98
45) 1,2-Dichloropropane	9.380	63	26605	10.181	ug/l		97
46) Dibromomethane	9.471	93	16818	9.969	ug/l		96
47) Bromodichloromethane	9.654	83	39595	10.009	ug/l		98
48) Methyl methacrylate	9.447	41	20612	10.549	ug/l		96
49) 1,4-Dioxane	9.465	88	4204m	234.072	ug/l		
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050	ug/l		99
52) Toluene	10.392	92	69506	10.041	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588	ug/l		94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872	ug/l	#	88
56) Ethyl methacrylate	10.648	69	28317	9.445	ug/l		99
57) 1,3-Dichloropropane	10.934	76	40528	10.446	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578	ug/l		98
59) 2-Hexanone	10.971	43	77810	50.260	ug/l		97
60) Dibromochloromethane	11.129	129	25734	9.738	ug/l		96
61) 1,2-Dibromoethane	11.233	107	22082	9.981	ug/l		100
64) Tetrachloroethene	10.861	164	22144	9.801	ug/l		90
65) Chlorobenzene	11.654	112	77068	10.113	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975	ug/l		98
67) Ethyl Benzene	11.733	91	131184	9.927	ug/l		98
68) m/p-Xylenes	11.836	106	100863	19.856	ug/l		98
69) o-Xylene	12.166	106	45204	9.611	ug/l		97
70) Styrene	12.184	104	79722	9.805	ug/l		98
71) Bromoform	12.355	173	13967	9.641	ug/l	#	99
73) Isopropylbenzene	12.464	105	120857	9.331	ug/l		100
74) N-amyl acetate	12.275	43	33049	9.467	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	22177m	10.079	ug/l		
77) Bromobenzene	12.745	156	27969	9.682	ug/l		91
78) n-propylbenzene	12.800	91	150962	9.734	ug/l		98
79) 2-Chlorotoluene	12.885	91	90162	9.654	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808	ug/l		92
82) 4-Chlorotoluene	12.989	91	95411	9.731	ug/l		99
83) tert-Butylbenzene	13.202	119	87194	9.495	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651	ug/l		100
85) sec-Butylbenzene	13.379	105	132016	9.578	ug/l		99
86) p-Isopropyltoluene	13.495	119	107805	9.490	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051	ug/l		94
89) n-Butylbenzene	13.818	91	105923	9.597	ug/l		99
90) Hexachloroethane	14.086	117	19306	9.420	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371	ug/l		98
94) Hexachlorobutadiene	15.226	225	15982	10.136	ug/l		91
95) Naphthalene	15.360	128	71758	8.964	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

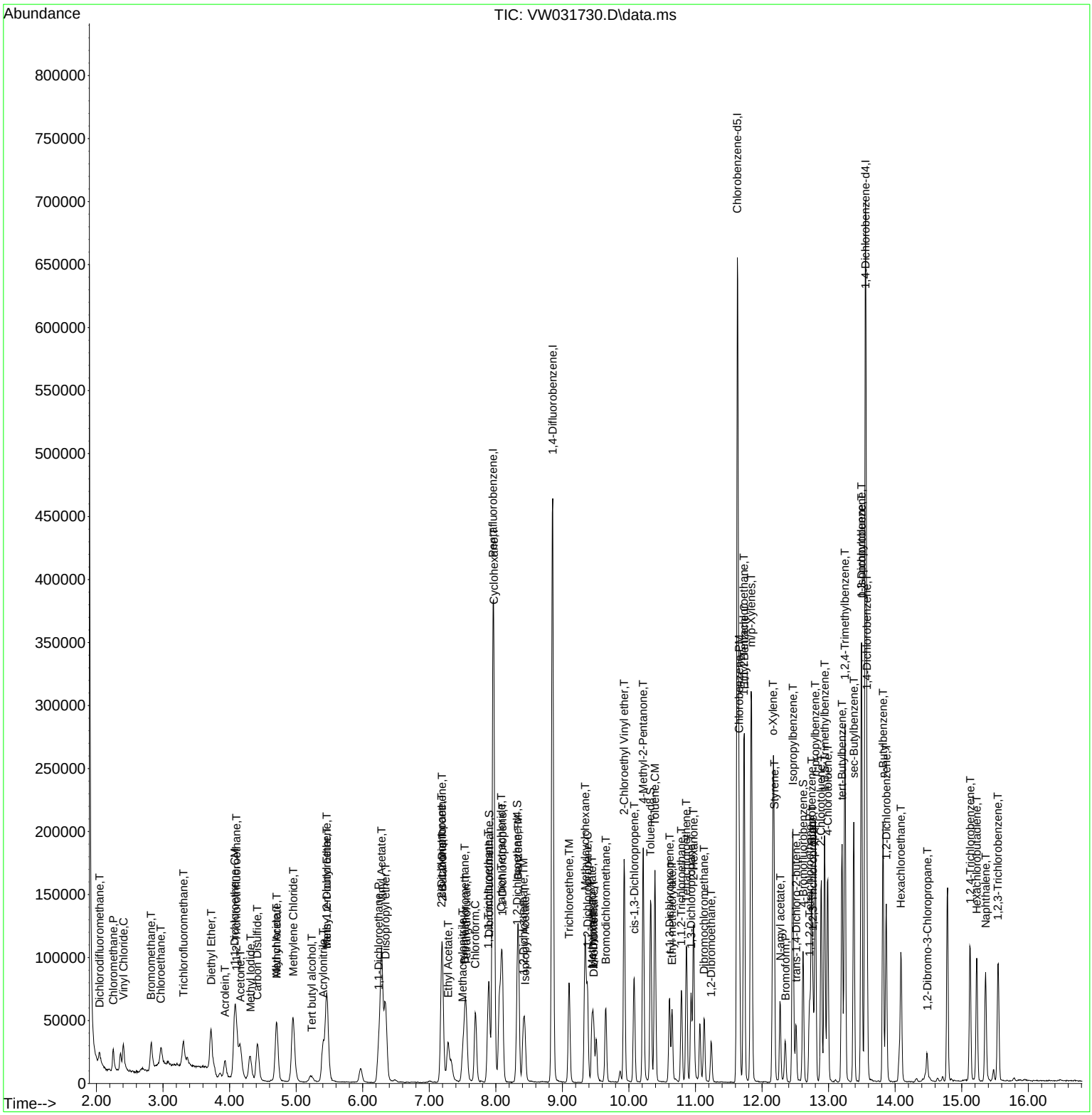
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

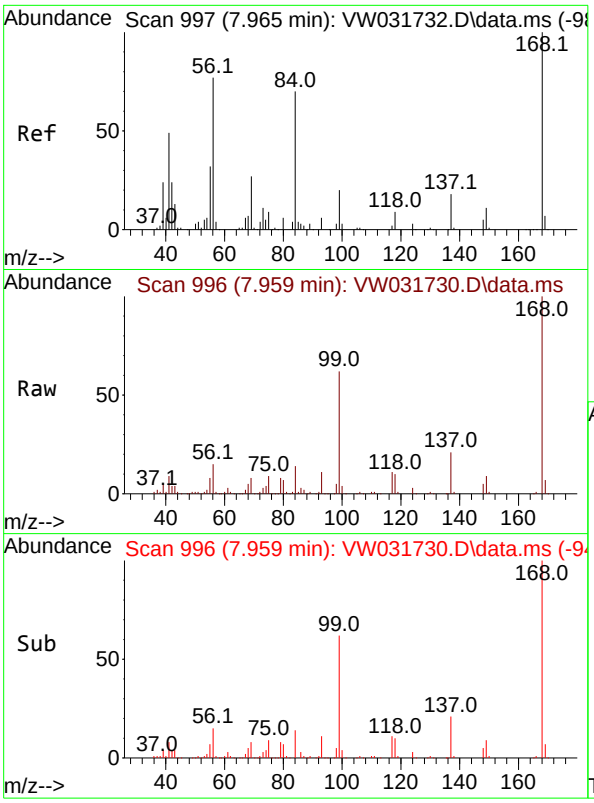
Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

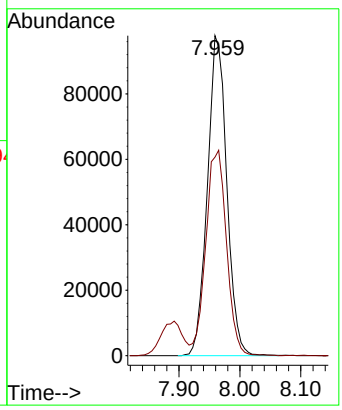




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:168 Resp: 21627

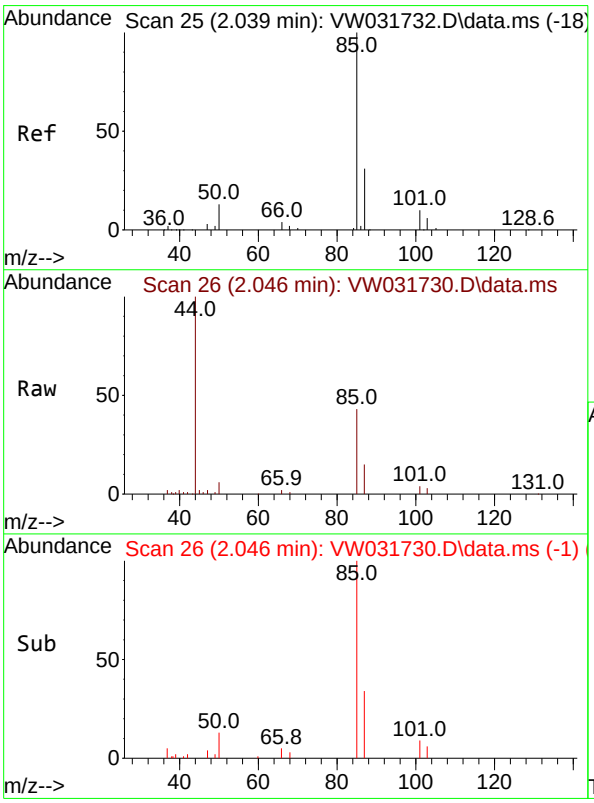
Ion	Ratio	Lower	Upper
168	100		
99	62.1	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

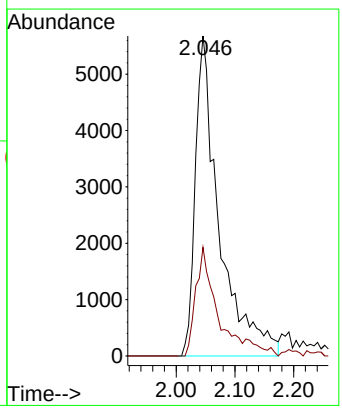
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

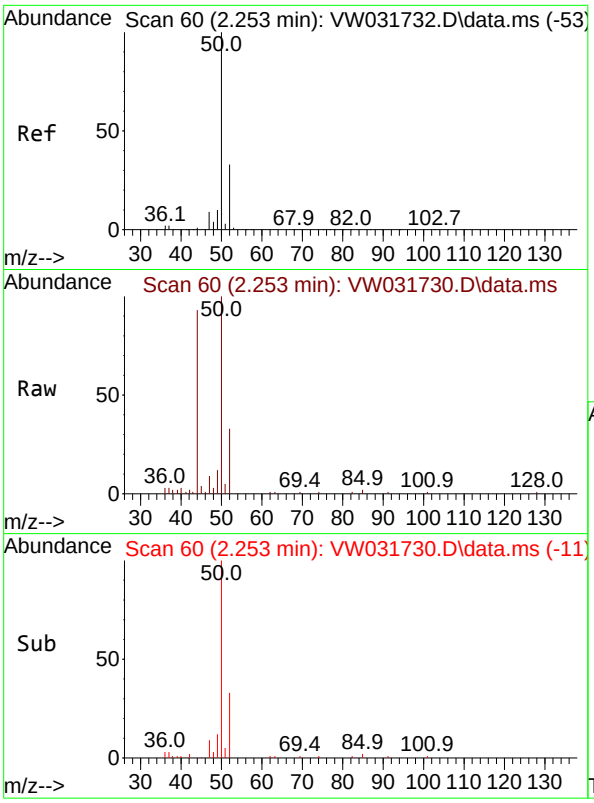


#2
Dichlorodifluoromethane
Concen: 10.893 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 85 Resp: 16044

Ion	Ratio	Lower	Upper
85	100		
87	33.9	15.4	46.2

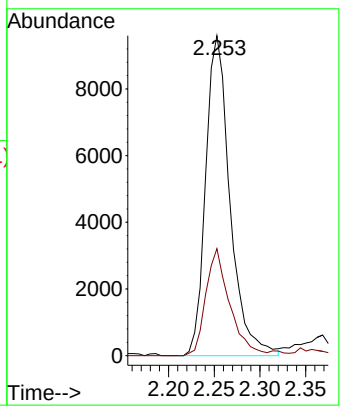




#3
Chloromethane
Concen: 9.993 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 50 Resp: 1774

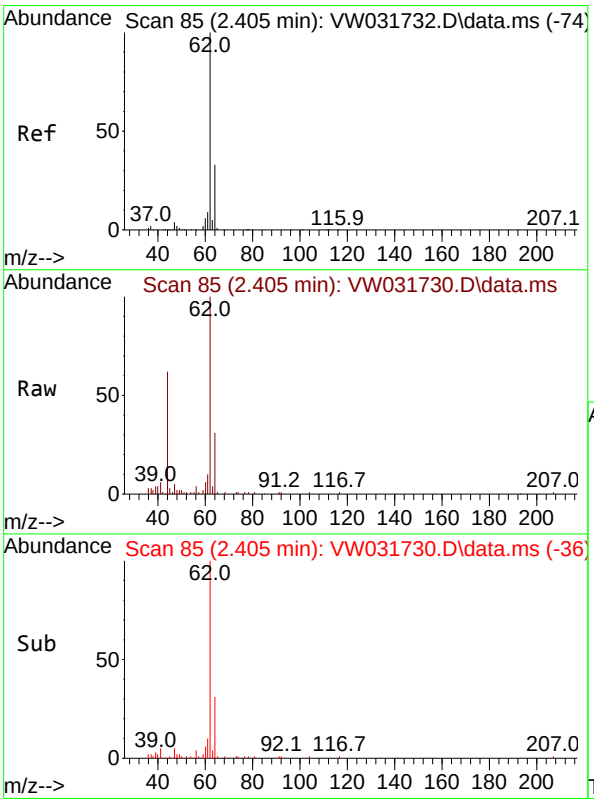
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

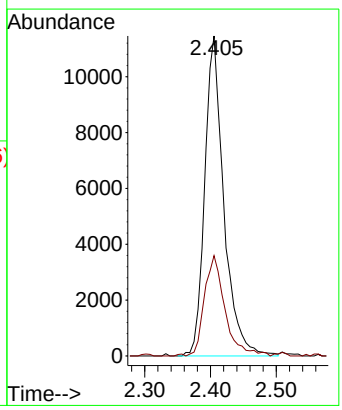
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

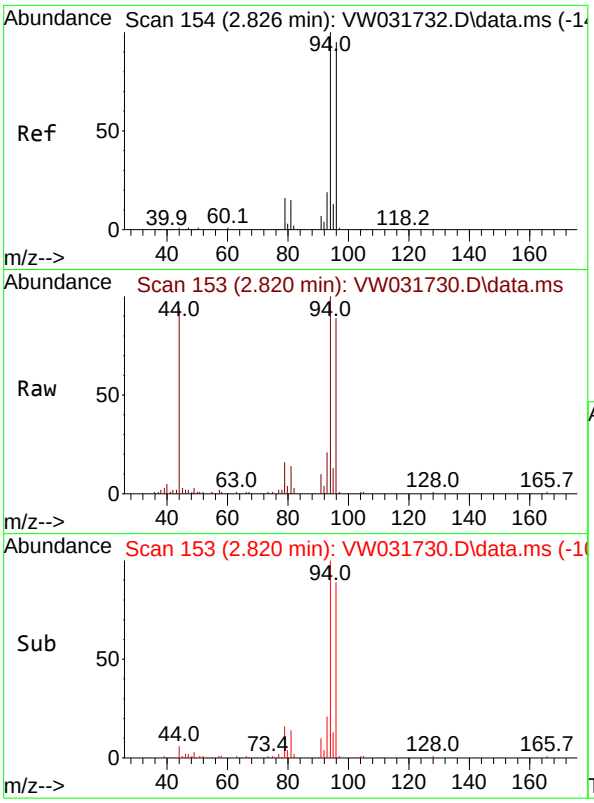


#4
Vinyl Chloride
Concen: 9.902 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 23112

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.8	40.2

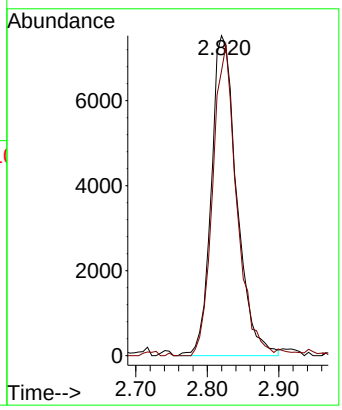




#5
Bromomethane
Concen: 10.226 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 94 Resp: 1864

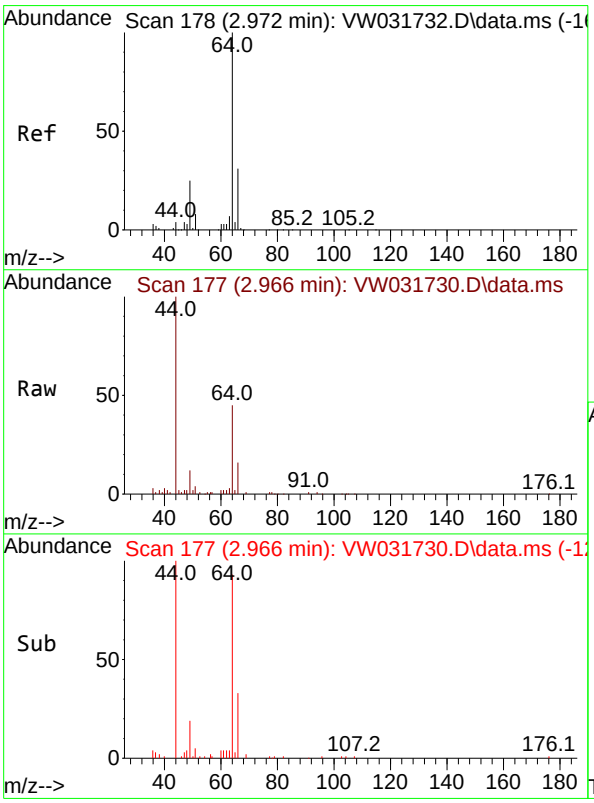
Ion	Ratio	Lower	Upper
94	100		
96	89.0	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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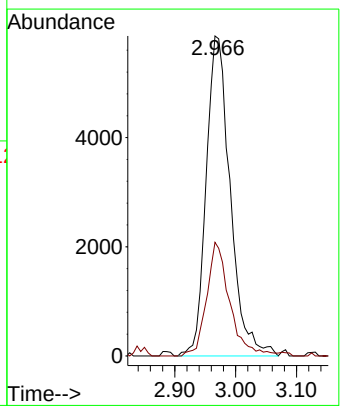
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

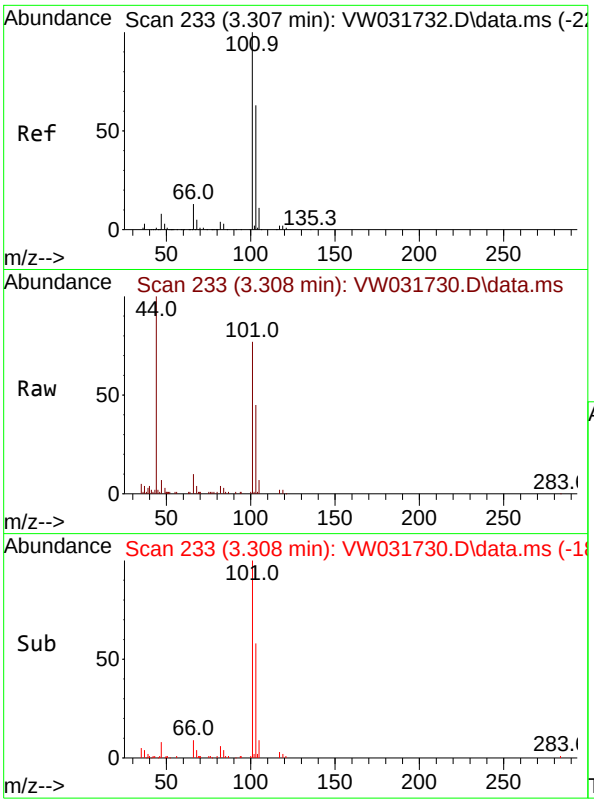


#6
Chloroethane
Concen: 10.139 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 64 Resp: 16074

Ion	Ratio	Lower	Upper
64	100		
66	35.5	24.5	36.7

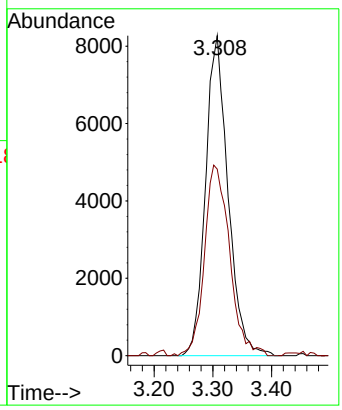




#7
Trichlorofluoromethane
Concen: 10.374 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:101 Resp: 2199

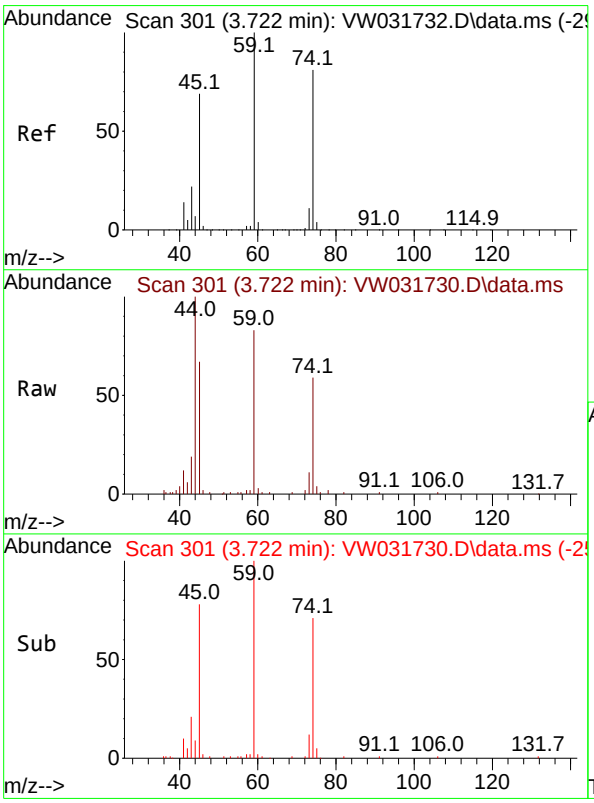
Ion	Ratio	Lower	Upper
101	100		
103	58.3	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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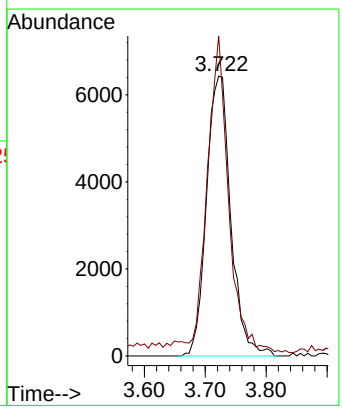
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

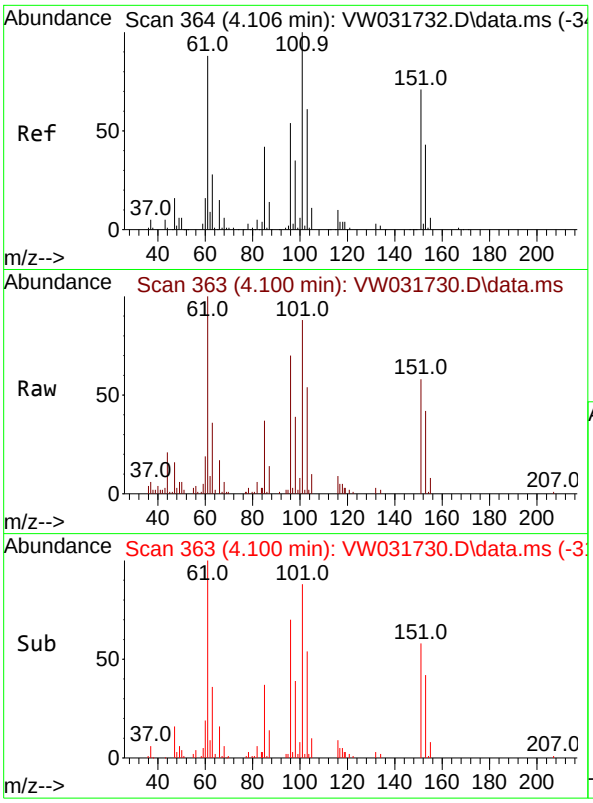


#8
Diethyl Ether
Concen: 11.102 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 74 Resp: 17881

Ion	Ratio	Lower	Upper
74	100		
45	98.5	43.9	131.7

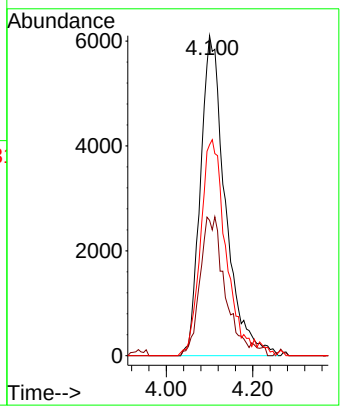




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.346 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:101 Resp: 2434

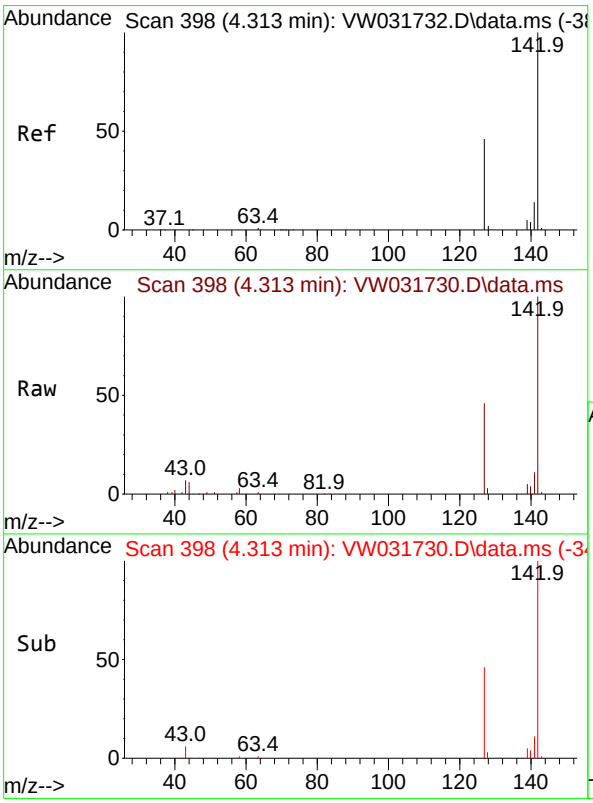
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.6	53.4
151	70.1	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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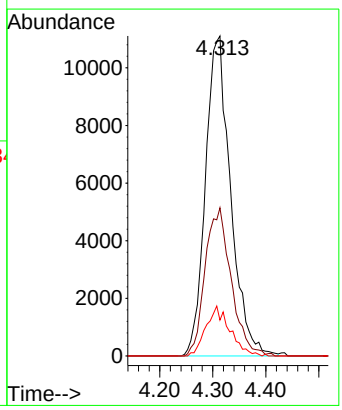
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

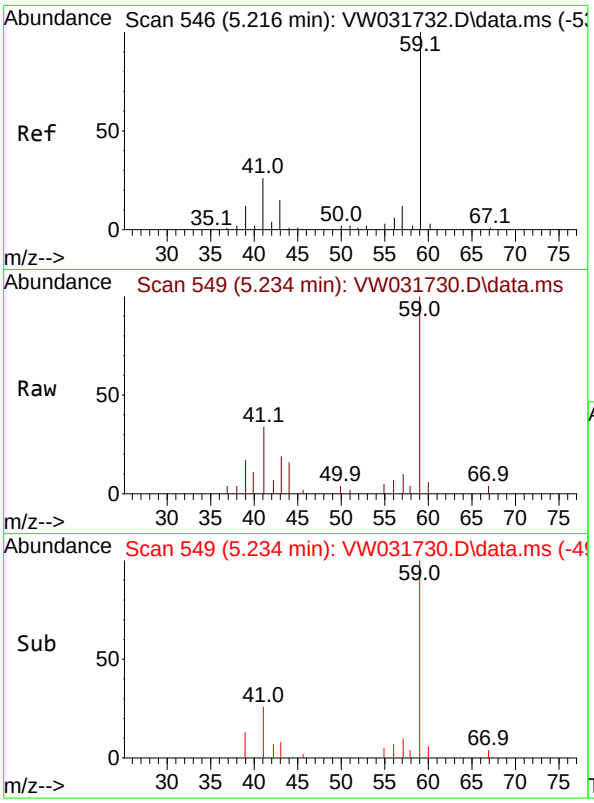


#10
Methyl Iodide
Concen: 10.090 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:142 Resp: 36597

Ion	Ratio	Lower	Upper
142	100		
127	47.8	37.9	56.9
141	14.9	11.7	17.5

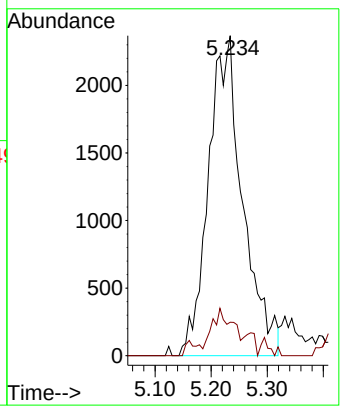




#11
Tert butyl alcohol
Concen: 52.167 ug/l m
RT: 5.234 min Scan# 54
Delta R.T. 0.018 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 59 Resp: 1003

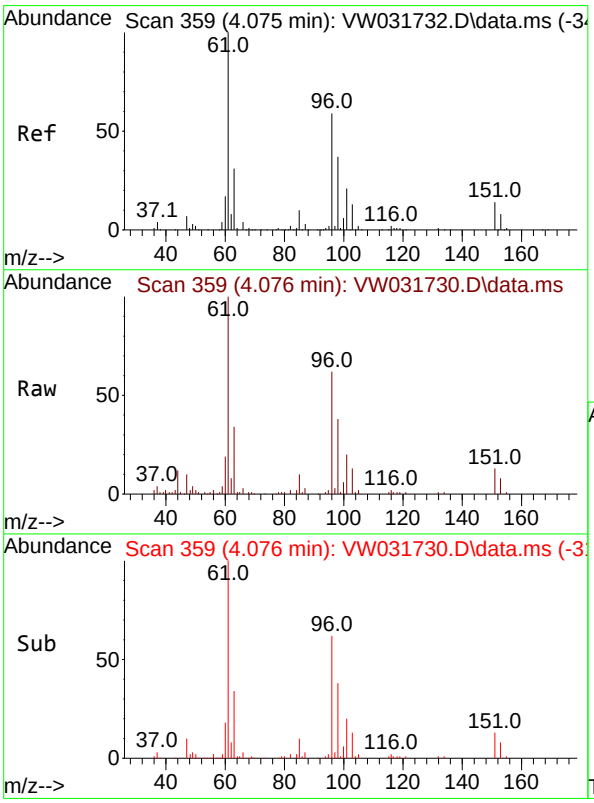
Ion	Ratio	Lower	Upper
59	100		
57	9.6	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

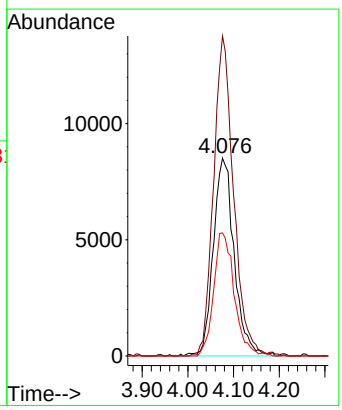
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

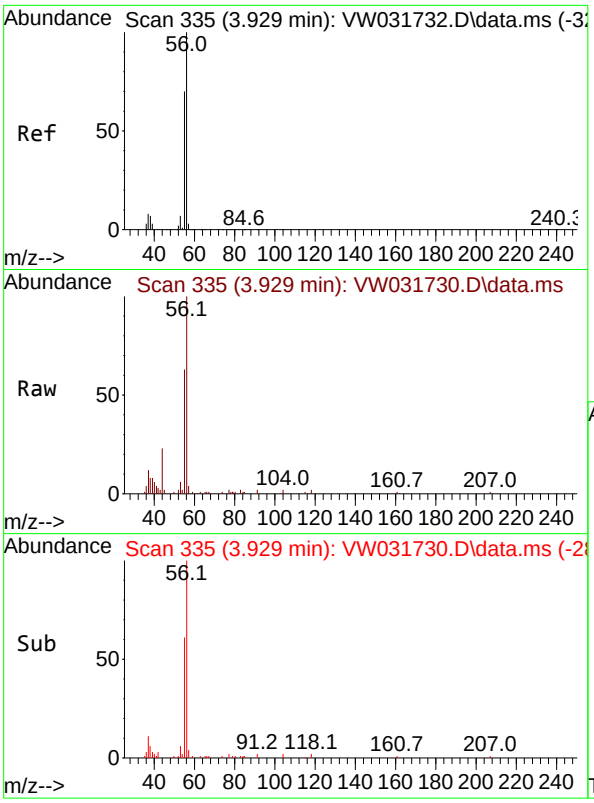


#12
1,1-Dichloroethene
Concen: 10.495 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 96 Resp: 27046

Ion	Ratio	Lower	Upper
96	100		
61	161.9	135.8	203.8
98	62.2	50.4	75.6

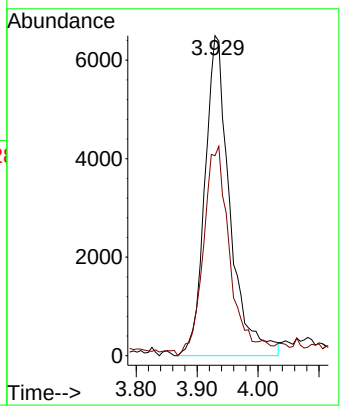




#13
Acrolein
Concen: 53.683 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 56 Resp: 1855

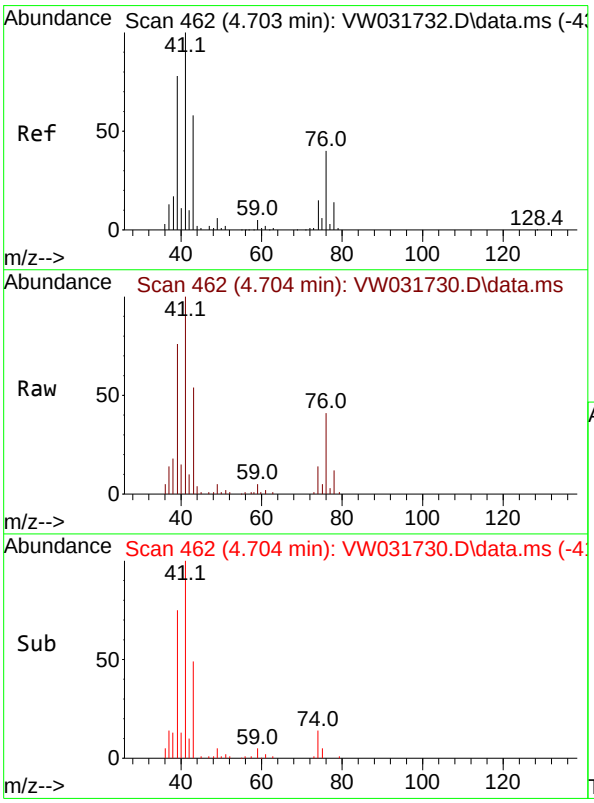
Ion	Ratio	Lower	Upper
56	100		
55	67.4	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

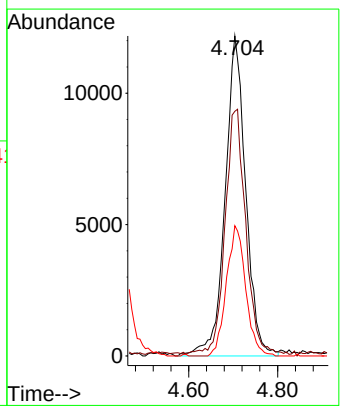
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

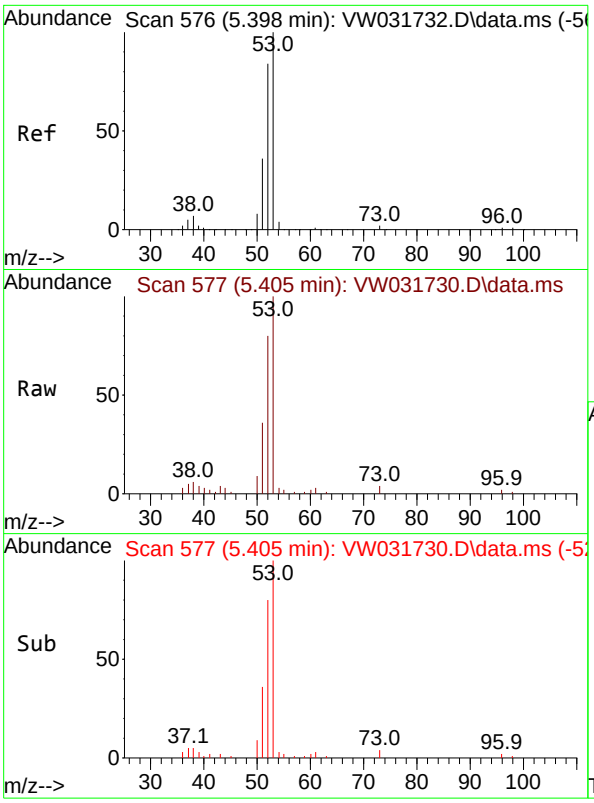


#14
Allyl chloride
Concen: 9.900 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 41 Resp: 39145

Ion	Ratio	Lower	Upper
41	100		
39	76.3	60.7	91.1
76	38.1	30.3	45.5

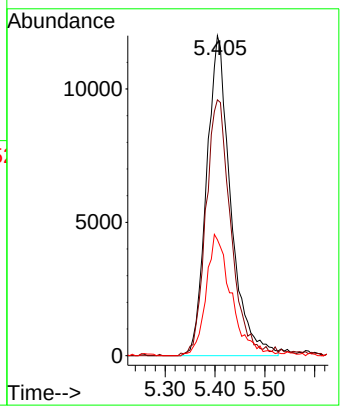




#15
Acrylonitrile
Concen: 50.867 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 53 Resp: 4028

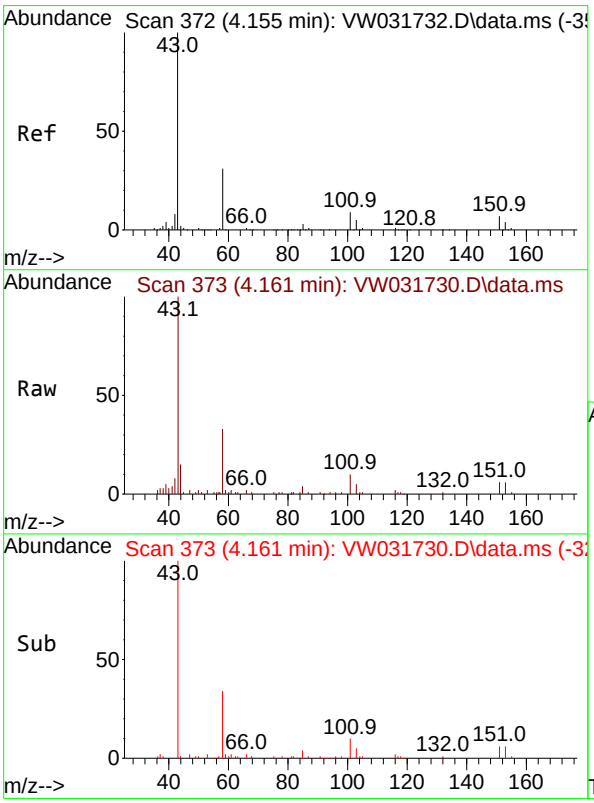
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	40.0	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

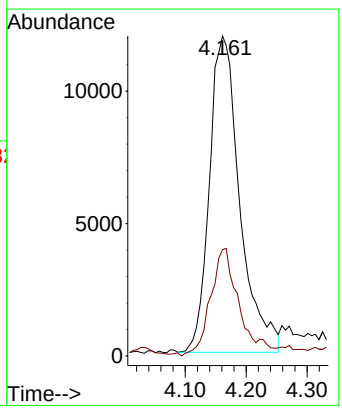
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

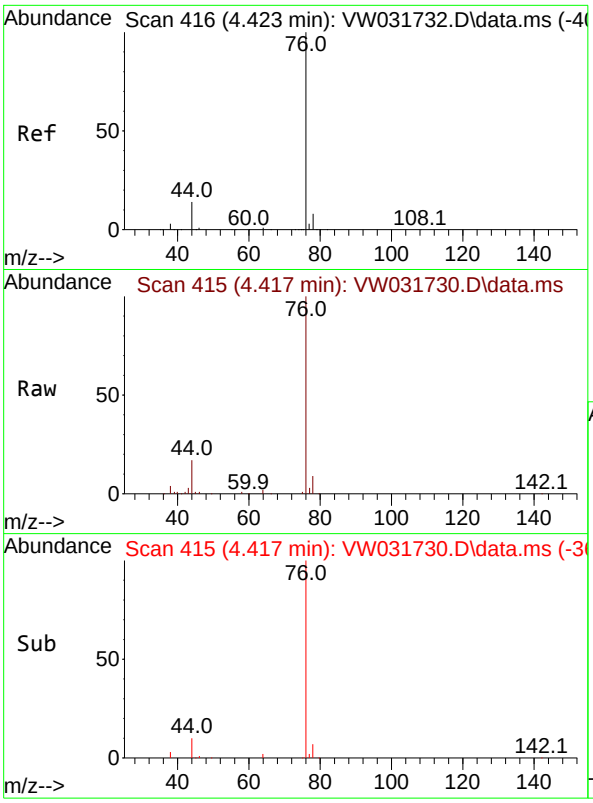


#16
Acetone
Concen: 53.597 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 41372

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.8	37.2





#17
Carbon Disulfide
Concen: 9.958 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

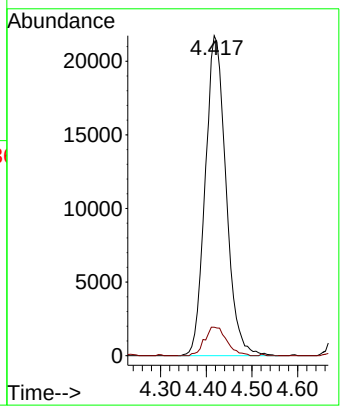
Tgt Ion: 76 Resp: 6866

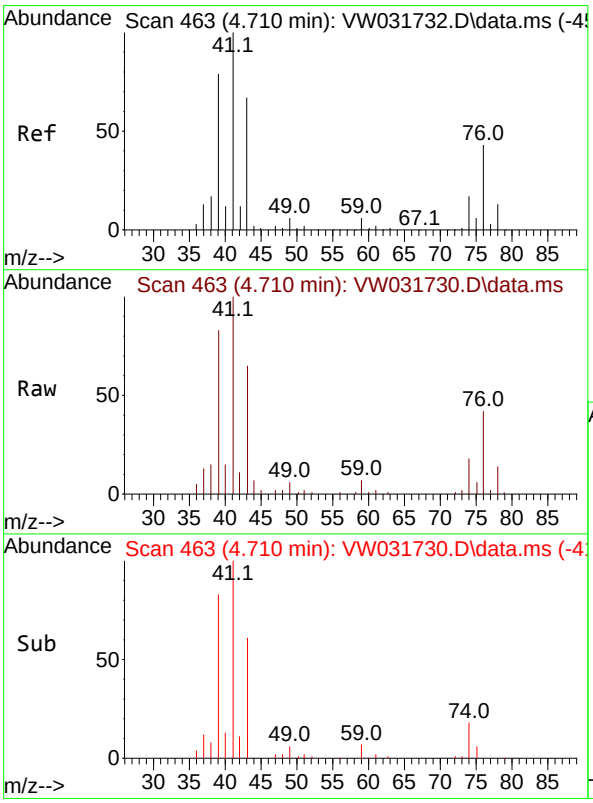
Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	10.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

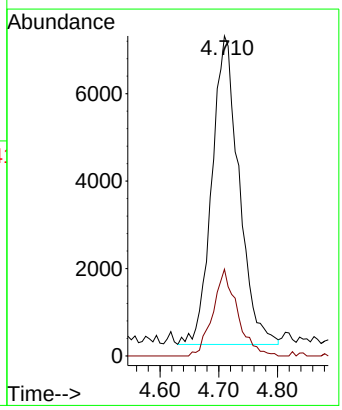


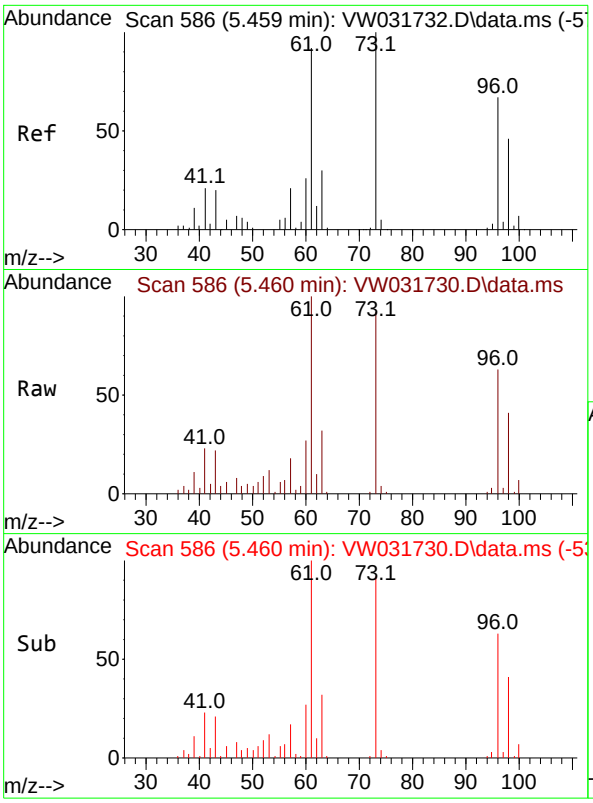


#18
Methyl Acetate
Concen: 10.321 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 22628

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.6	30.8

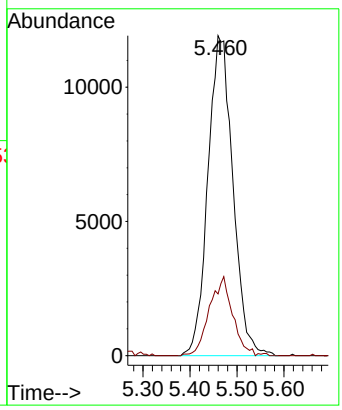




#19
Methyl tert-butyl Ether
Concen: 10.069 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 73 Resp: 4404

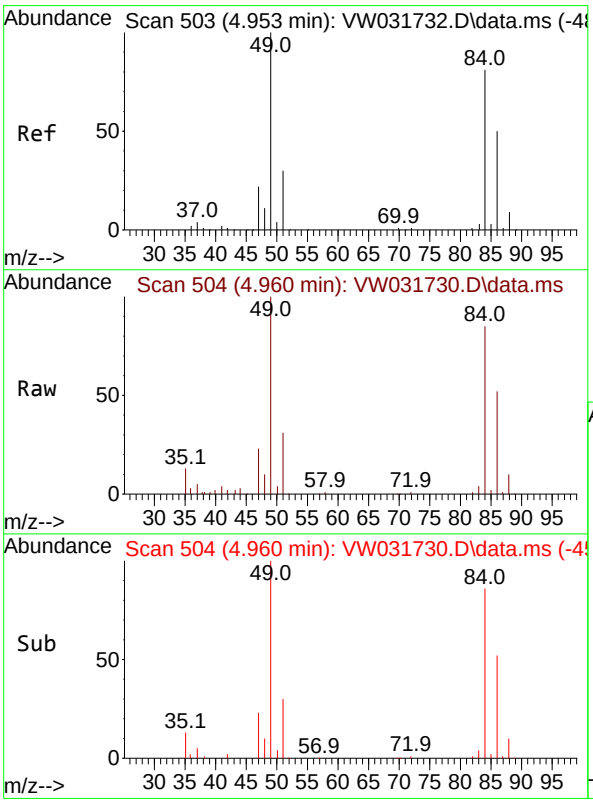
Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

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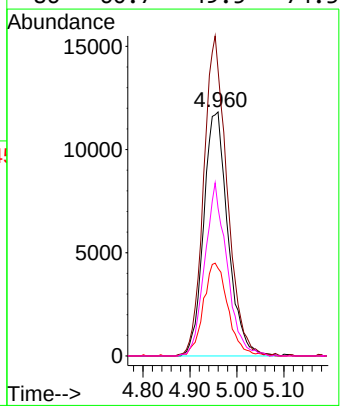
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

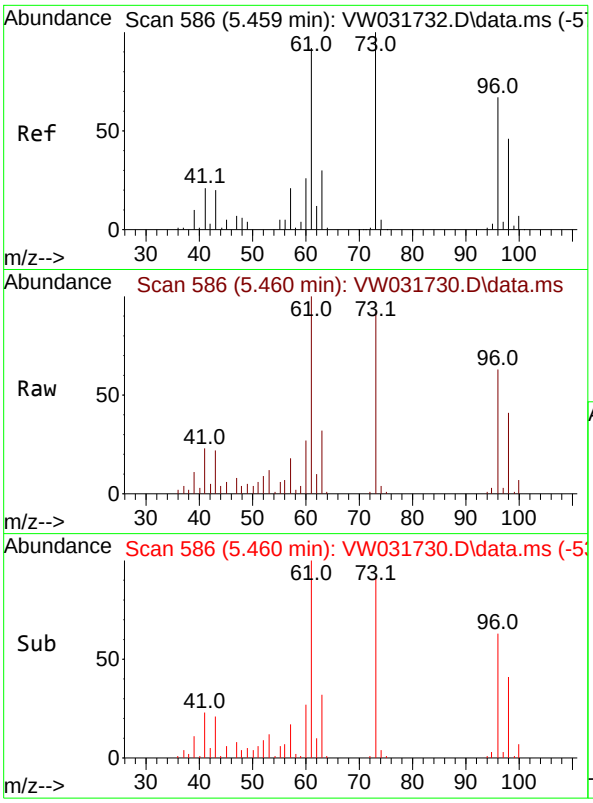


#20
Methylene Chloride
Concen: 10.166 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 84 Resp: 42368

Ion	Ratio	Lower	Upper
84	100		
49	117.0	98.2	147.4
51	35.9	29.8	44.8
86	60.7	49.5	74.3

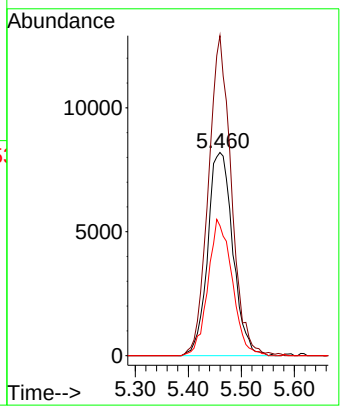




#21
trans-1,2-Dichloroethene
Concen: 9.844 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 96 Resp: 2695

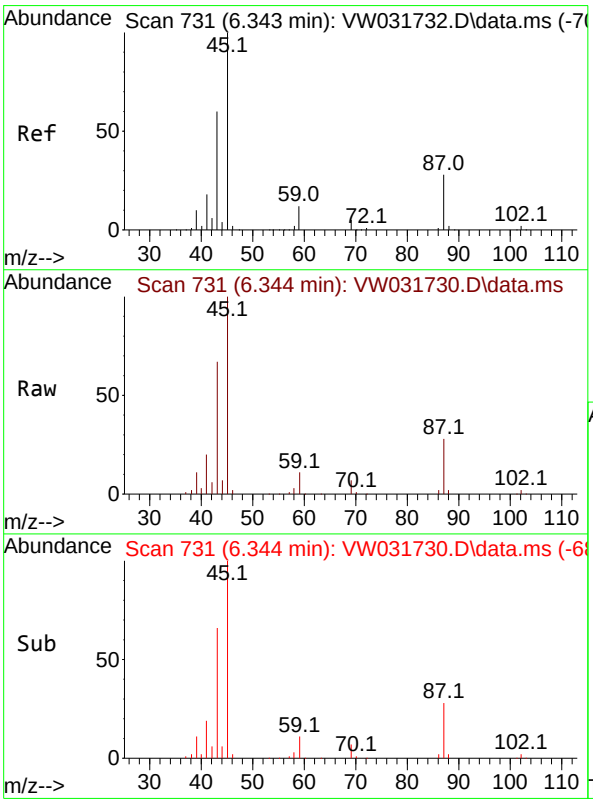
Ion	Ratio	Lower	Upper
96	100		
61	157.5	109.8	164.6
98	64.0	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

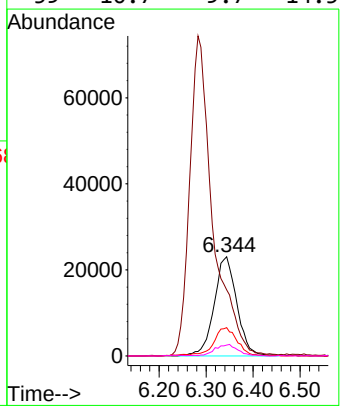
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

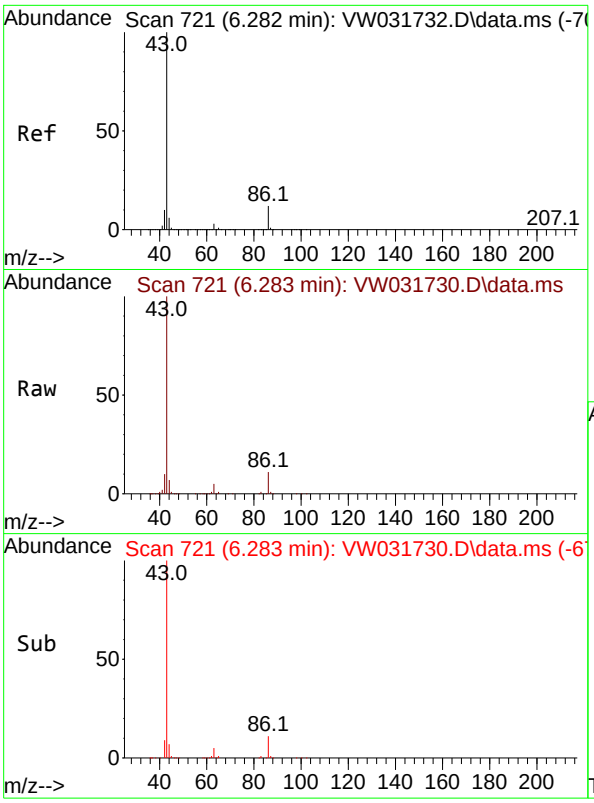


#22
Diisopropyl ether
Concen: 10.045 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 45 Resp: 77462

Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.3	72.5
87	28.0	22.6	34.0
59	10.7	9.7	14.5

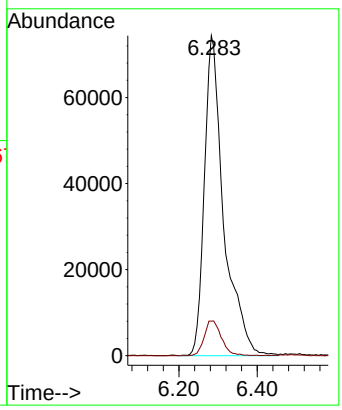




#23
Vinyl Acetate
Concen: 48.380 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 25482

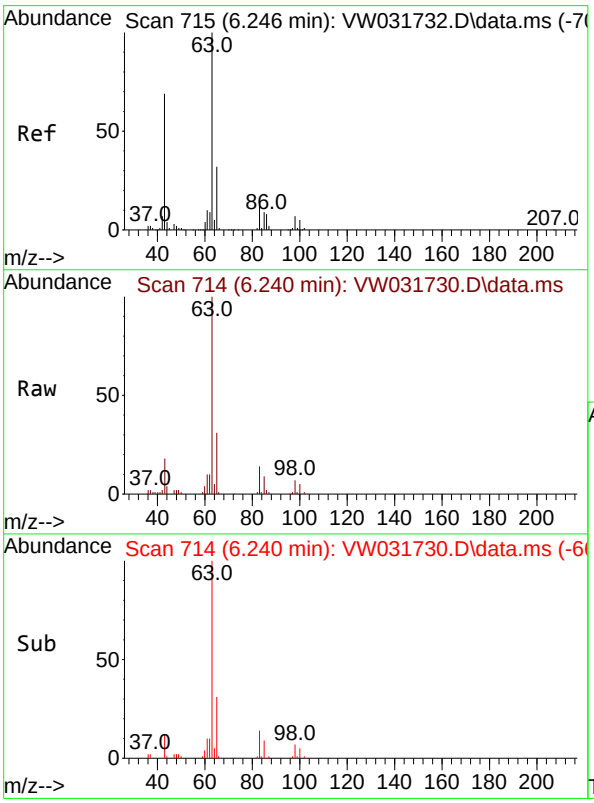
Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

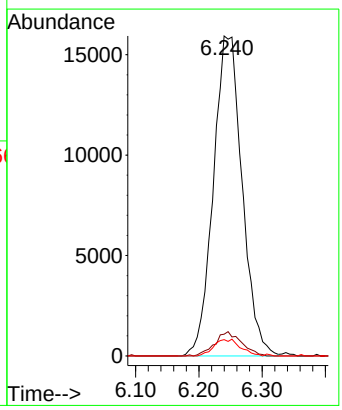
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

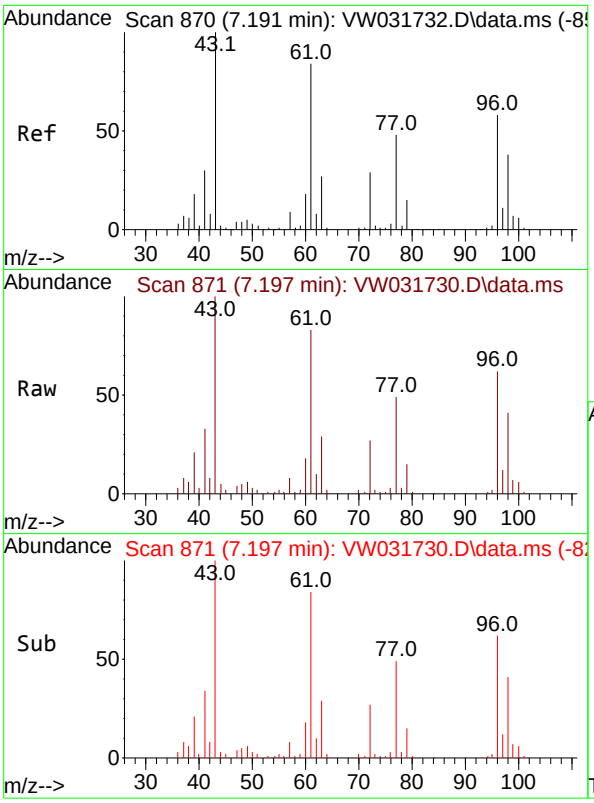


#24
1,1-Dichloroethane
Concen: 10.061 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 63 Resp: 50299

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	5.1	2.5	7.5

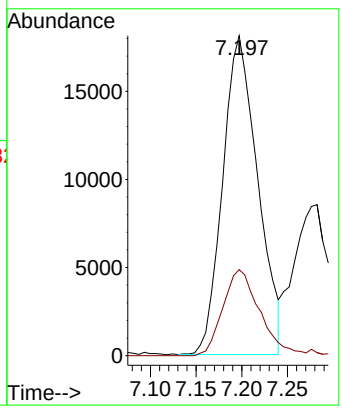




#25
2-Butanone
Concen: 48.435 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 4834

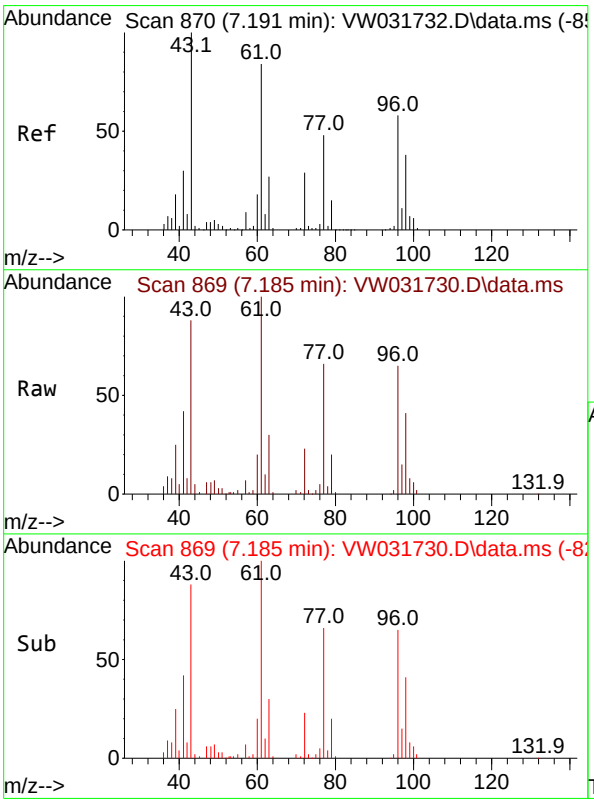
Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

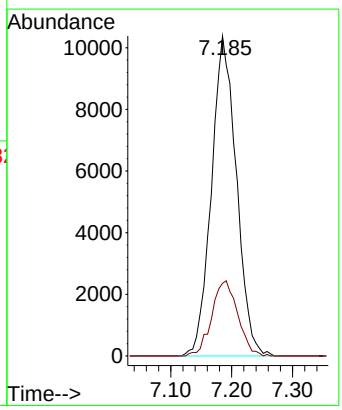
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

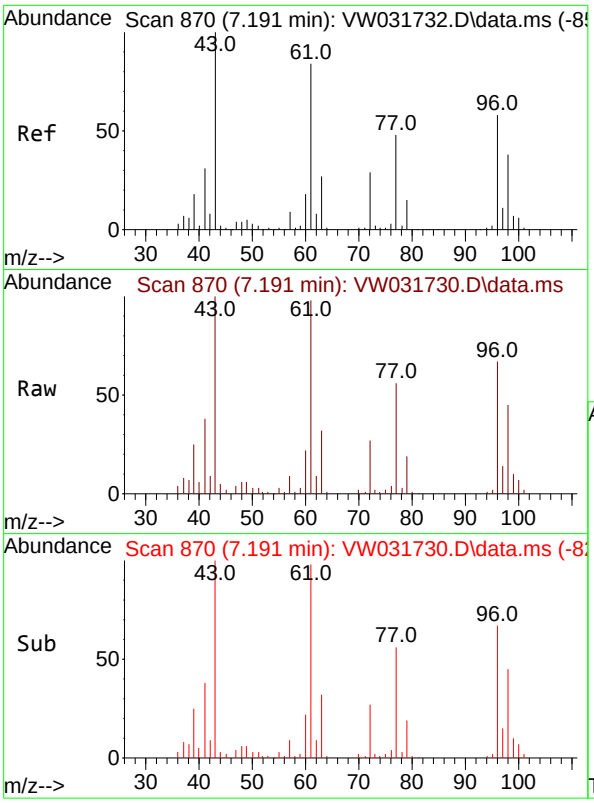


#26
2,2-Dichloropropane
Concen: 10.130 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 77 Resp: 29549

Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.6	34.7

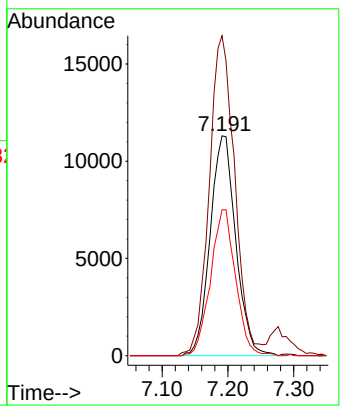




#27
cis-1,2-Dichloroethene
Concen: 9.749 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 96 Resp: 3068

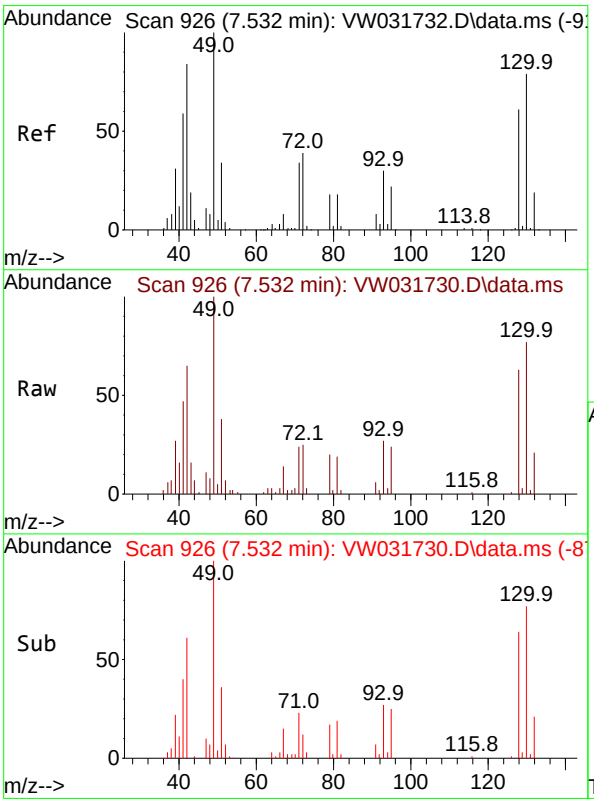
Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	286.8
98	64.8	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

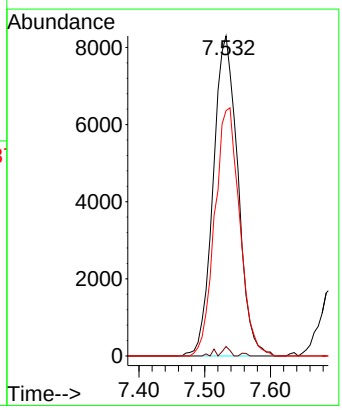
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

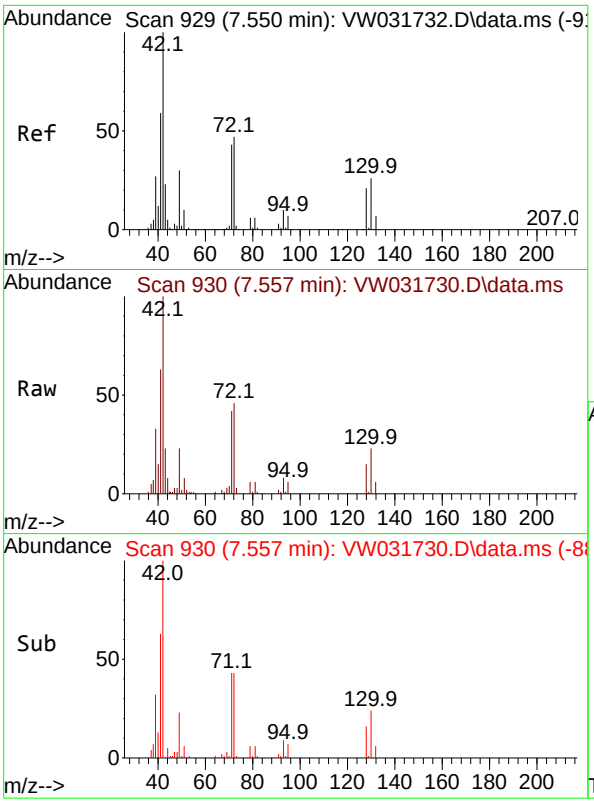


#28
Bromochloromethane
Concen: 9.815 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 49 Resp: 21655

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	78.5	61.3	91.9

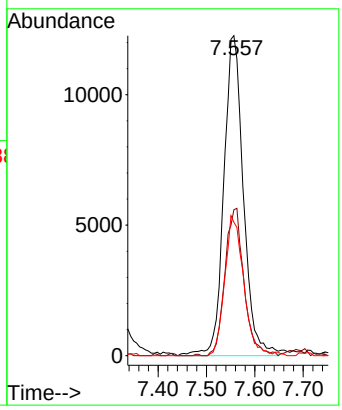




#29
Tetrahydrofuran
Concen: 50.617 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 42 Resp: 3459

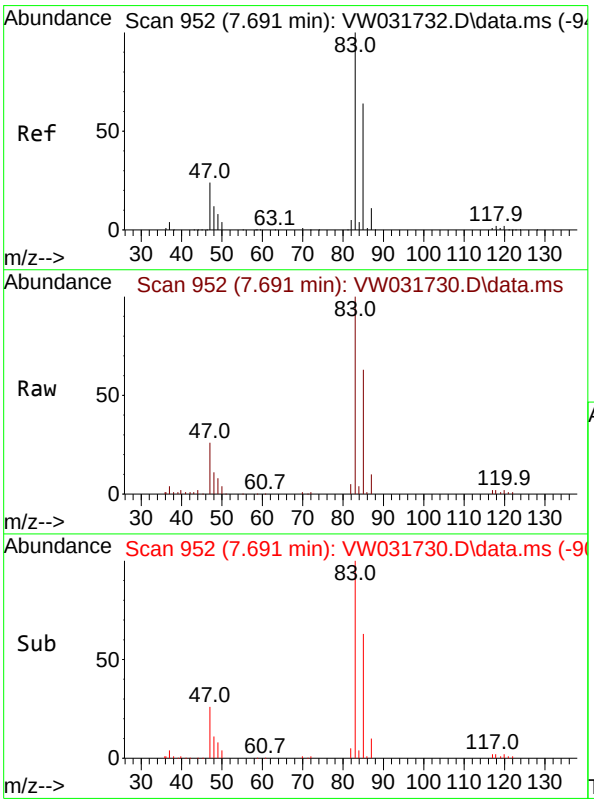
Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.8	55.2
71	42.1	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

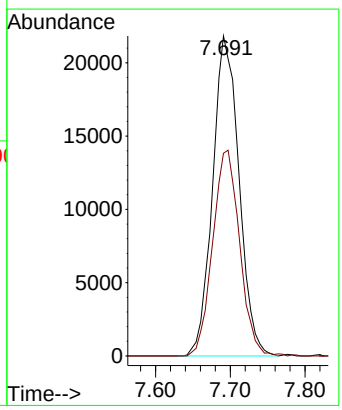
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

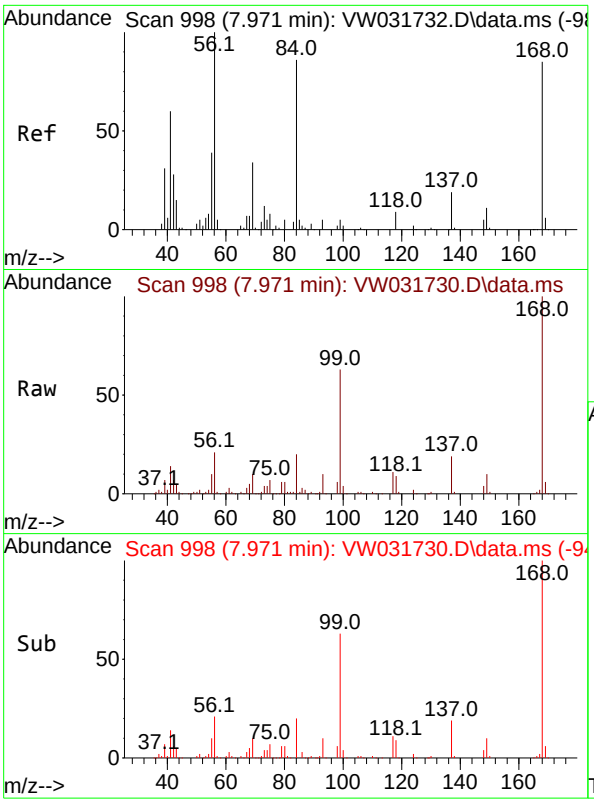


#30
Chloroform
Concen: 10.090 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 83 Resp: 53600

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0

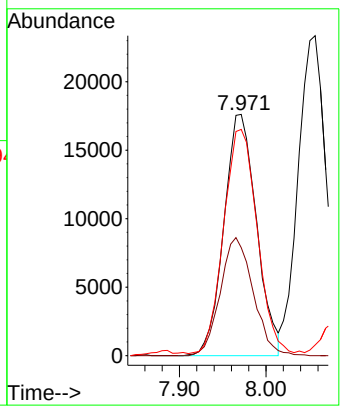




#31
Cyclohexane
Concen: 10.427 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 56 Resp: 4608

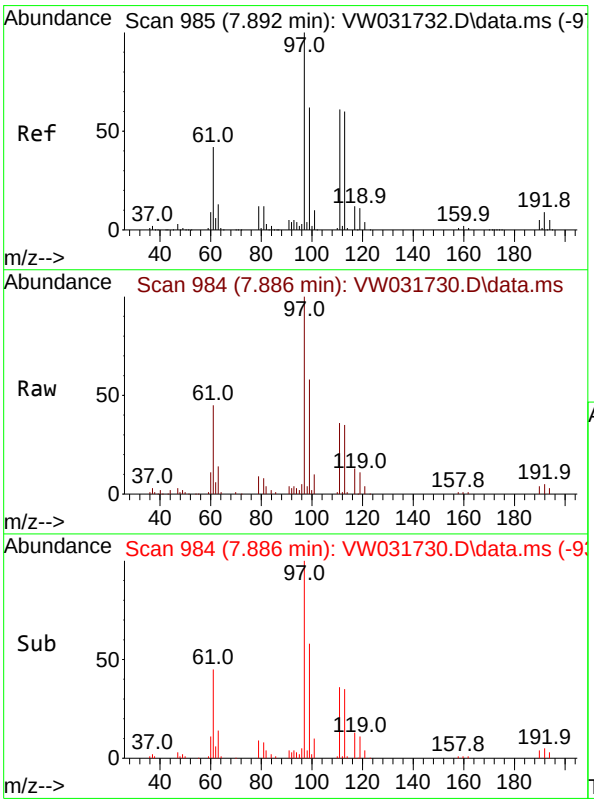
Ion	Ratio	Lower	Upper
56	100		
69	44.8	27.2	40.8
84	92.8	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

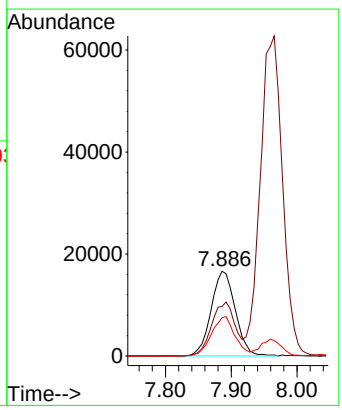
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

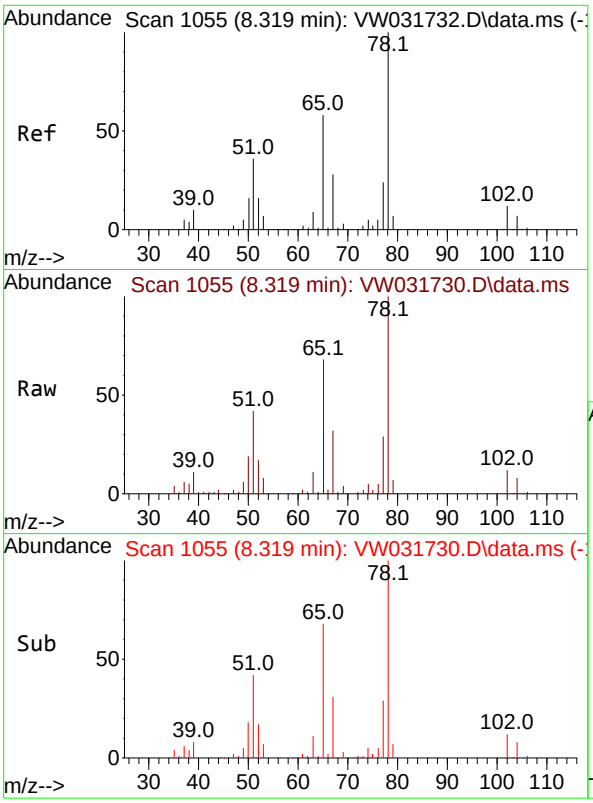


#32
1,1,1-Trichloroethane
Concen: 10.389 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 97 Resp: 42532

Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.0	76.6
61	45.2	36.0	54.0

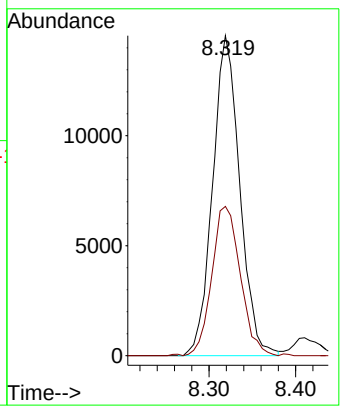




#33
1,2-Dichloroethane-d4
Concen: 10.201 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 65 Resp: 3166

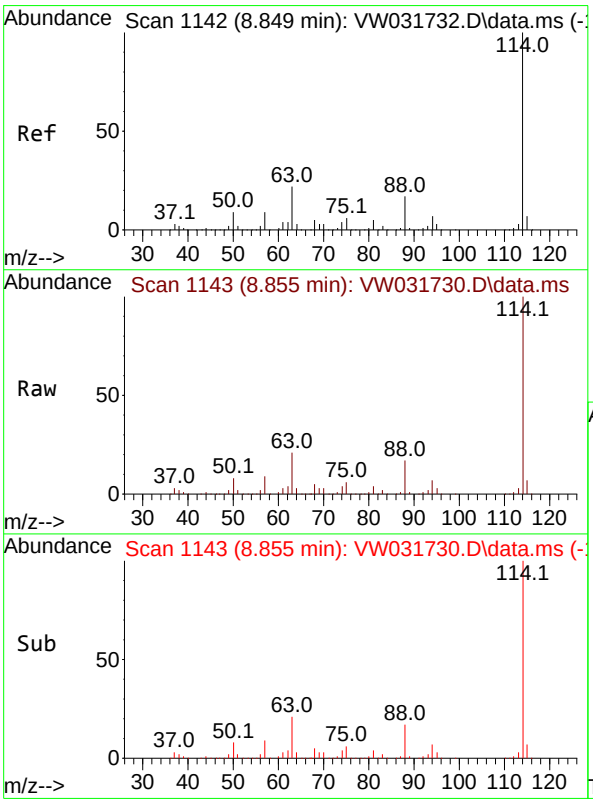
Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

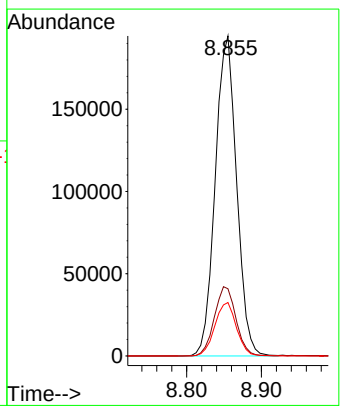
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

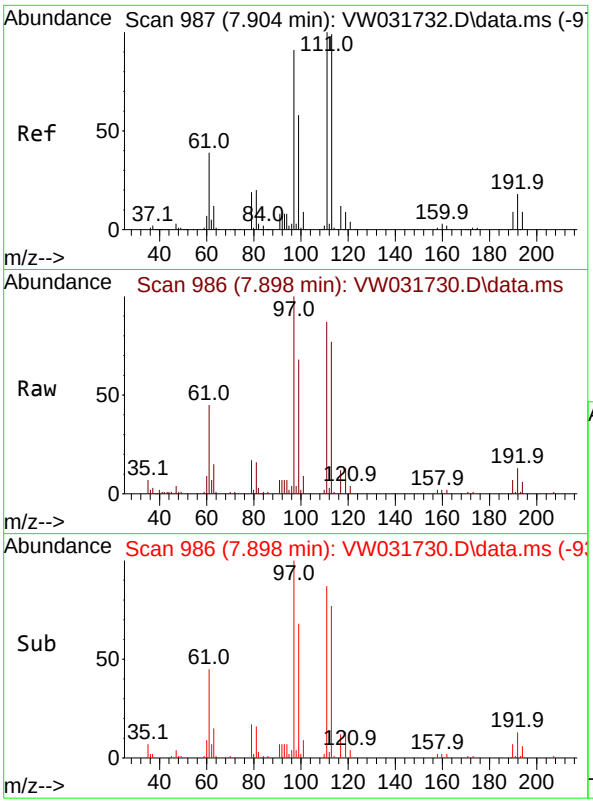


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:114 Resp: 387016

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.6
88	16.7	0.0	34.2

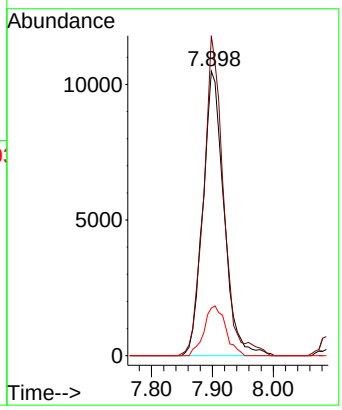




#35
Dibromofluoromethane
Concen: 9.942 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:113 Resp: 2510

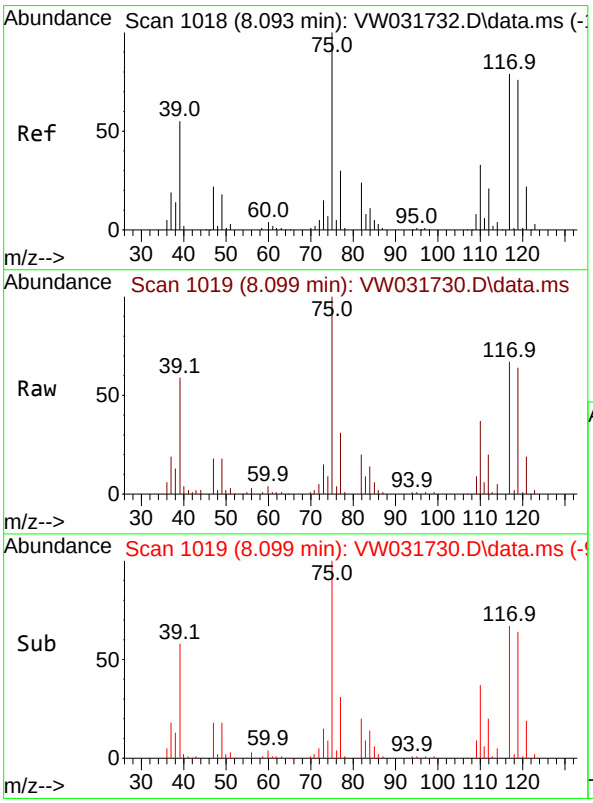
Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.1	123.1
192	17.9	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

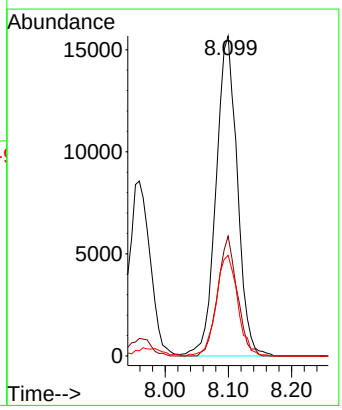
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

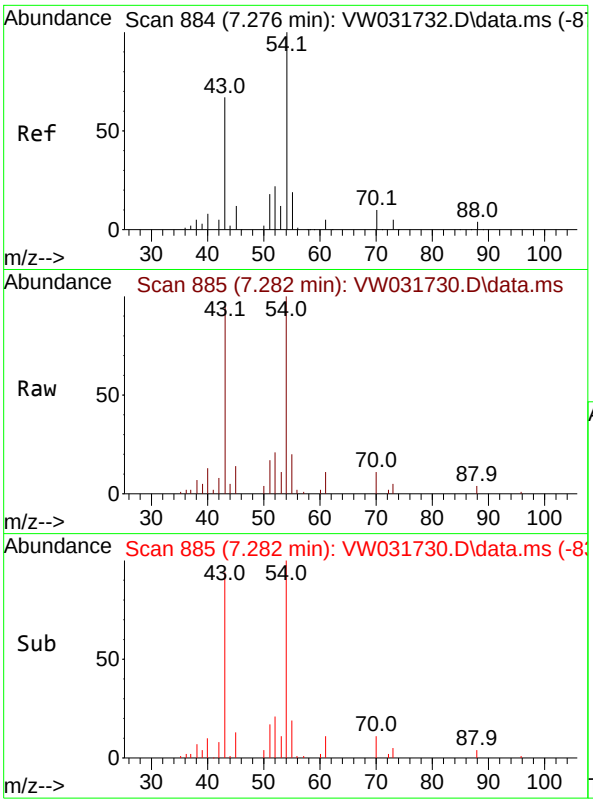


#36
1,1-Dichloropropene
Concen: 10.021 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 36621

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.9	25.0	37.6





#37
Ethyl Acetate
Concen: 10.032 ug/l
RT: 7.282 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

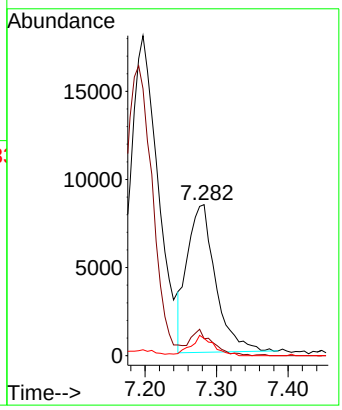
Tgt Ion: 43 Resp: 2312

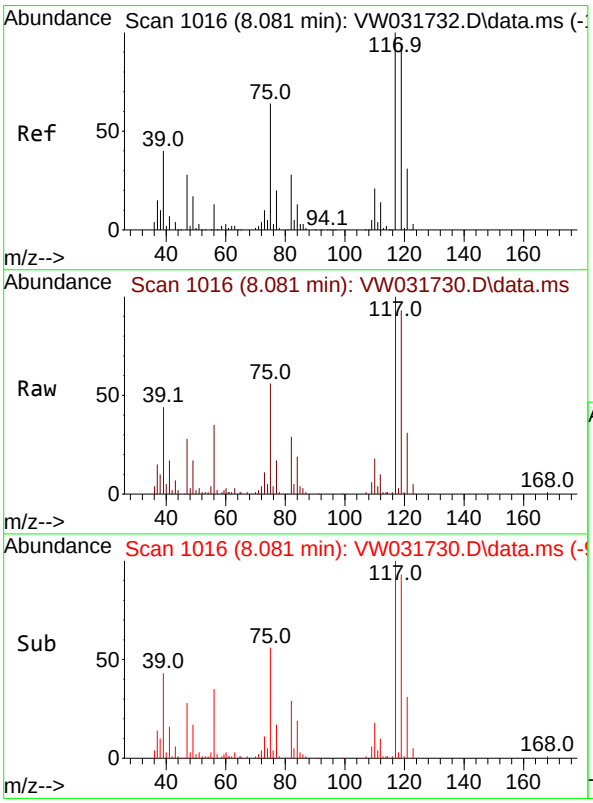
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.8	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

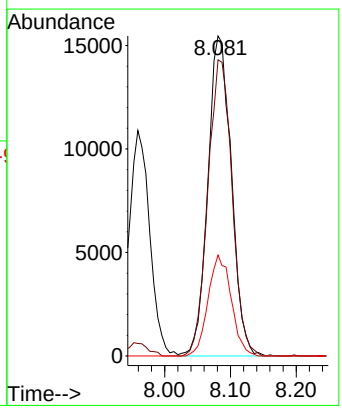


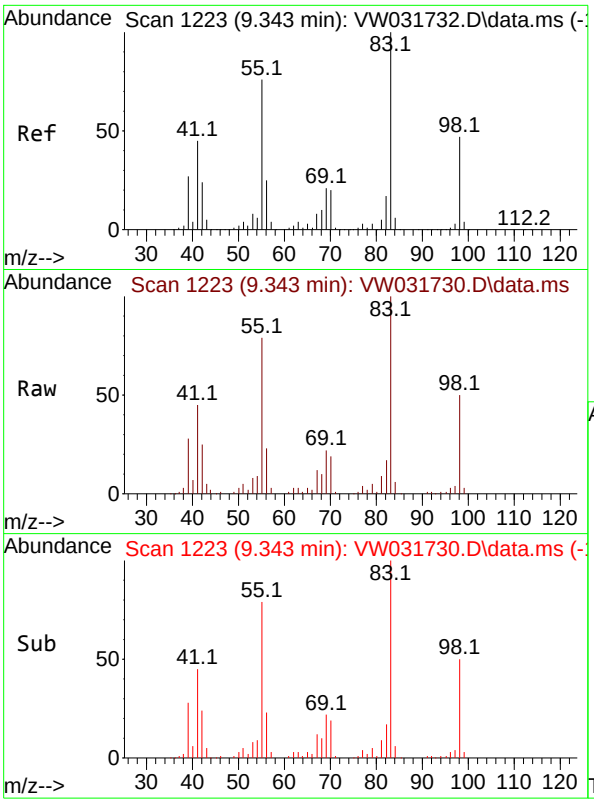


#38
Carbon Tetrachloride
Concen: 10.347 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:117 Resp: 38531

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.0	112.6
121	31.5	24.6	37.0

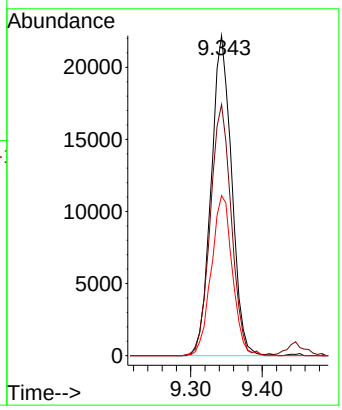




#39
Methylcyclohexane
Concen: 9.715 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 83 Resp: 4417

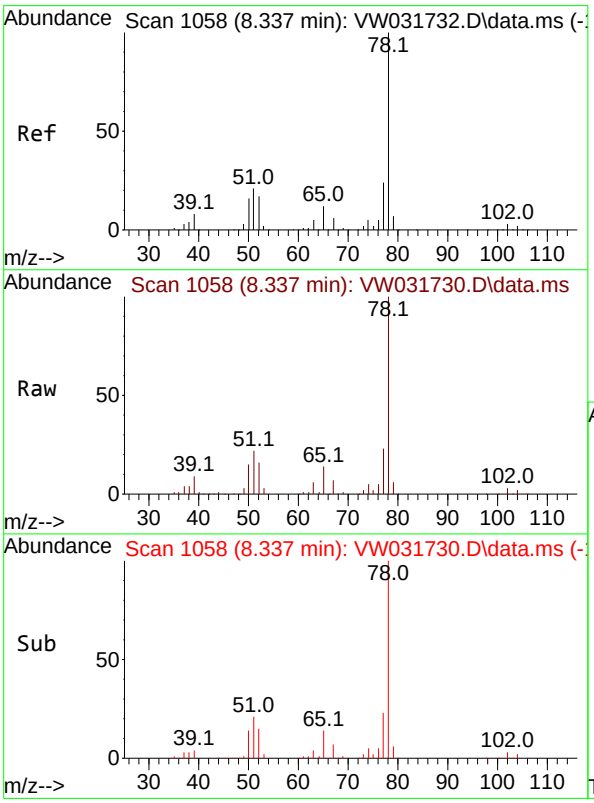
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	50.0	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

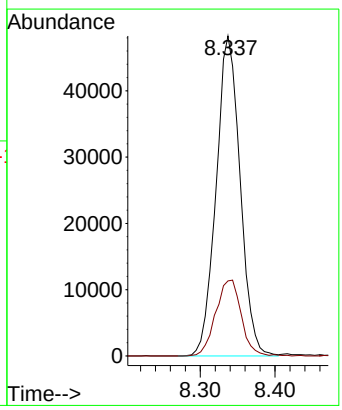
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

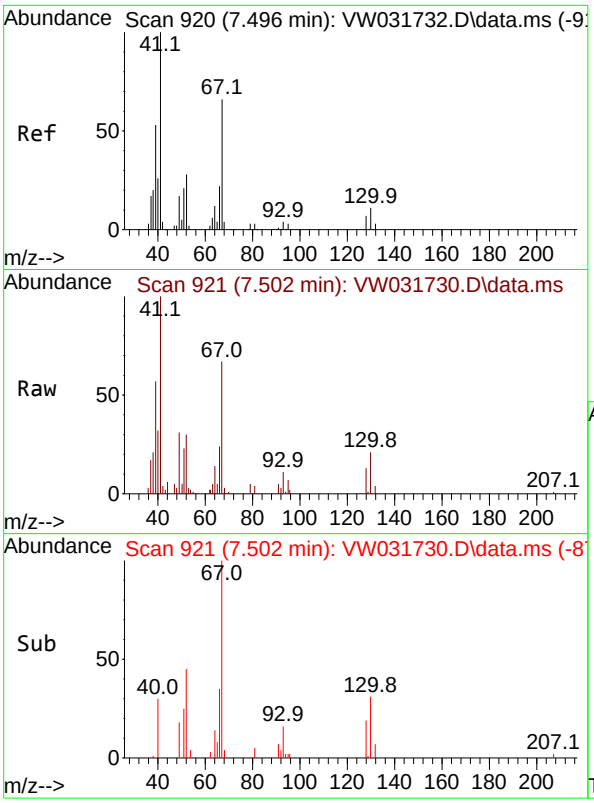


#40
Benzene
Concen: 9.977 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 78 Resp: 107869

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8

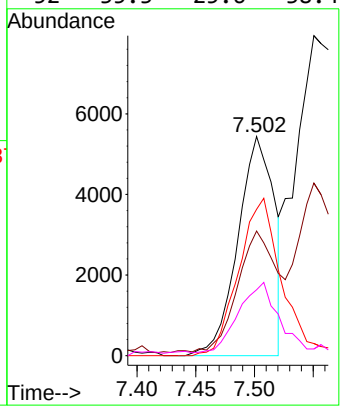




#41
Methacrylonitrile
Concen: 9.485 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 41 Resp: 1171

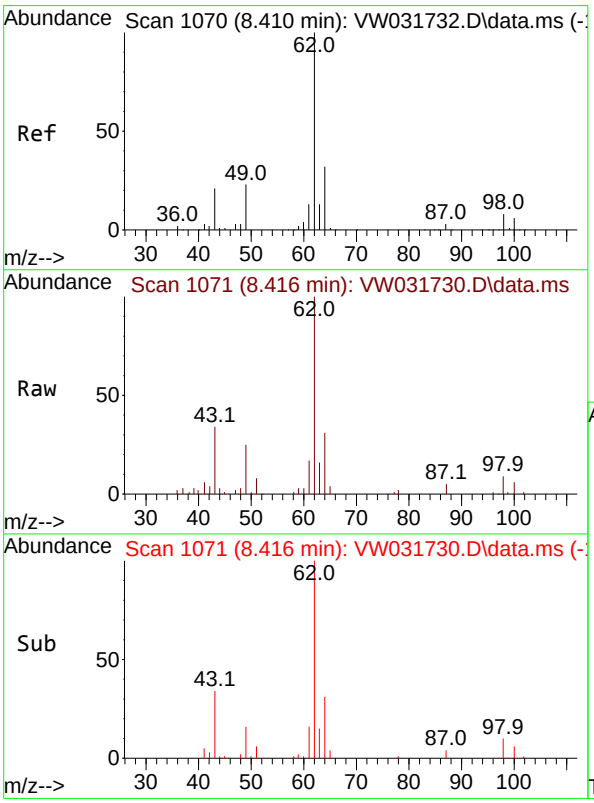
Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.2	64.8
67	86.5	58.1	87.1
52	35.3	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

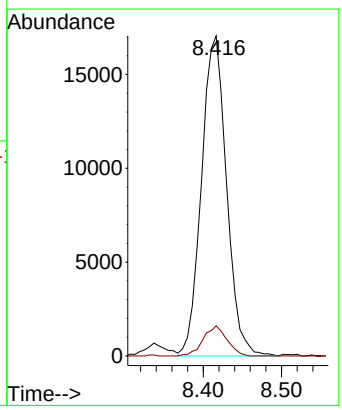
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

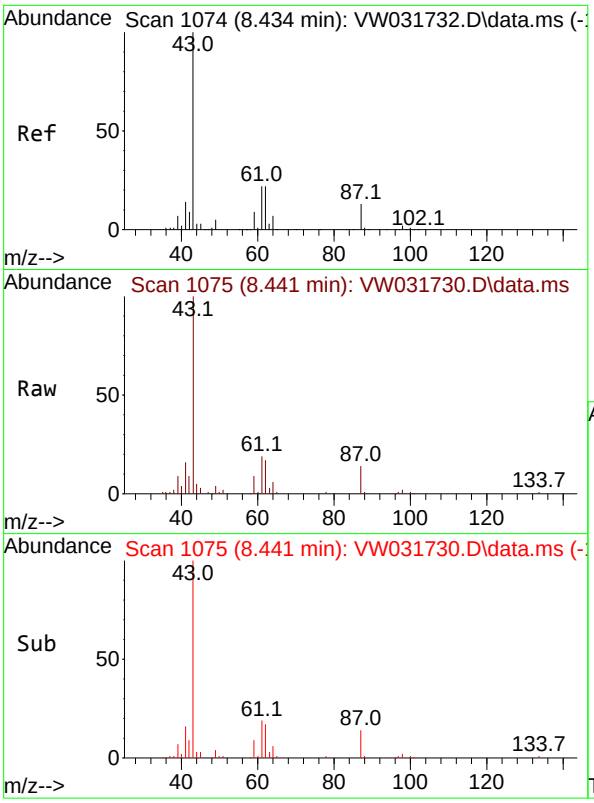


#42
1,2-Dichloroethane
Concen: 10.390 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 37957

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2

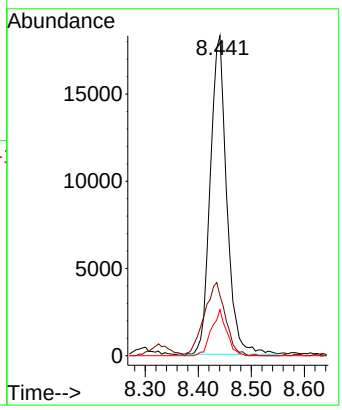




#43
Isopropyl Acetate
Concen: 9.913 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 3939

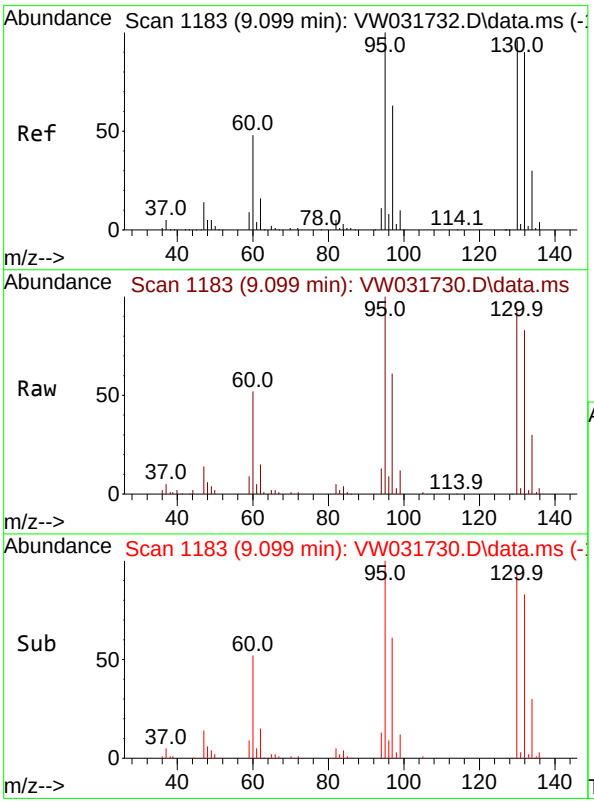
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.1	34.7
87	13.4	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

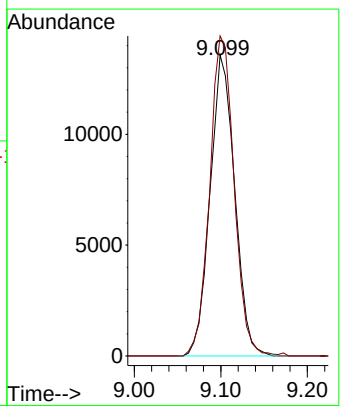
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

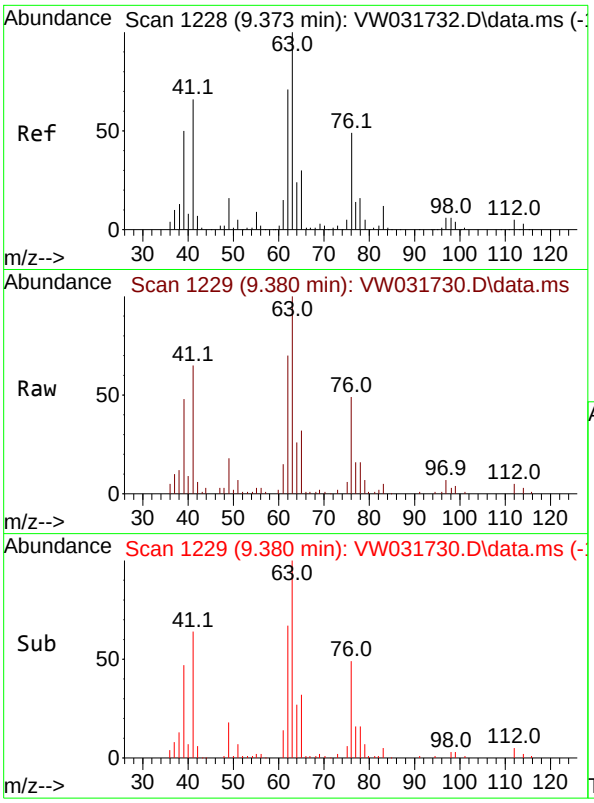


#44
Trichloroethene
Concen: 9.927 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:130 Resp: 26788

Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	208.6

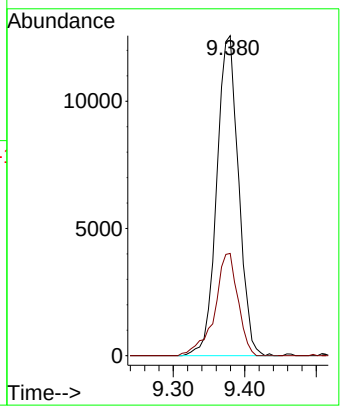




#45
1,2-Dichloropropane
Concen: 10.181 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 63 Resp: 2660

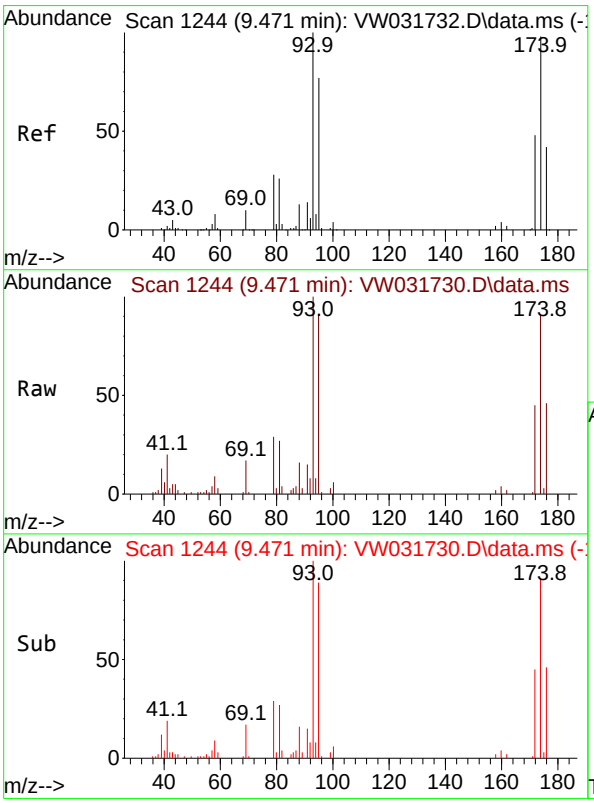
Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

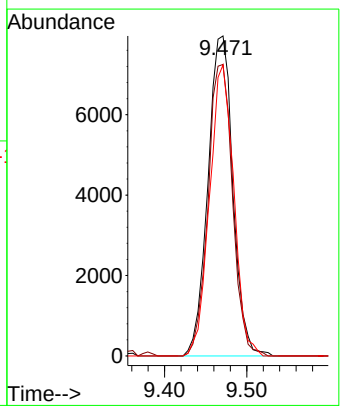
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

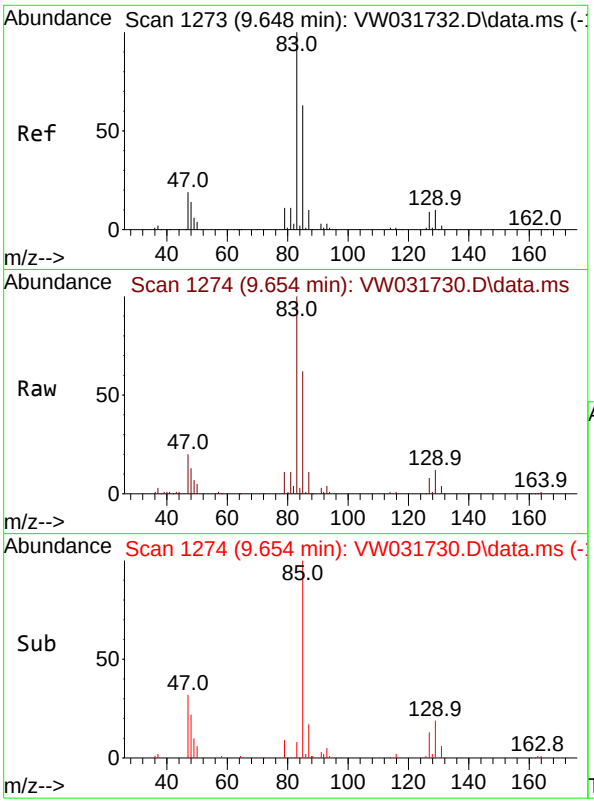


#46
Dibromomethane
Concen: 9.969 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 93 Resp: 16818

Ion	Ratio	Lower	Upper
93	100		
95	89.3	67.0	100.4
174	87.9	71.7	107.5

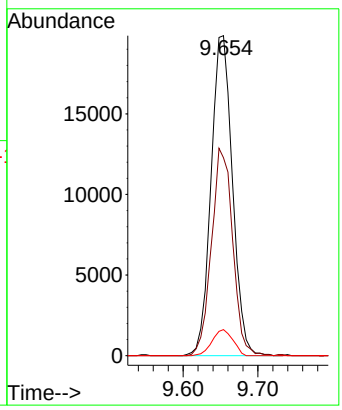




#47
Bromodichloromethane
Concen: 10.009 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 83 Resp: 3959

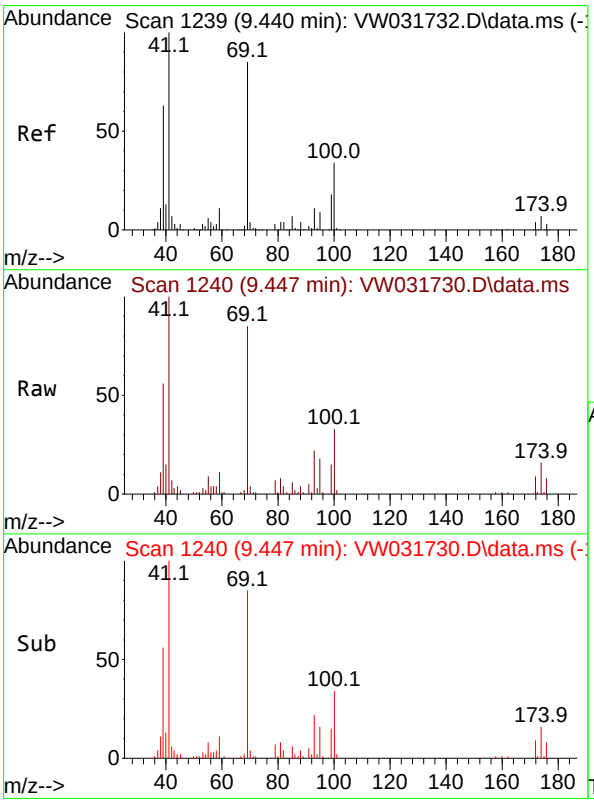
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.8	76.2
127	8.2	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

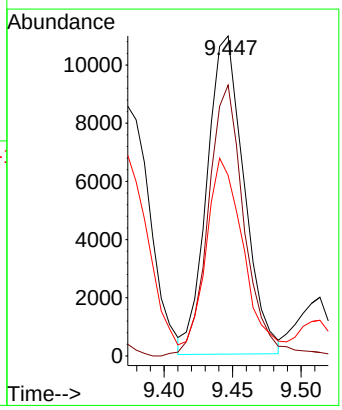
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

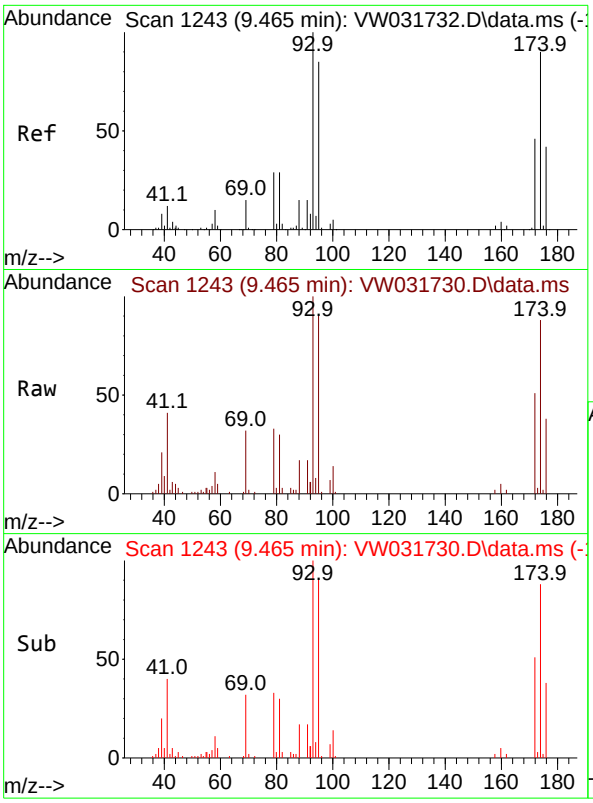


#48
Methyl methacrylate
Concen: 10.549 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 41 Resp: 20612

Ion	Ratio	Lower	Upper
41	100		
69	82.8	71.6	107.4
39	62.0	49.5	74.3

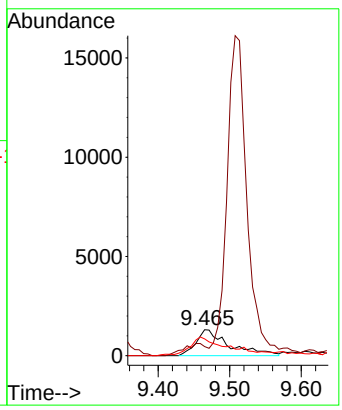




#49
1,4-Dioxane
Concen: 234.072 ug/l m
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 88 Resp: 420

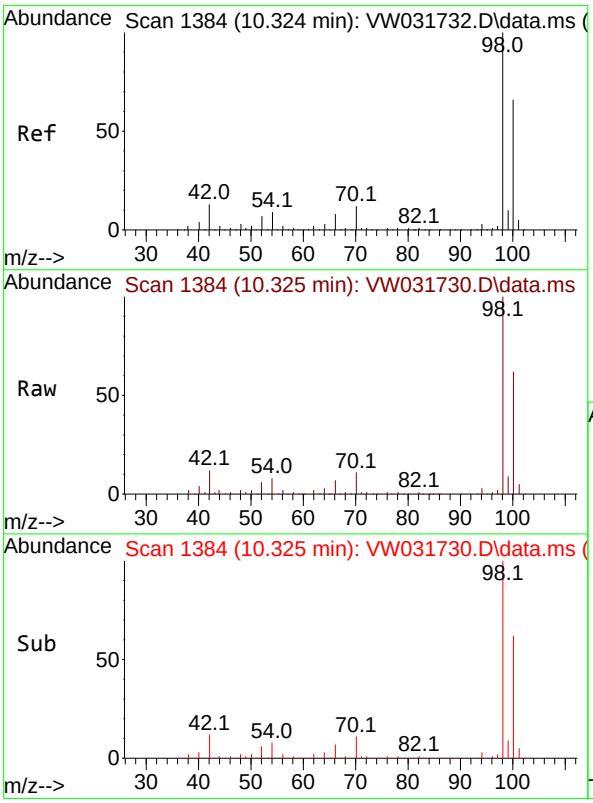
Ion	Ratio	Lower	Upper
88	100		
43	32.4	0.0	0.0
58	78.2	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

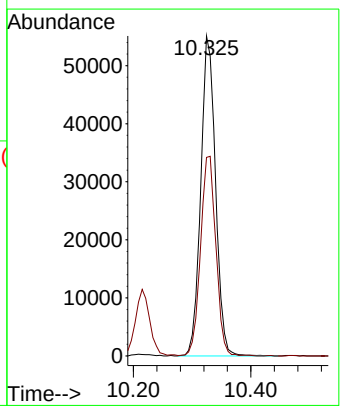
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

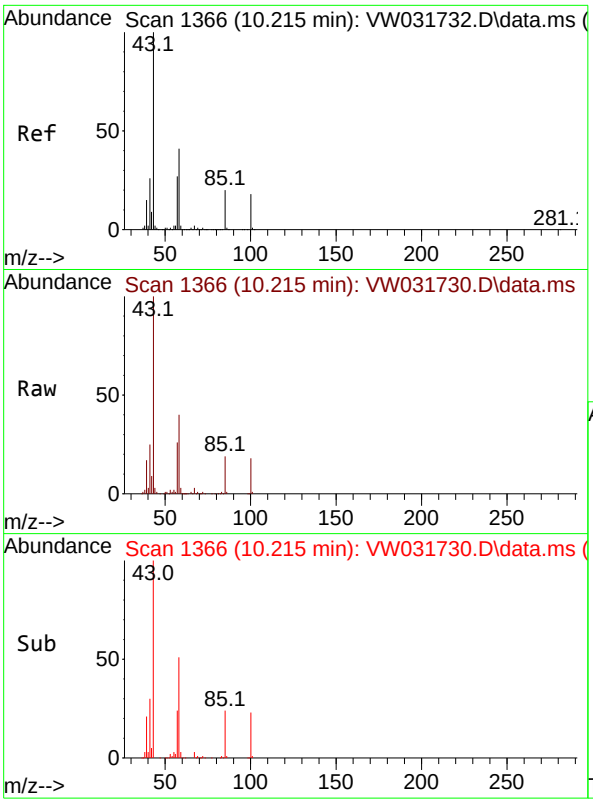


#50
Toluene-d8
Concen: 10.251 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 98 Resp: 96344

Ion	Ratio	Lower	Upper
98	100		
100	64.3	53.0	79.4

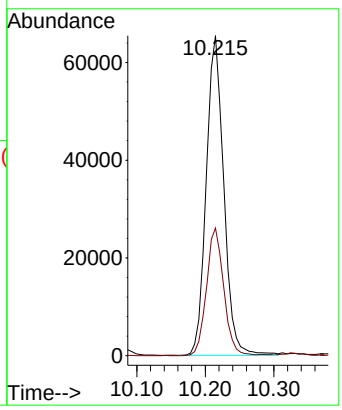




#51
4-Methyl-2-Pentanone
Concen: 51.050 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 11662

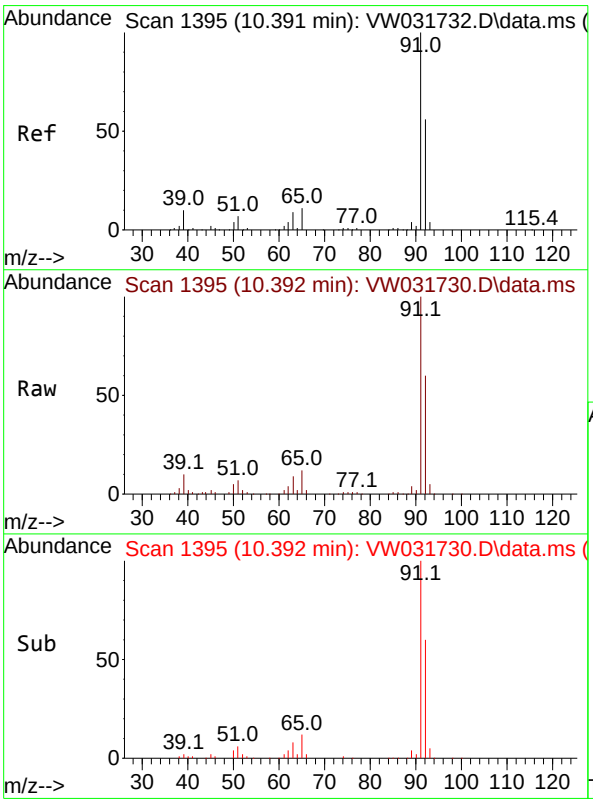
Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

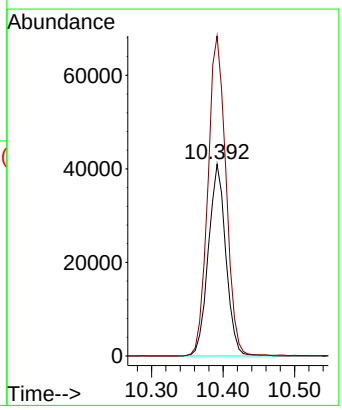
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

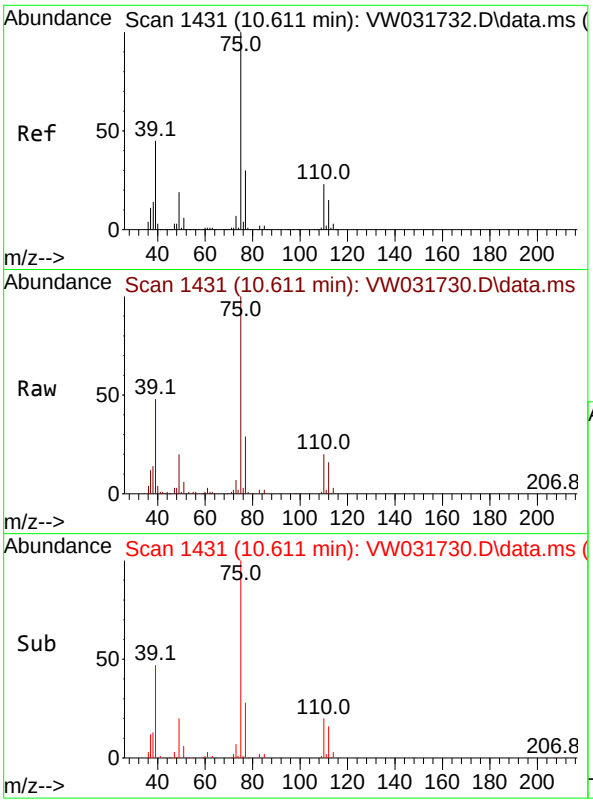


#52
Toluene
Concen: 10.041 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 92 Resp: 69506

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.5	209.3

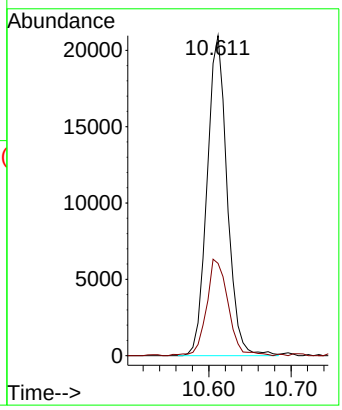




#53
t-1,3-Dichloropropene
Concen: 9.585 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 3557

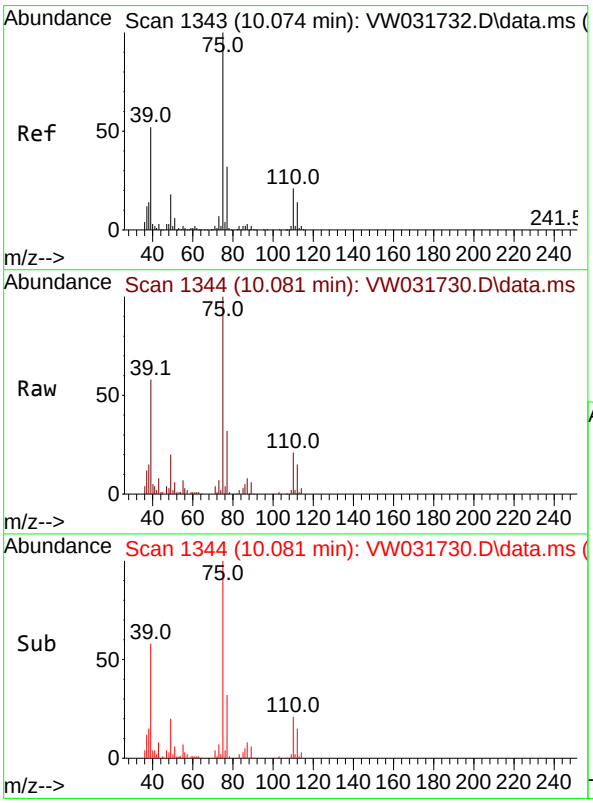
Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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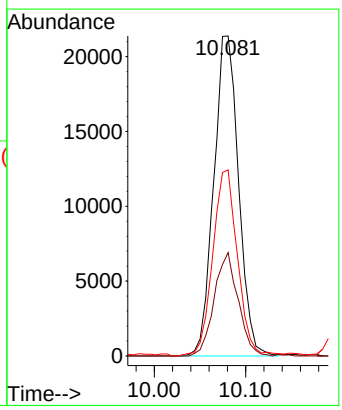
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

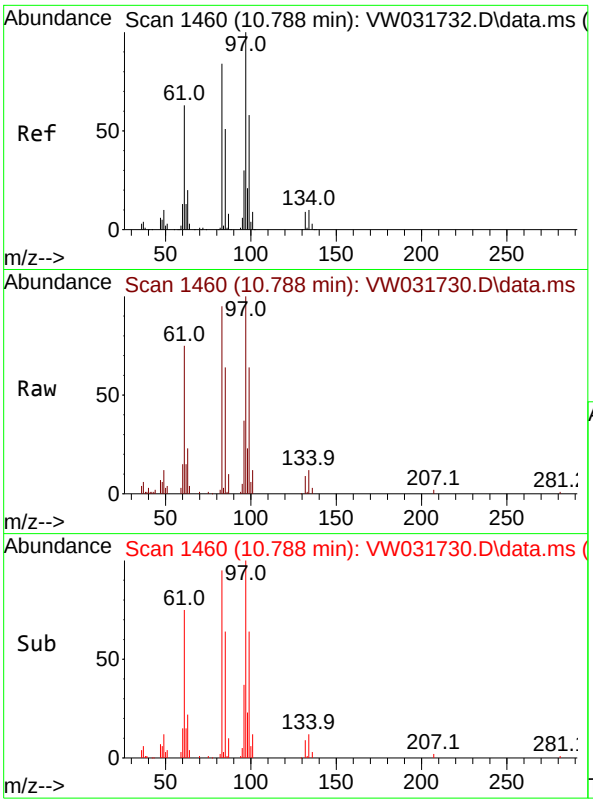


#54
cis-1,3-Dichloropropene
Concen: 9.588 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 40343

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2
39	58.2	41.8	62.6

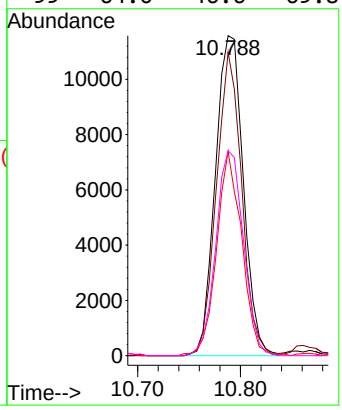




#55
1,1,2-Trichloroethane
Concen: 9.872 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 97 Resp: 2181

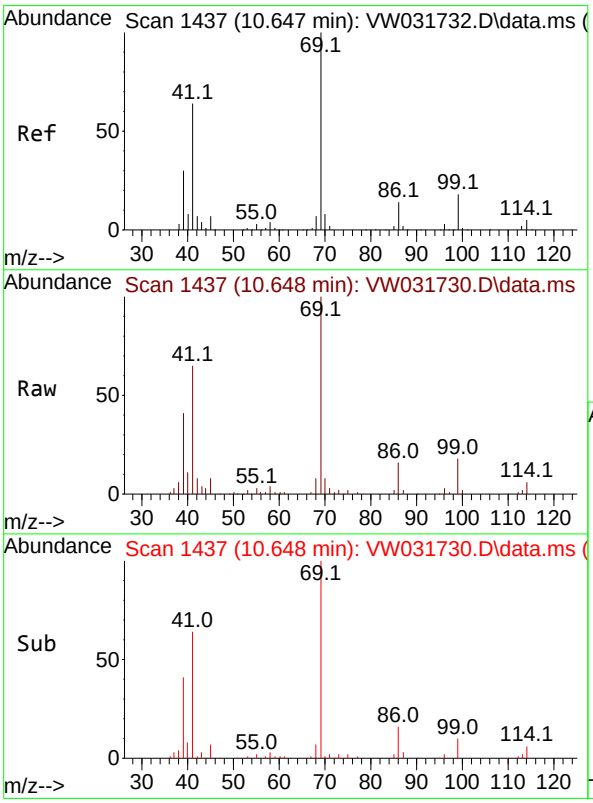
Ion	Ratio	Lower	Upper
97	100		
83	94.8	66.9	100.3
85	63.9	41.1	61.7
99	64.0	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

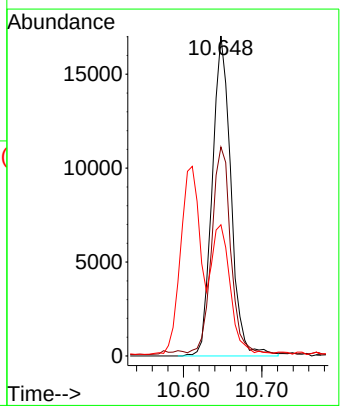
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

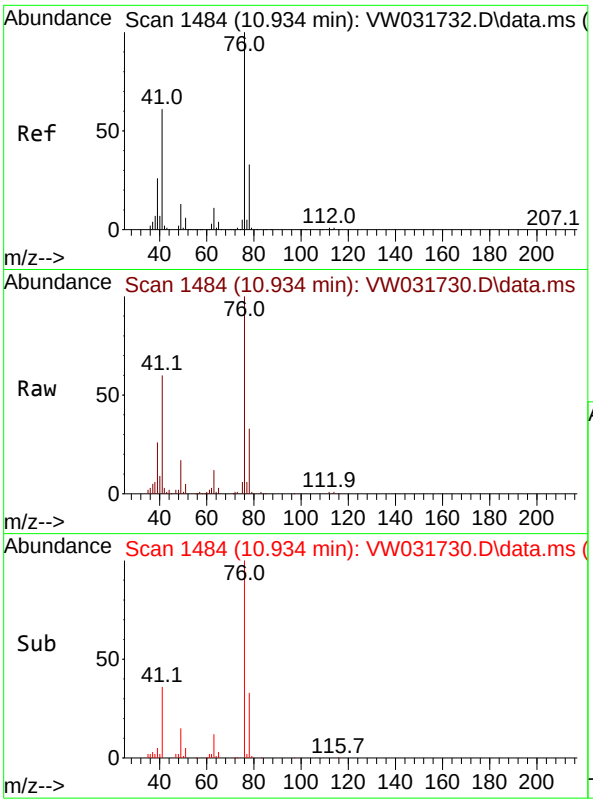


#56
Ethyl methacrylate
Concen: 9.445 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 69 Resp: 28317

Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.3	79.9
39	39.5	30.2	45.2





#57
1,3-Dichloropropane
Concen: 10.446 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

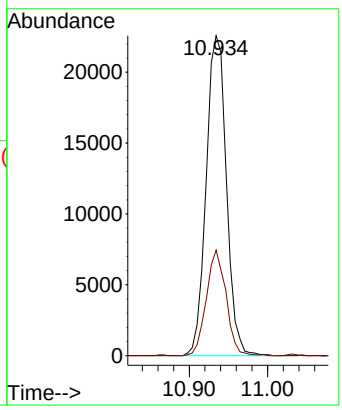
Tgt Ion: 76 Resp: 4052

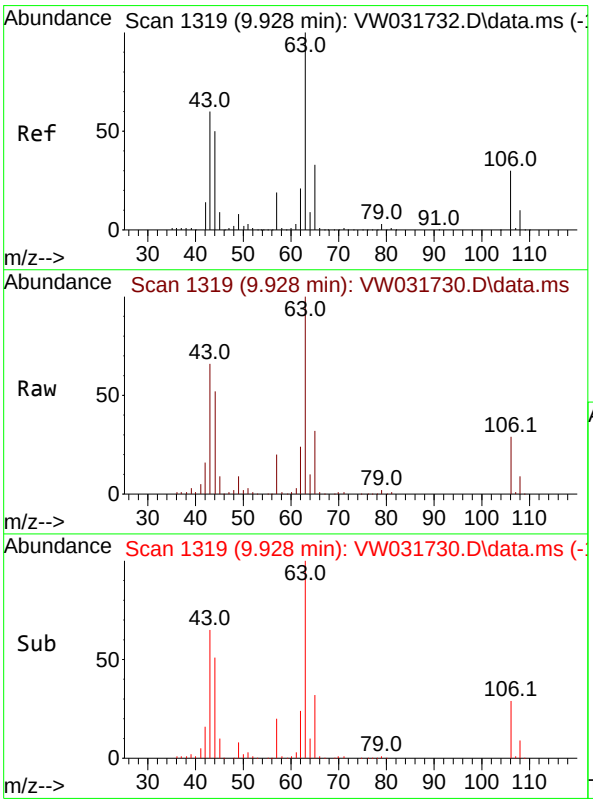
Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

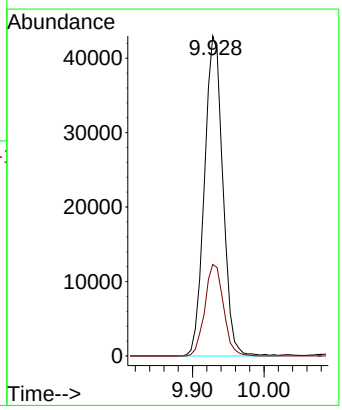


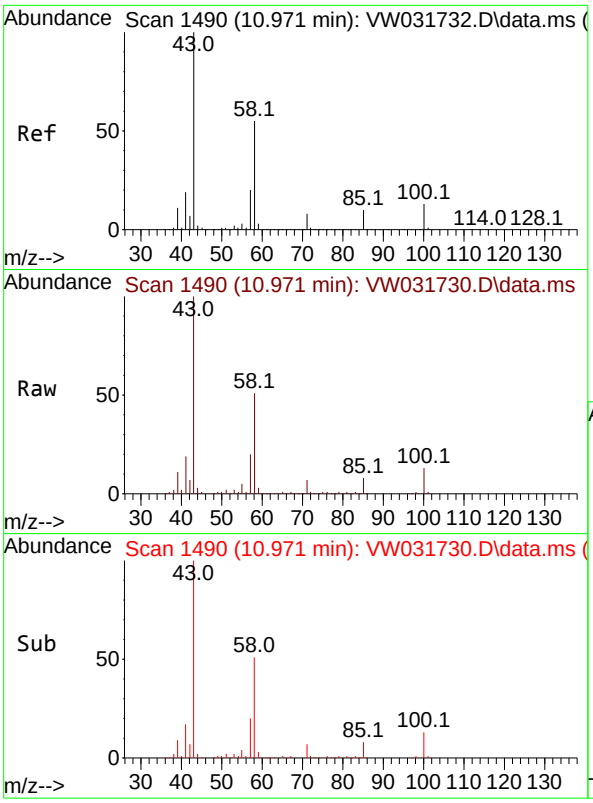


#58
2-Chloroethyl Vinyl ether
Concen: 46.578 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 63 Resp: 76896

Ion	Ratio	Lower	Upper
63	100		
106	28.9	24.1	36.1





#59
2-Hexanone
Concen: 50.260 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

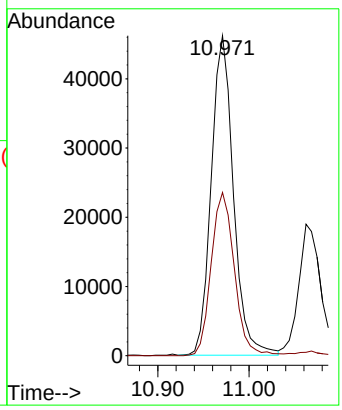
Tgt Ion: 43 Resp: 7781

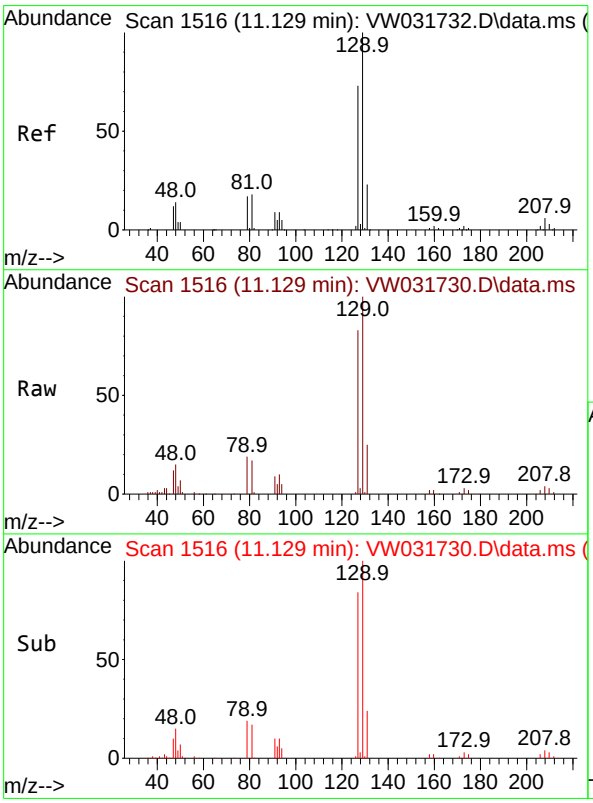
Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

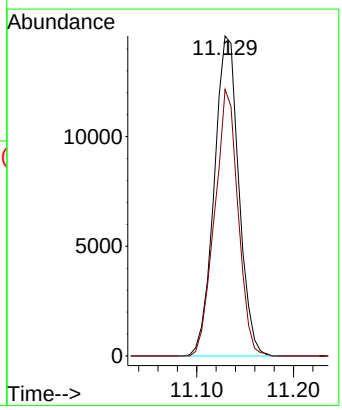


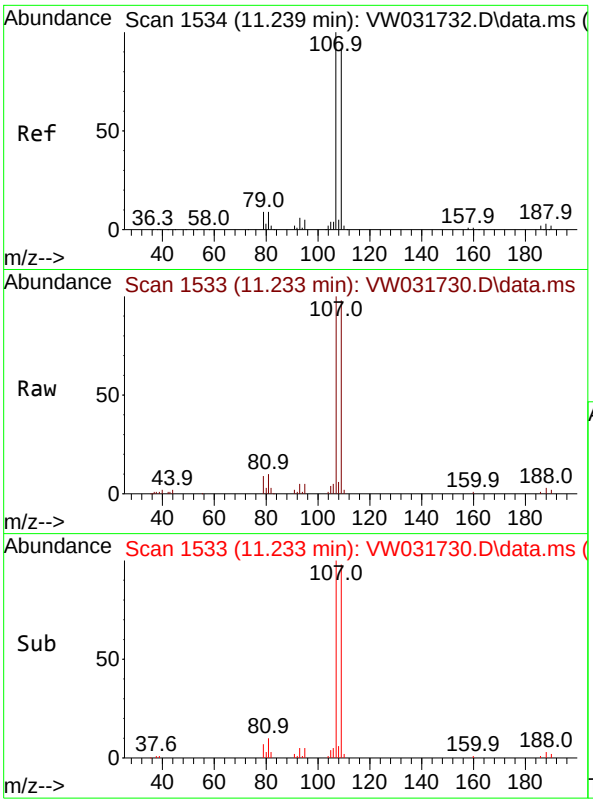


#60
Dibromochloromethane
Concen: 9.738 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:129 Resp: 25734

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.0	114.1

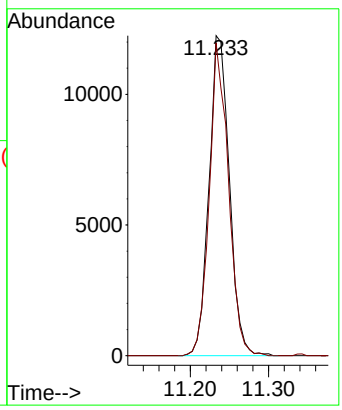




#61
1,2-Dibromoethane
Concen: 9.981 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:107 Resp: 2208

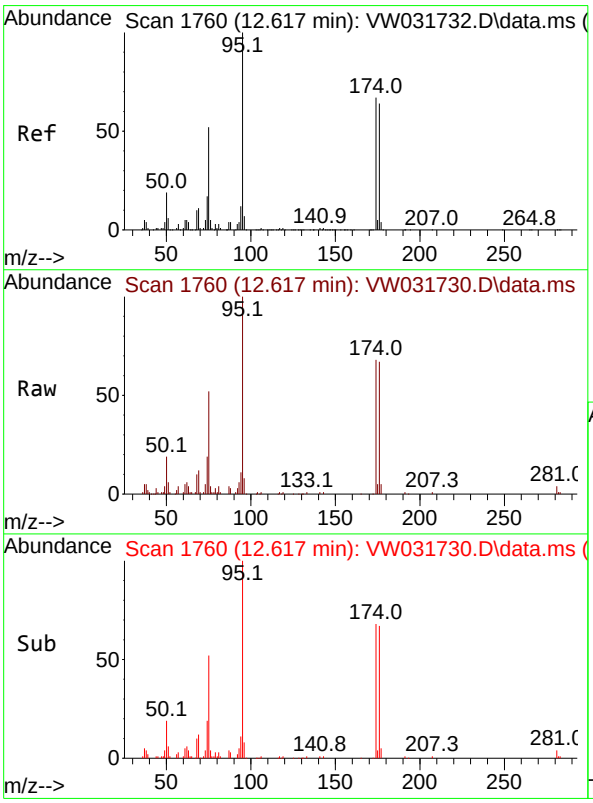
Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

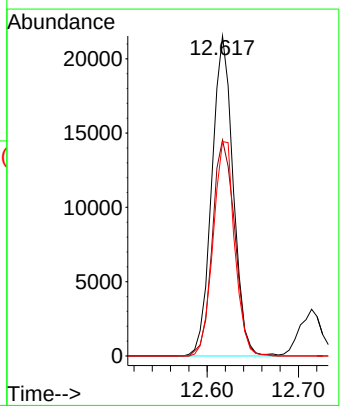
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

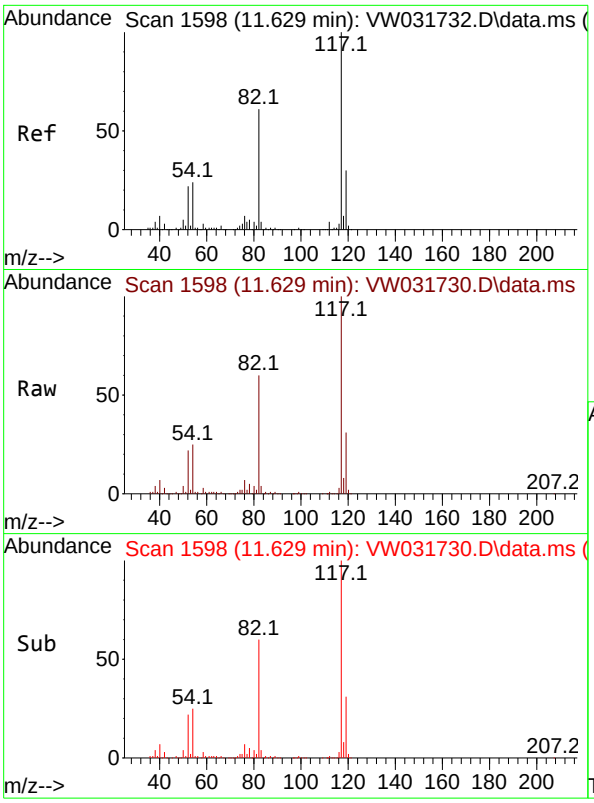


#62
4-Bromofluorobenzene
Concen: 10.105 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 95 Resp: 34948

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	133.8
176	67.6	0.0	126.0

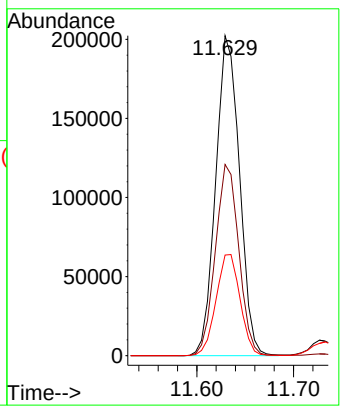




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:117 Resp: 34539

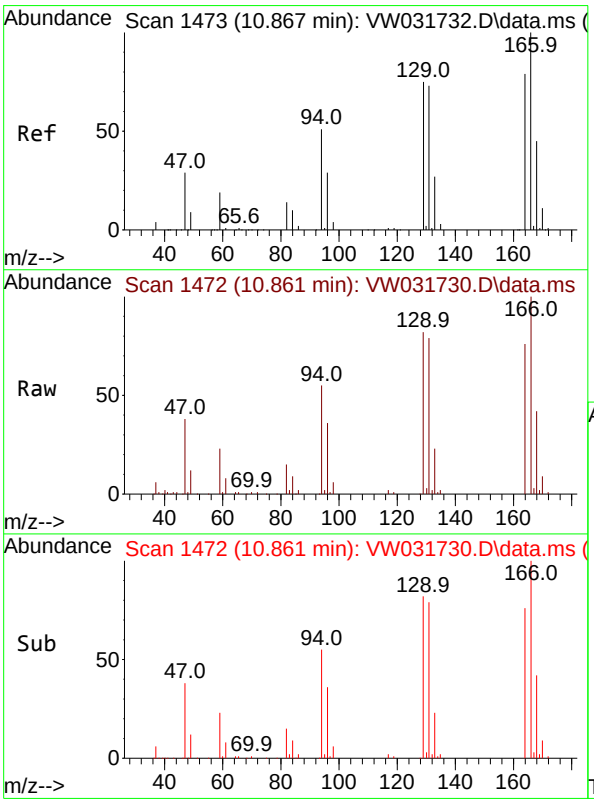
Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.6	72.8
119	31.5	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

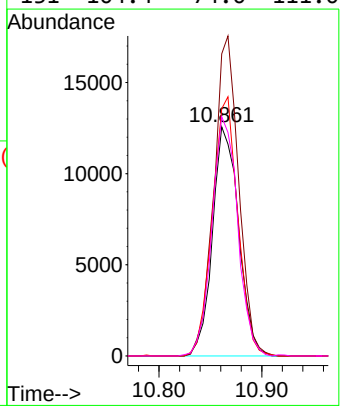
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

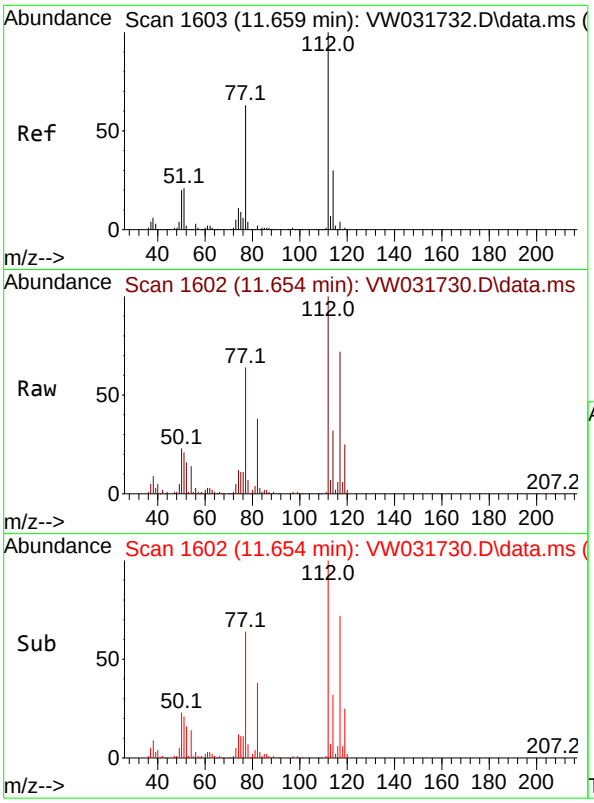


#64
Tetrachloroethene
Concen: 9.801 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:164 Resp: 22144

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.7	151.1
129	107.9	75.4	113.0
131	104.4	74.0	111.0

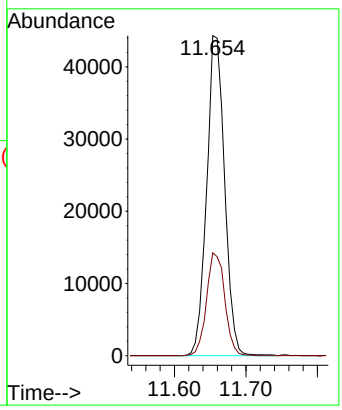




#65
Chlorobenzene
Concen: 10.113 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:112 Resp: 7706

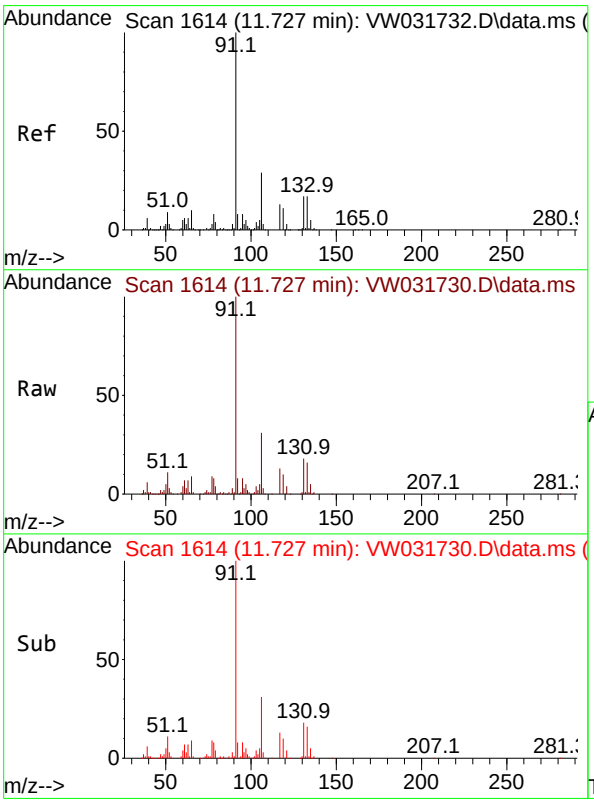
Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

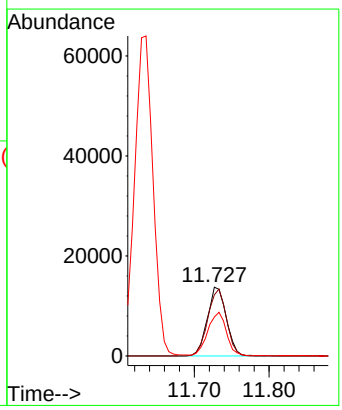
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

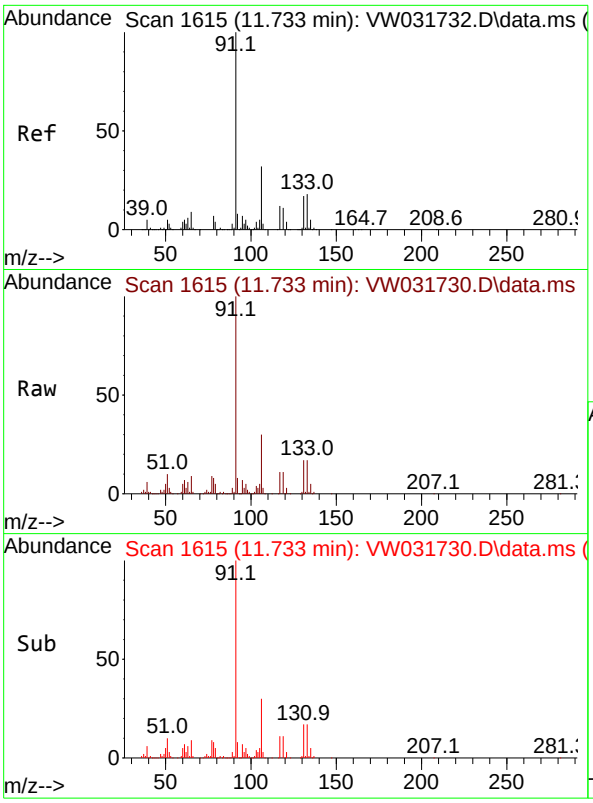


#66
1,1,1,2-Tetrachloroethane
Concen: 9.975 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:131 Resp: 24224

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.5	145.6
119	62.9	32.5	97.5

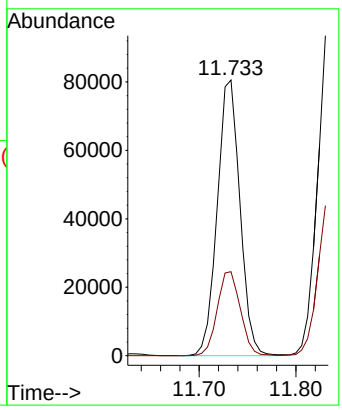




#67
Ethyl Benzene
Concen: 9.927 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 13118

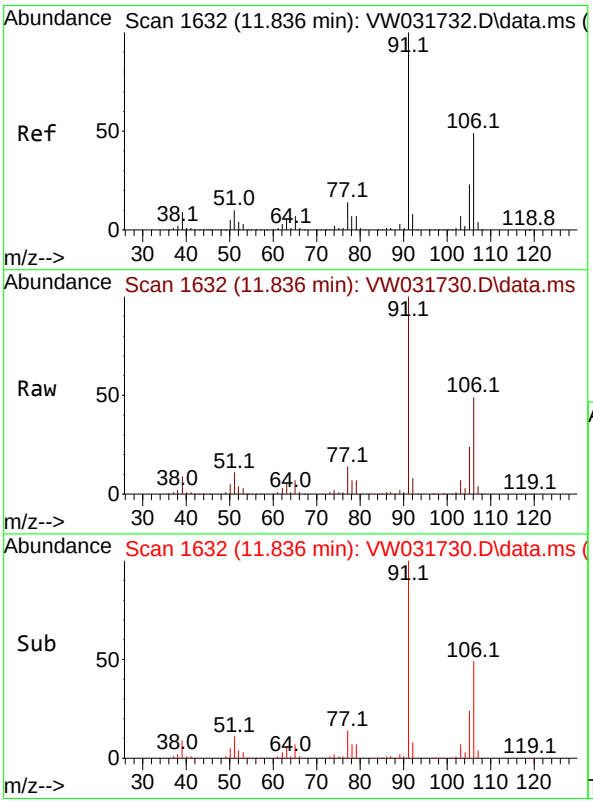
Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

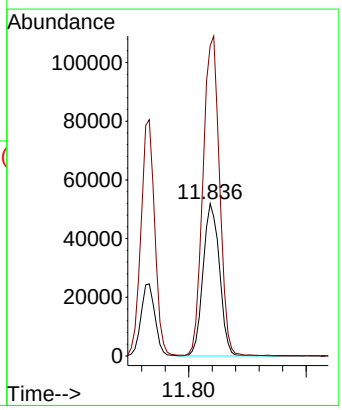
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

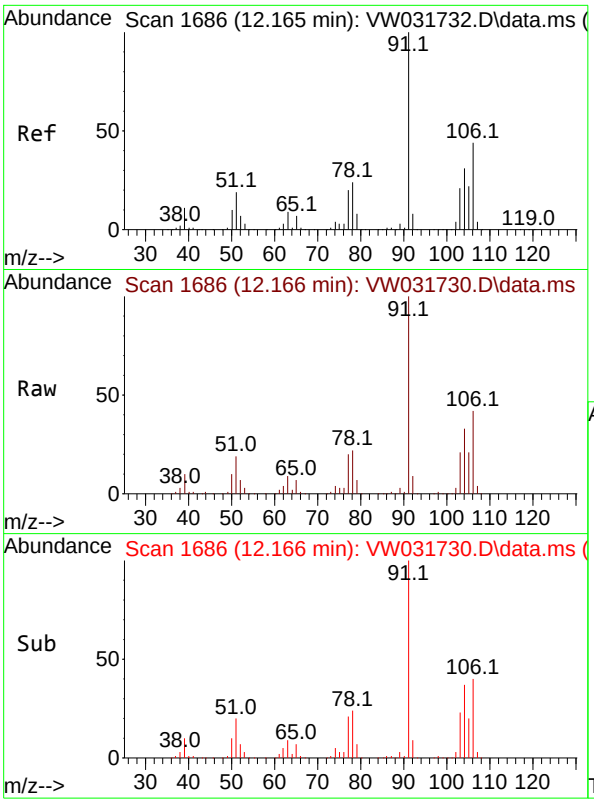


#68
m/p-Xylenes
Concen: 19.856 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:106 Resp: 100863

Ion	Ratio	Lower	Upper
106	100		
91	210.3	166.4	249.6

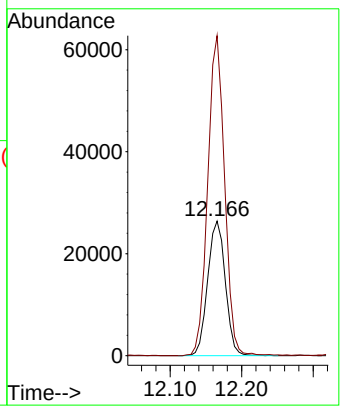




#69
o-Xylene
Concen: 9.611 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:106 Resp: 4520

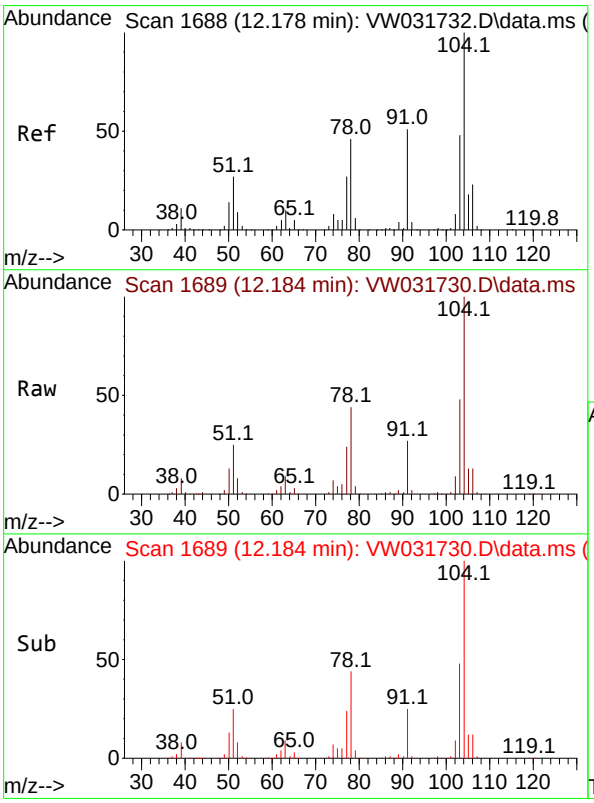
Ion	Ratio	Lower	Upper
106	100		
91	227.6	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

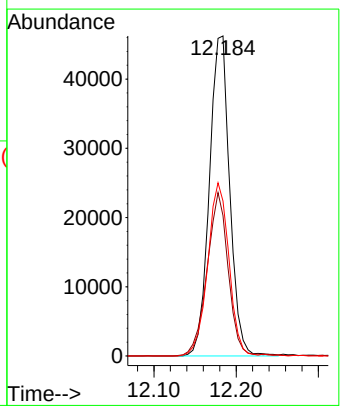
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

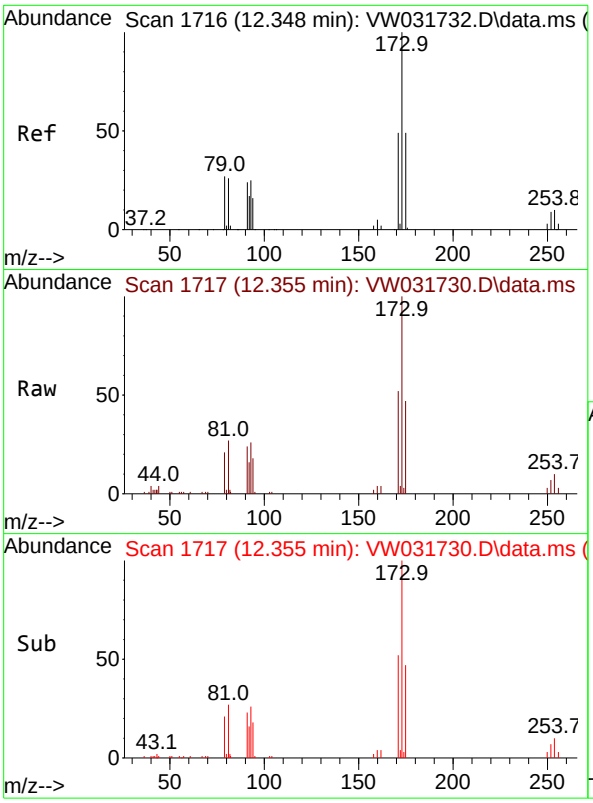


#70
Styrene
Concen: 9.805 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:104 Resp: 79722

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.1	63.1
103	56.3	43.0	64.6

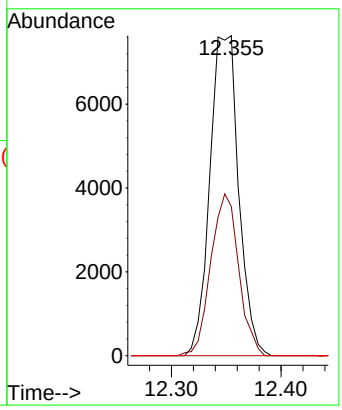




#71
Bromoform
Concen: 9.641 ug/l
RT: 12.355 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:173 Resp: 1396

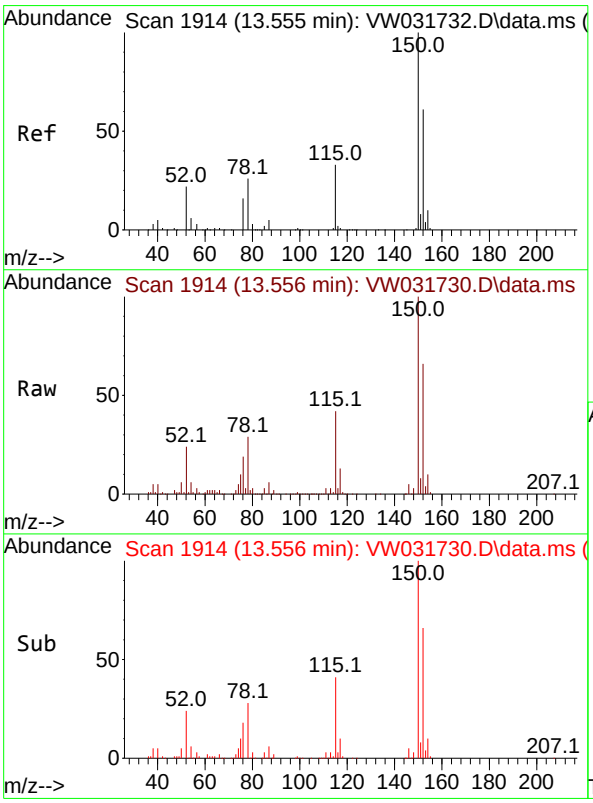
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

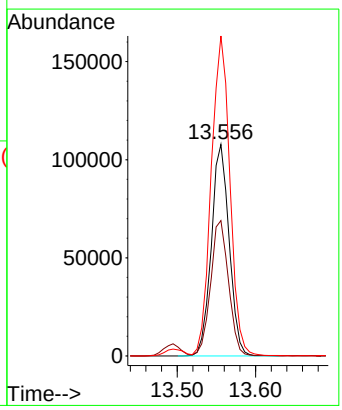
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

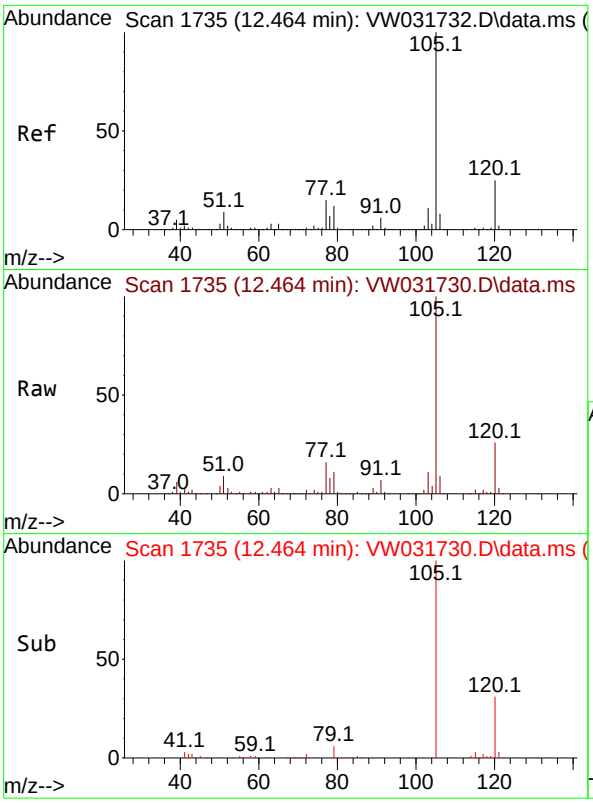


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:152 Resp: 170268

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.9	95.7
150	158.5	0.0	356.4

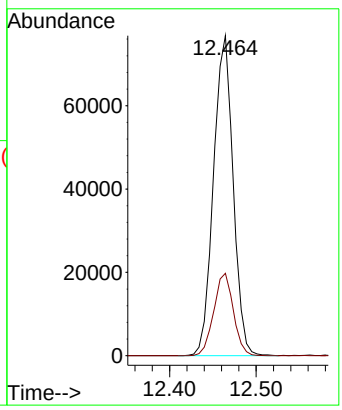




#73
Isopropylbenzene
Concen: 9.331 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 12085

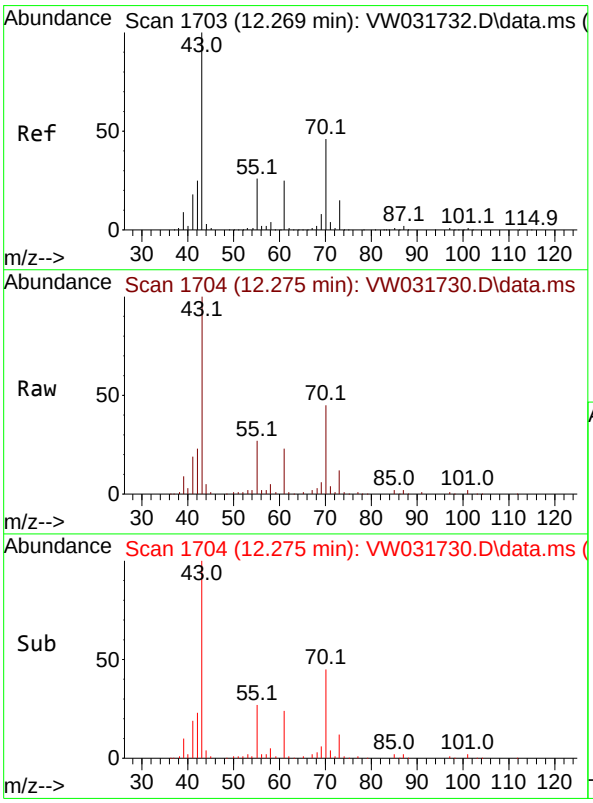
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

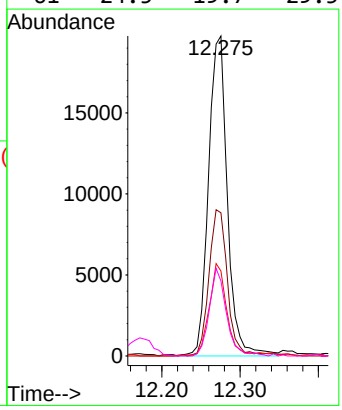
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

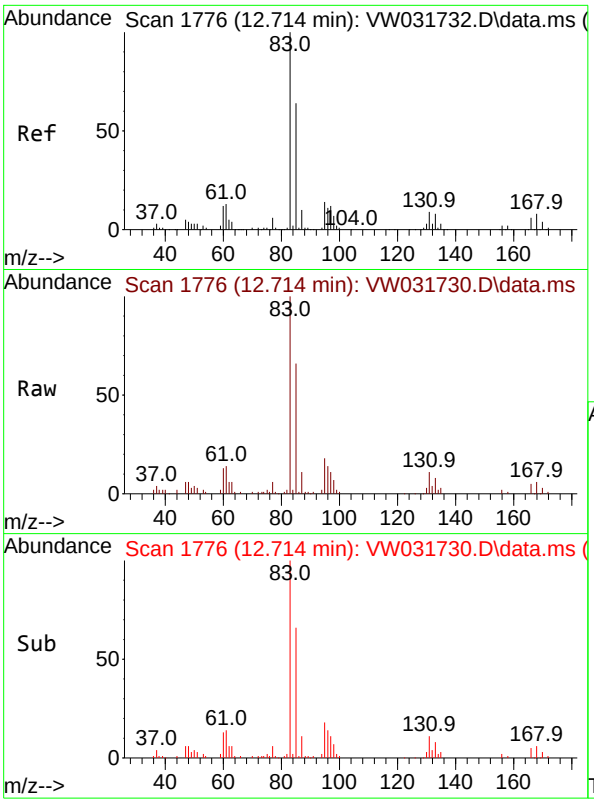


#74
N-amyl acetate
Concen: 9.467 ug/l
RT: 12.275 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 33049

Ion	Ratio	Lower	Upper
43	100		
70	44.7	36.0	54.0
55	26.8	20.8	31.2
61	24.5	19.7	29.5

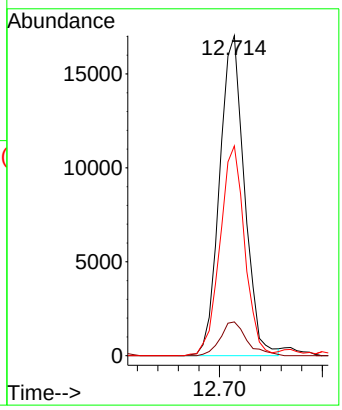




#75
1,1,2,2-Tetrachloroethane
Concen: 9.935 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 83 Resp: 2856

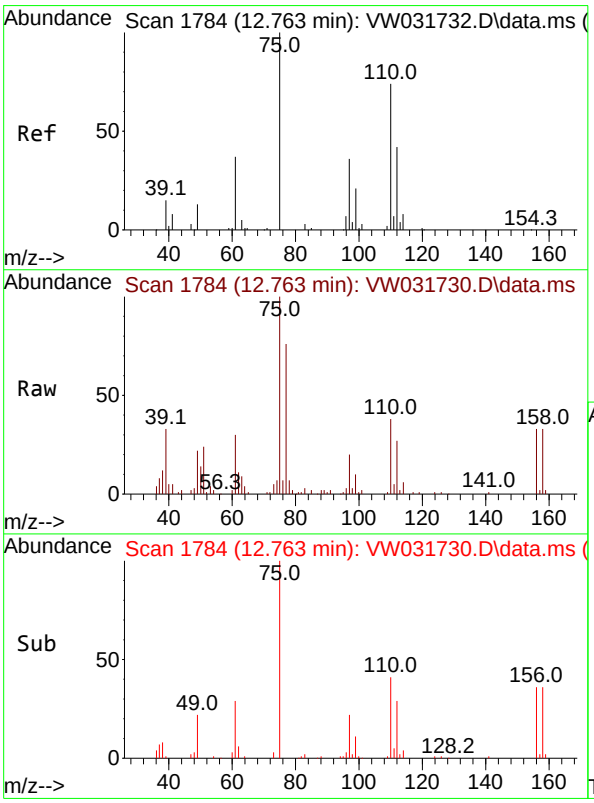
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	16.1
85	65.2	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

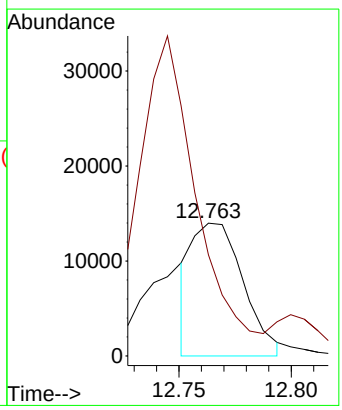
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

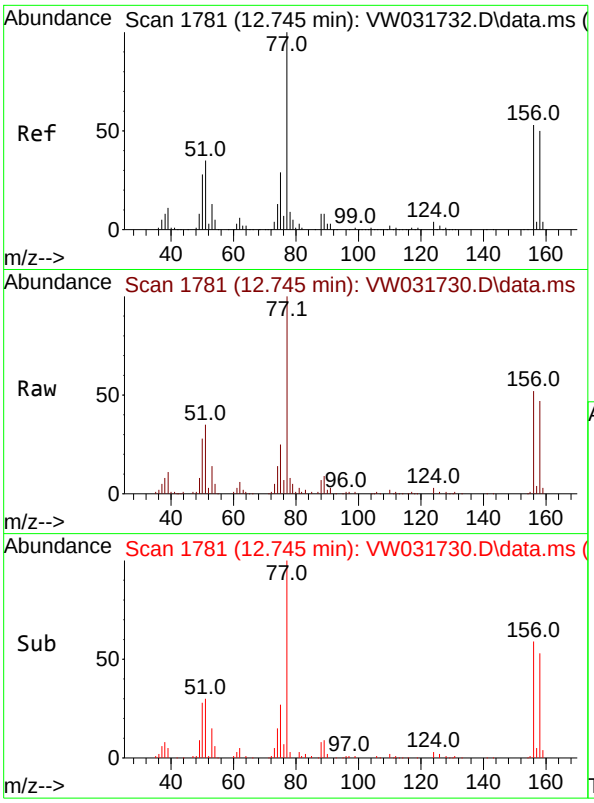


#76
1,2,3-Trichloropropane
Concen: 10.079 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 22177

Ion	Ratio	Lower	Upper
75	100		
77	277.8	141.2	423.6

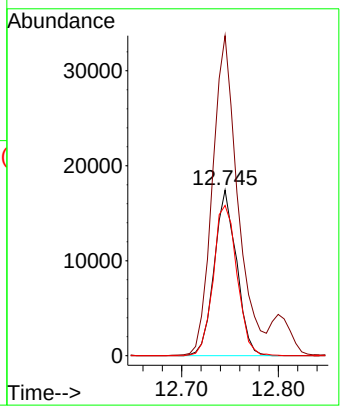




#77
Bromobenzene
Concen: 9.682 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:156 Resp: 2796

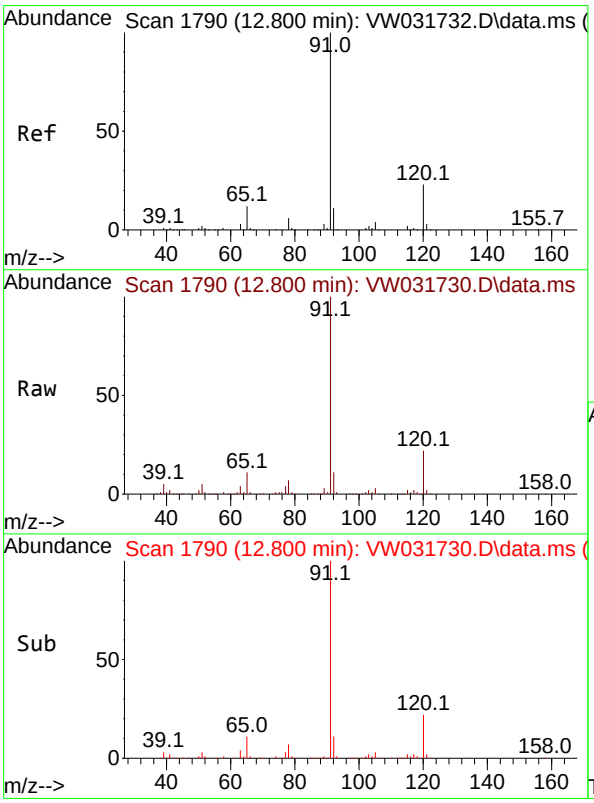
Ion	Ratio	Lower	Upper
156	100		
77	220.3	117.9	353.7
158	96.4	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

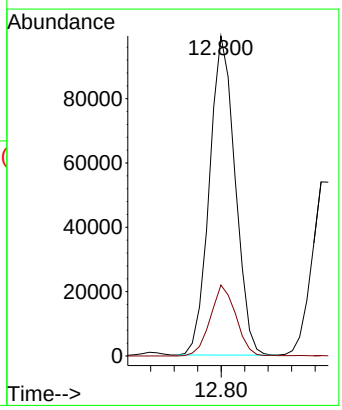
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

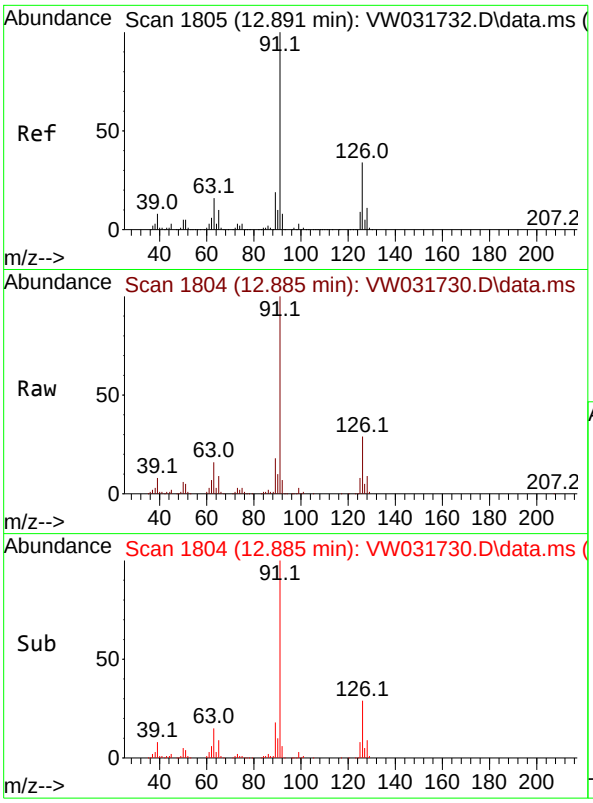


#78
n-propylbenzene
Concen: 9.734 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 150962

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.5	34.4

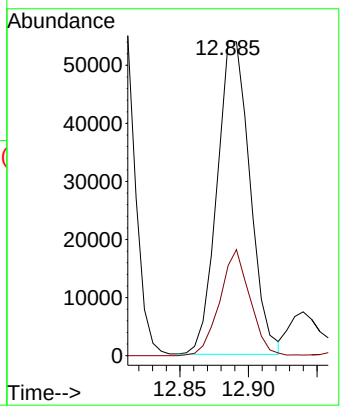




#79
2-Chlorotoluene
Concen: 9.654 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 9016

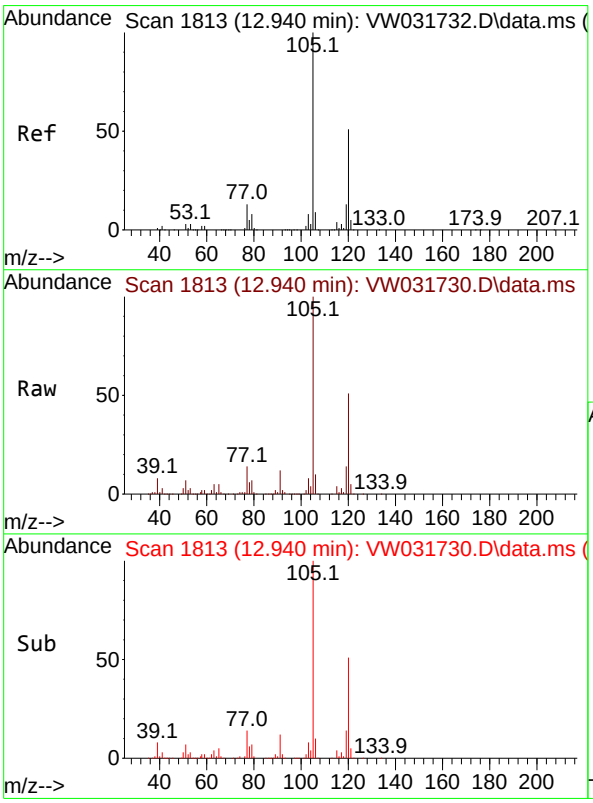
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
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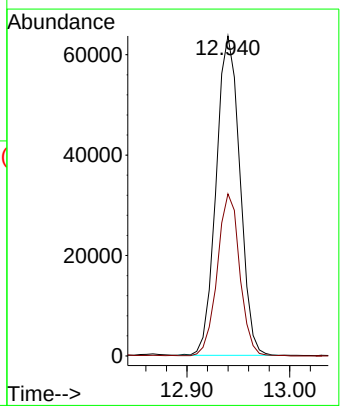
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

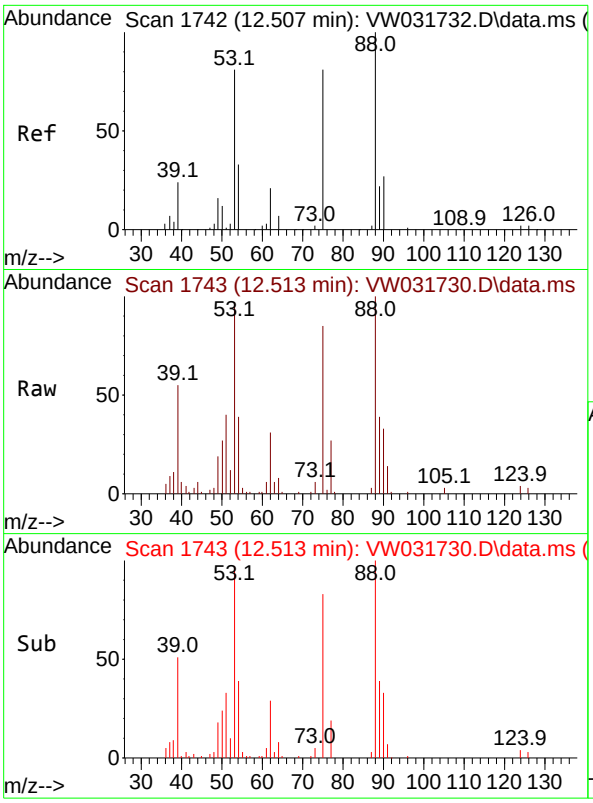


#80
1,3,5-Trimethylbenzene
Concen: 9.489 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 101724

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.2

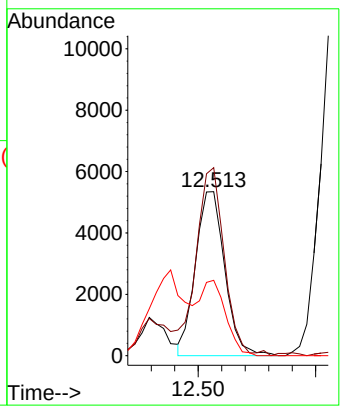




#81
trans-1,4-Dichloro-2-butene
Concen: 9.808 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 926

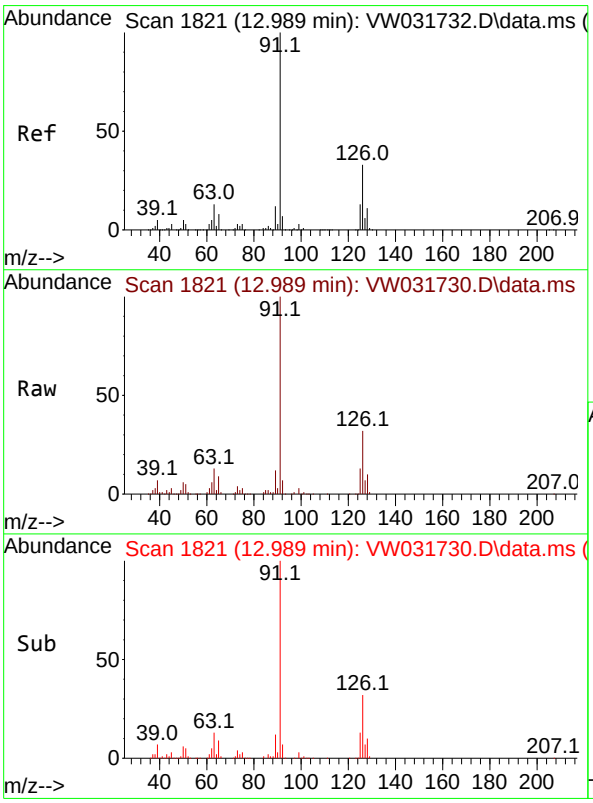
Ion	Ratio	Lower	Upper
75	100		
53	112.1	83.5	125.3
89	40.9	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

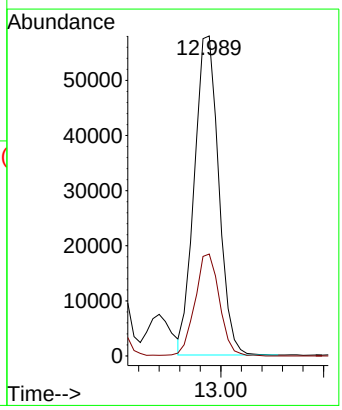
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

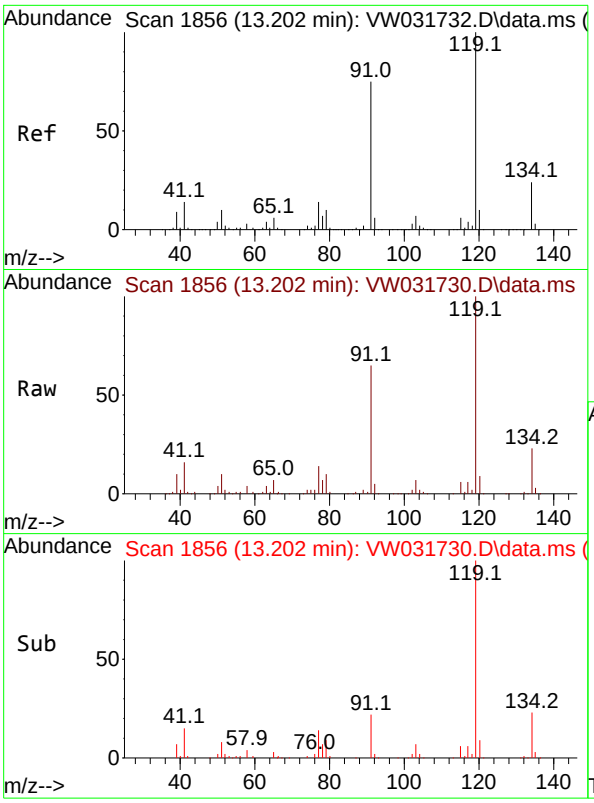


#82
4-Chlorotoluene
Concen: 9.731 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 95411

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9

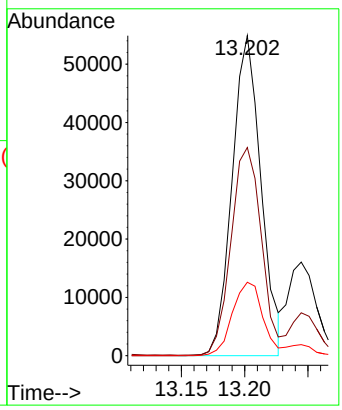




#83
tert-Butylbenzene
Concen: 9.495 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:119 Resp: 8719

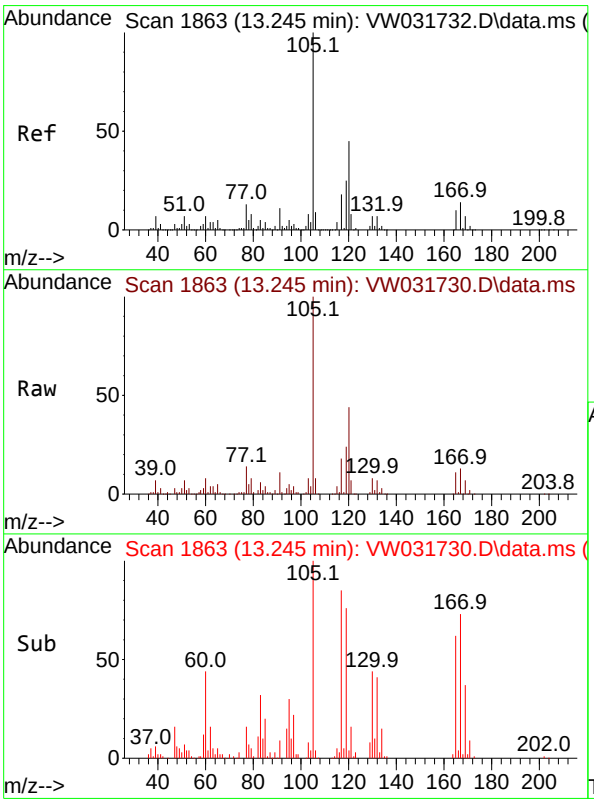
Ion	Ratio	Lower	Upper
119	100		
91	68.0	36.0	108.1
134	24.6	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

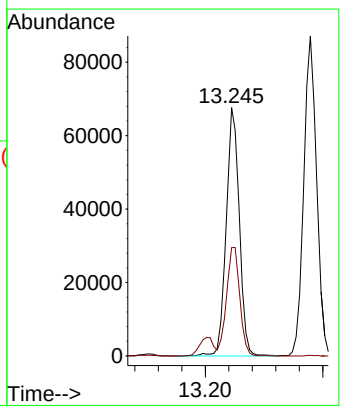
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

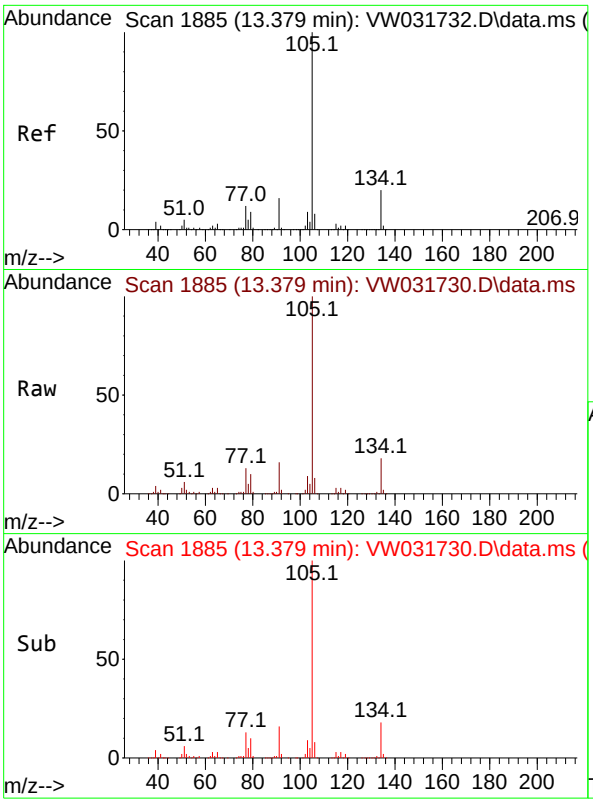


#84
1,2,4-Trimethylbenzene
Concen: 9.651 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 104832

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

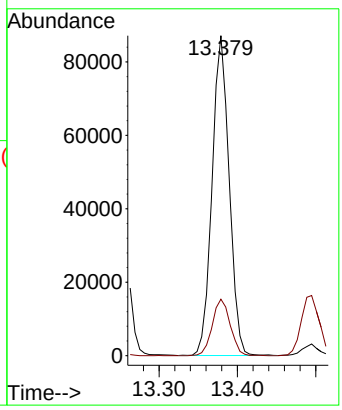




#85
sec-Butylbenzene
Concen: 9.578 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 13201

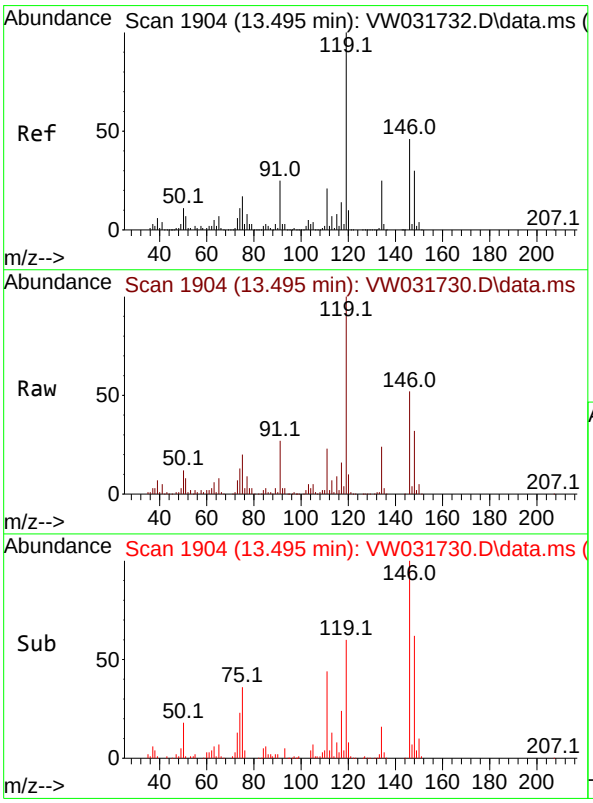
Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

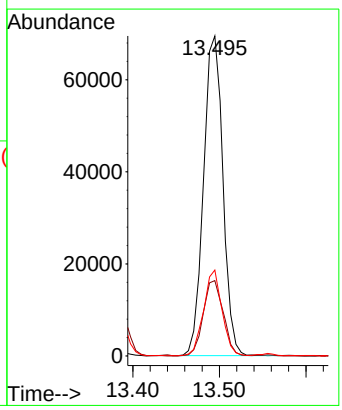
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

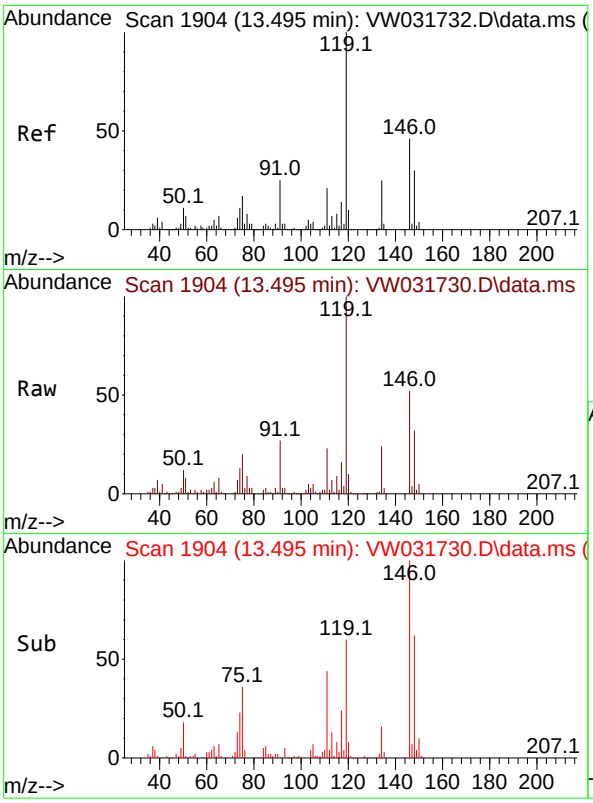


#86
p-Isopropyltoluene
Concen: 9.490 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:119 Resp: 107805

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.9	38.7
91	25.4	12.7	38.0

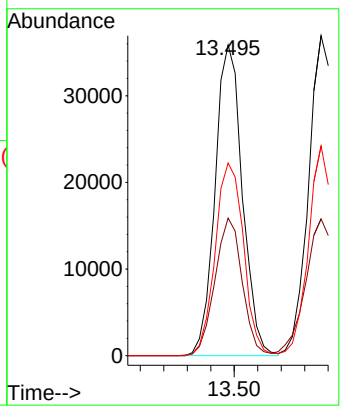




#87
1,3-Dichlorobenzene
Concen: 10.021 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:146 Resp: 5804

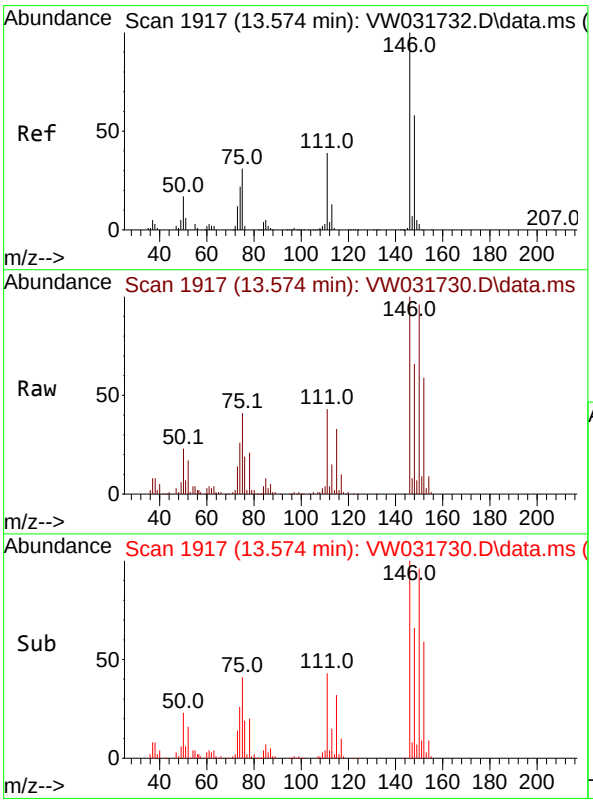
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.9
148	64.4	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

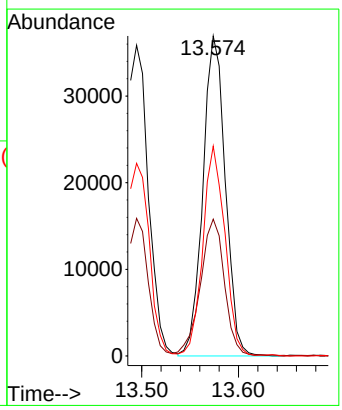
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

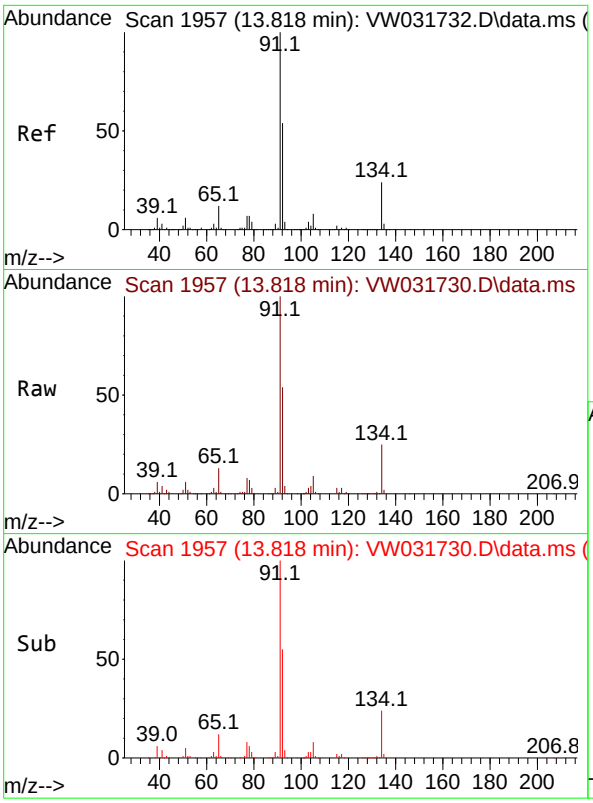


#88
1,4-Dichlorobenzene
Concen: 10.051 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:146 Resp: 59597

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.4	61.3
148	64.0	30.2	90.6

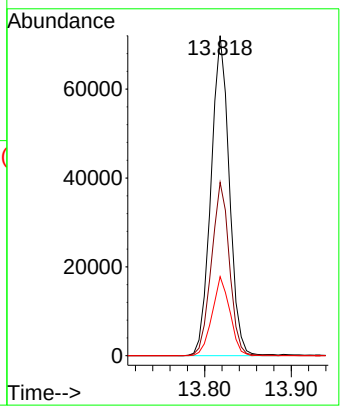




#89
n-Butylbenzene
Concen: 9.597 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 10592

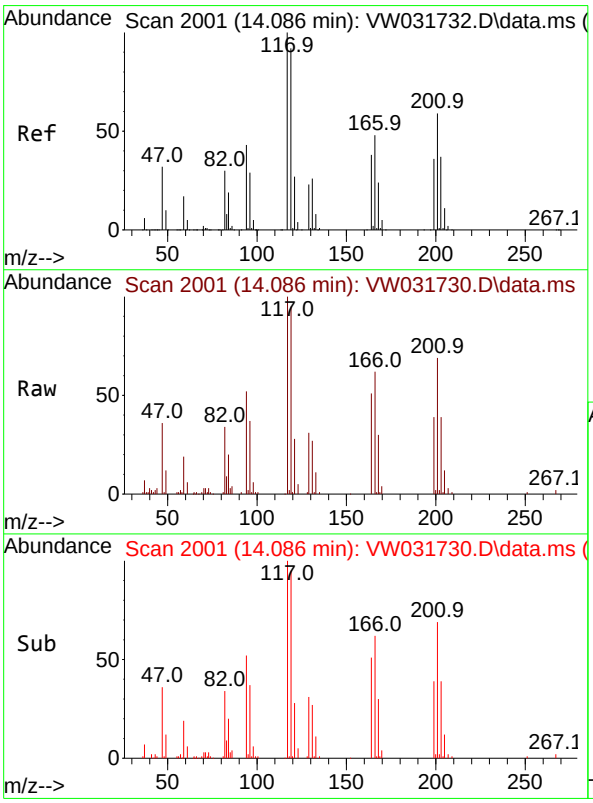
Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.5
134	23.9	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

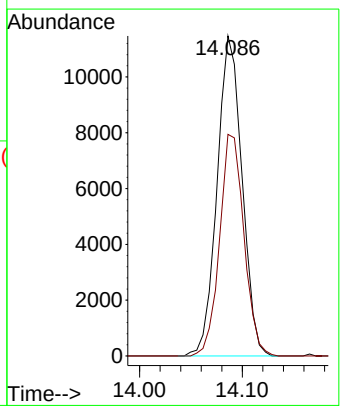
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

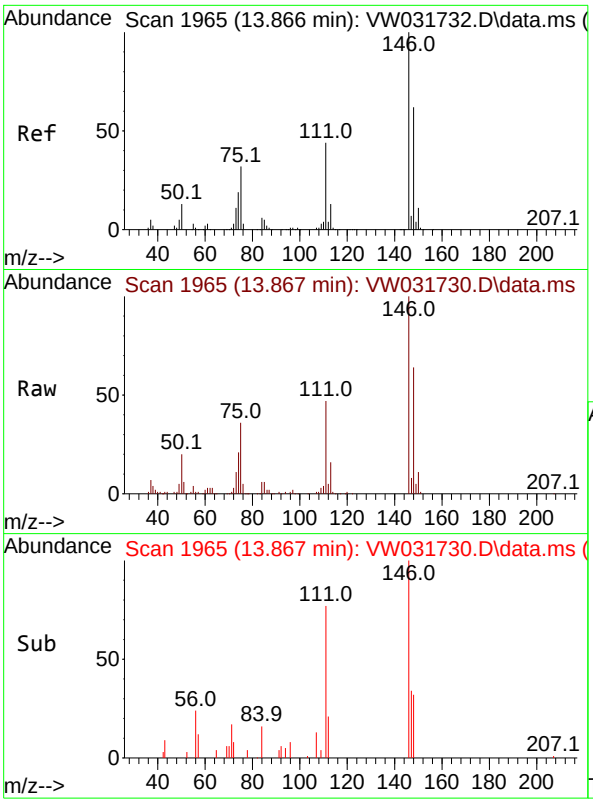


#90
Hexachloroethane
Concen: 9.420 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:117 Resp: 19306

Ion	Ratio	Lower	Upper
117	100		
201	67.7	31.1	93.3

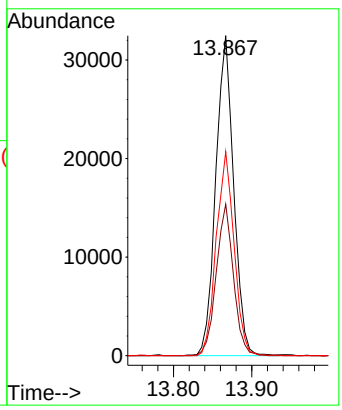




#91
1,2-Dichlorobenzene
Concen: 9.761 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:146 Resp: 5168

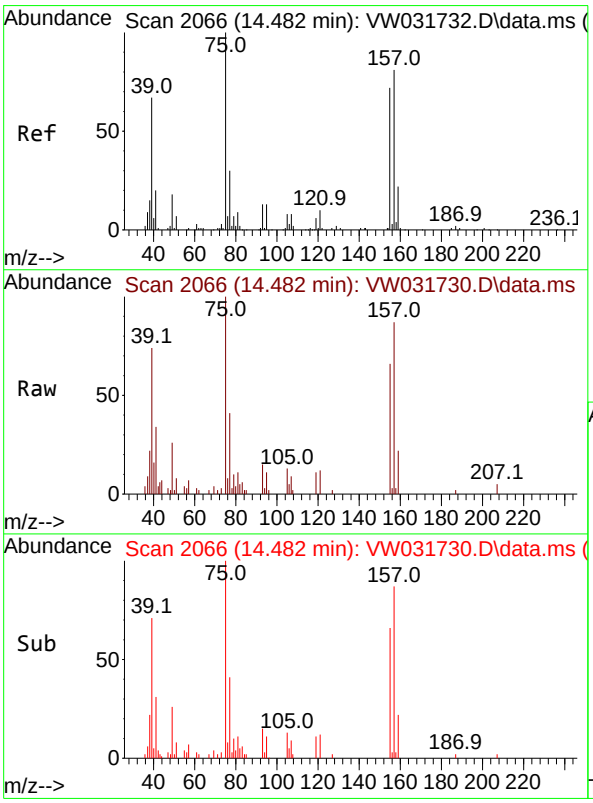
Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.7	65.1
148	63.3	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

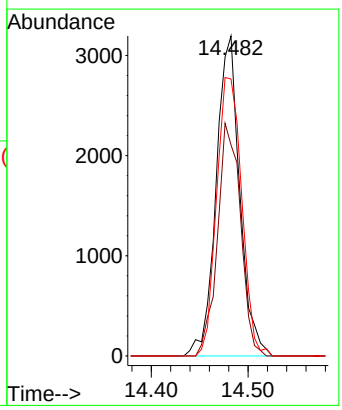
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

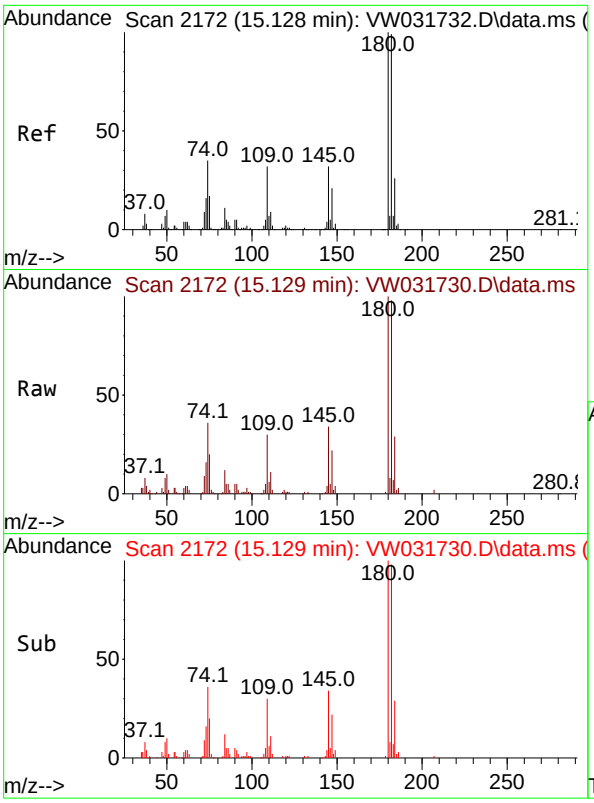


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.634 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 5409

Ion	Ratio	Lower	Upper
75	100		
155	70.9	37.2	111.6
157	92.6	45.6	136.9

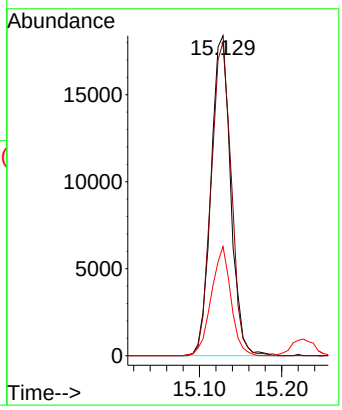




#93
1,2,4-Trichlorobenzene
Concen: 9.371 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:180 Resp: 3059

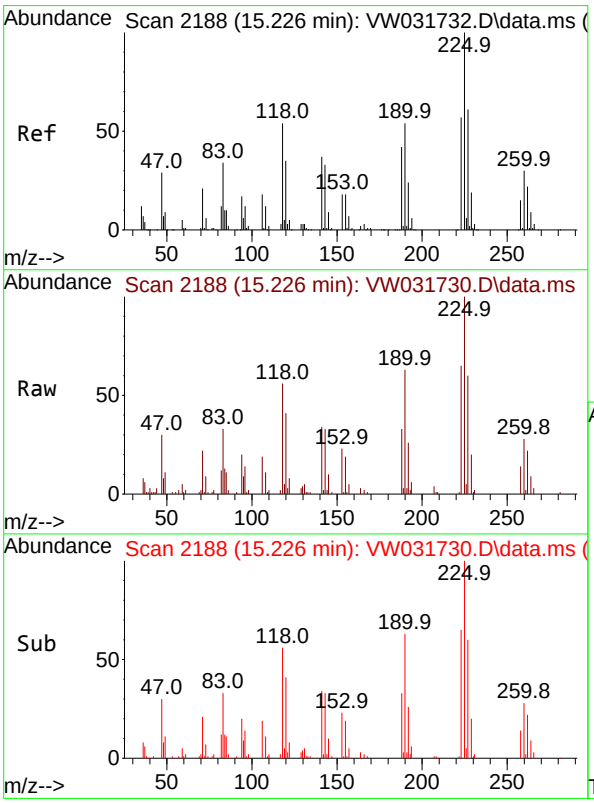
Ion	Ratio	Lower	Upper
180	100		
182	100.0	48.6	145.9
145	33.9	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

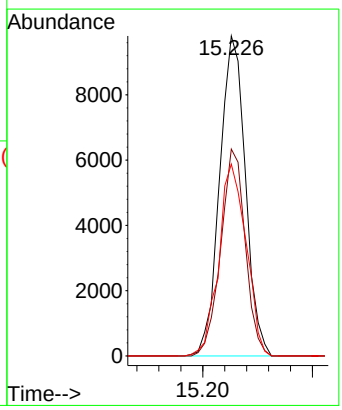
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

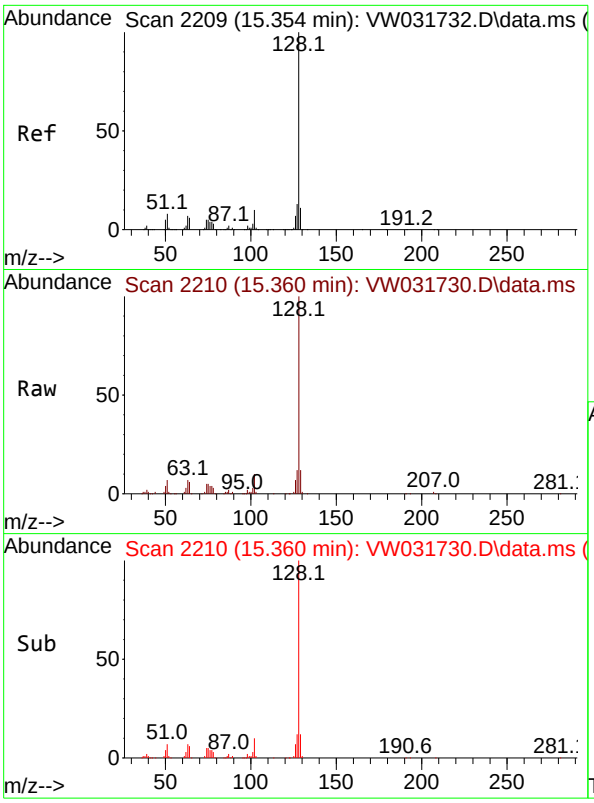


#94
Hexachlorobutadiene
Concen: 10.136 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:225 Resp: 15982

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.6	97.8
227	63.7	37.3	111.8

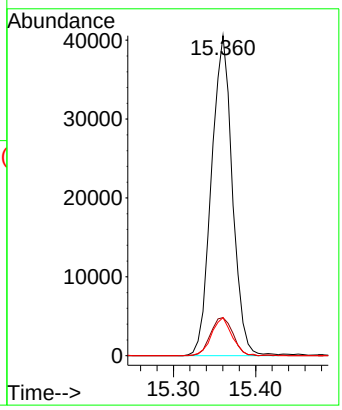




#95
Naphthalene
Concen: 8.964 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:128 Resp: 7175

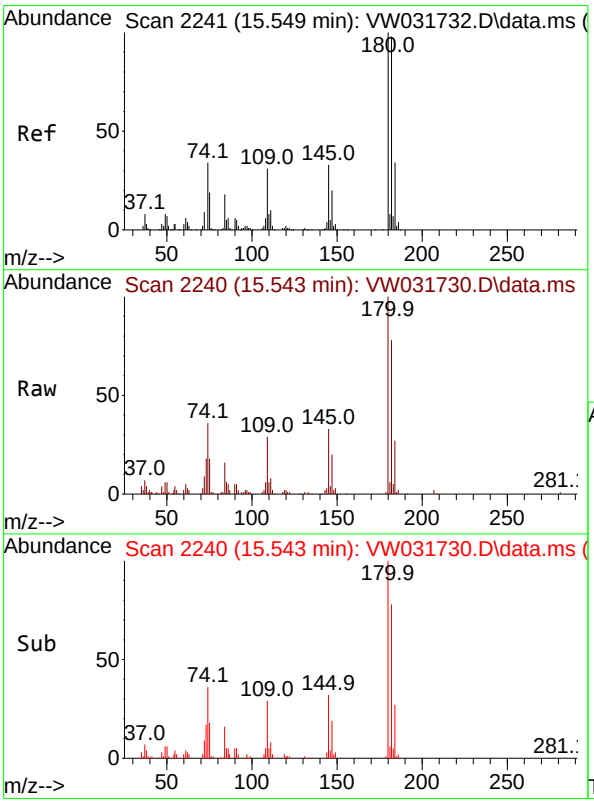
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	11.7	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

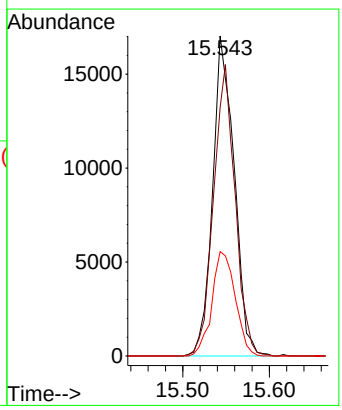
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.823 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:180 Resp: 29473

Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.4	139.1
145	35.3	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l		91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l		100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l		100
44) Trichloroethene	9.099	130	54194	21.074	ug/l		100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l		100
46) Dibromomethane	9.465	93	33467	20.817	ug/l		98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l		96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l		98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l		
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l		99
52) Toluene	10.391	92	138387	20.978	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l		99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l		98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l		99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l		98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l		99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l		98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l		99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l		94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l		98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l		96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l		97
69) o-Xylene	12.165	106	95105	20.126	ug/l		99
70) Styrene	12.178	104	165896	20.307	ug/l		100
71) Bromoform	12.348	173	28135	19.330	ug/l	#	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l		99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l		
77) Bromobenzene	12.745	156	55325	19.235	ug/l		92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l		98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l		92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l		99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l		98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l		100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l		95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l		98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l		98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l		95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l		94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l		94
95) Naphthalene	15.354	128	146159	18.335	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l		93

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

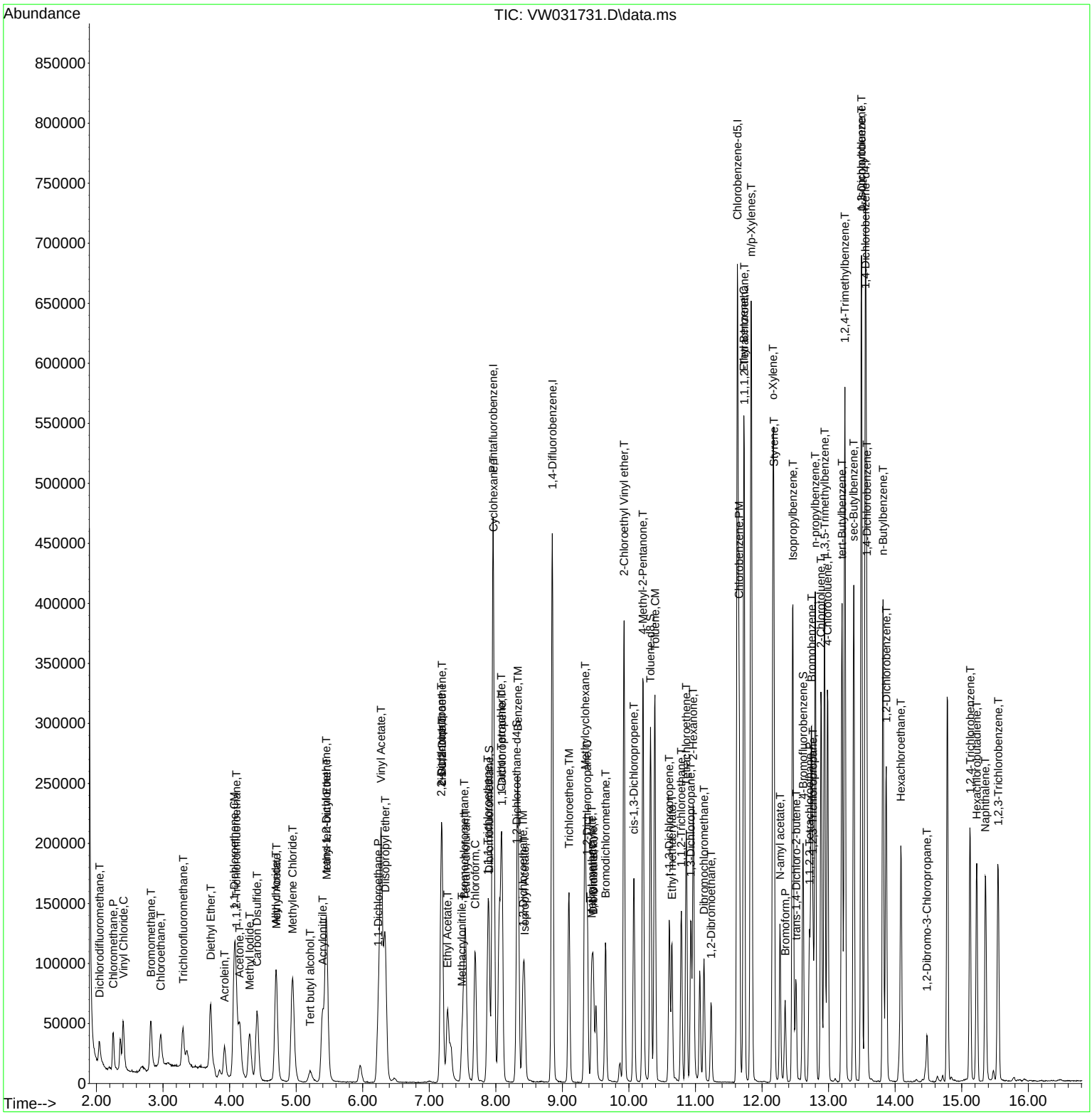
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Data File : VW031731.D
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Operator : SY/MD
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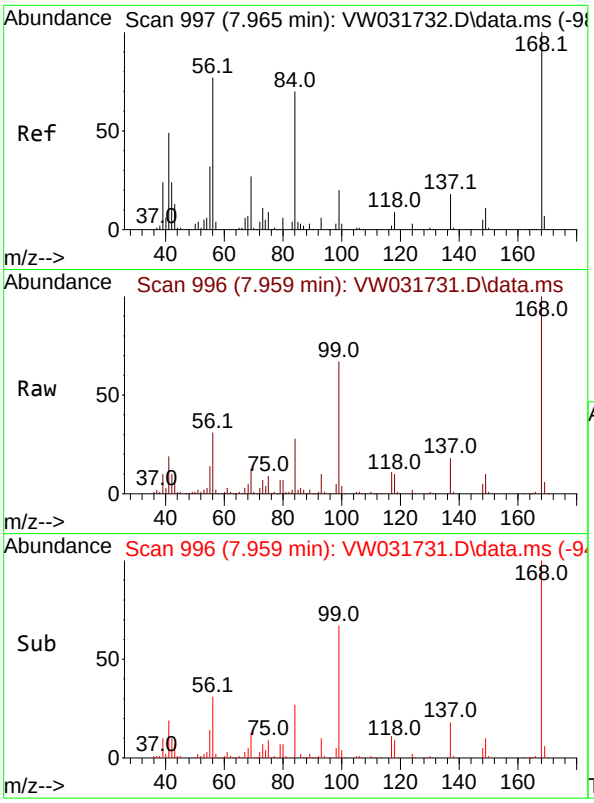
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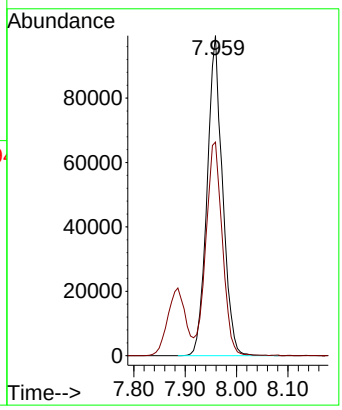




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:168 Resp: 20636

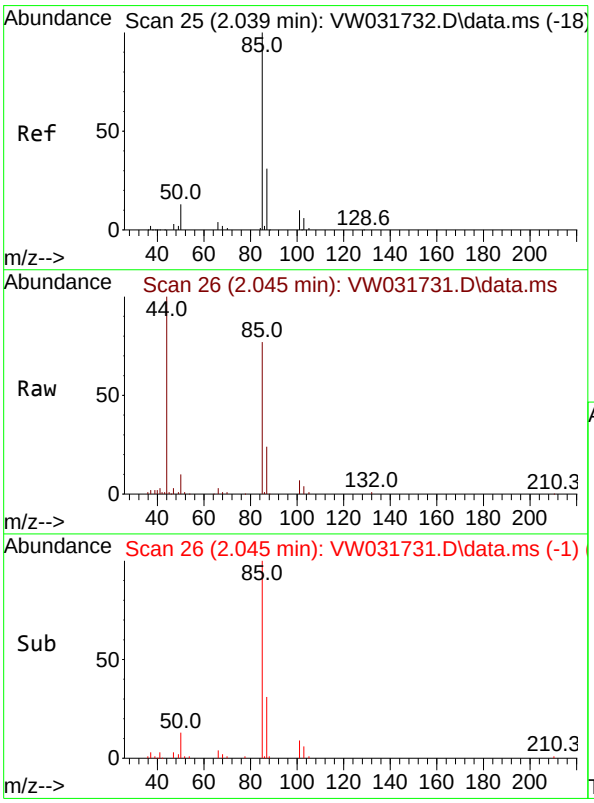
Ion	Ratio	Lower	Upper
168	100		
99	66.6	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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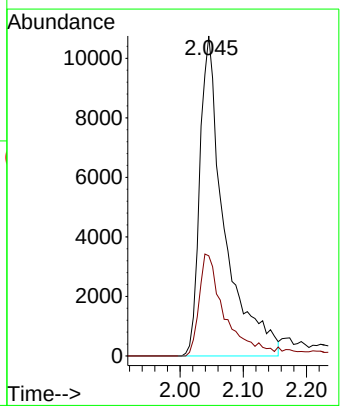
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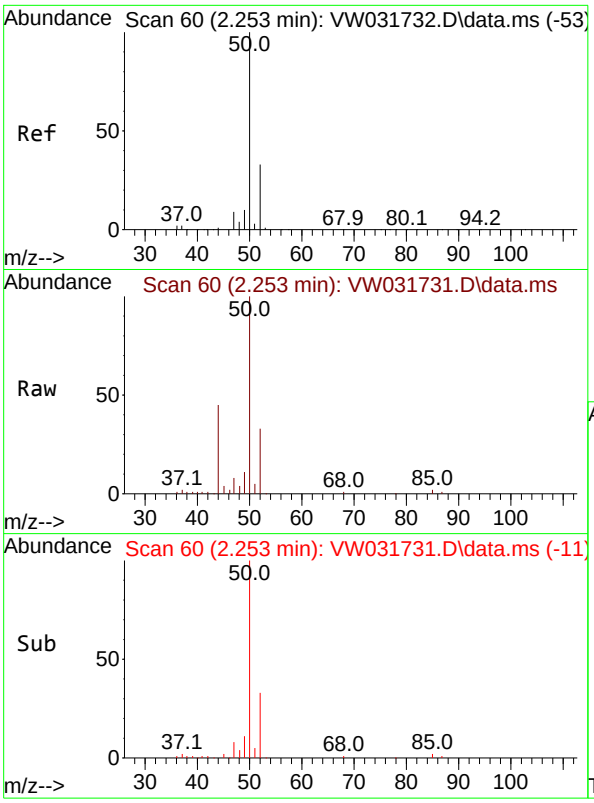


#2
Dichlorodifluoromethane
Concen: 20.703 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 85 Resp: 29096

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.4	46.2

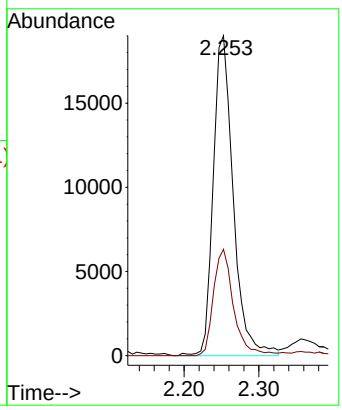




#3
Chloromethane
Concen: 20.832 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 50 Resp: 3529

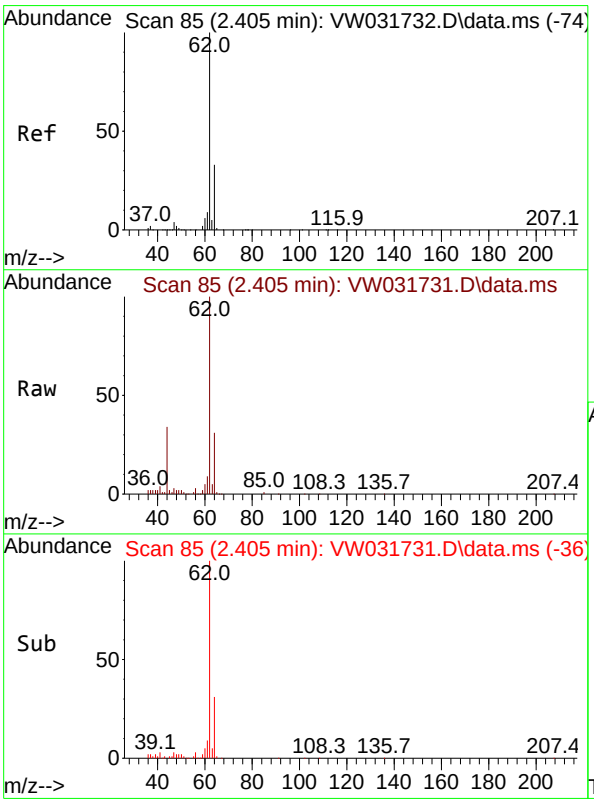
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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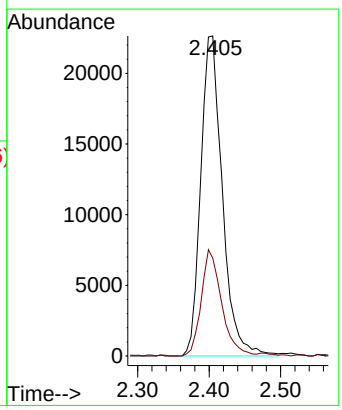
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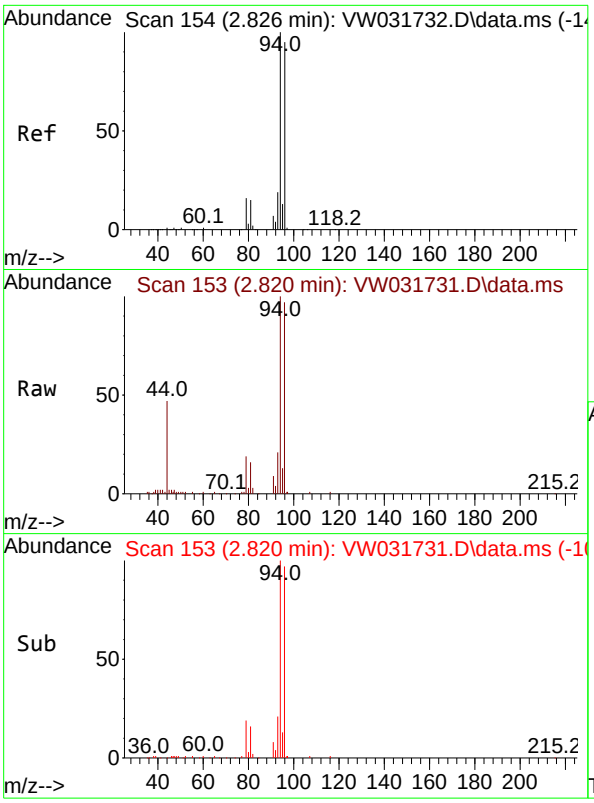


#4
Vinyl Chloride
Concen: 21.344 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 47534

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.8	40.2

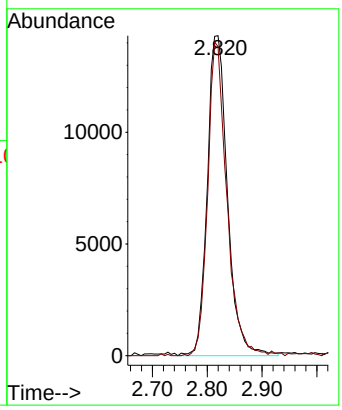




#5
Bromomethane
Concen: 21.030 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 94 Resp: 3658

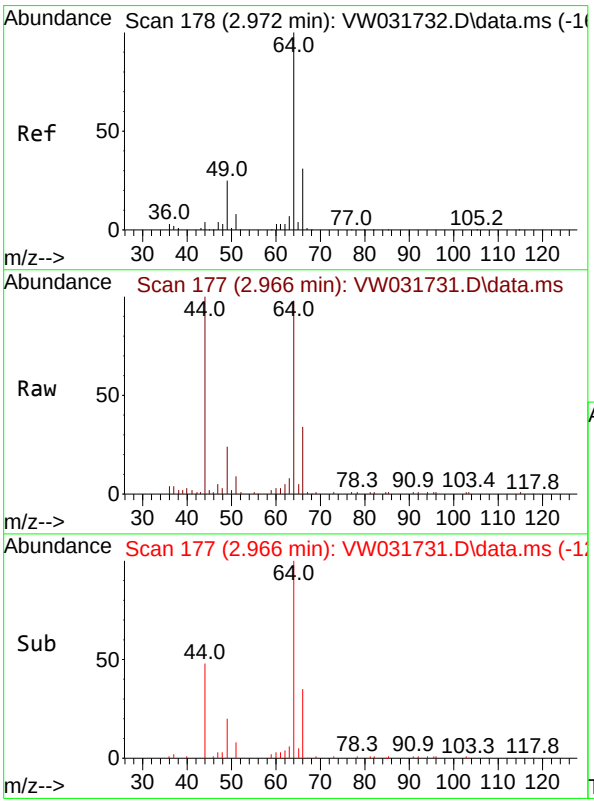
Ion	Ratio	Lower	Upper
94	100		
96	96.6	75.6	113.4



Instrument :
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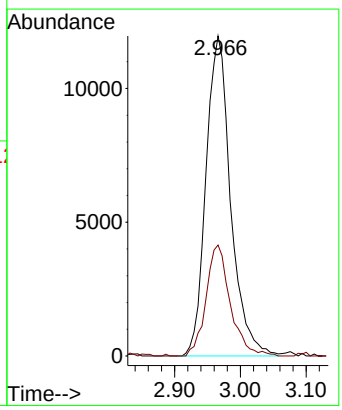
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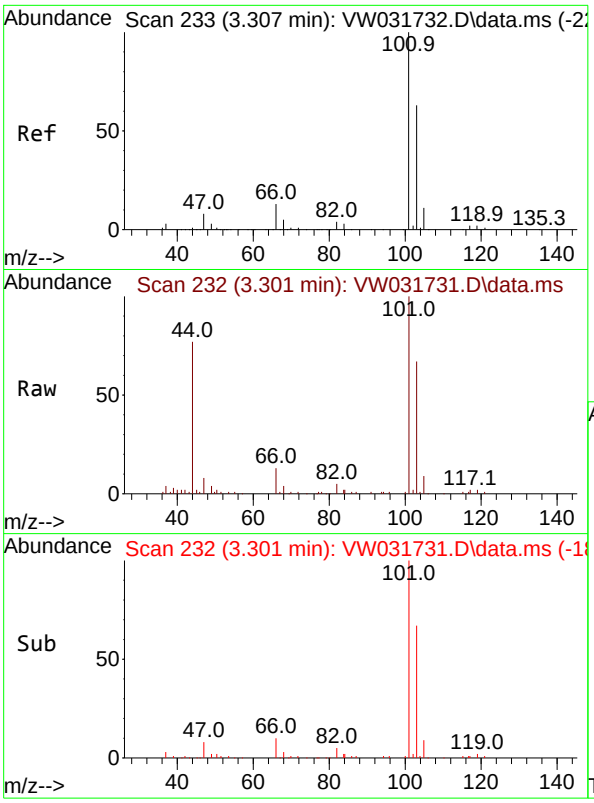


#6
Chloroethane
Concen: 20.660 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 64 Resp: 31253

Ion	Ratio	Lower	Upper
64	100		
66	34.6	24.5	36.7





#7
Trichlorofluoromethane
Concen: 18.036 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

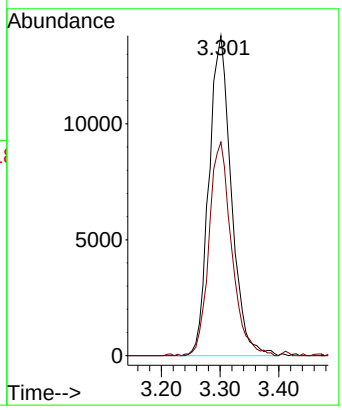
Tgt Ion:101 Resp: 3647

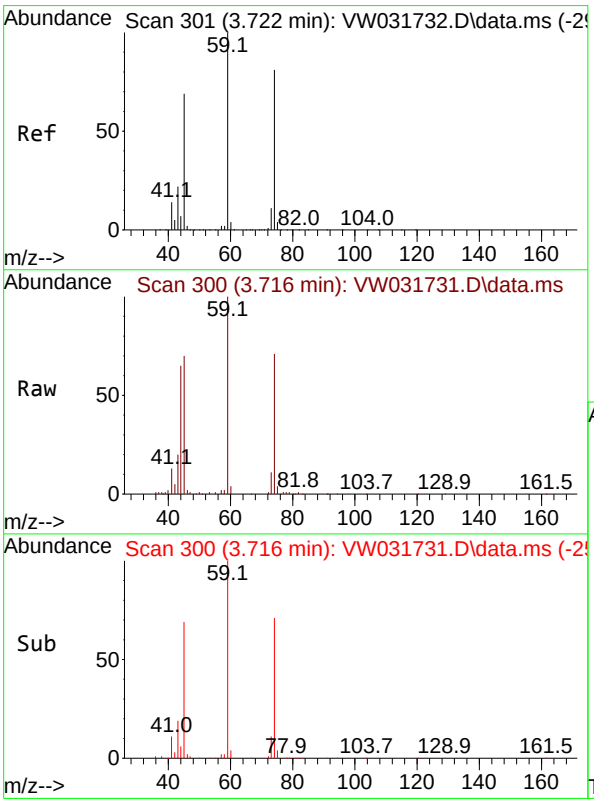
Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.2	75.4

Instrument :
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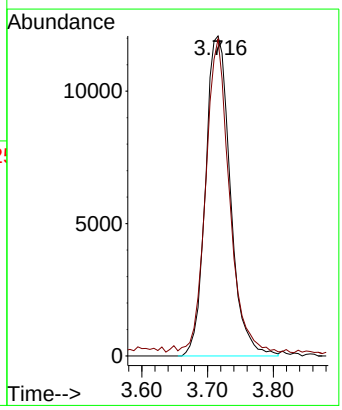


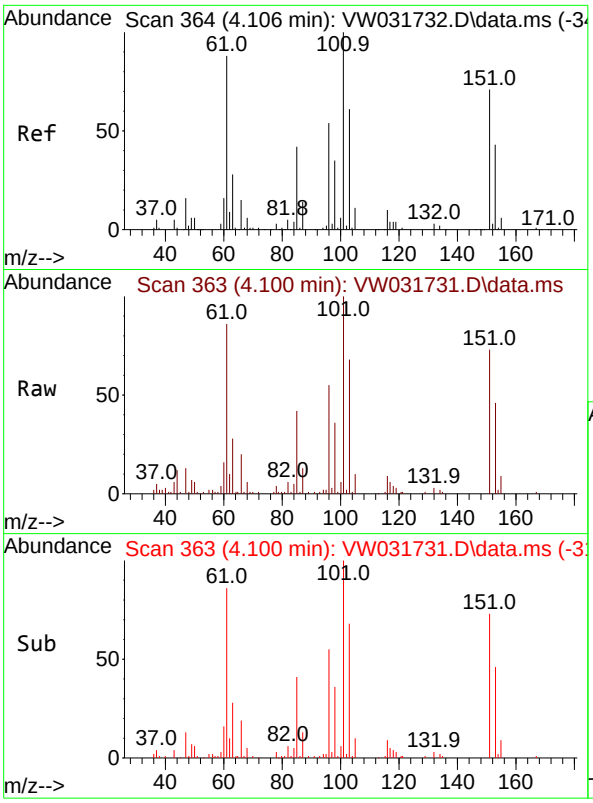


#8
Diethyl Ether
Concen: 20.589 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 74 Resp: 31642

Ion	Ratio	Lower	Upper
74	100		
45	92.6	43.9	131.7

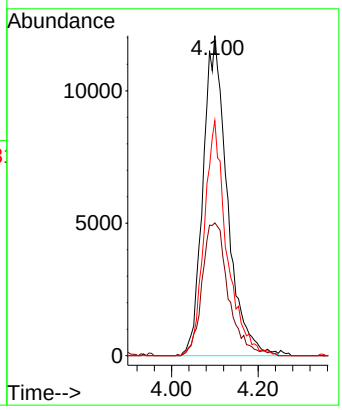




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.923 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:101 Resp: 4697

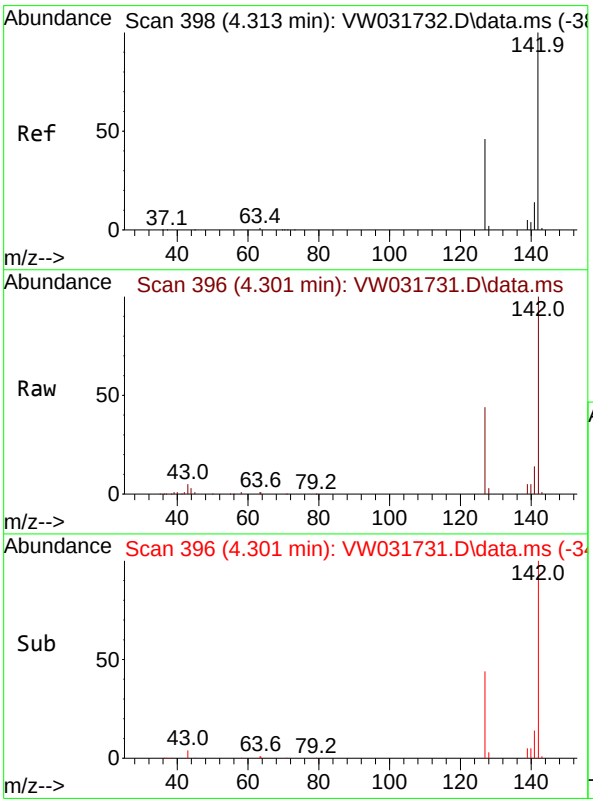
Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.6	53.4
151	68.6	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

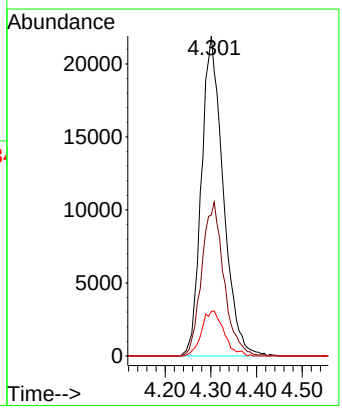
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

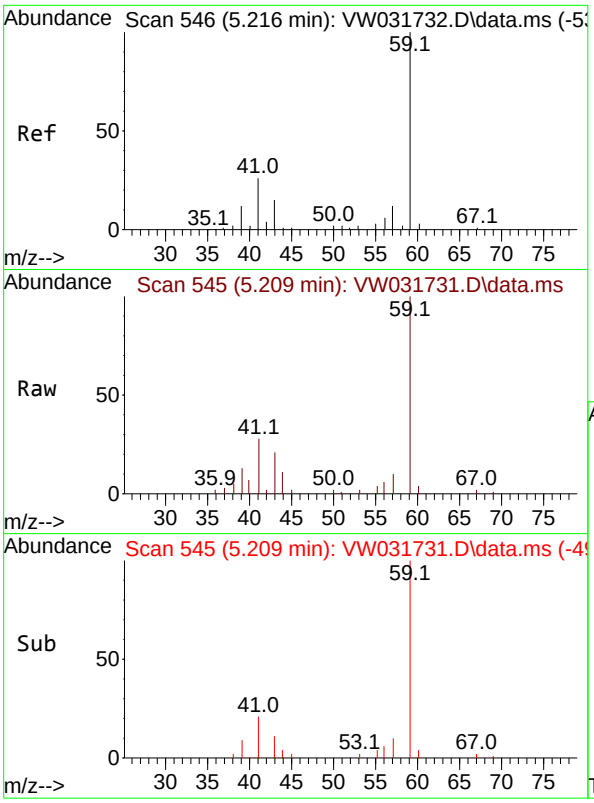


#10
Methyl Iodide
Concen: 20.981 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:142 Resp: 72612

Ion	Ratio	Lower	Upper
142	100		
127	48.7	37.9	56.9
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 95.135 ug/l
RT: 5.209 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

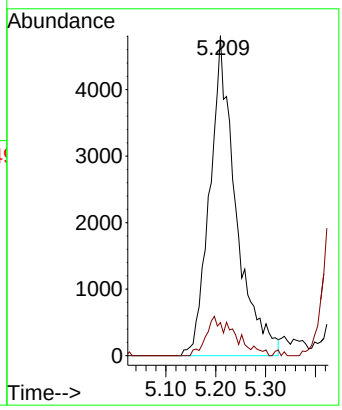
Tgt Ion: 59 Resp: 1745

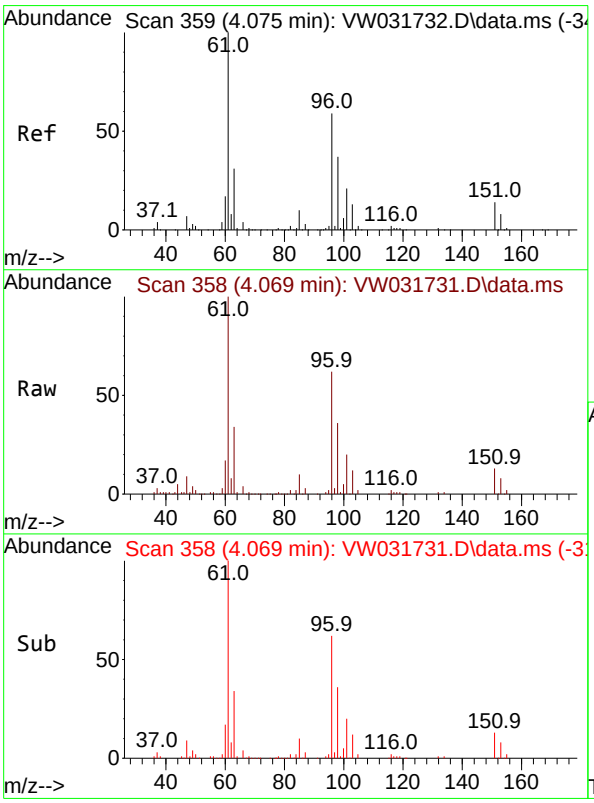
Ion	Ratio	Lower	Upper
59	100		
57	7.3	9.5	14.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

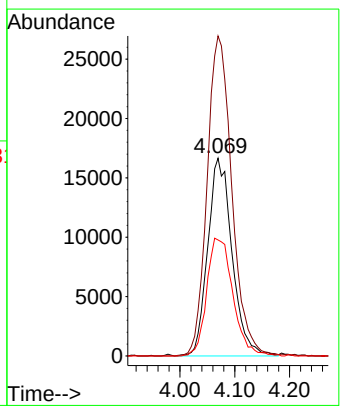


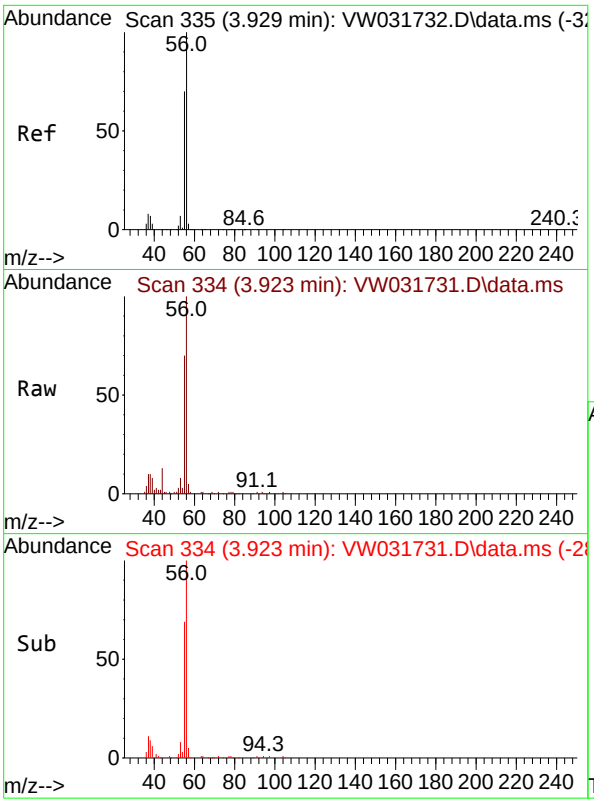


#12
1,1-Dichloroethene
Concen: 20.880 ug/l
RT: 4.069 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 96 Resp: 51343

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.8	203.8
98	58.7	50.4	75.6

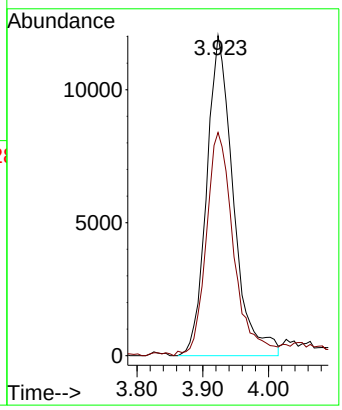




#13
Acrolein
Concen: 102.894 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 56 Resp: 3393

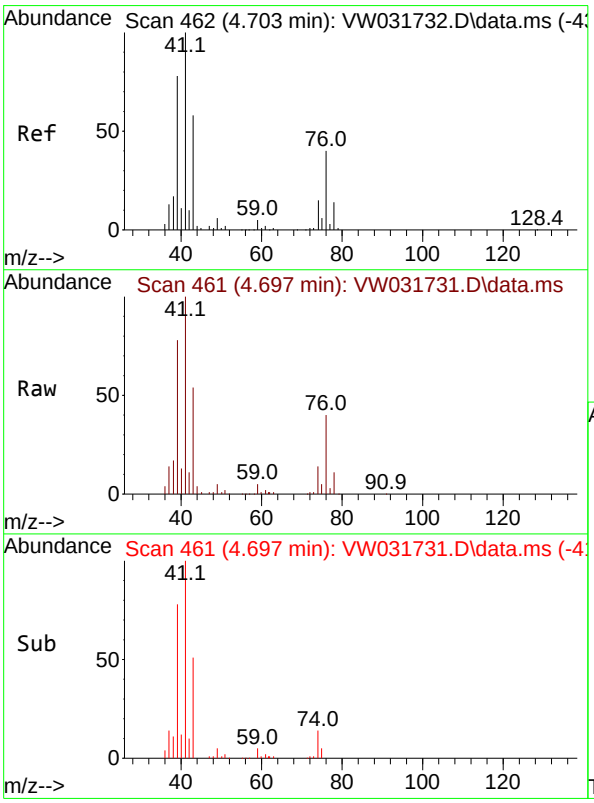
Ion	Ratio	Lower	Upper
56	100		
55	71.7	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

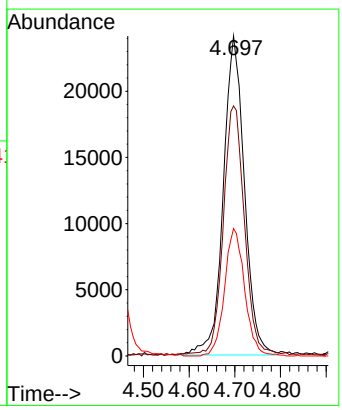
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

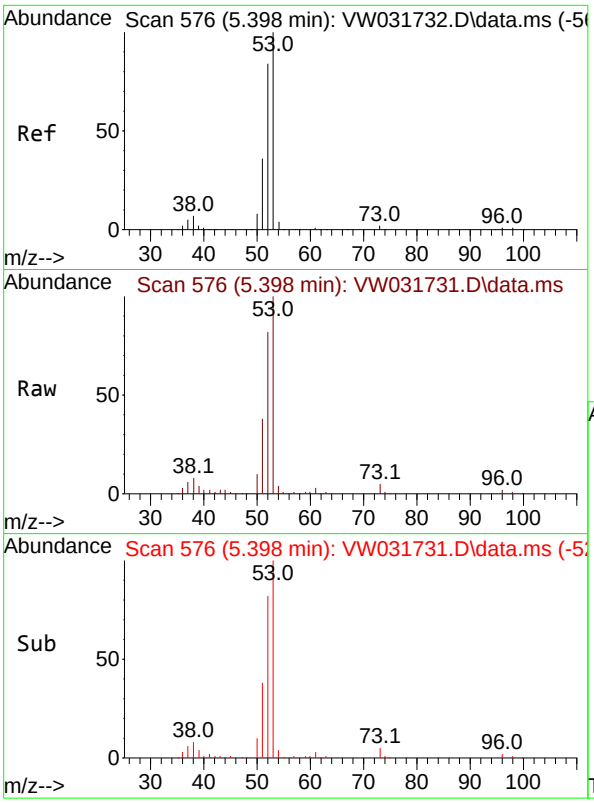


#14
Allyl chloride
Concen: 20.522 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 77423

Ion	Ratio	Lower	Upper
41	100		
39	77.6	60.7	91.1
76	38.1	30.3	45.5

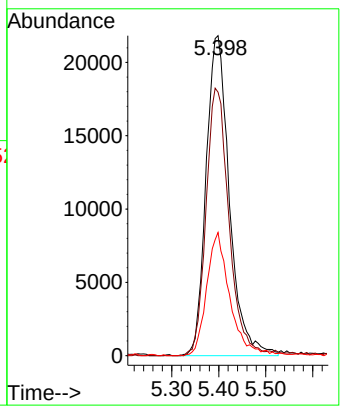




#15
Acrylonitrile
Concen: 99.411 ug/l
RT: 5.398 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 53 Resp: 7513

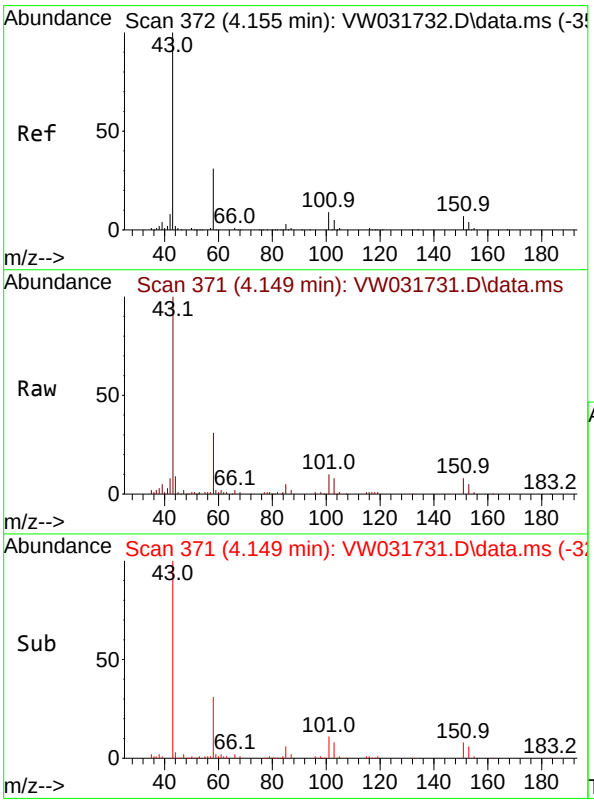
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	38.5	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

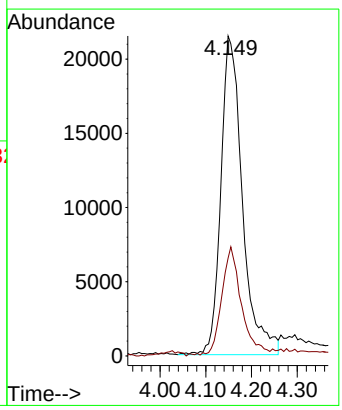
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

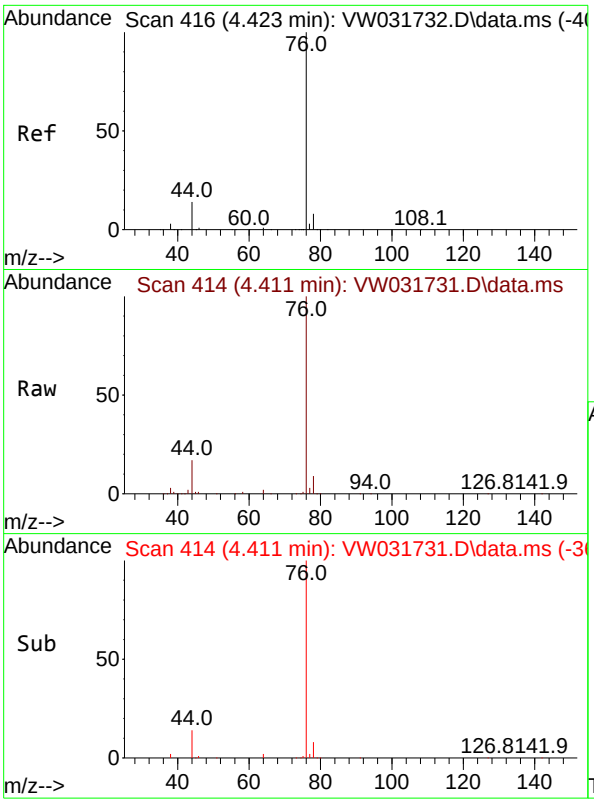


#16
Acetone
Concen: 95.875 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 70616

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.8	37.2

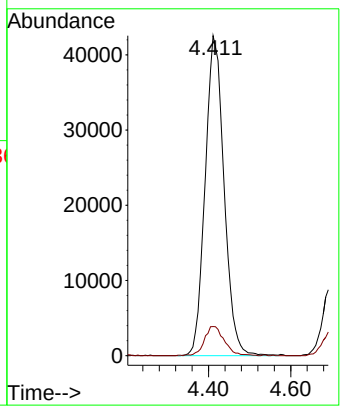




#17
Carbon Disulfide
Concen: 20.656 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 76 Resp: 13591

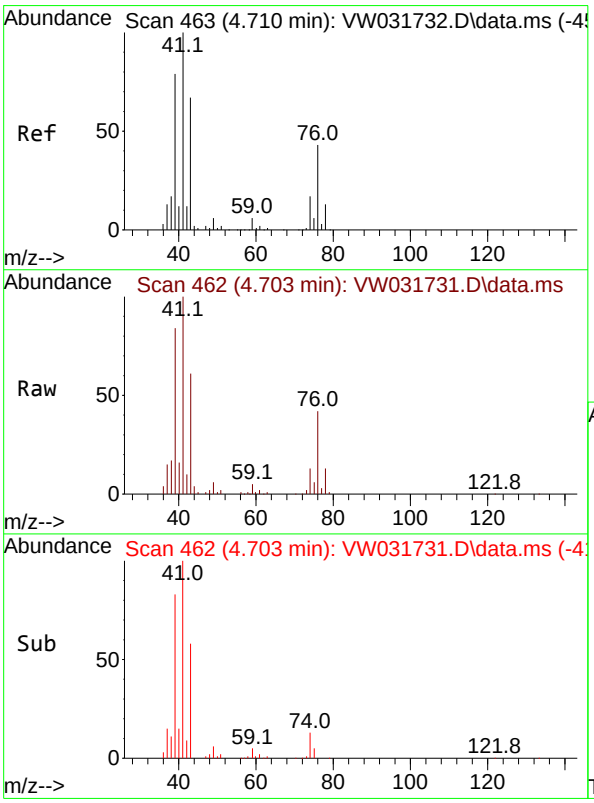
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

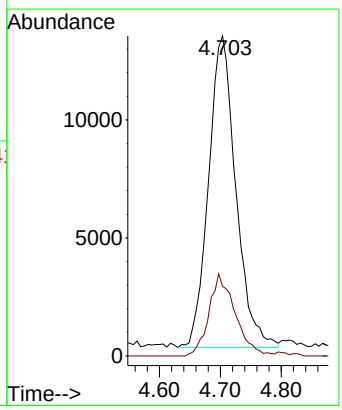
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

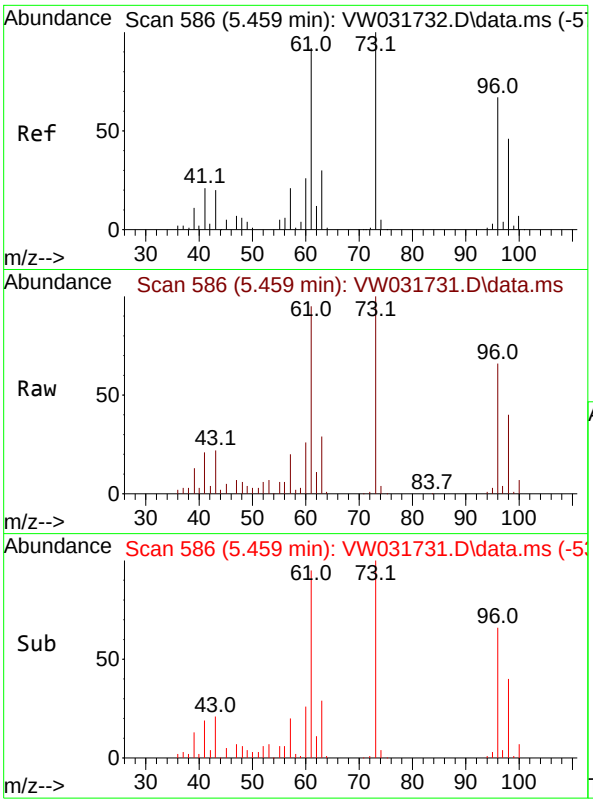


#18
Methyl Acetate
Concen: 19.649 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 41106

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.6	30.8

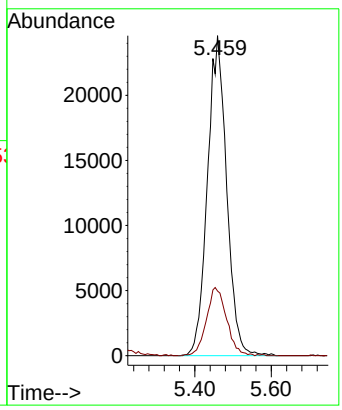




#19
Methyl tert-butyl Ether
Concen: 20.535 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 73 Resp: 8570

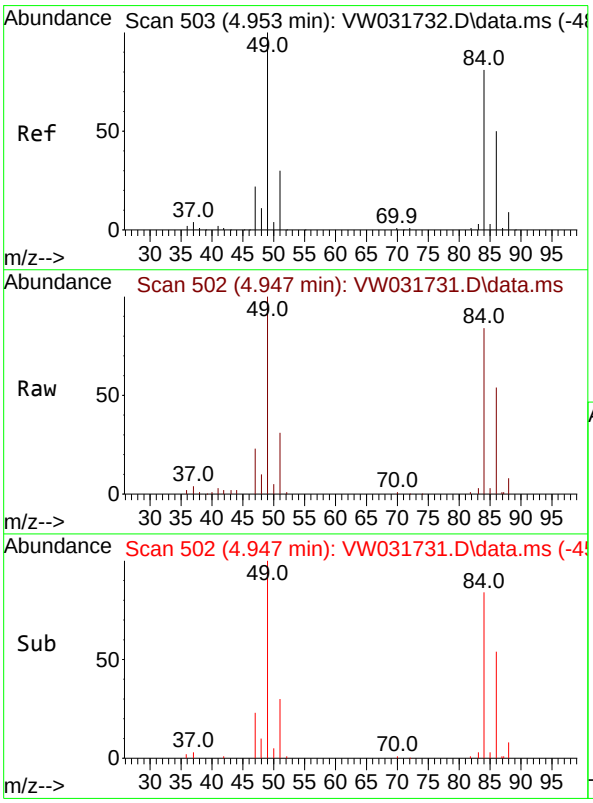
Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

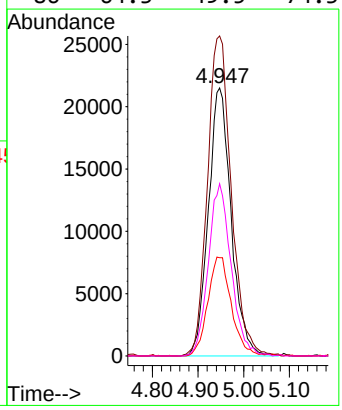
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

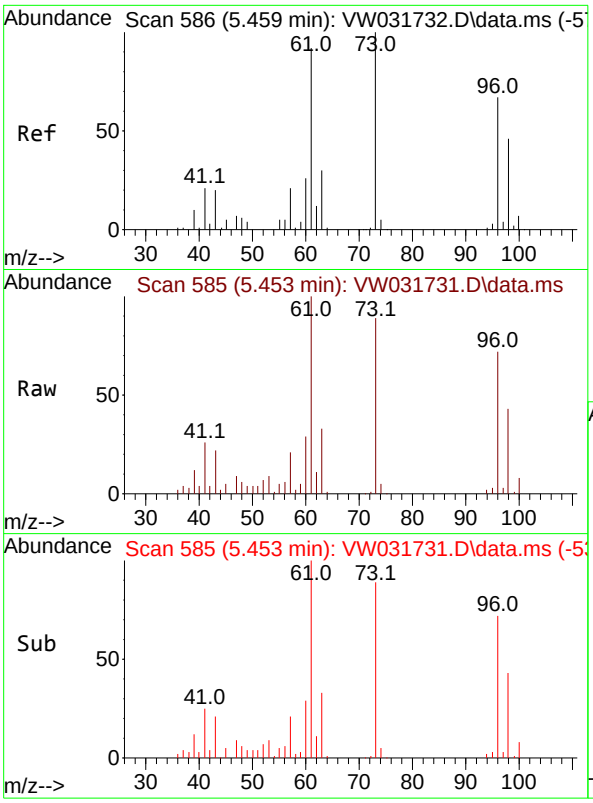


#20
Methylene Chloride
Concen: 22.889 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 84 Resp: 74694

Ion	Ratio	Lower	Upper
84	100		
49	119.4	98.2	147.4
51	36.6	29.8	44.8
86	64.3	49.5	74.3

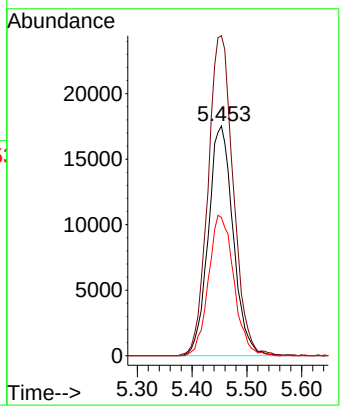




#21
trans-1,2-Dichloroethene
Concen: 21.078 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 96 Resp: 5507

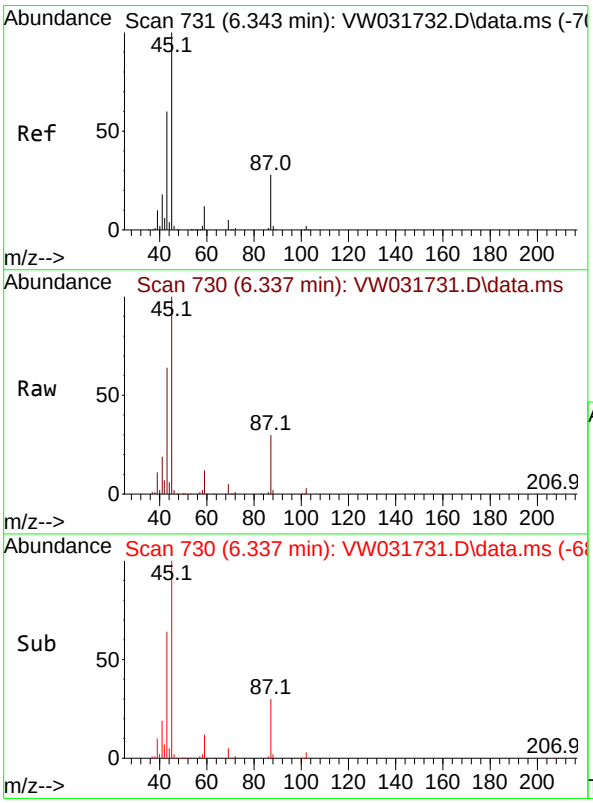
Ion	Ratio	Lower	Upper
96	100		
61	139.3	109.8	164.6
98	60.2	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

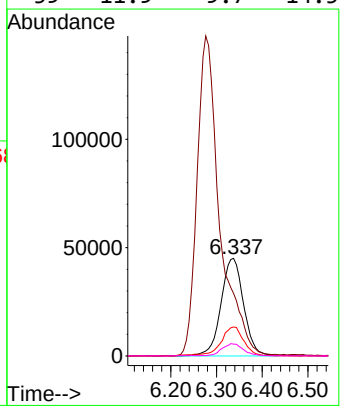
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

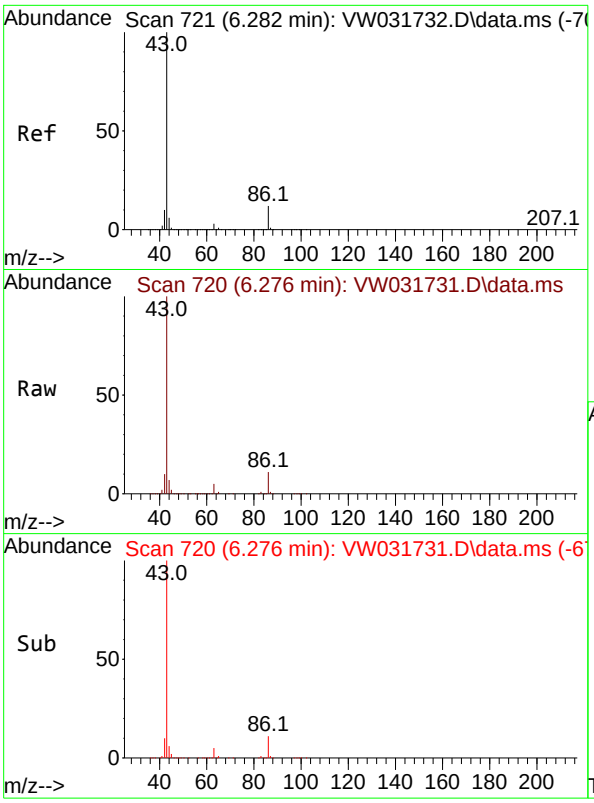


#22
Diisopropyl ether
Concen: 20.997 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 45 Resp: 154496

Ion	Ratio	Lower	Upper
45	100		
43	63.5	48.3	72.5
87	29.5	22.6	34.0
59	11.9	9.7	14.5

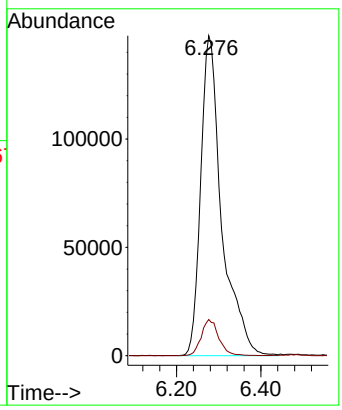




#23
Vinyl Acetate
Concen: 101.822 ug/l
RT: 6.276 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 51174

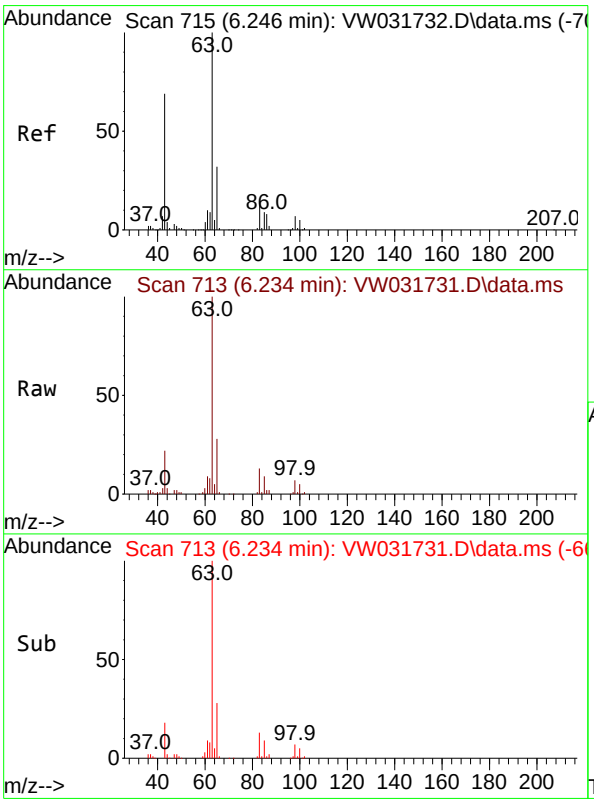
Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

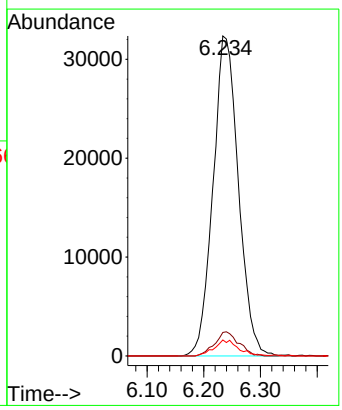
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

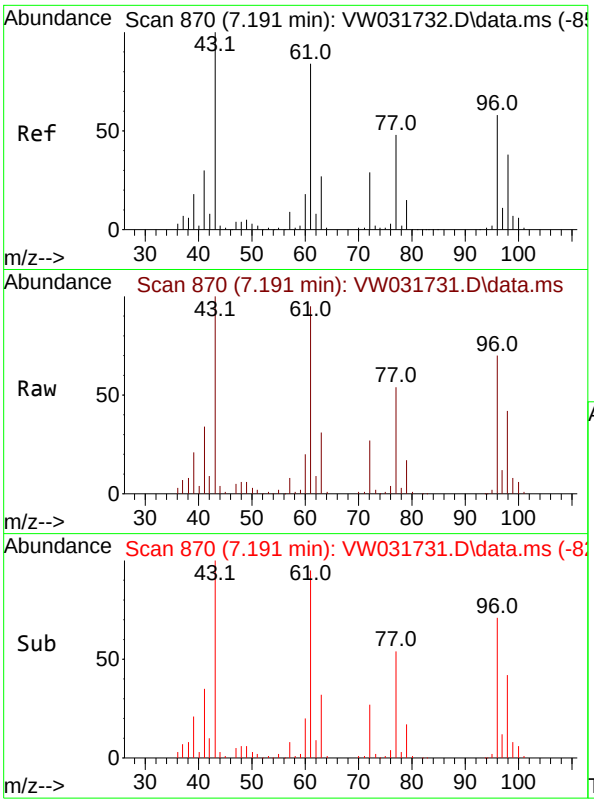


#24
1,1-Dichloroethane
Concen: 21.090 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 100608

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	5.0	2.5	7.5

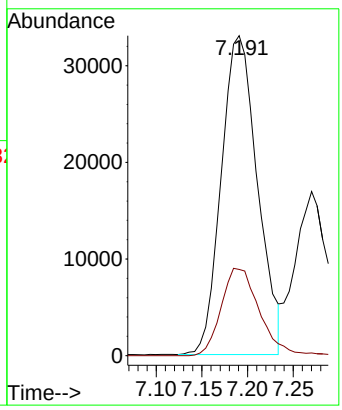




#25
2-Butanone
Concen: 95.657 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 9109

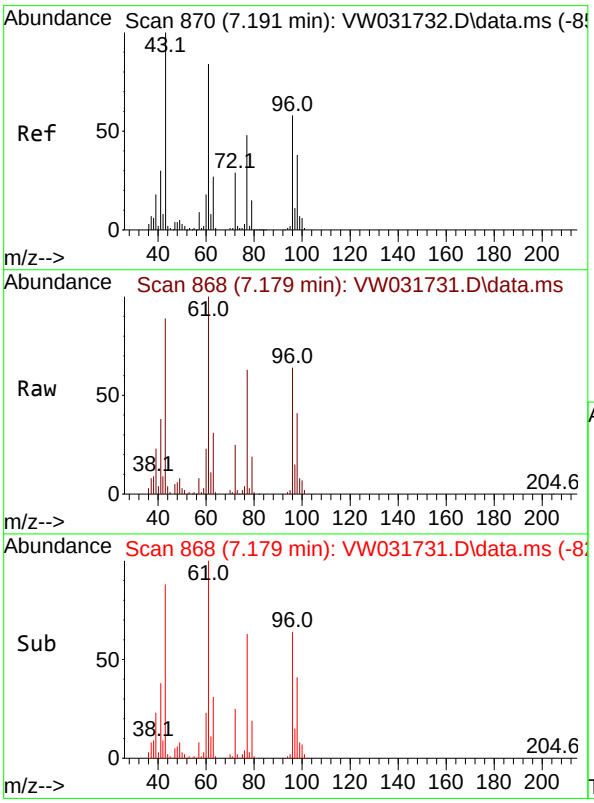
Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

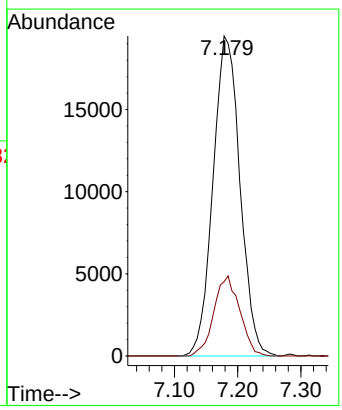
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

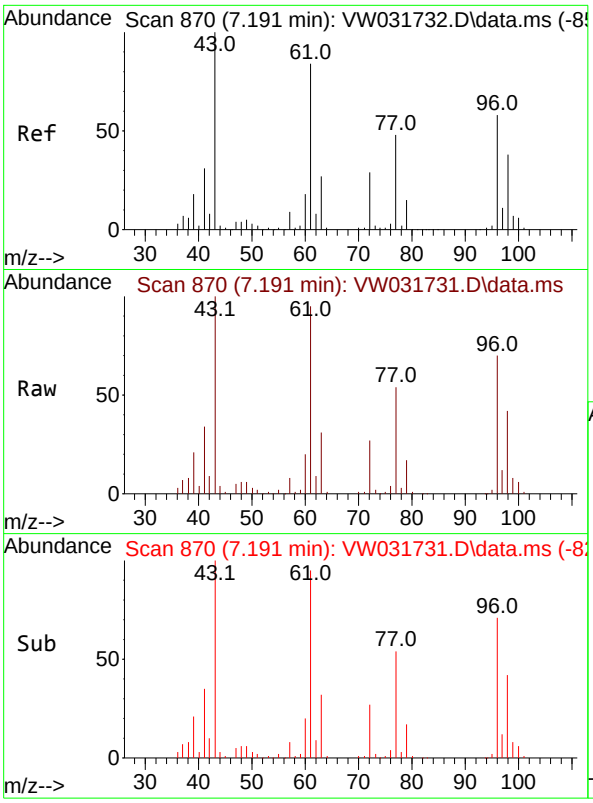


#26
2,2-Dichloropropane
Concen: 20.695 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 77 Resp: 57600

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.7

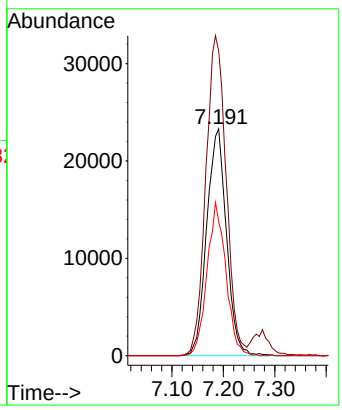




#27
cis-1,2-Dichloroethene
Concen: 20.725 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 96 Resp: 6224

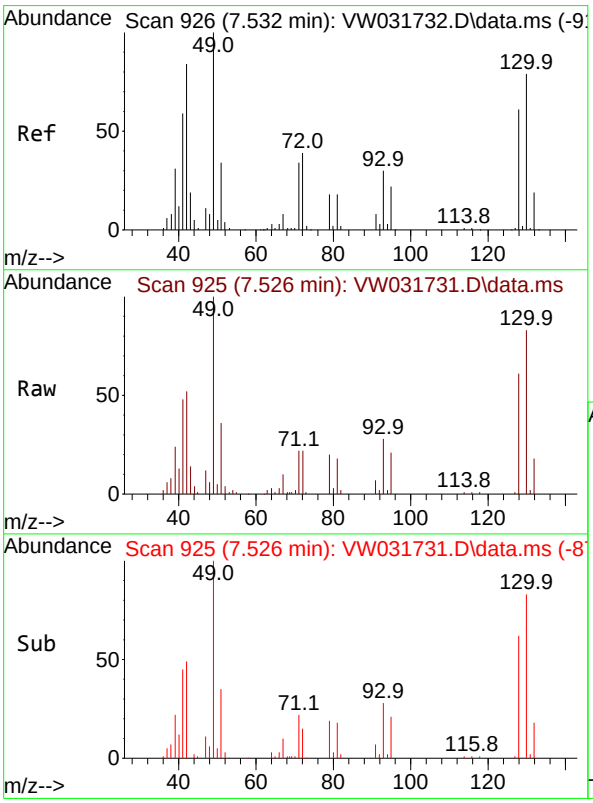
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	286.8
98	64.4	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

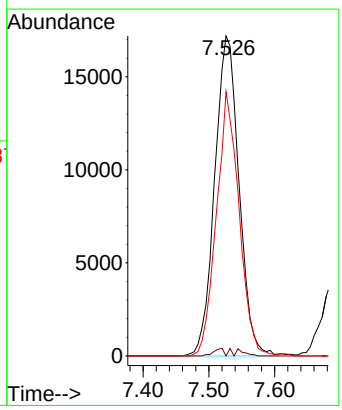
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

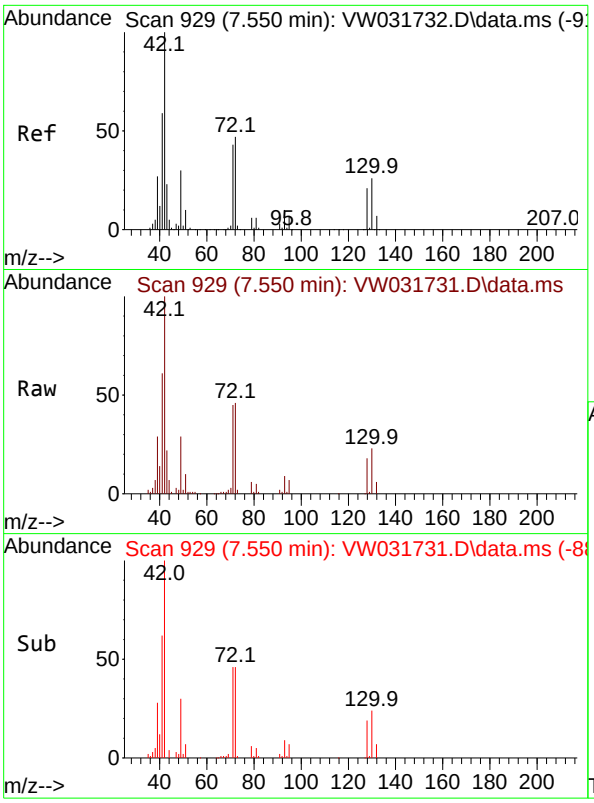


#28
Bromochloromethane
Concen: 20.988 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 49 Resp: 44182

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.4
130	76.9	61.3	91.9

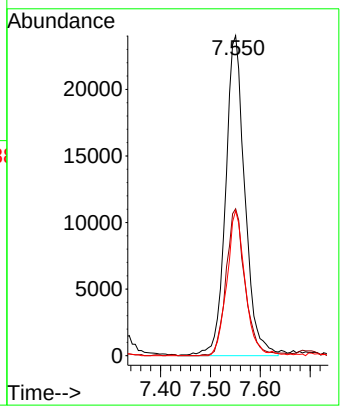




#29
Tetrahydrofuran
Concen: 98.896 ug/l
RT: 7.550 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 42 Resp: 6449

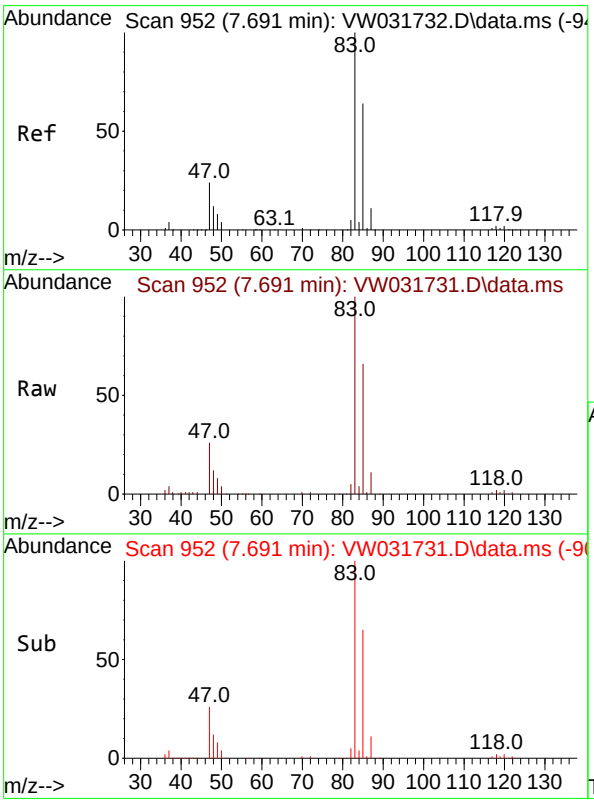
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.8	55.2
71	42.4	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

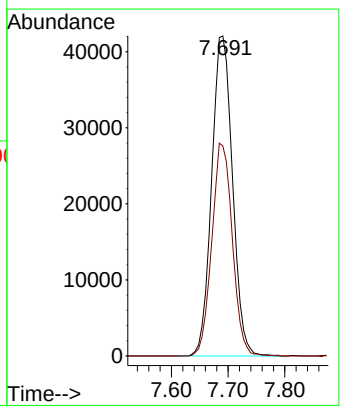
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

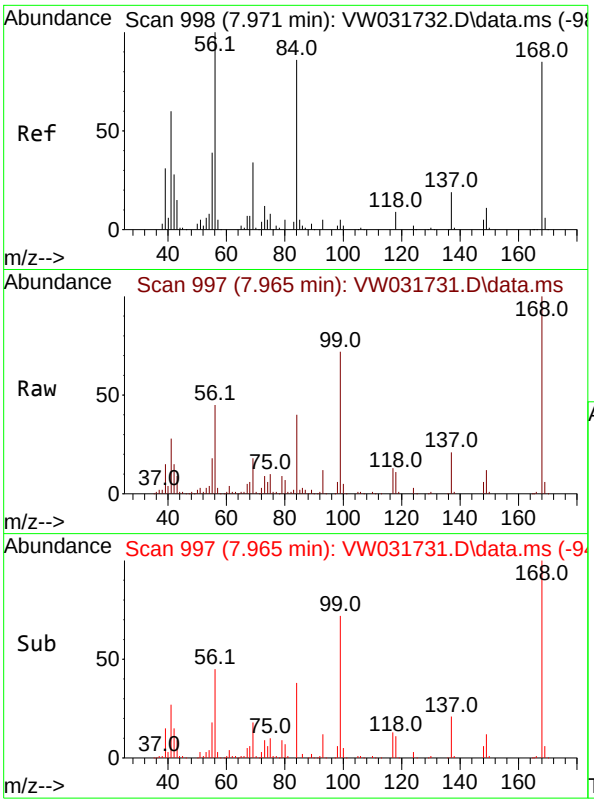


#30
Chloroform
Concen: 21.148 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 107197

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0

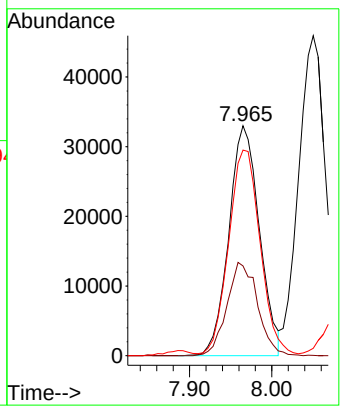




#31
Cyclohexane
Concen: 20.213 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 56 Resp: 8523

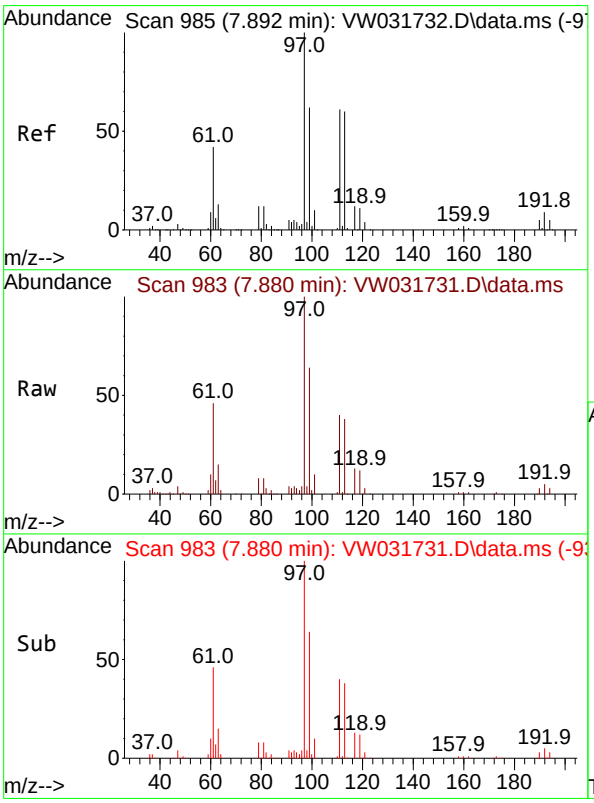
Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.2	40.8
84	87.2	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

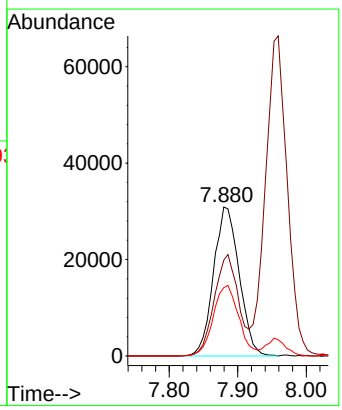
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

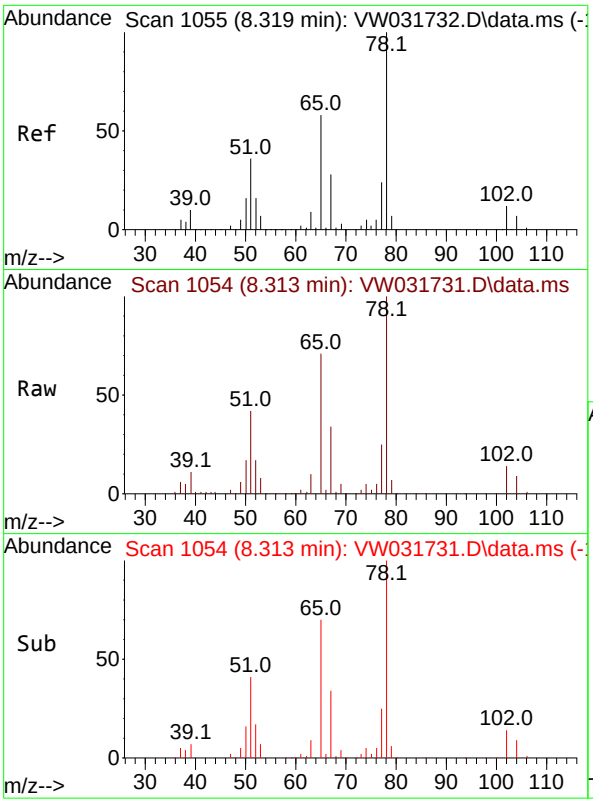


#32
1,1,1-Trichloroethane
Concen: 20.509 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 97 Resp: 80117

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	47.2	36.0	54.0

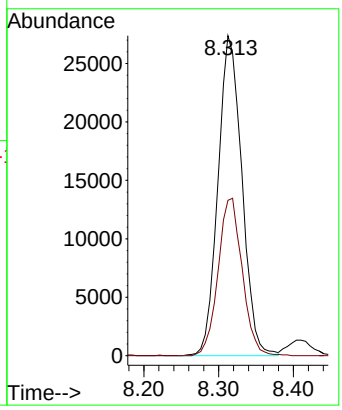




#33
1,2-Dichloroethane-d4
Concen: 20.609 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 65 Resp: 6103

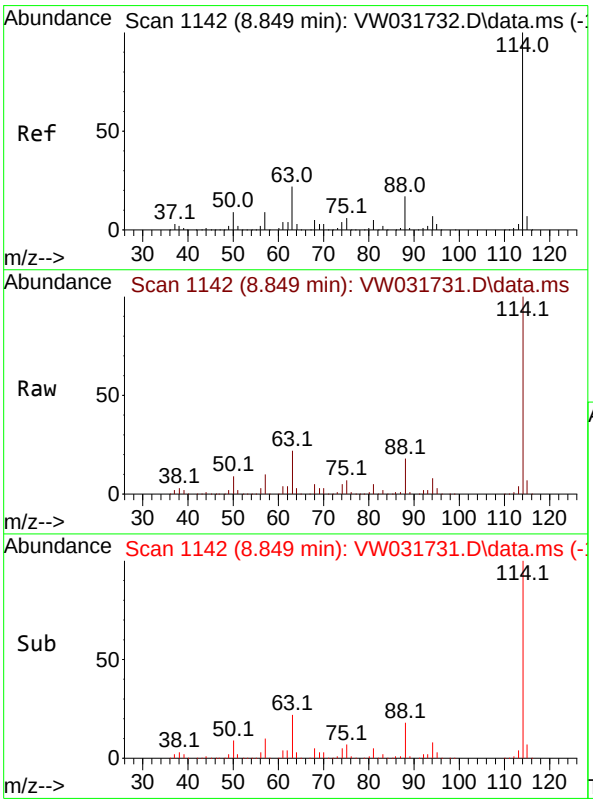
Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

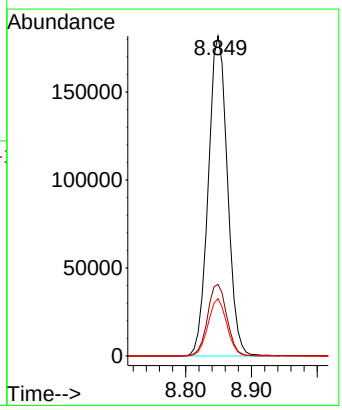
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

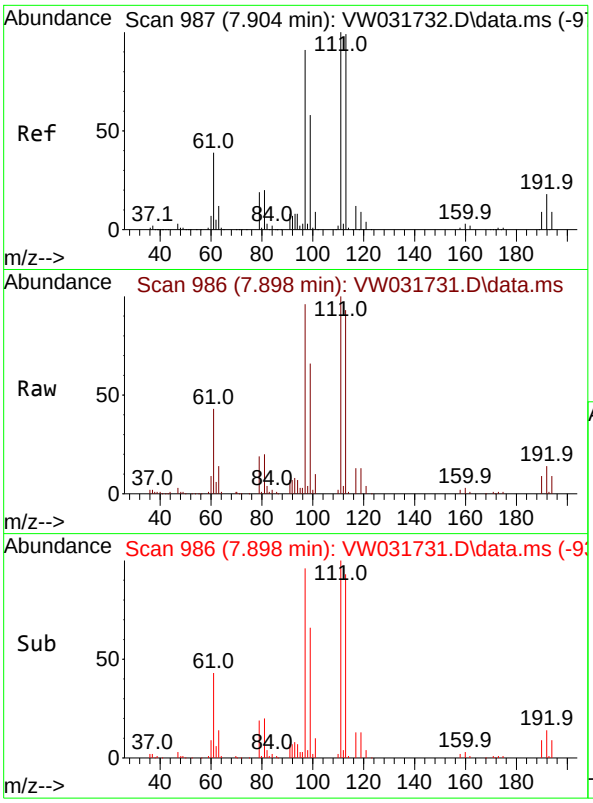


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:114 Resp: 368808

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.6
88	17.9	0.0	34.2

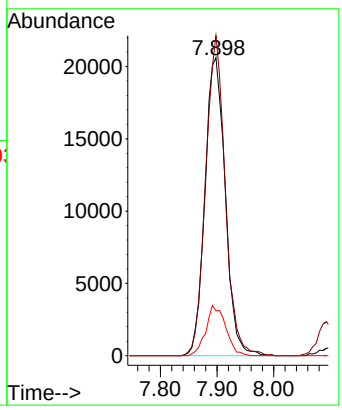




#35
Dibromofluoromethane
Concen: 21.346 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:113 Resp: 5137

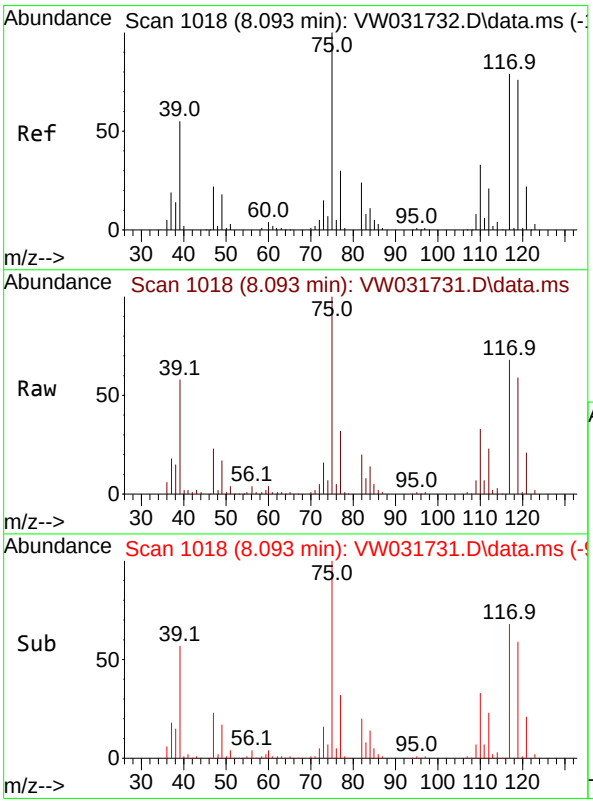
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	16.5	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

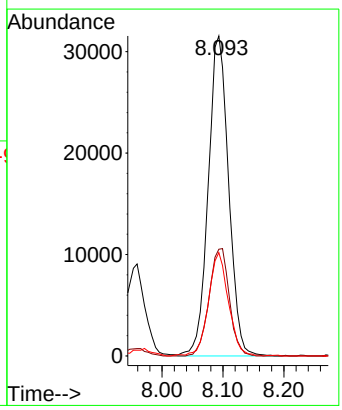
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

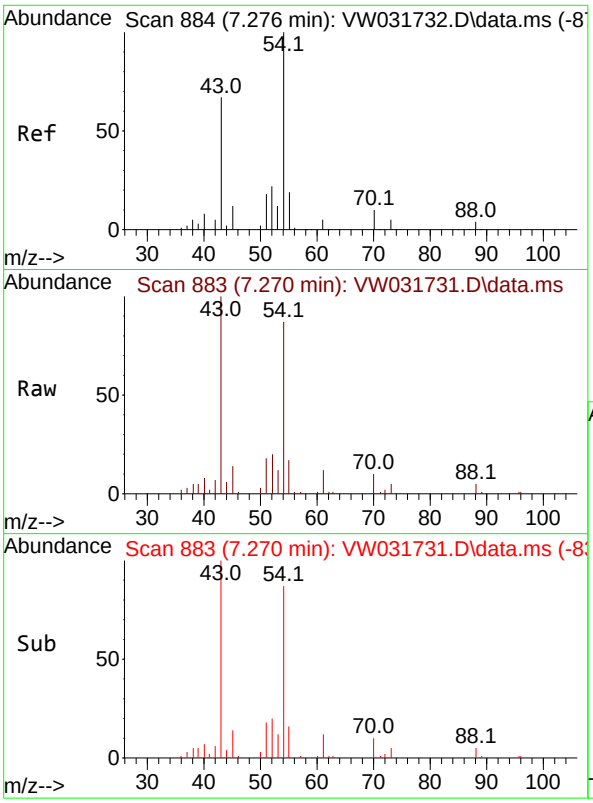


#36
1,1-Dichloropropene
Concen: 21.061 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 73346

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.6	25.0	37.6





#37
Ethyl Acetate
Concen: 20.512 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

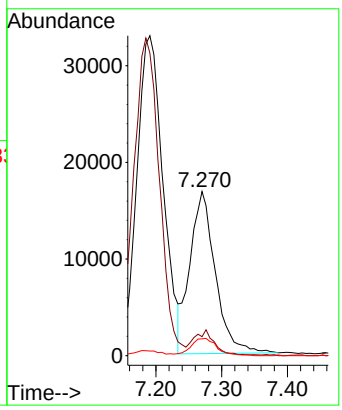
Tgt Ion: 43 Resp: 4506

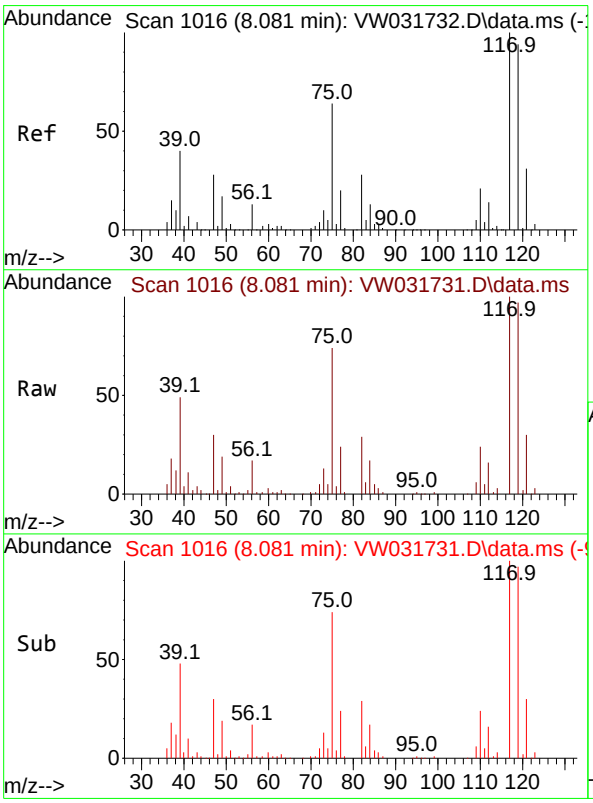
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	10.9	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

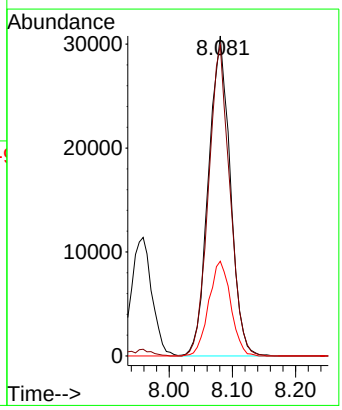


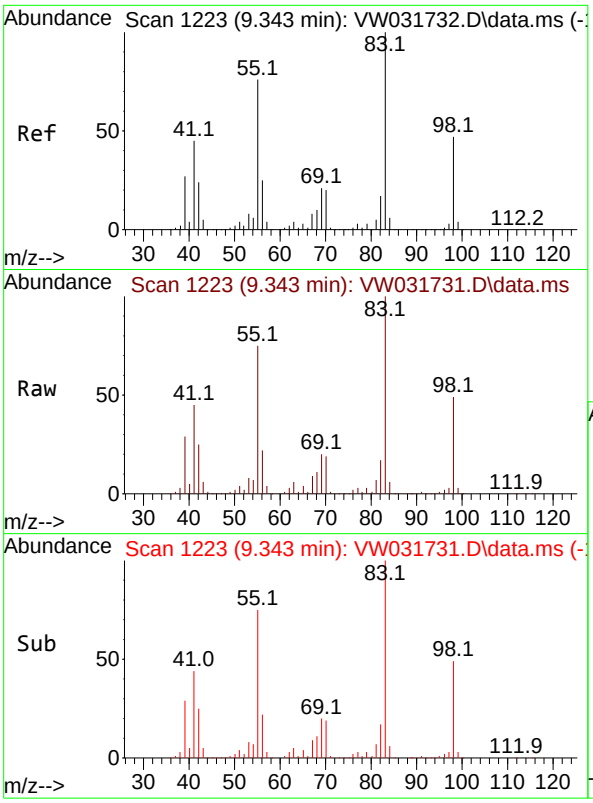


#38
Carbon Tetrachloride
Concen: 20.706 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:117 Resp: 73482

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.0	112.6
121	29.6	24.6	37.0

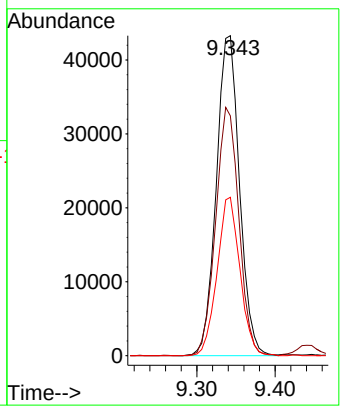




#39
Methylcyclohexane
Concen: 20.560 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 8908

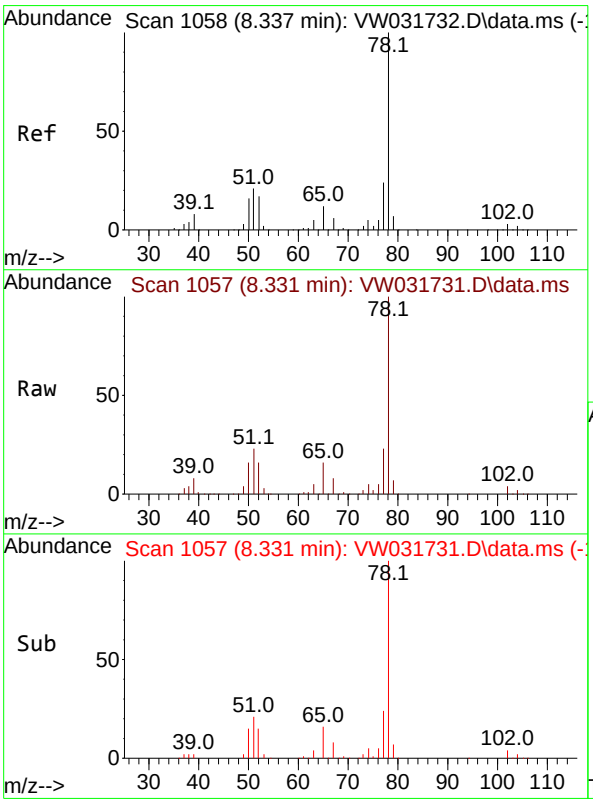
Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	49.5	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
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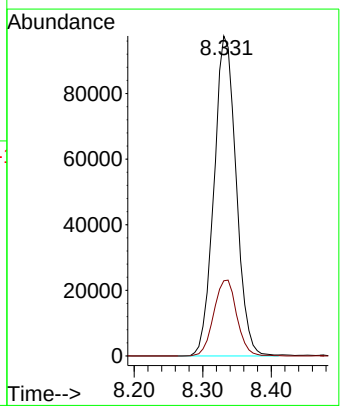
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

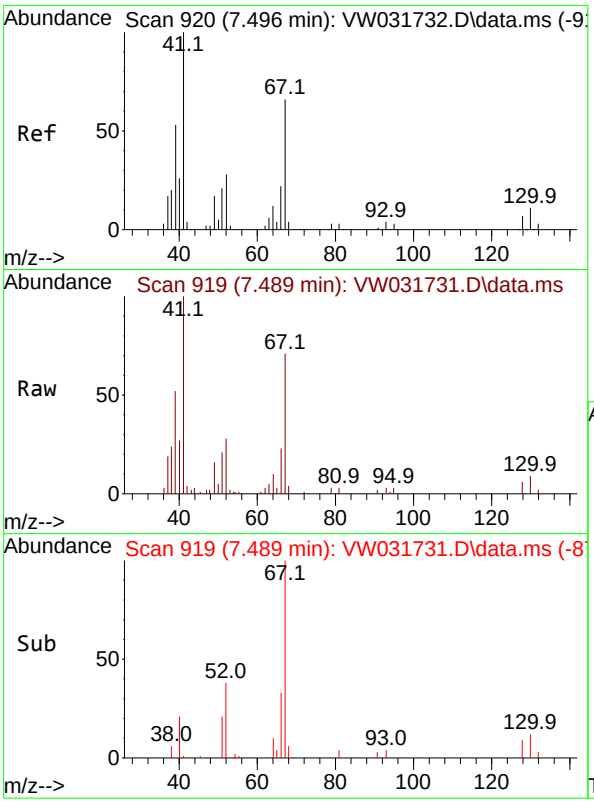


#40
Benzene
Concen: 21.231 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 78 Resp: 218756

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8

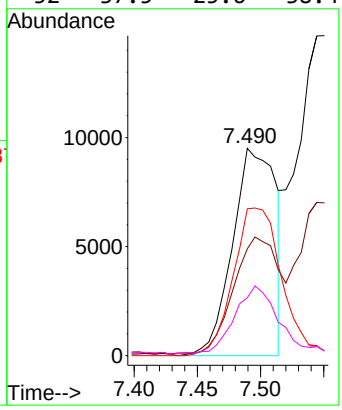




#41
Methacrylonitrile
Concen: 19.154 ug/l
RT: 7.489 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 2254

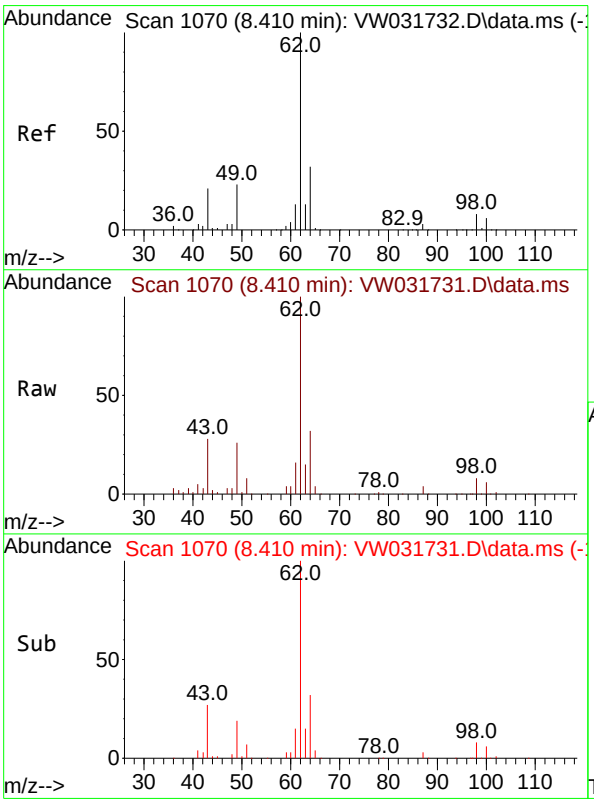
Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.2	64.8
67	80.5	58.1	87.1
52	37.5	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

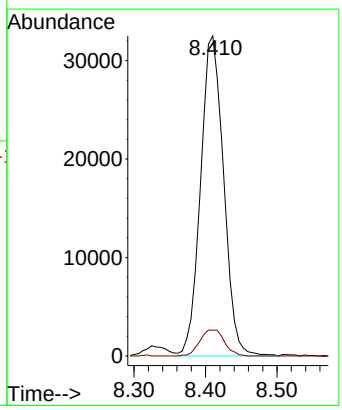
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

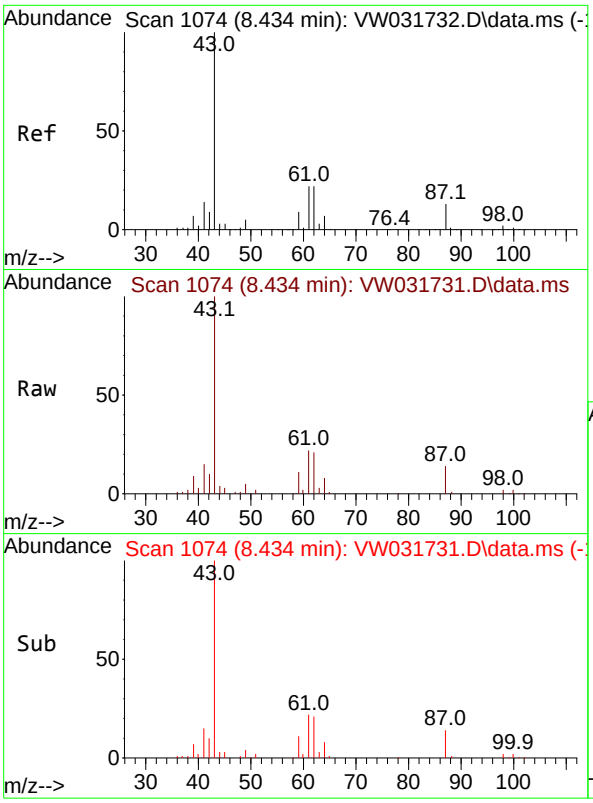


#42
1,2-Dichloroethane
Concen: 20.910 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 72797

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43
Isopropyl Acetate
Concen: 20.101 ug/l
RT: 8.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

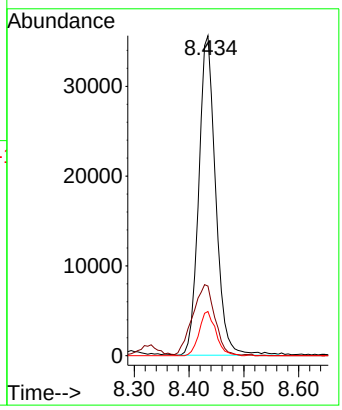
Tgt Ion: 43 Resp: 7611

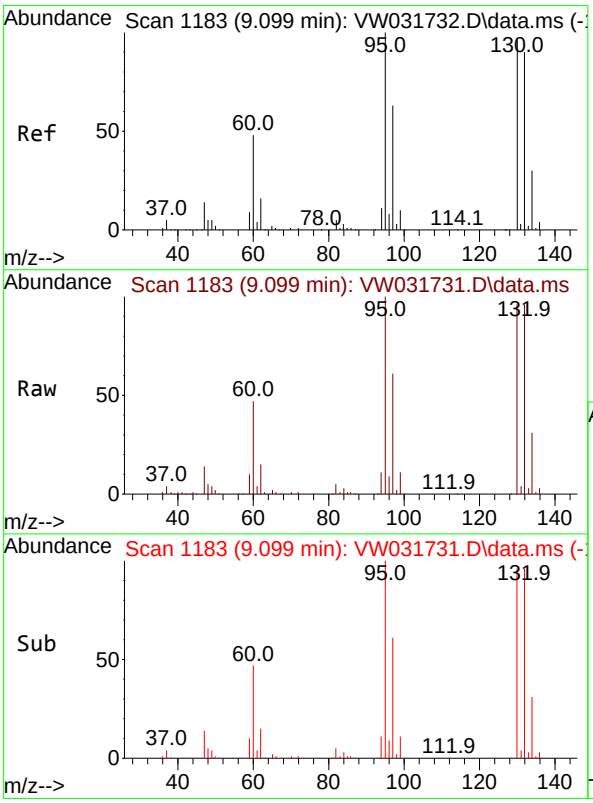
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.7	10.8	16.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

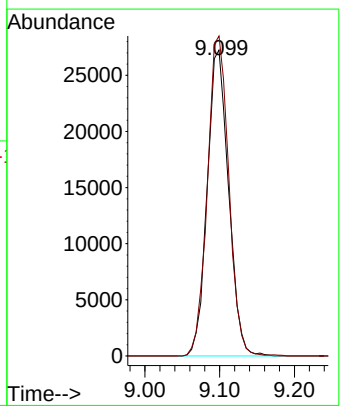


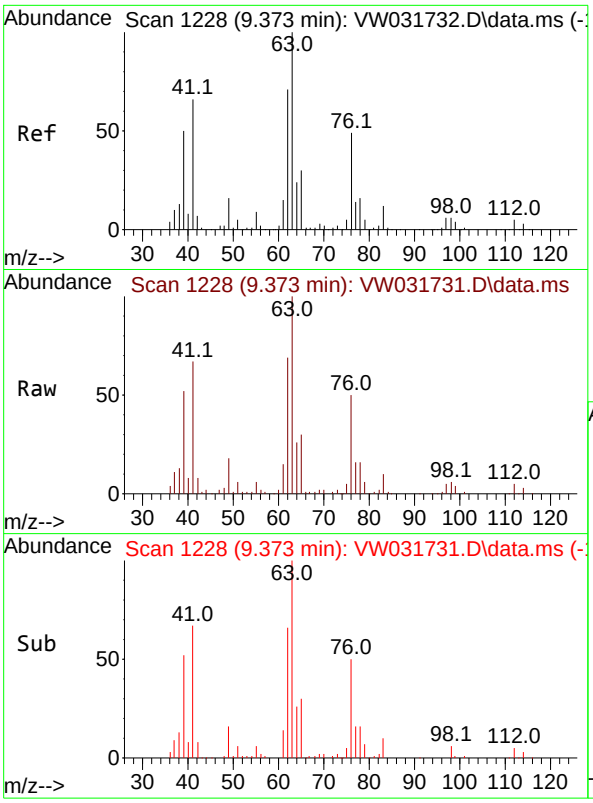


#44
Trichloroethene
Concen: 21.074 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:130 Resp: 54194

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	208.6

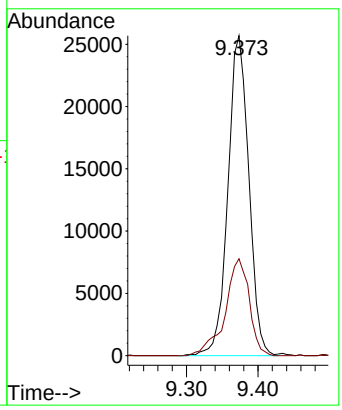




#45
1,2-Dichloropropane
Concen: 20.939 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 5214

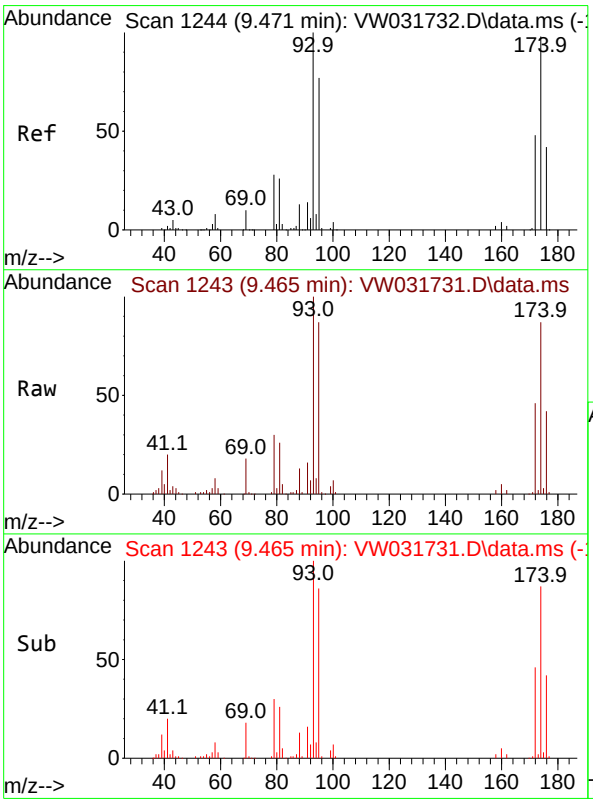
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

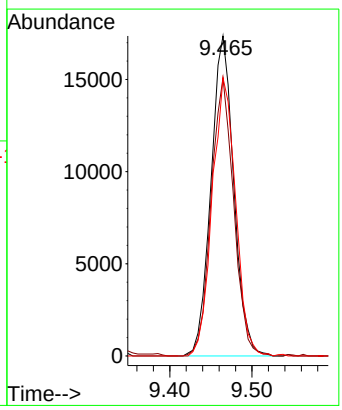
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

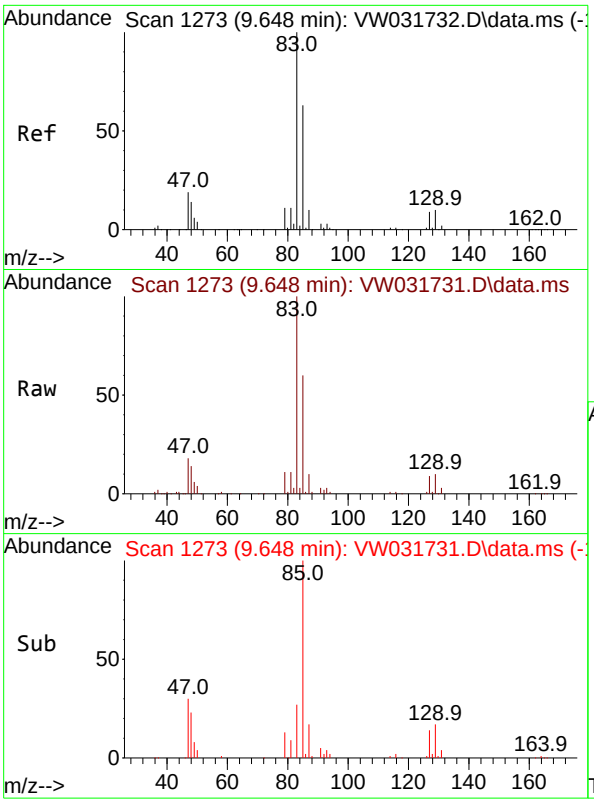


#46
Dibromomethane
Concen: 20.817 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 93 Resp: 33467

Ion	Ratio	Lower	Upper
93	100		
95	86.0	67.0	100.4
174	88.9	71.7	107.5

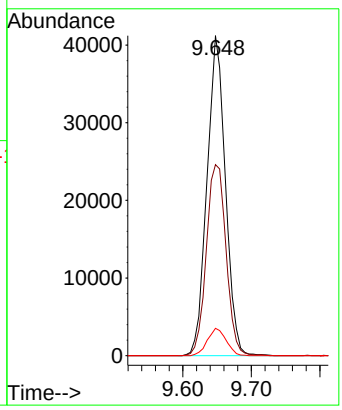




#47
Bromodichloromethane
Concen: 20.490 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 7724

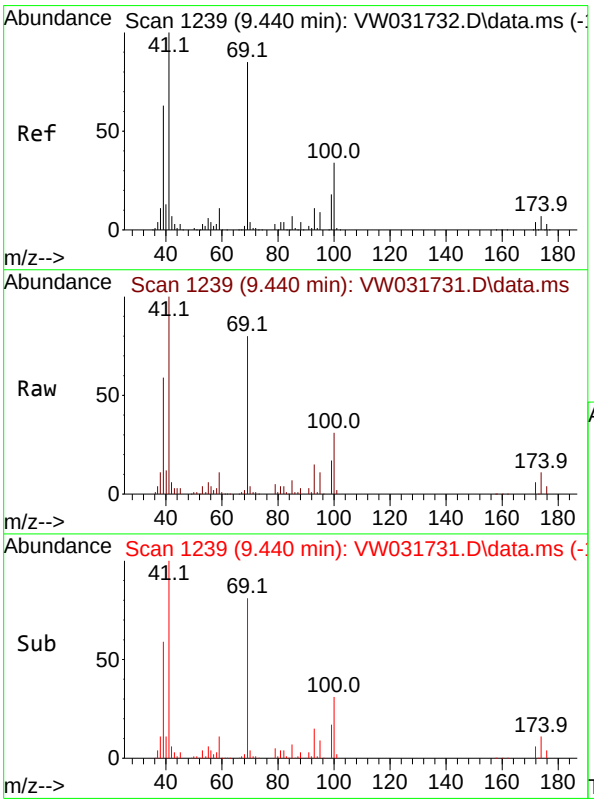
Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.8	76.2
127	8.5	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

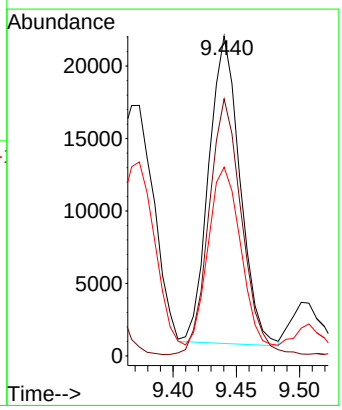
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

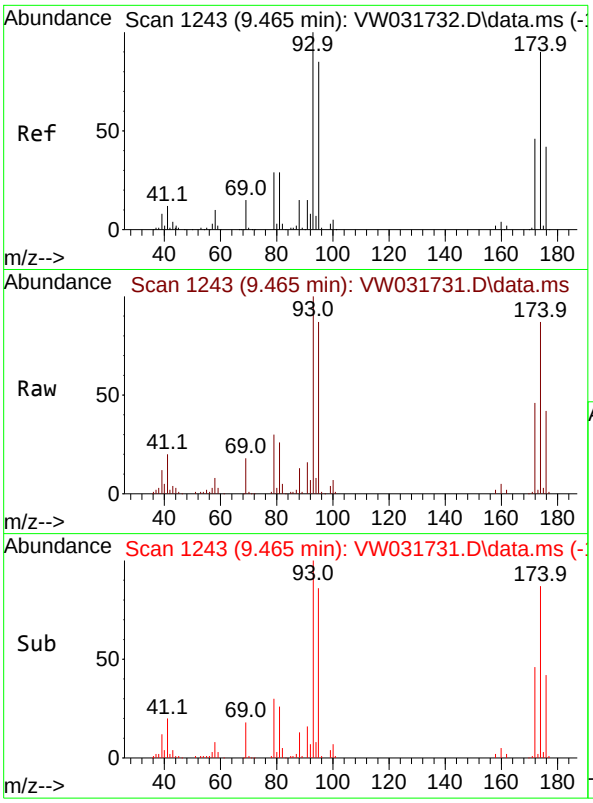


#48
Methyl methacrylate
Concen: 19.484 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 36279

Ion	Ratio	Lower	Upper
41	100		
69	87.9	71.6	107.4
39	60.7	49.5	74.3

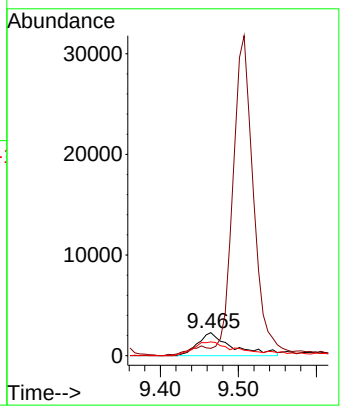




#49
1,4-Dioxane
Concen: 409.751 ug/l m
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 88 Resp: 701

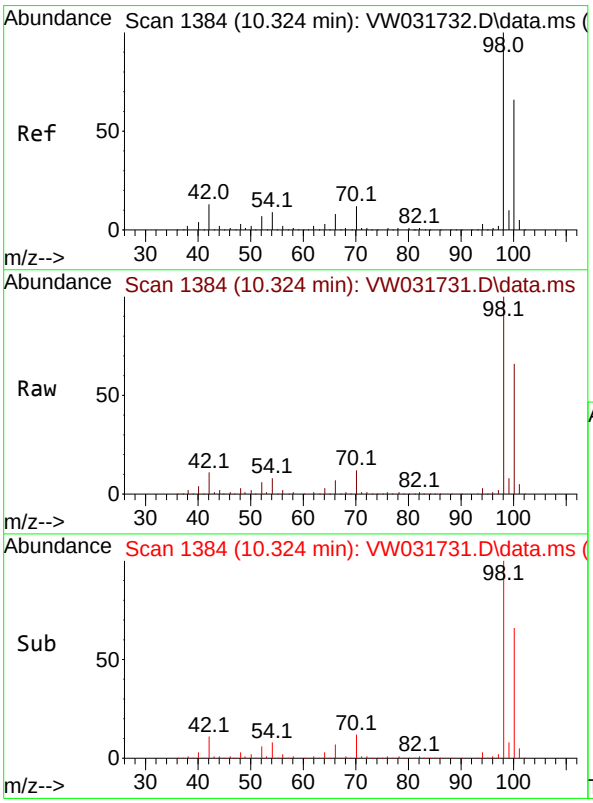
Ion	Ratio	Lower	Upper
88	100		
43	27.5	0.0	0.0#
58	71.5	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

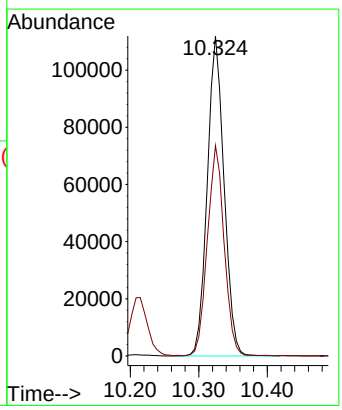
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

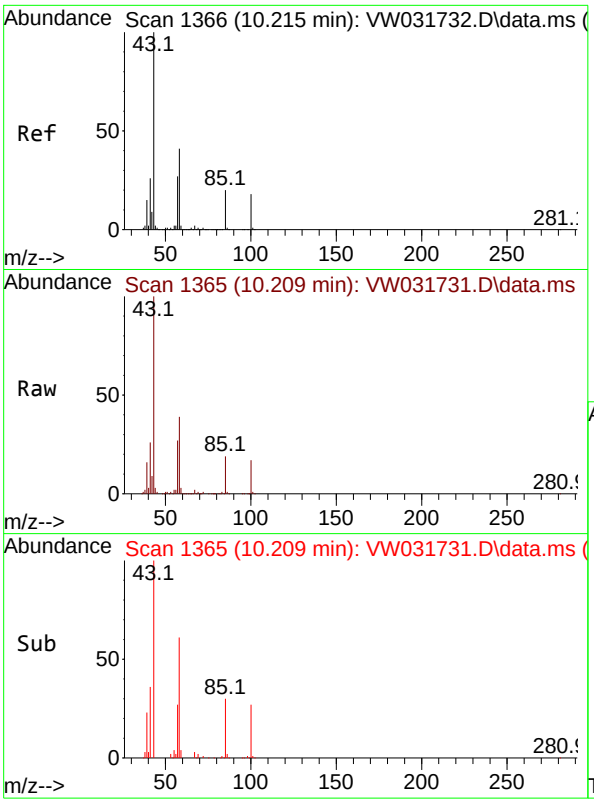


#50
Toluene-d8
Concen: 21.241 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 98 Resp: 190235

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4

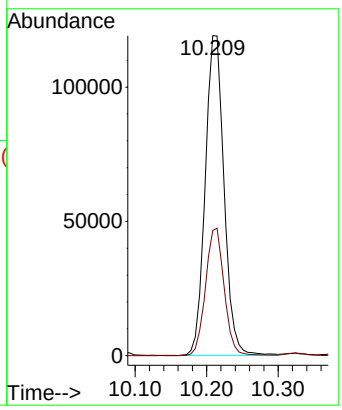




#51
4-Methyl-2-Pentanone
Concen: 100.078 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 21788

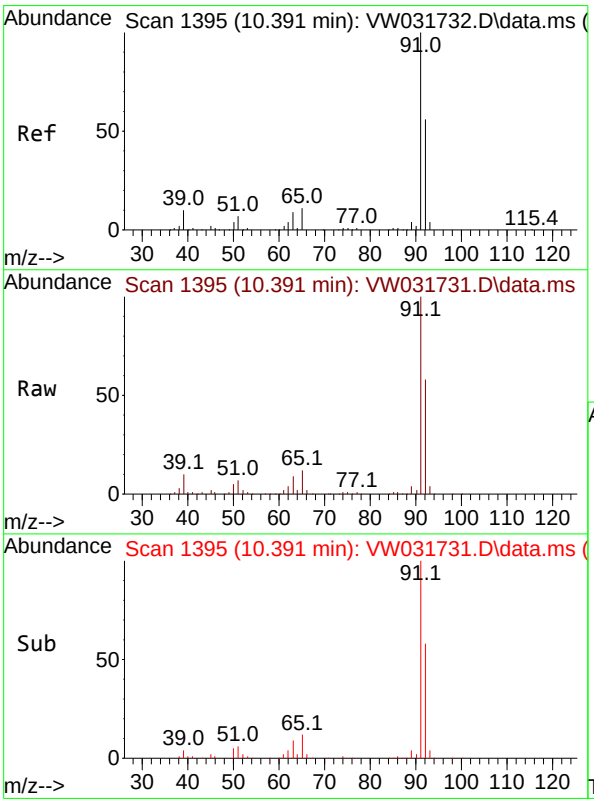
Ion	Ratio	Lower	Upper
43	100		
58	39.5	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

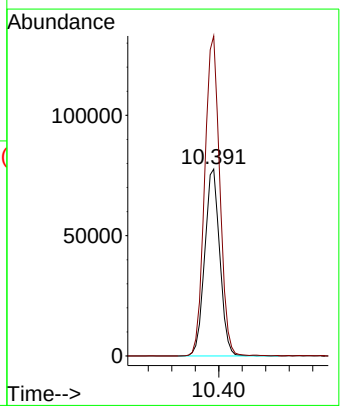
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

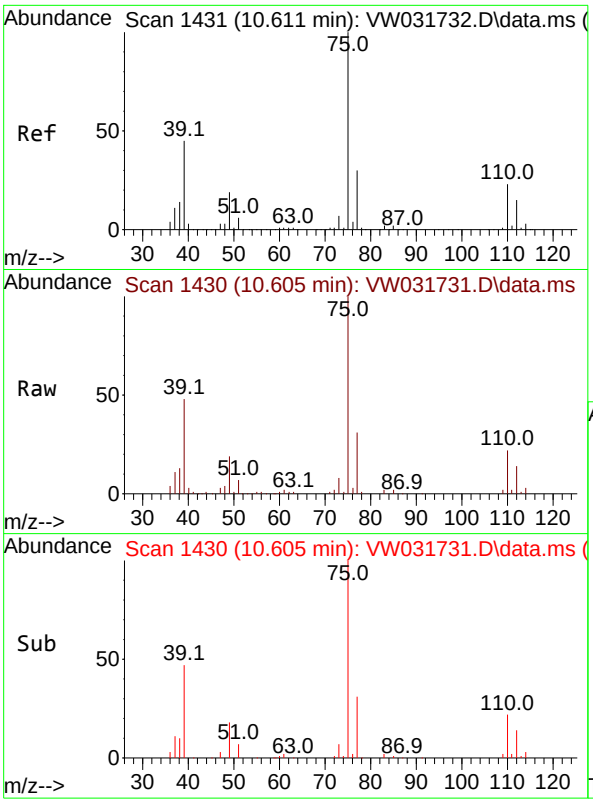


#52
Toluene
Concen: 20.978 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 92 Resp: 138387

Ion	Ratio	Lower	Upper
92	100		
91	171.4	139.5	209.3

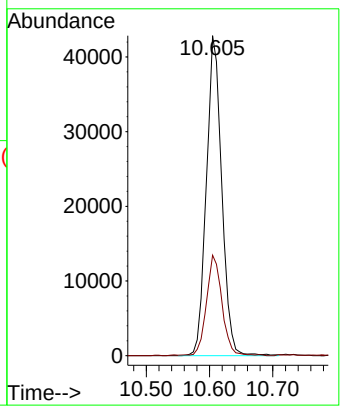




#53
t-1,3-Dichloropropene
Concen: 20.496 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 7249

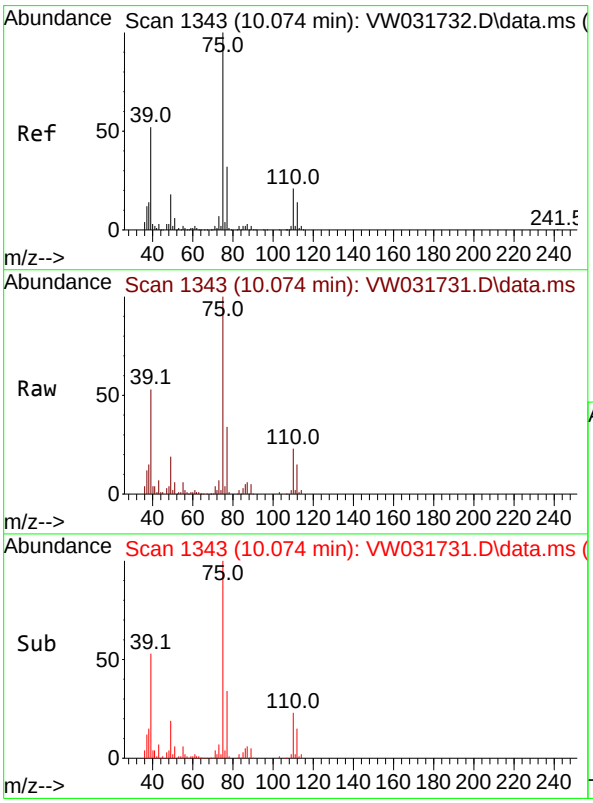
Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

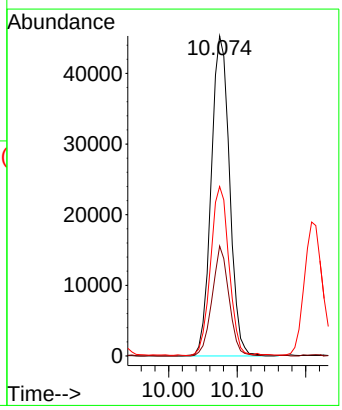
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

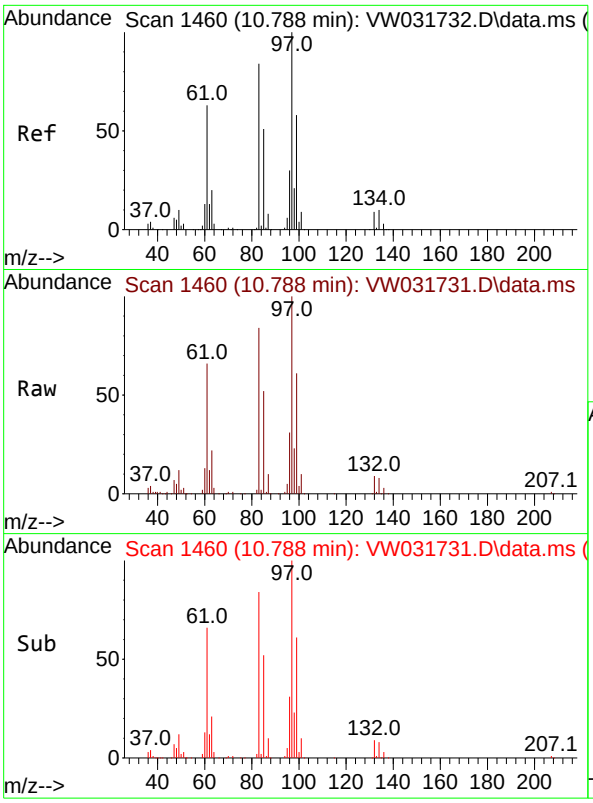


#54
cis-1,3-Dichloropropene
Concen: 21.019 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 84285

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.4	38.2
39	52.7	41.8	62.6

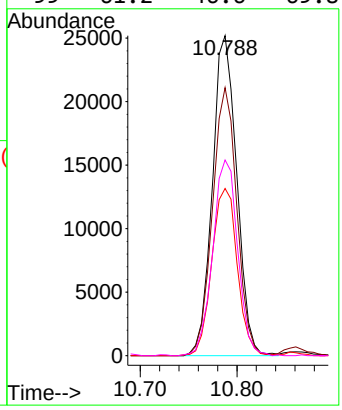




#55
1,1,2-Trichloroethane
Concen: 20.957 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 97 Resp: 4413

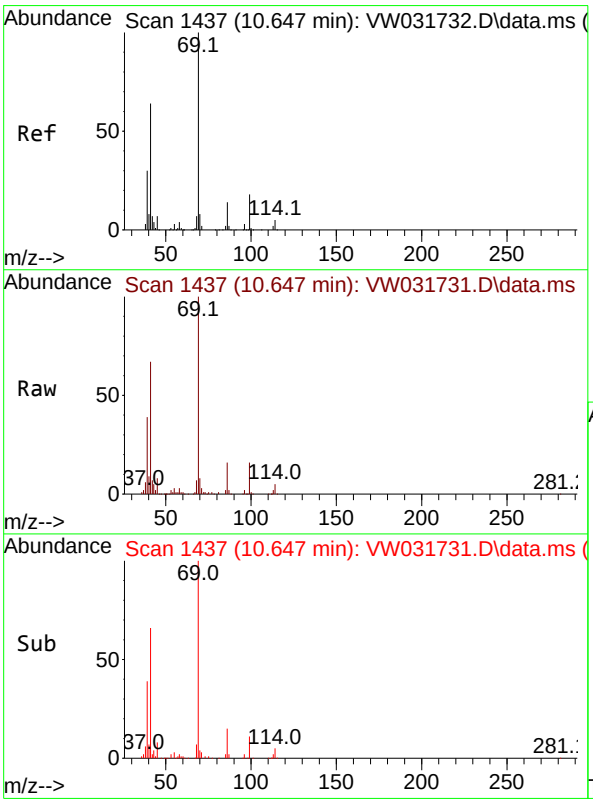
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.9	100.3
85	52.2	41.1	61.7
99	61.2	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

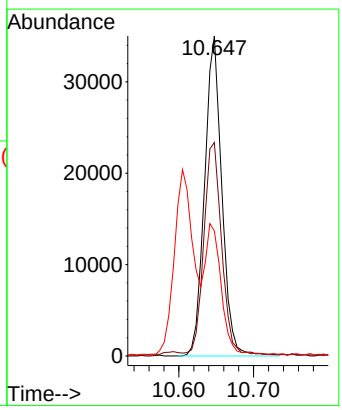
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

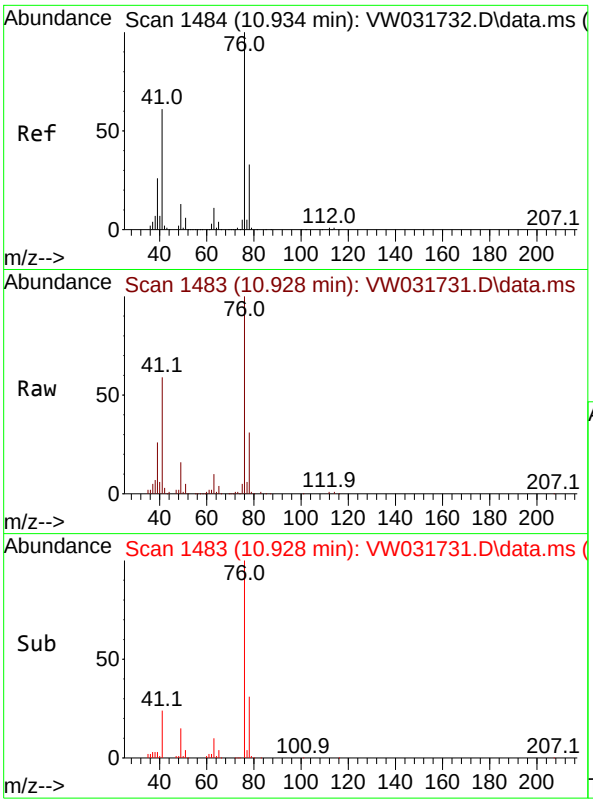


#56
Ethyl methacrylate
Concen: 19.681 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 69 Resp: 56229

Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.3	79.9
39	37.5	30.2	45.2

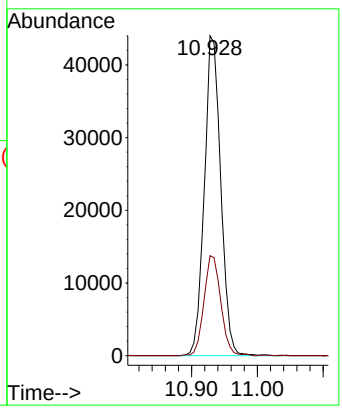




#57
1,3-Dichloropropane
Concen: 20.654 ug/l
RT: 10.928 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 76 Resp: 7636

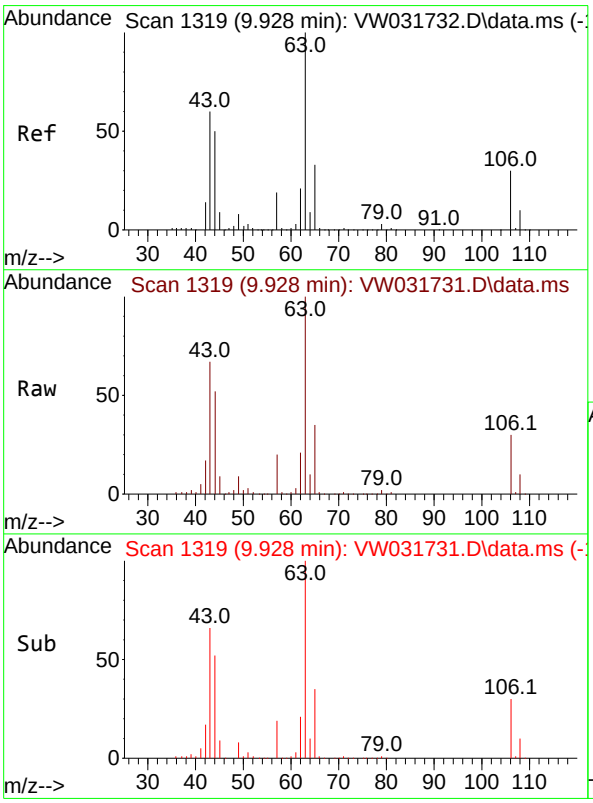
Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

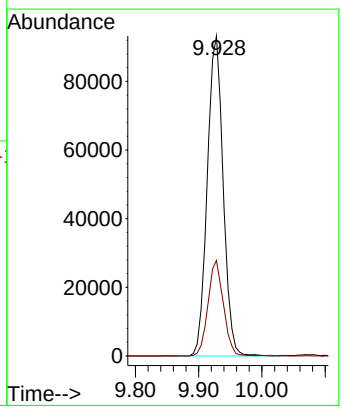
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

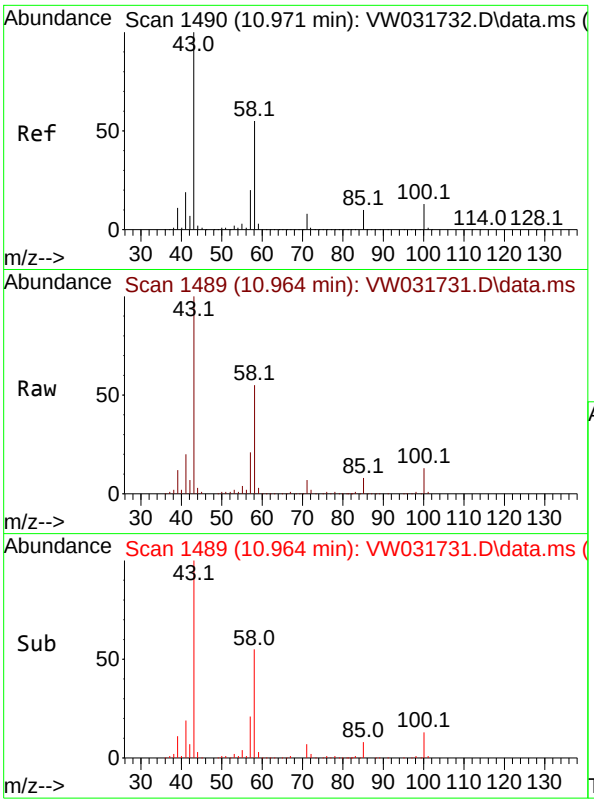


#58
2-Chloroethyl Vinyl ether
Concen: 103.330 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 162561

Ion	Ratio	Lower	Upper
63	100		
106	29.0	24.1	36.1





#59
2-Hexanone
Concen: 97.256 ug/l
RT: 10.964 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

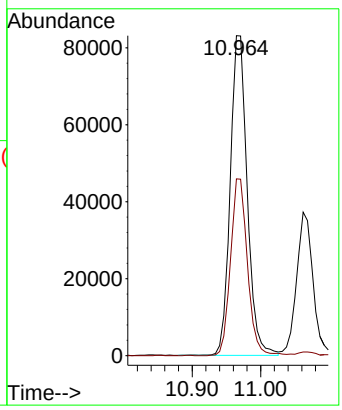
Tgt Ion: 43 Resp: 14348

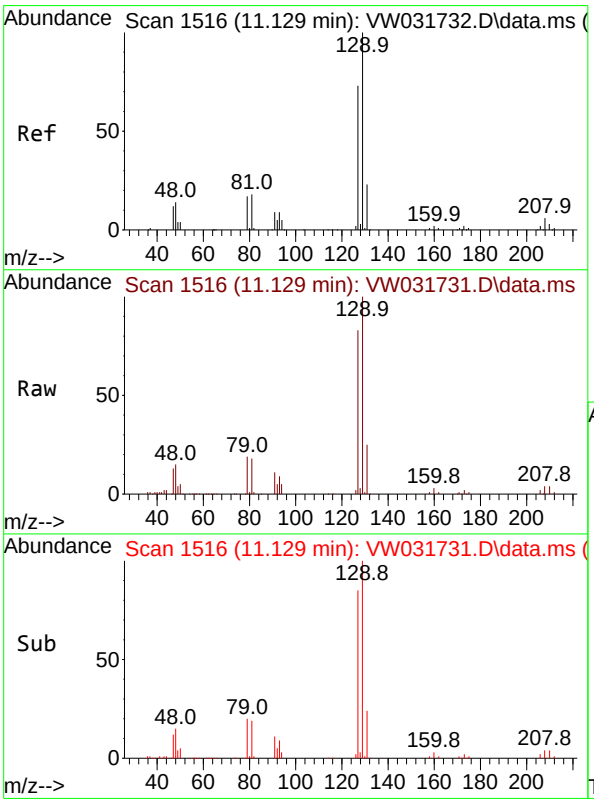
Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

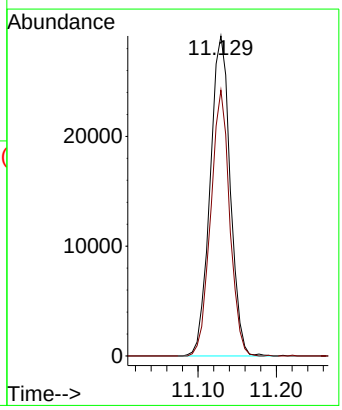


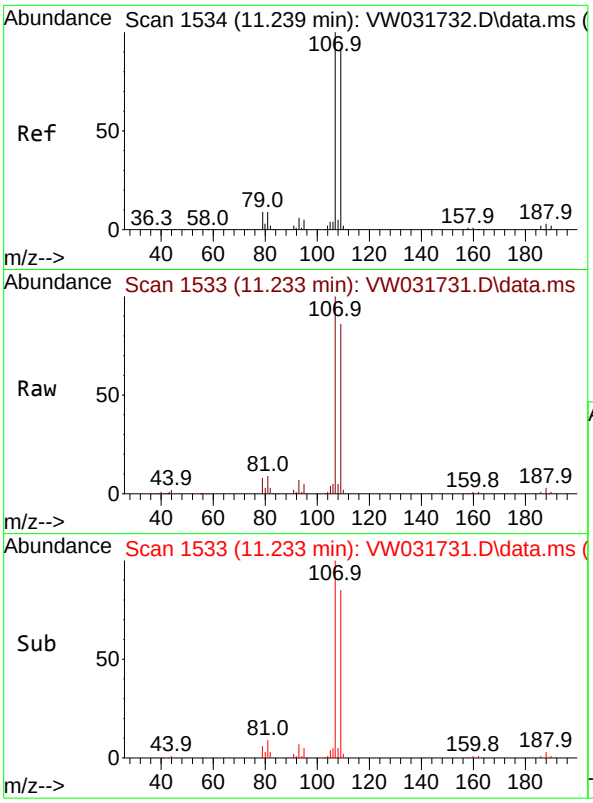


#60
Dibromochloromethane
Concen: 20.699 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:129 Resp: 52126

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.0	114.1

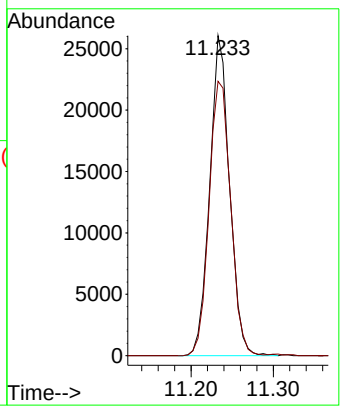




#61
1,2-Dibromoethane
Concen: 20.729 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:107 Resp: 4370

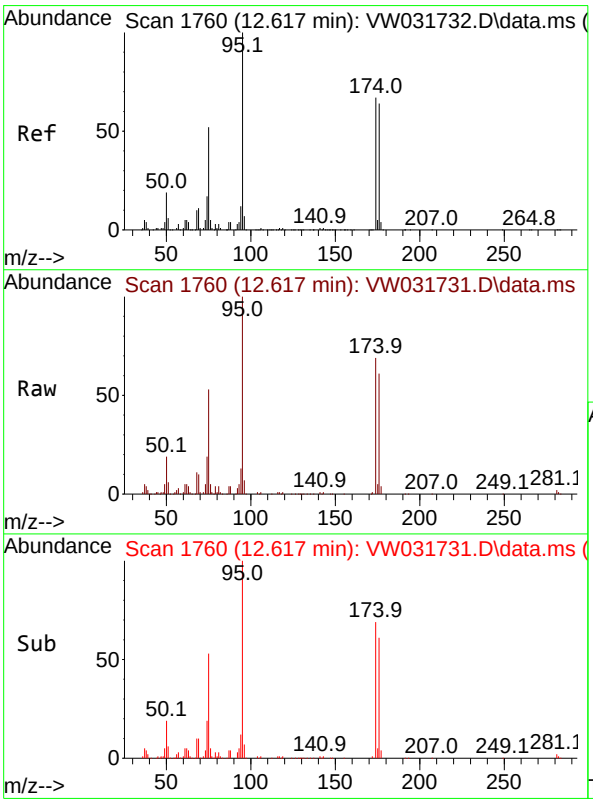
Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

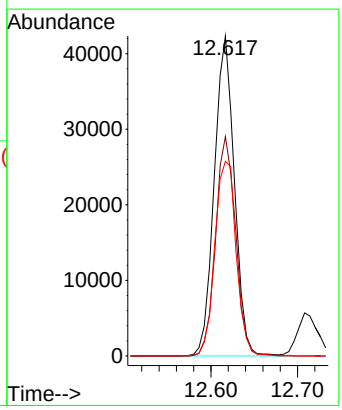
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

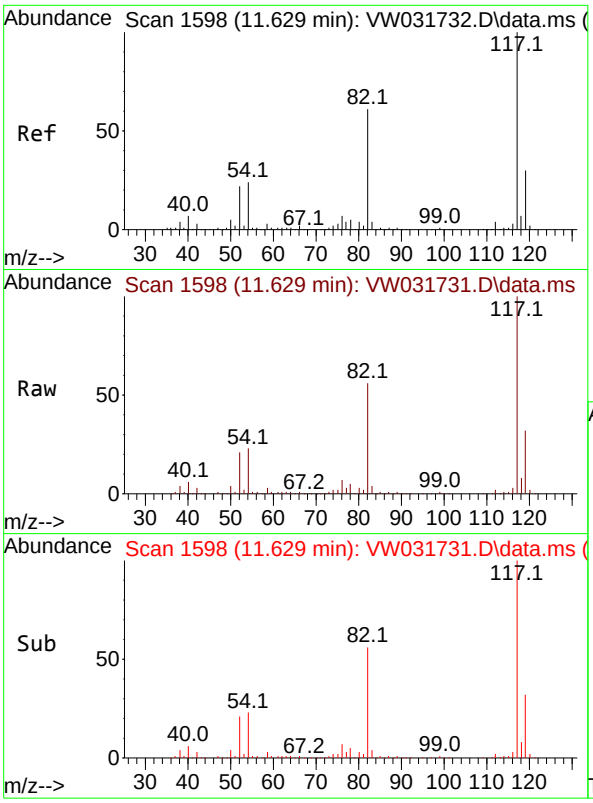


#62
4-Bromofluorobenzene
Concen: 20.714 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 95 Resp: 68269

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	133.8
176	64.9	0.0	126.0

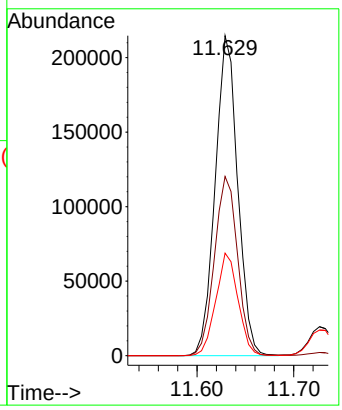




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:117 Resp: 34702

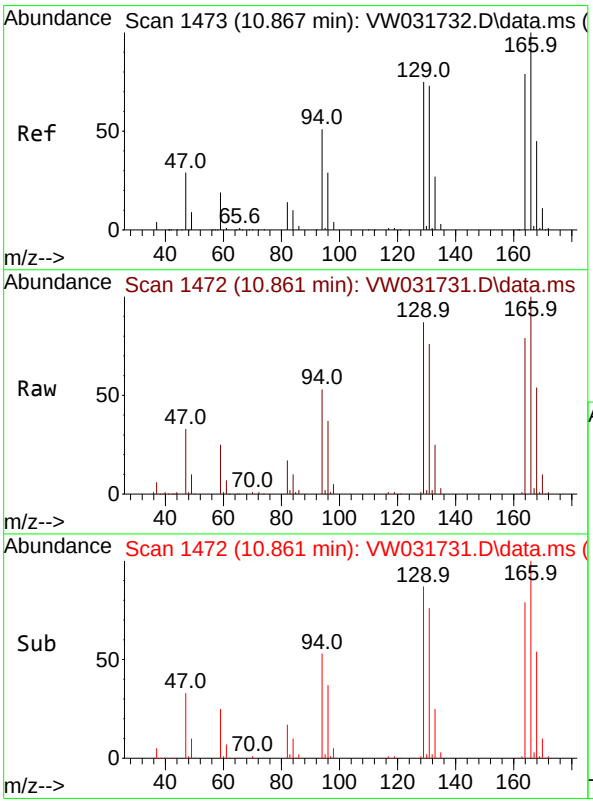
Ion	Ratio	Lower	Upper
117	100		
82	56.0	48.6	72.8
119	32.0	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

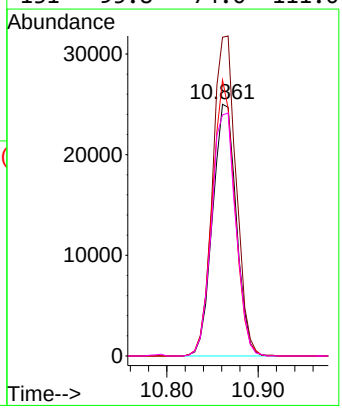
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

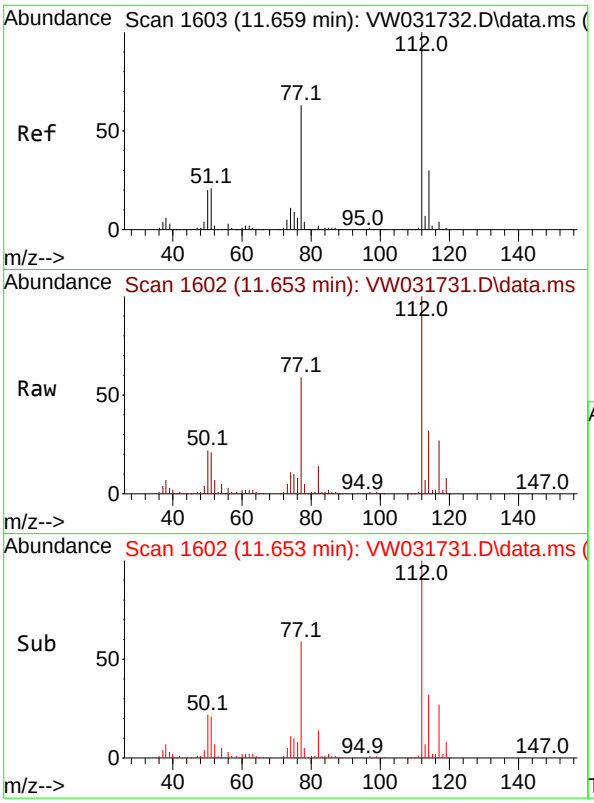


#64
Tetrachloroethene
Concen: 19.810 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:164 Resp: 44967

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.7	151.1
129	109.7	75.4	113.0
131	95.8	74.0	111.0

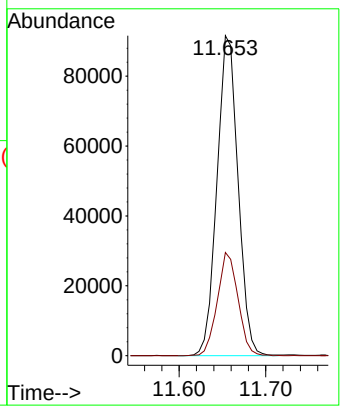




#65
Chlorobenzene
Concen: 20.224 ug/l
RT: 11.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:112 Resp: 15484

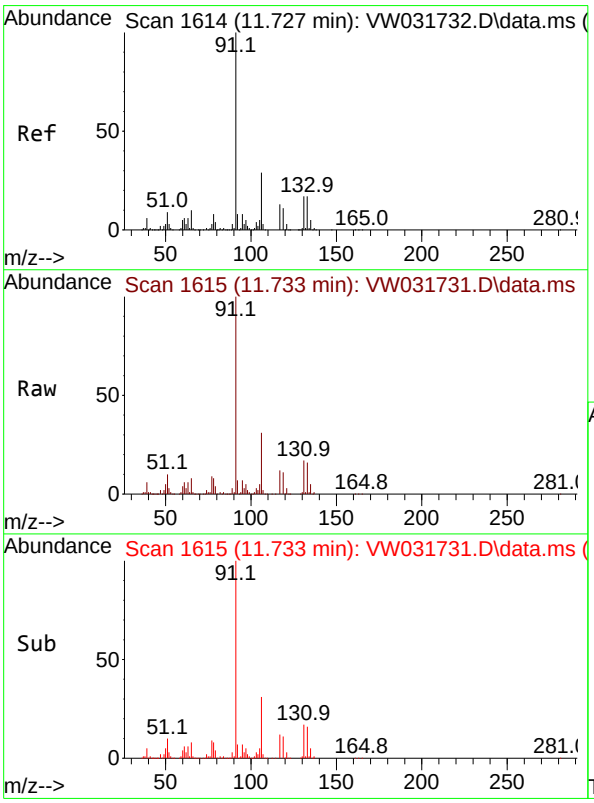
Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

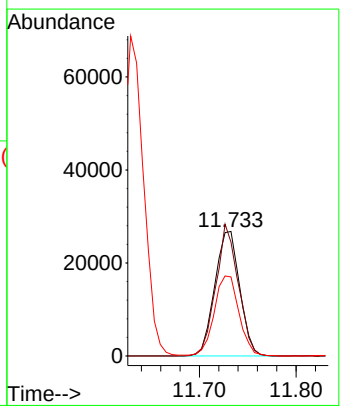
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

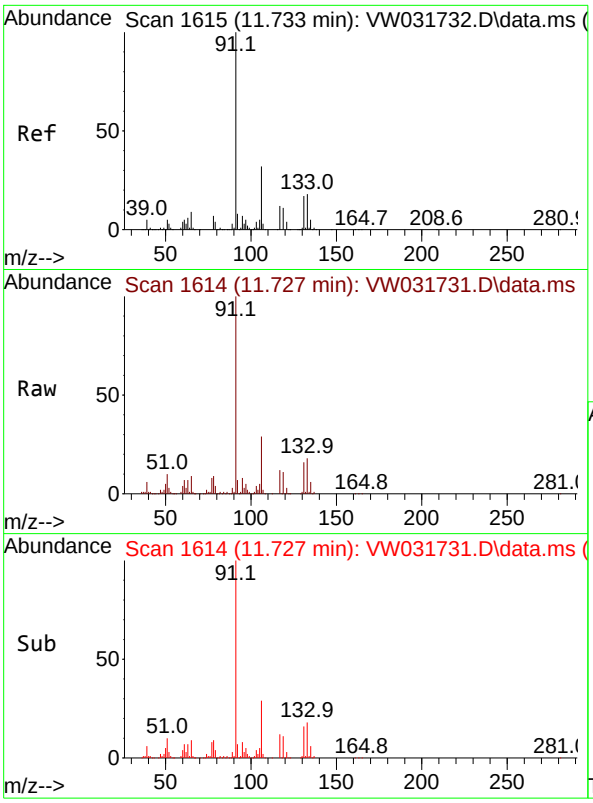


#66
1,1,1,2-Tetrachloroethane
Concen: 19.641 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:131 Resp: 47923

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.5	145.6
119	64.2	32.5	97.5

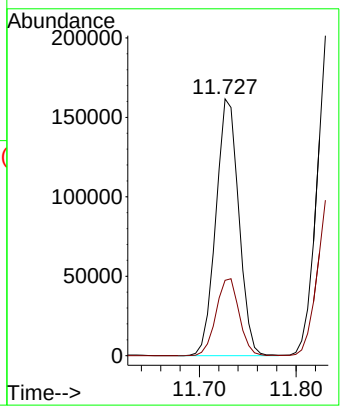




#67
Ethyl Benzene
Concen: 19.975 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 26519

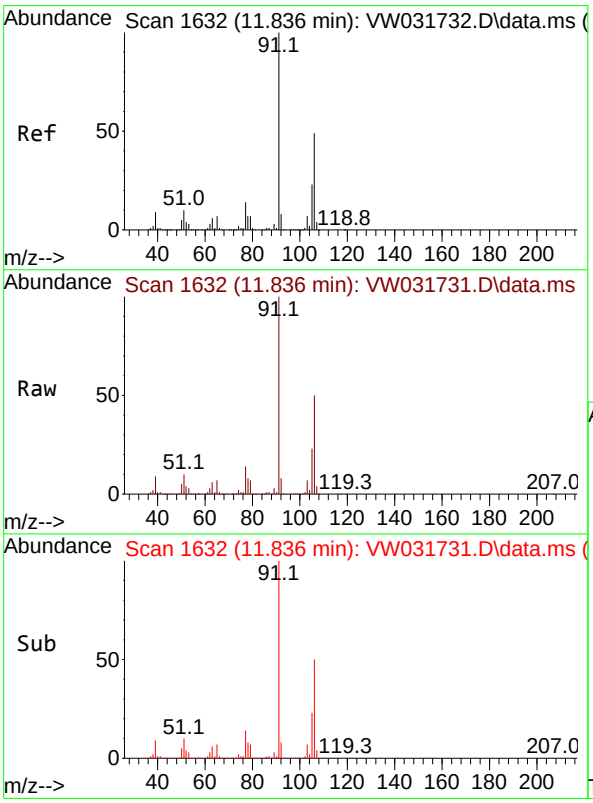
Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

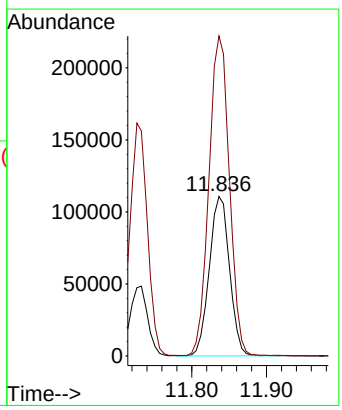
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

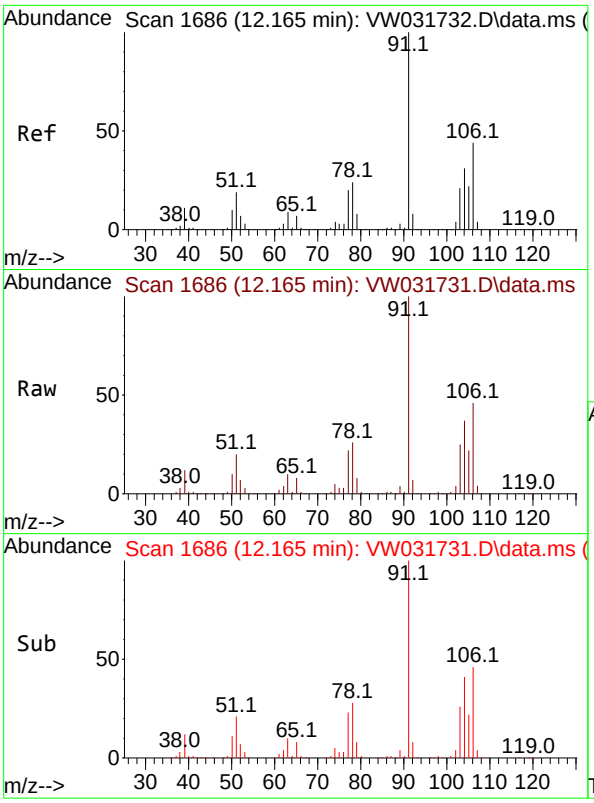


#68
m/p-Xylenes
Concen: 40.829 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:106 Resp: 208380

Ion	Ratio	Lower	Upper
106	100		
91	203.4	166.4	249.6

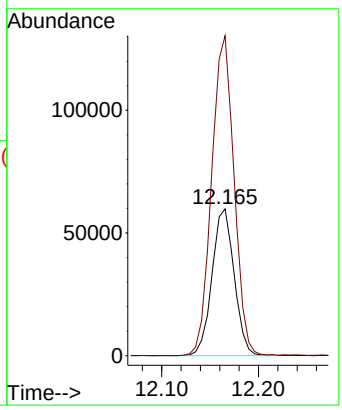




#69
o-Xylene
Concen: 20.126 ug/l
RT: 12.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:106 Resp: 9510

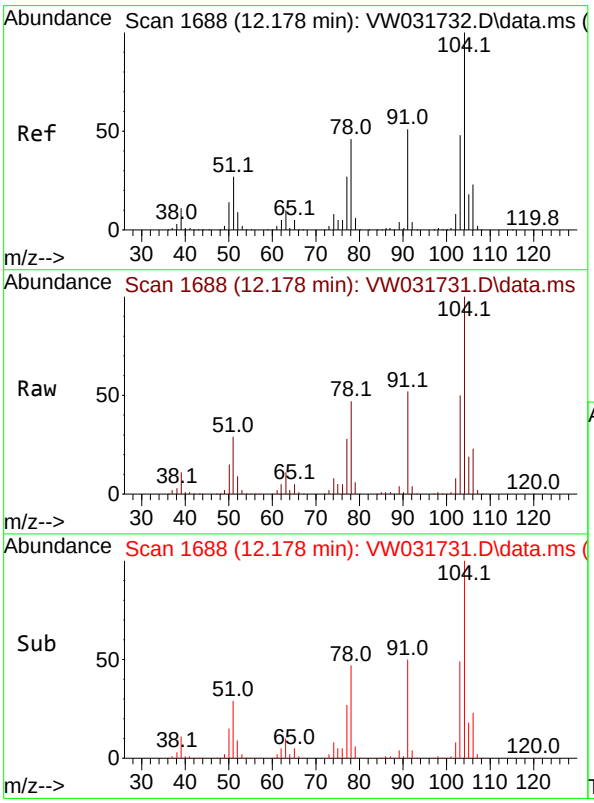
Ion	Ratio	Lower	Upper
106	100		
91	221.6	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

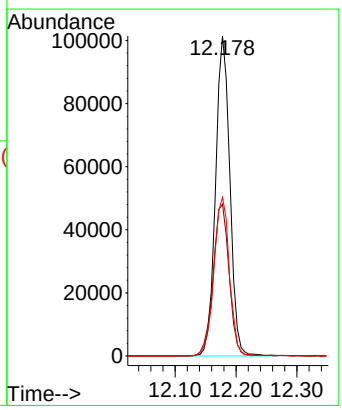
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

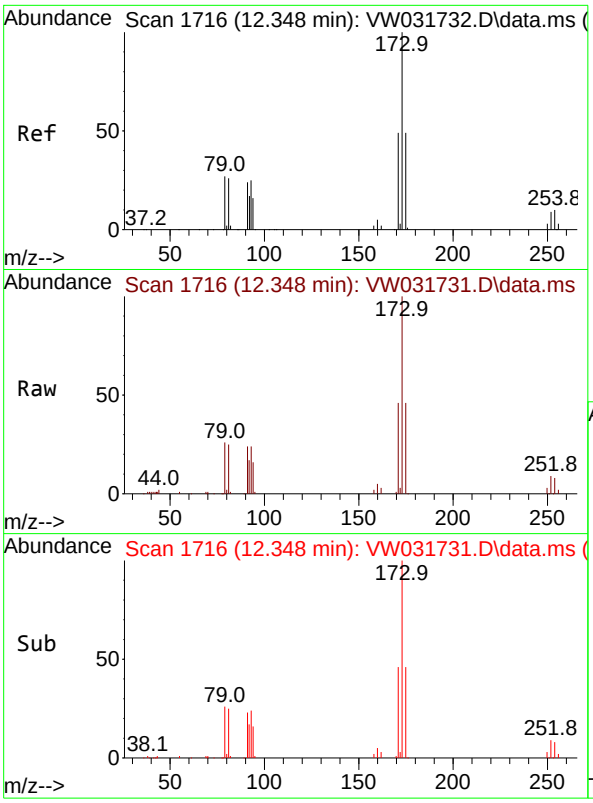


#70
Styrene
Concen: 20.307 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:104 Resp: 165896

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.1	63.1
103	53.6	43.0	64.6

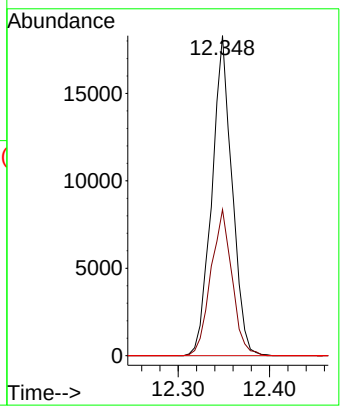




#71
Bromoform
Concen: 19.330 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:173 Resp: 2813

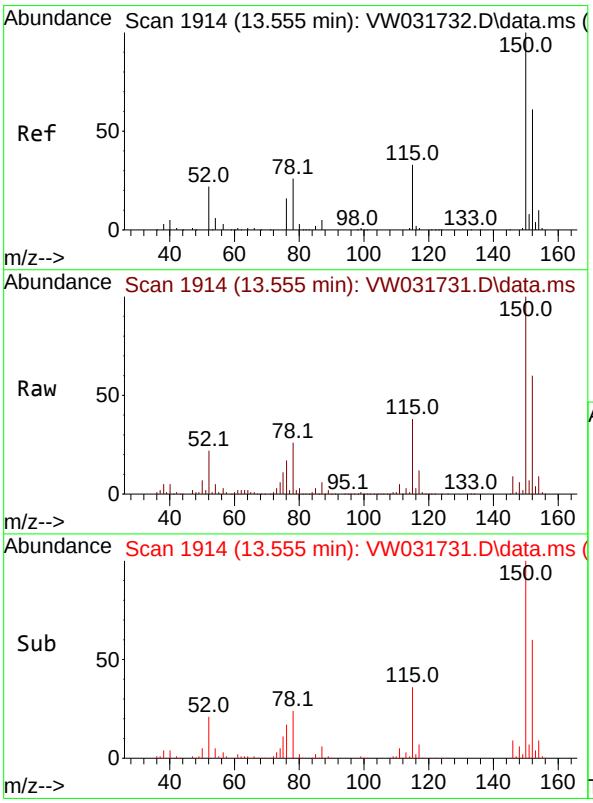
Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

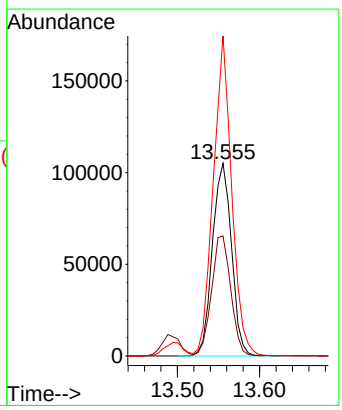
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

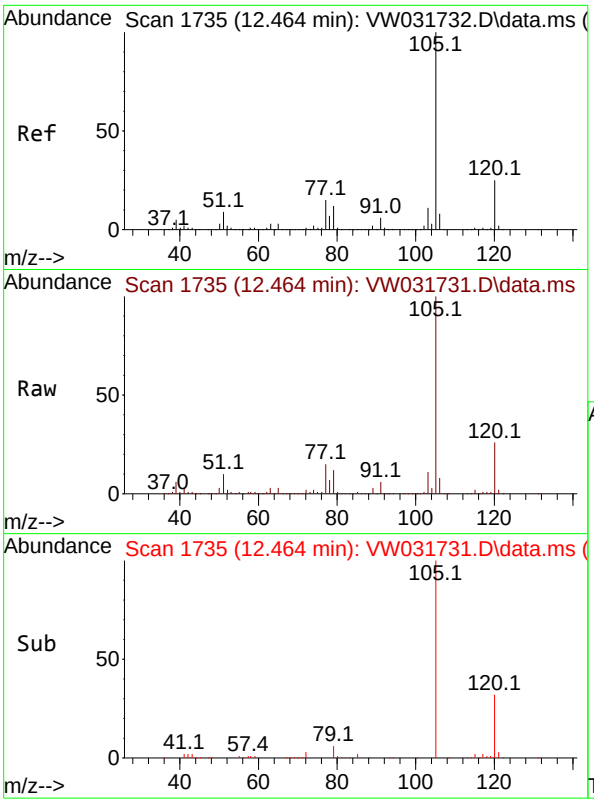


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:152 Resp: 169543

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.9	95.7
150	159.7	0.0	356.4

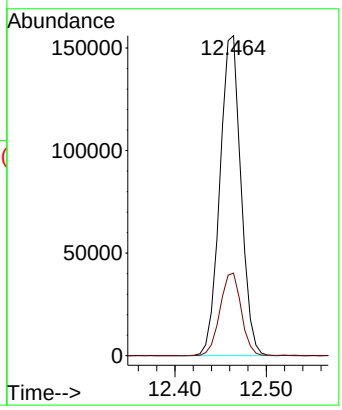




#73
Isopropylbenzene
Concen: 19.368 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 24977

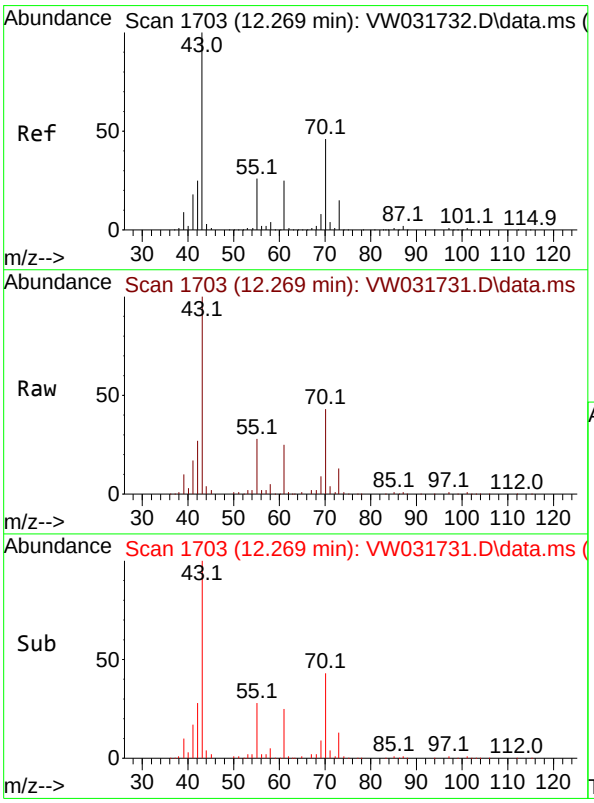
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

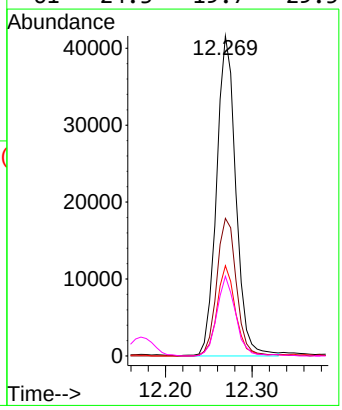
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

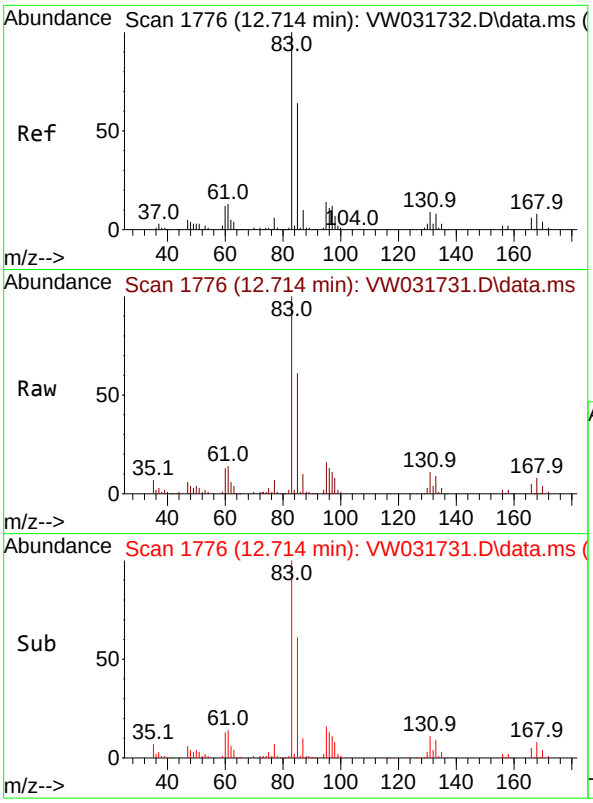


#74
N-amyl acetate
Concen: 18.584 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 64599

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.0	54.0
55	27.1	20.8	31.2
61	24.3	19.7	29.5

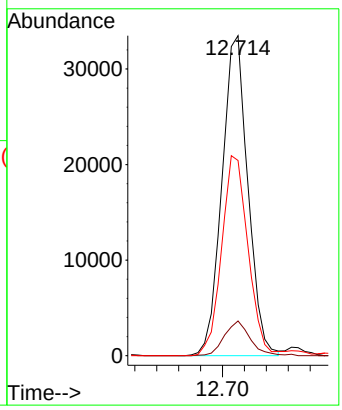




#75
1,1,2,2-Tetrachloroethane
Concen: 19.230 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 5505

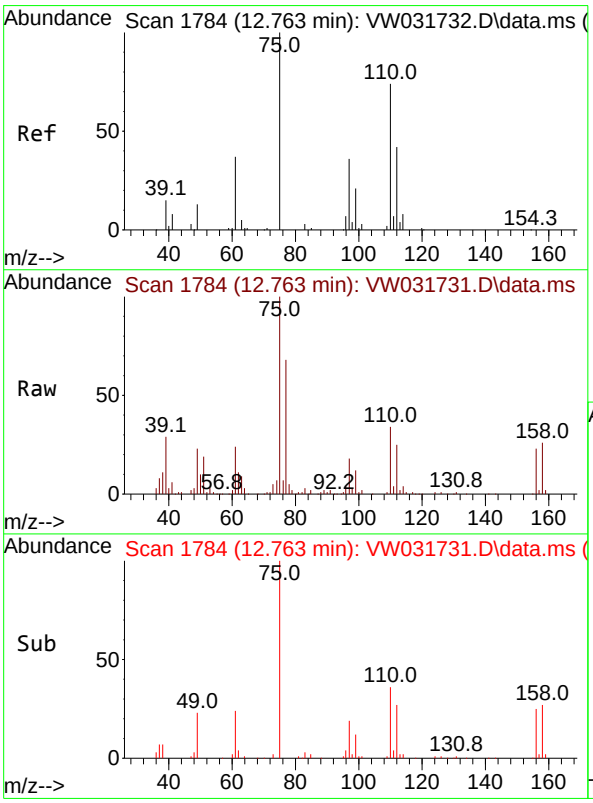
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	63.7	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

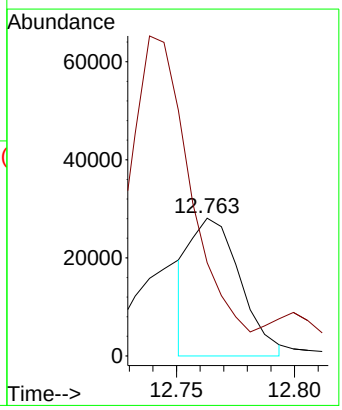
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

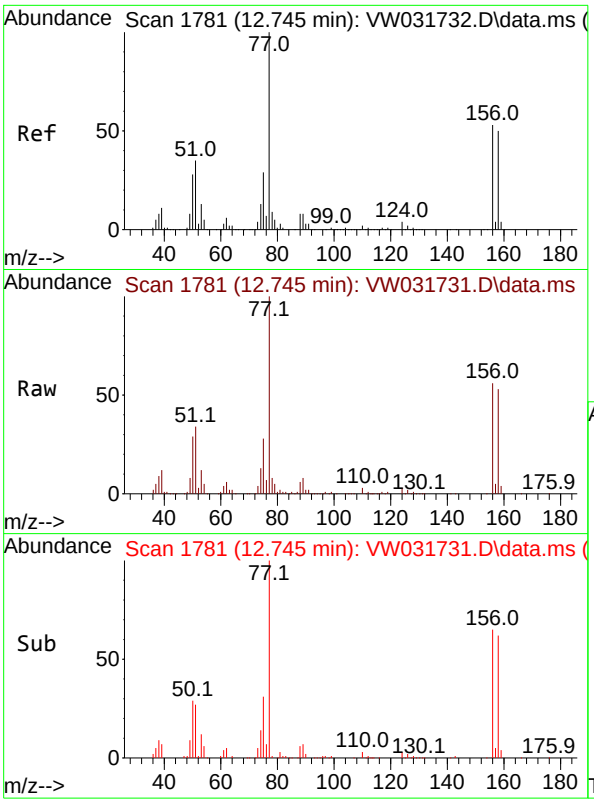


#76
1,2,3-Trichloropropane
Concen: 18.910 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 41432

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#

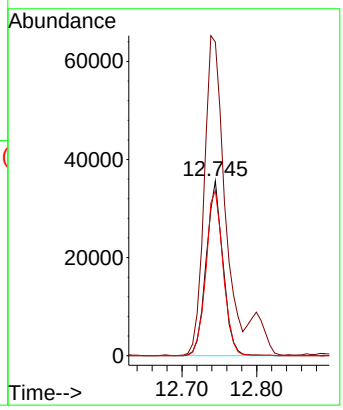




#77
Bromobenzene
Concen: 19.235 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:156 Resp: 5532

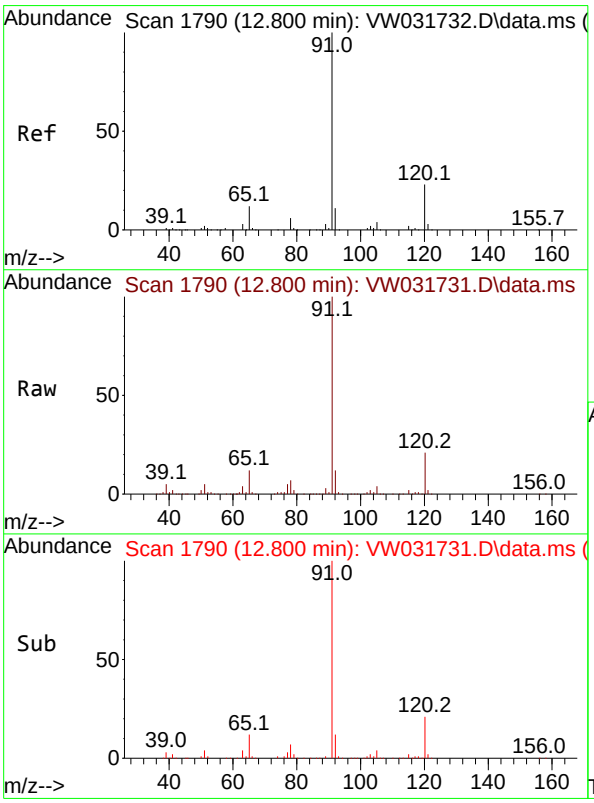
Ion	Ratio	Lower	Upper
156	100		
77	220.9	117.9	353.7
158	97.4	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

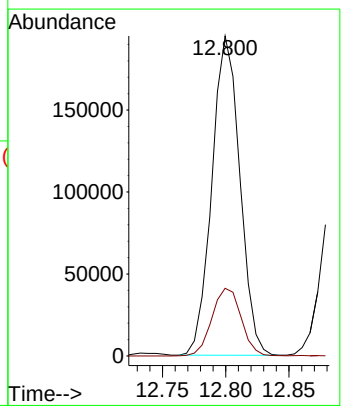
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

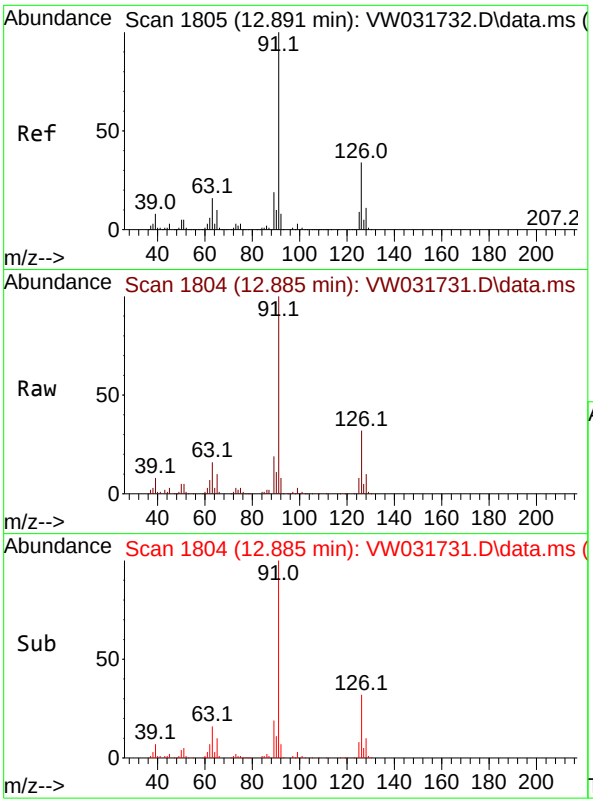


#78
n-propylbenzene
Concen: 19.402 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 299620

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.5	34.4

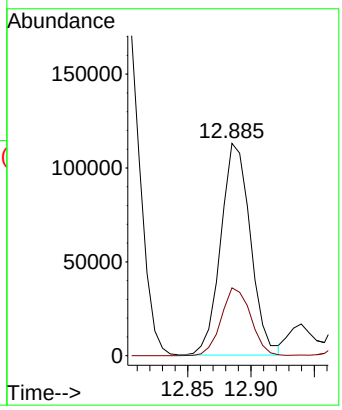




#79
2-Chlorotoluene
Concen: 19.845 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 18454

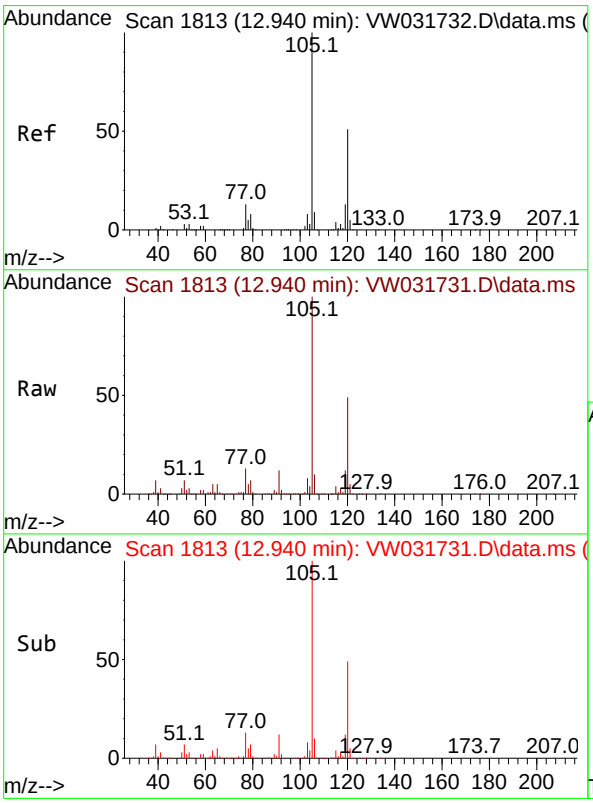
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

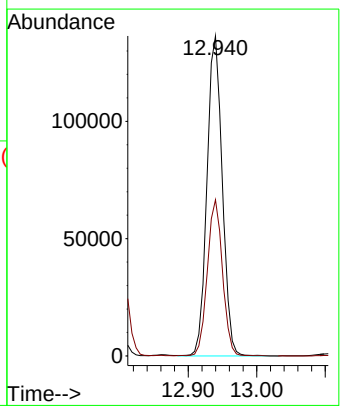
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

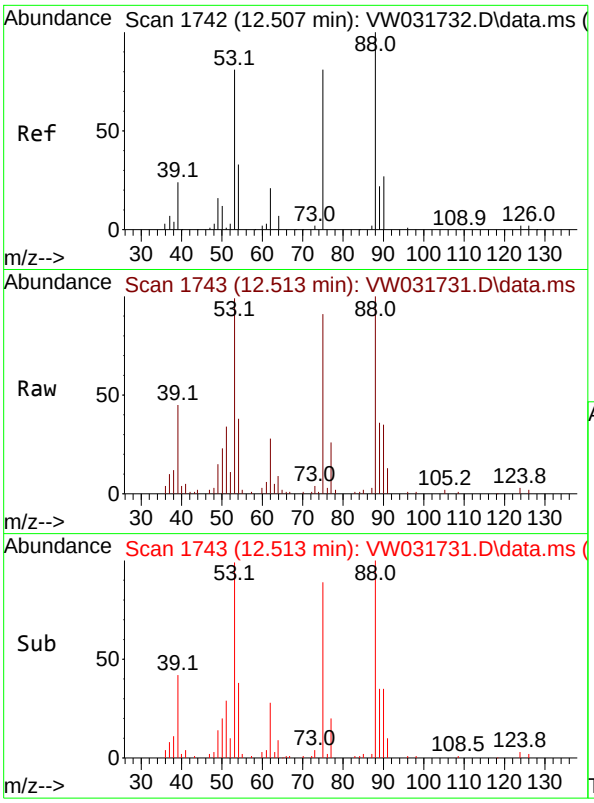


#80
1,3,5-Trimethylbenzene
Concen: 19.828 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 211664

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.2

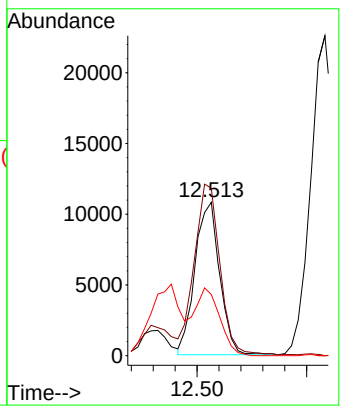




#81
trans-1,4-Dichloro-2-butene
Concen: 17.978 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 1691

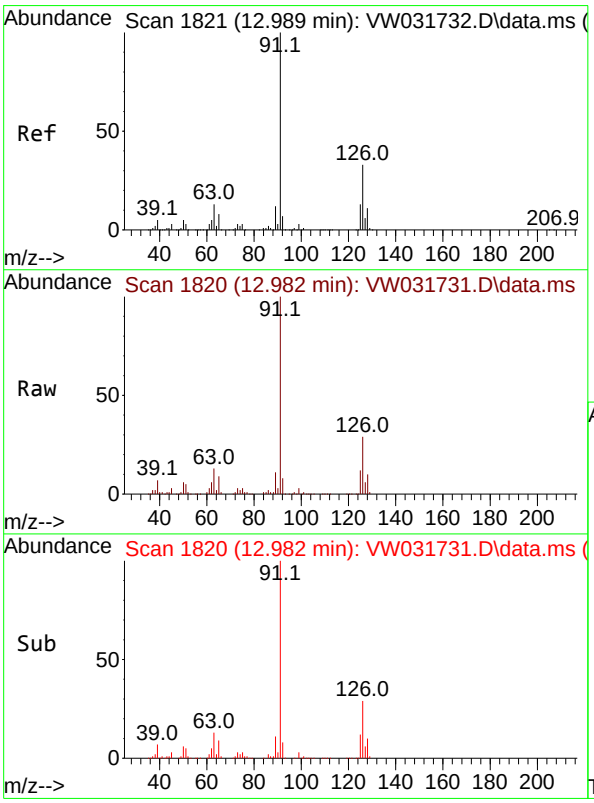
Ion	Ratio	Lower	Upper
75	100		
53	115.7	83.5	125.3
89	46.1	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

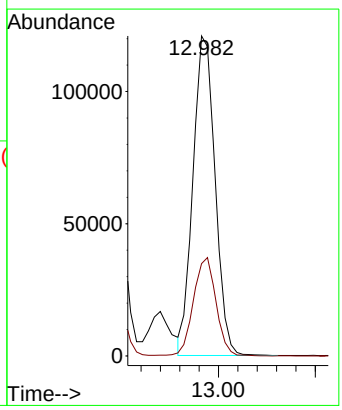
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

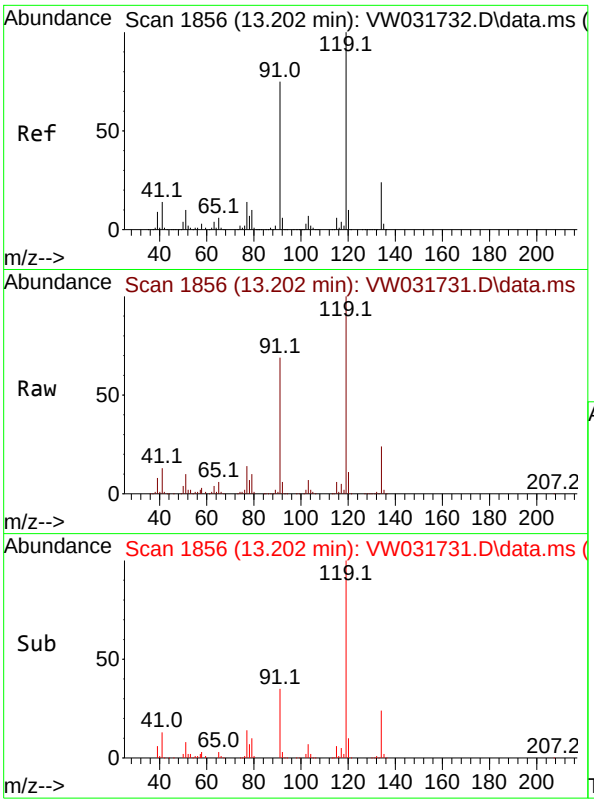


#82
4-Chlorotoluene
Concen: 19.707 ug/l
RT: 12.982 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 192402

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.0	47.9

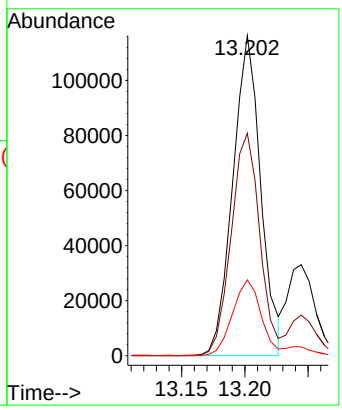




#83
tert-Butylbenzene
Concen: 19.591 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:119 Resp: 17914

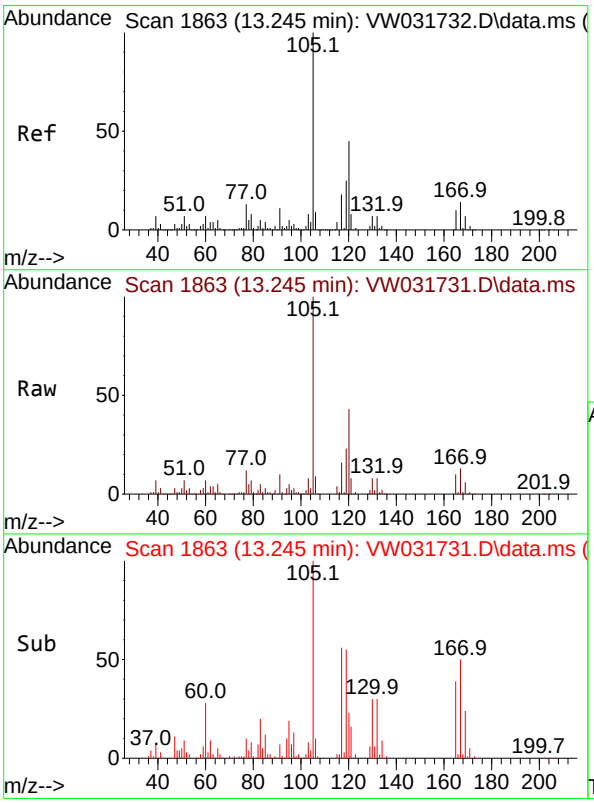
Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.0	108.1
134	24.6	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

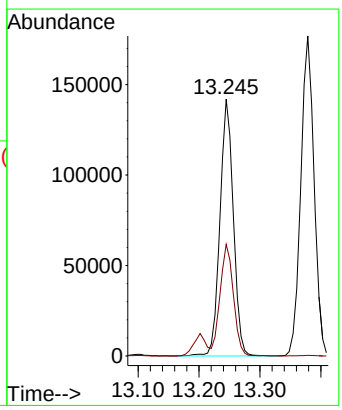
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

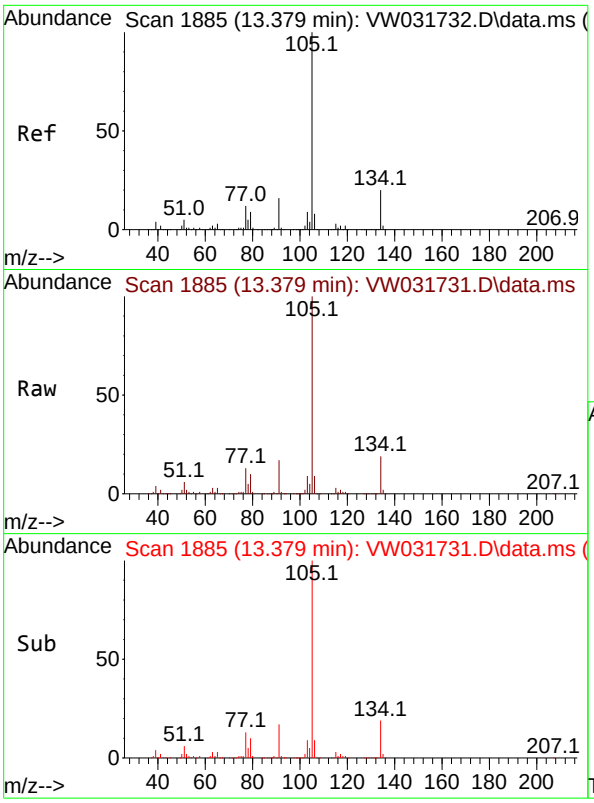


#84
1,2,4-Trimethylbenzene
Concen: 20.016 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 216491

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1

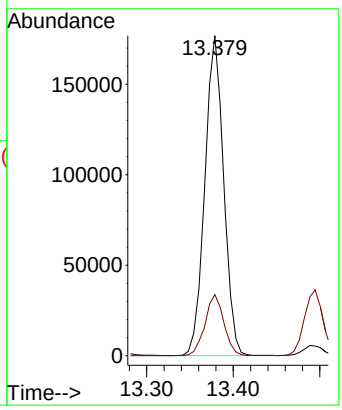




#85
sec-Butylbenzene
Concen: 19.452 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 26698

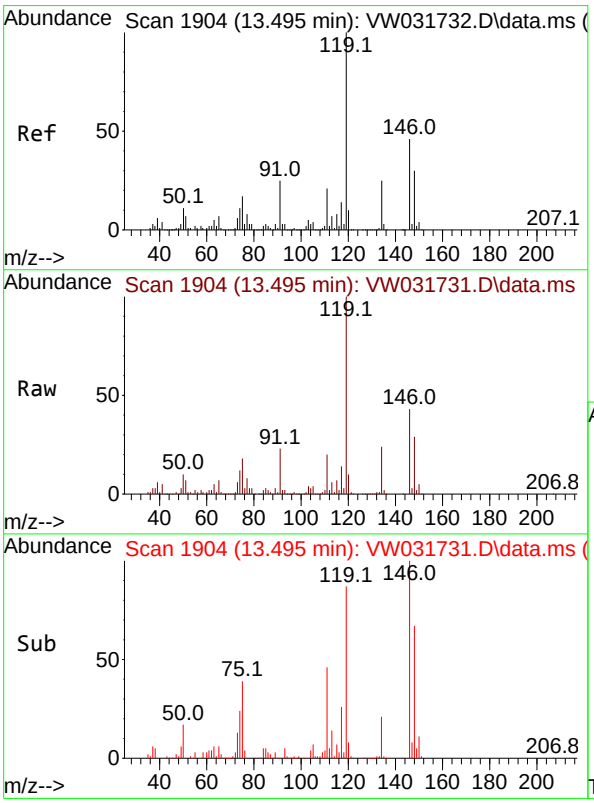
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

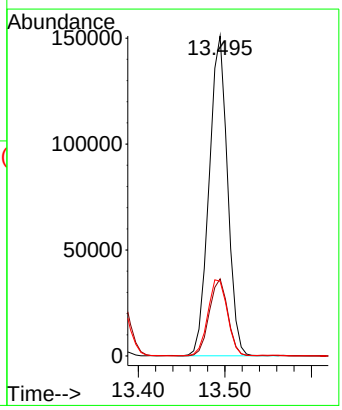
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

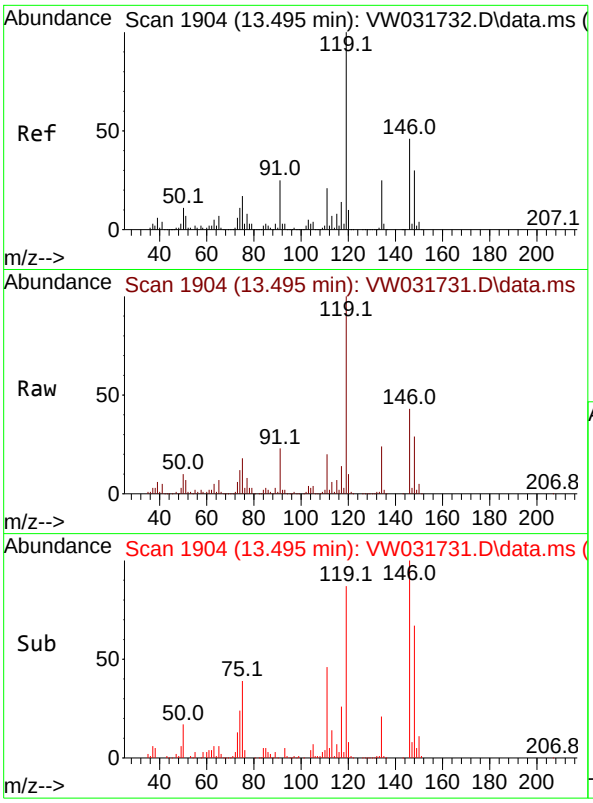


#86
p-Isopropyltoluene
Concen: 19.735 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:119 Resp: 223225

Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.9	38.7
91	25.3	12.7	38.0

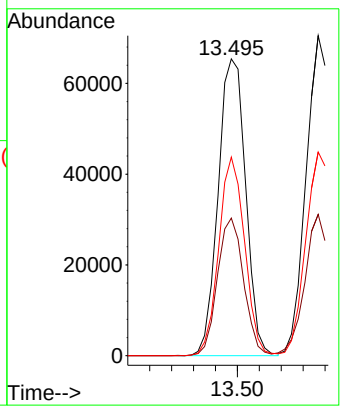




#87
1,3-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:146 Resp: 11412

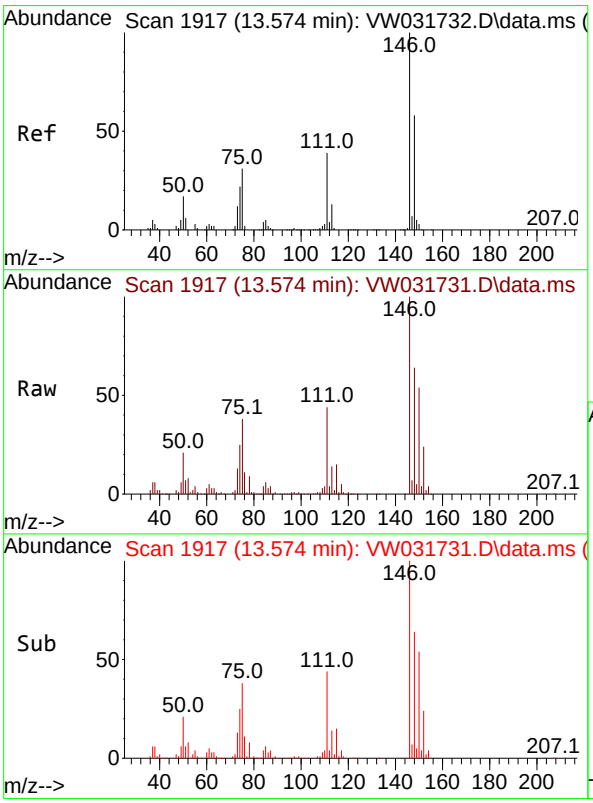
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.9
148	63.0	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

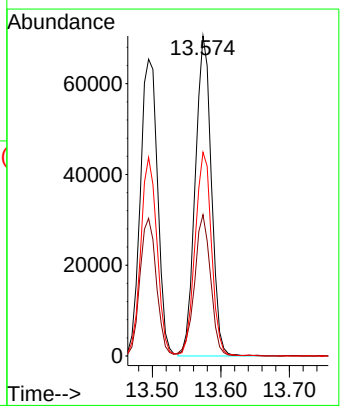
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

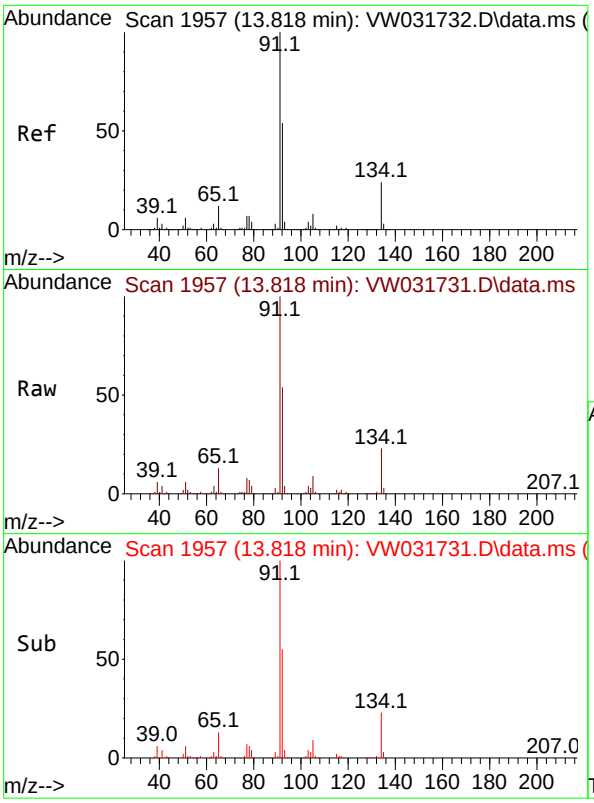


#88
1,4-Dichlorobenzene
Concen: 19.530 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:146 Resp: 115307

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.4	61.3
148	64.5	30.2	90.6

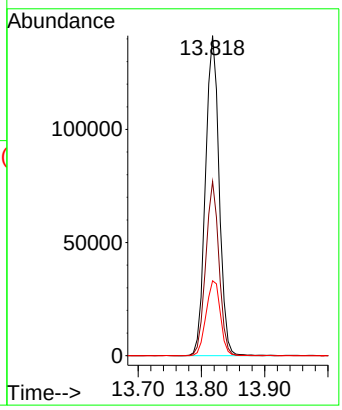




#89
n-Butylbenzene
Concen: 19.336 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 21250

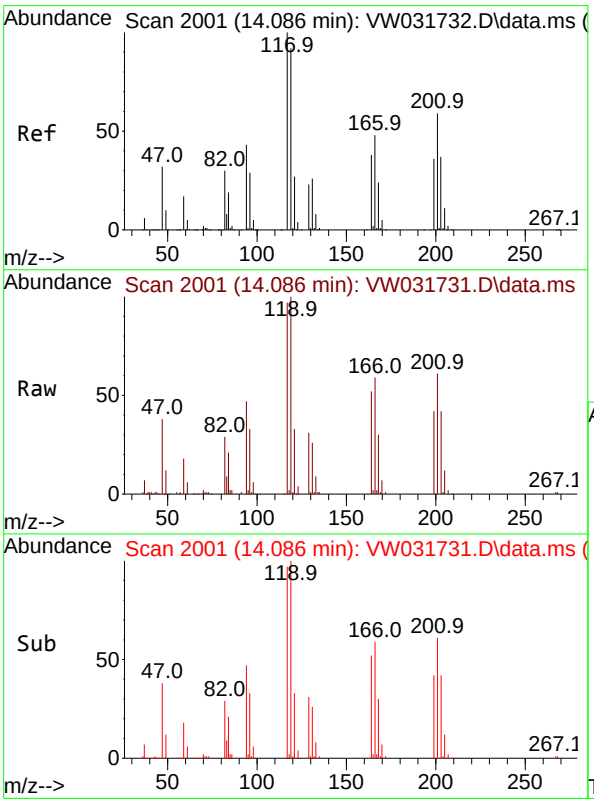
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.5
134	24.5	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

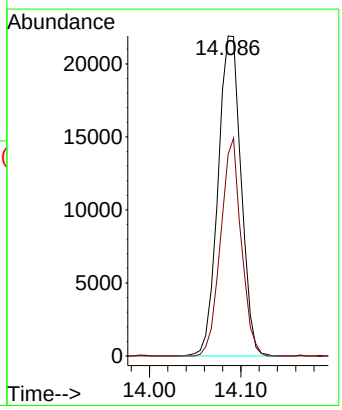
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

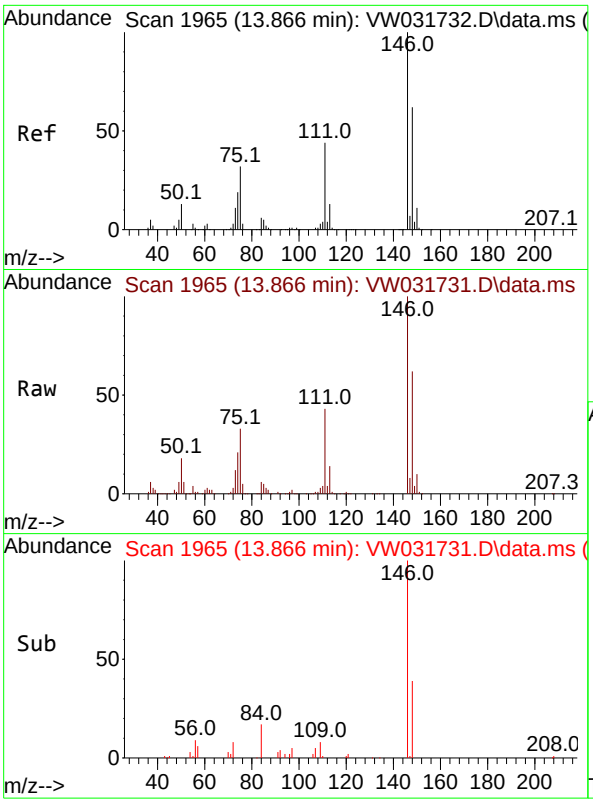


#90
Hexachloroethane
Concen: 18.820 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:117 Resp: 38406

Ion	Ratio	Lower	Upper
117	100		
201	60.9	31.1	93.3

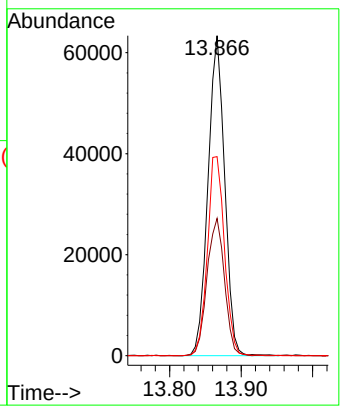




#91
1,2-Dichlorobenzene
Concen: 19.432 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:146 Resp: 10244

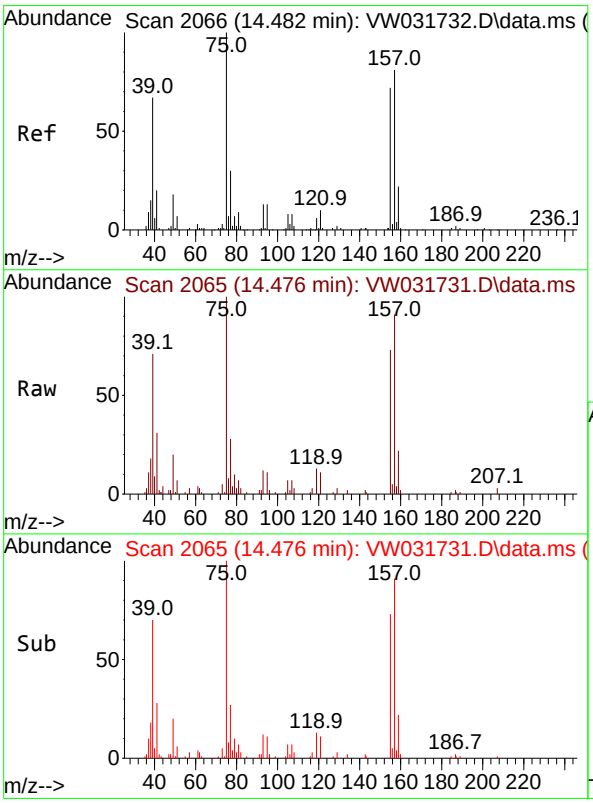
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.7	65.1
148	63.9	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

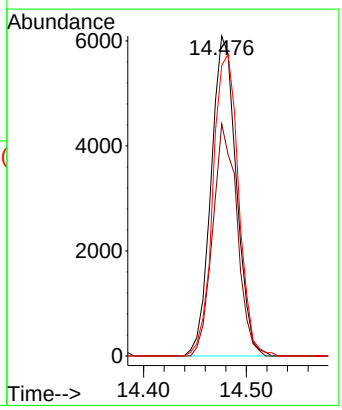
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

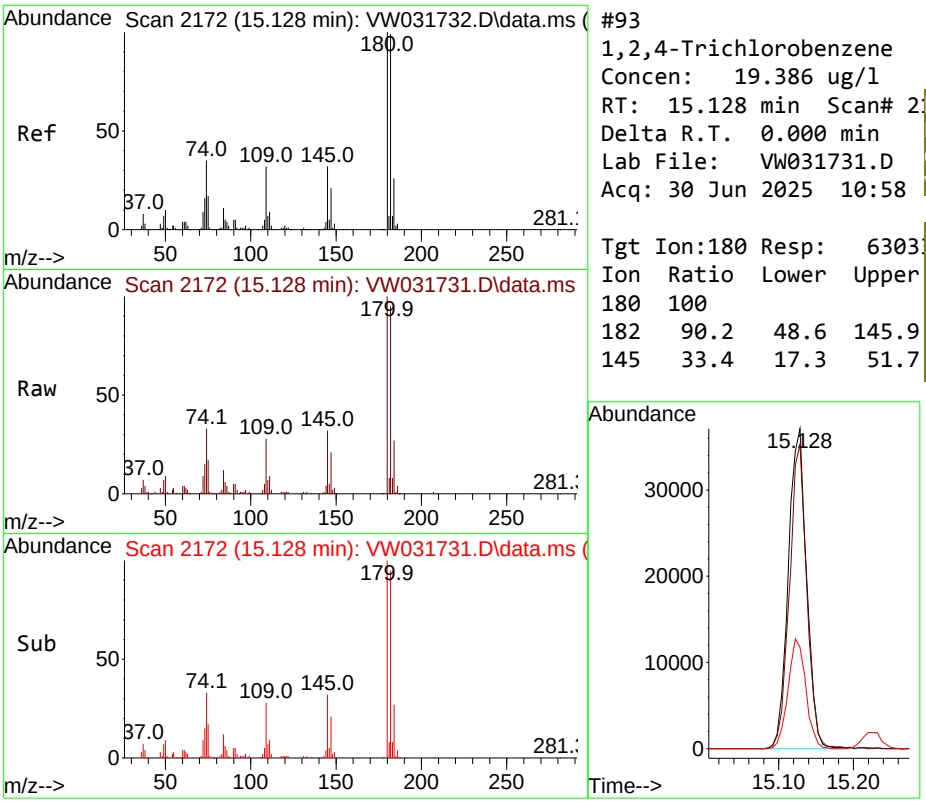


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.610 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 10404

Ion	Ratio	Lower	Upper
75	100		
155	69.6	37.2	111.6
157	95.5	45.6	136.9





#93
1,2,4-Trichlorobenzene
Concen: 19.386 ug/l
RT: 15.128 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

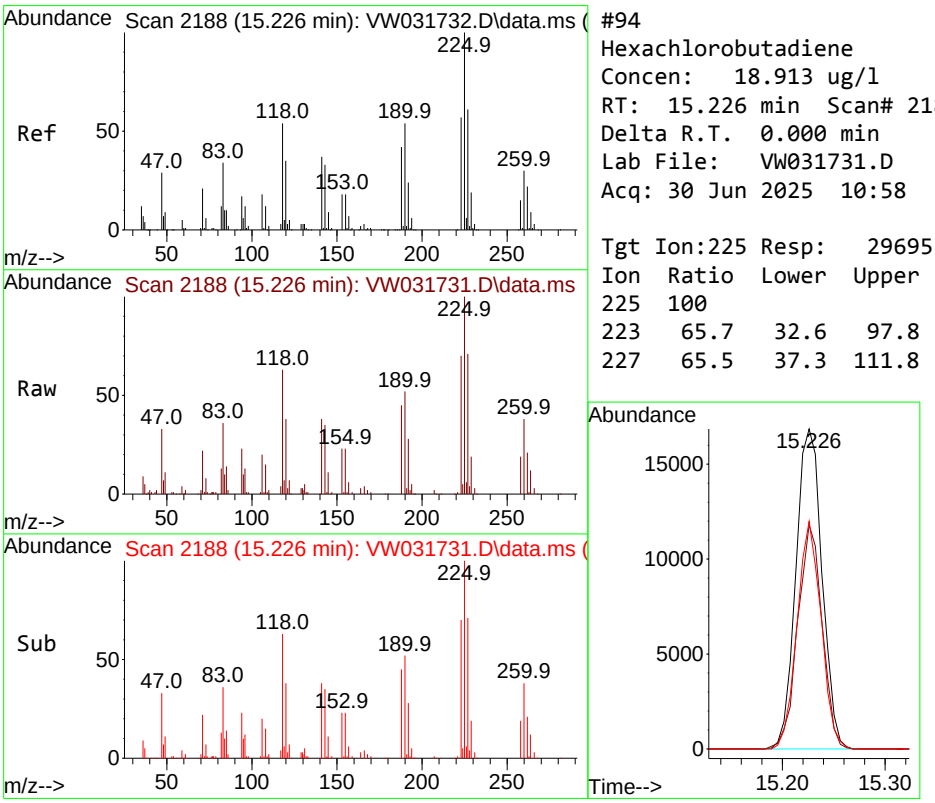
Tgt Ion:180 Resp: 6303

Ion	Ratio	Lower	Upper
180	100		
182	90.2	48.6	145.9
145	33.4	17.3	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

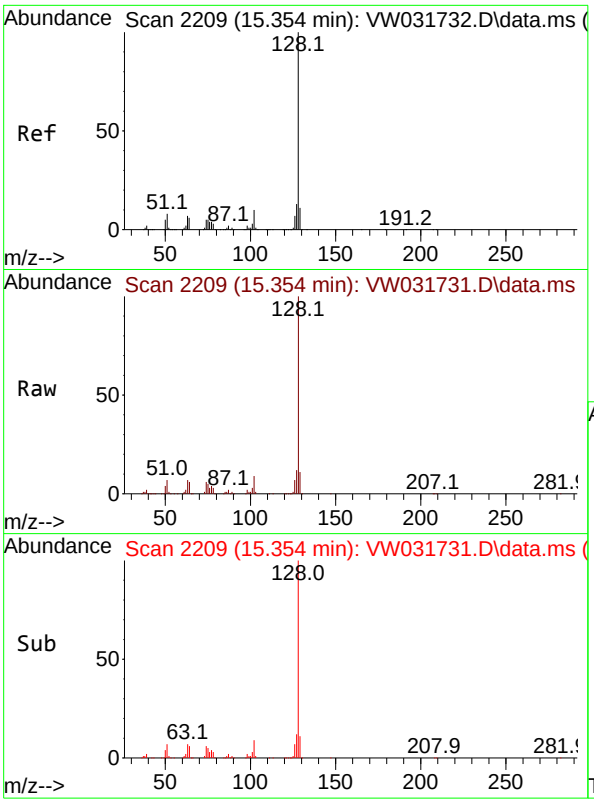
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#94
Hexachlorobutadiene
Concen: 18.913 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:225 Resp: 29695

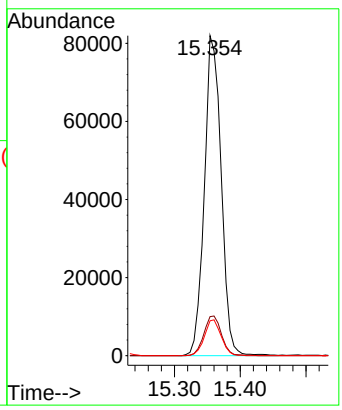
Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.6	97.8
227	65.5	37.3	111.8



#95
Naphthalene
Concen: 18.335 ug/l
RT: 15.354 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:128 Resp: 14615

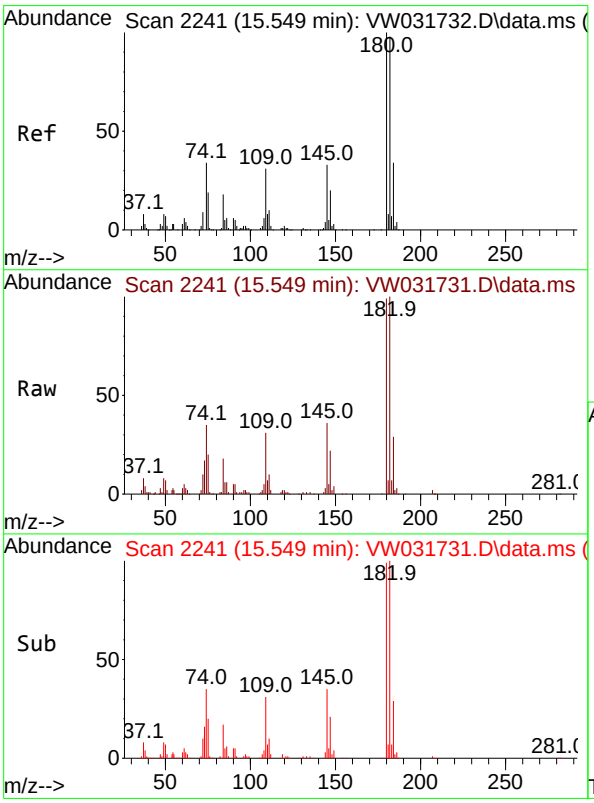
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.1	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

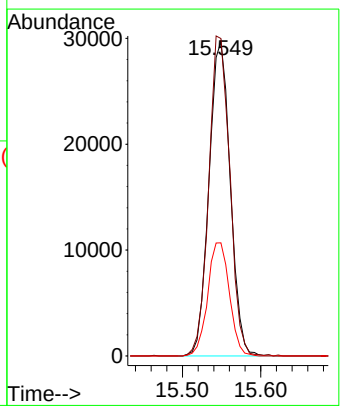
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.772 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:180 Resp: 56085

Ion	Ratio	Lower	Upper
180	100		
182	100.6	46.4	139.1
145	36.7	17.8	53.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.620%		
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.240%		
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l		100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l		100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l		100
44) Trichloroethene	9.099	130	139117	49.275	ug/l		100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l		100
46) Dibromomethane	9.471	93	88721	50.266	ug/l		100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l		100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l		100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l		100
52) Toluene	10.391	92	354627	48.965	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l		100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l		100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l		100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l		100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l		100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l		100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l		100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l		100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l		100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l		100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l		100
69) o-Xylene	12.165	106	247840	50.054	ug/l		100
70) Styrene	12.178	104	439641	51.360	ug/l		100
71) Bromoform	12.348	173	79452	52.095	ug/l		100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l		100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	113761m	50.492	ug/l		
77) Bromobenzene	12.745	156	136242	46.062	ug/l		100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l		100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l		100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l		100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l		100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l		100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l		100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l		100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l		100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l		100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l		100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l		100
95) Naphthalene	15.354	128	417556	50.938	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

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

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

ICAL Form

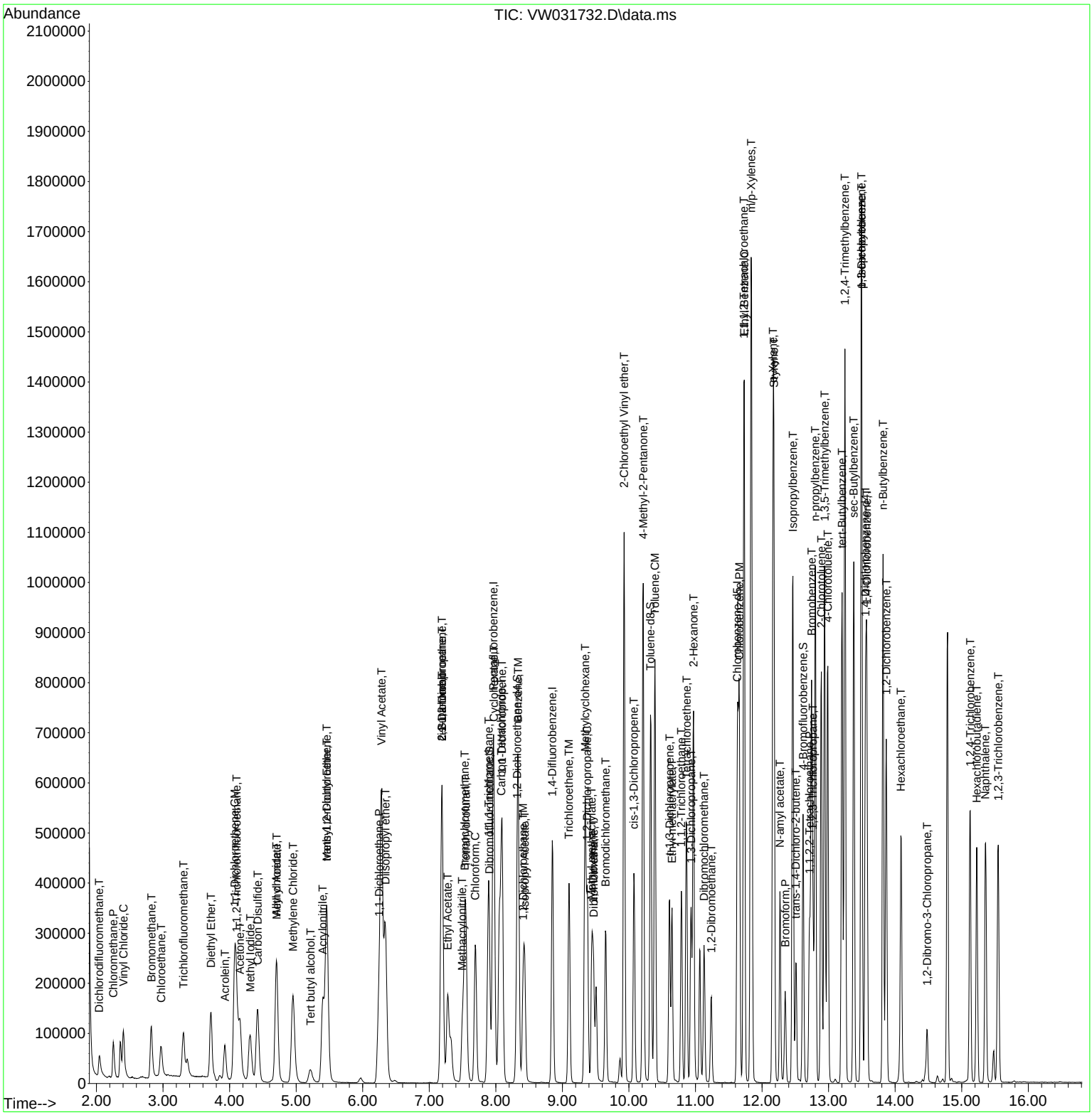
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Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

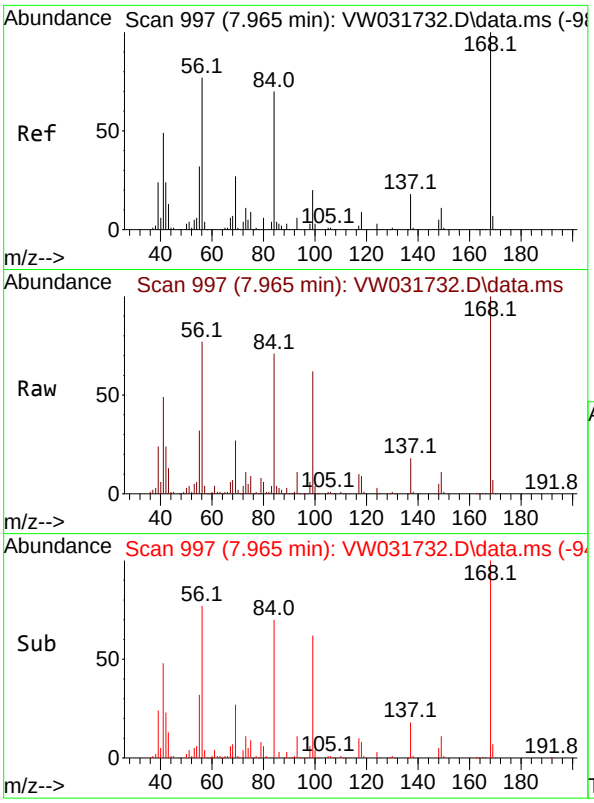
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

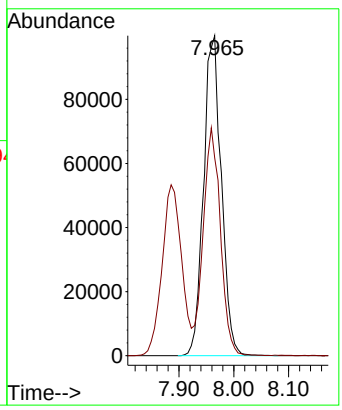




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:168 Resp: 22445

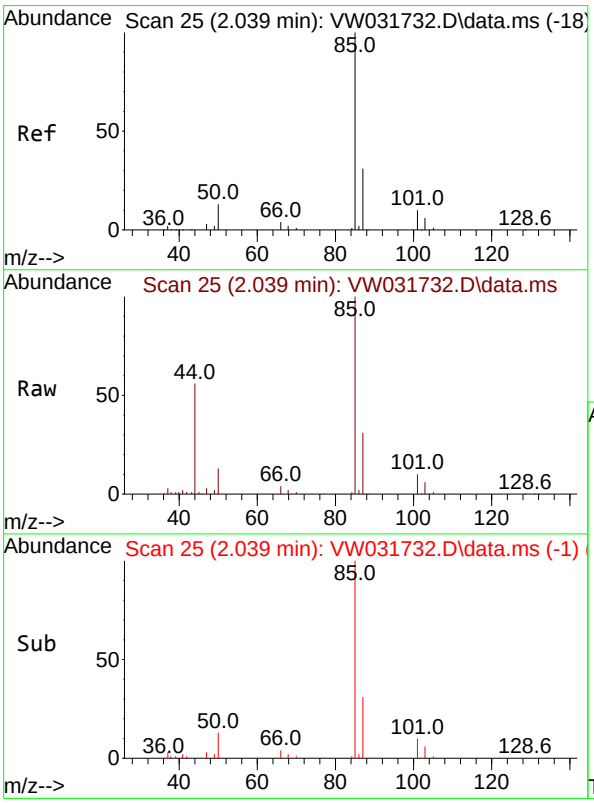
Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

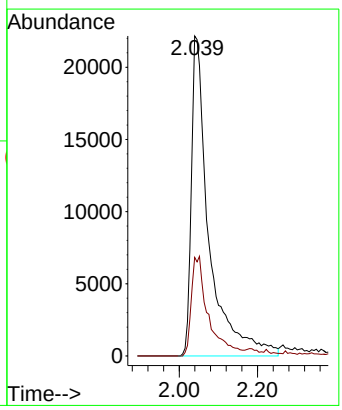
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

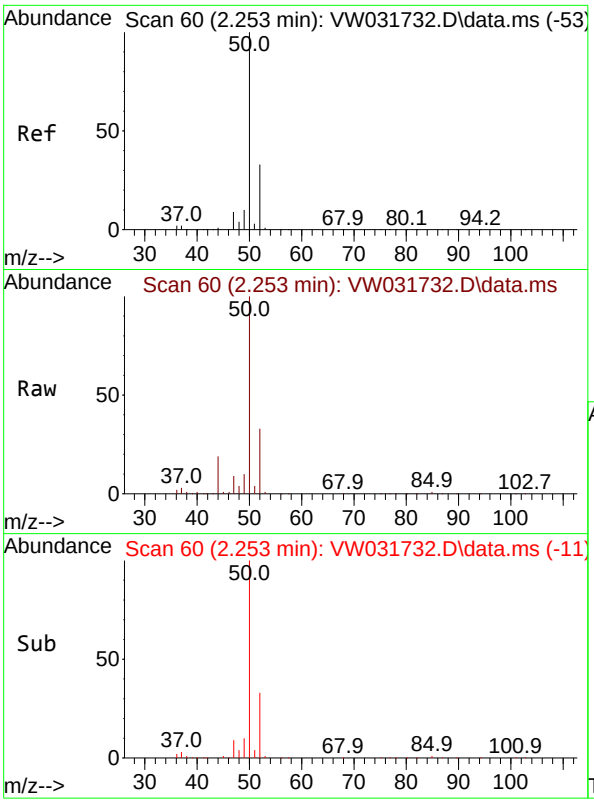


#2
Dichlorodifluoromethane
Concen: 45.539 ug/l
RT: 2.039 min Scan# 25
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 85 Resp: 69611

Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.4	46.2

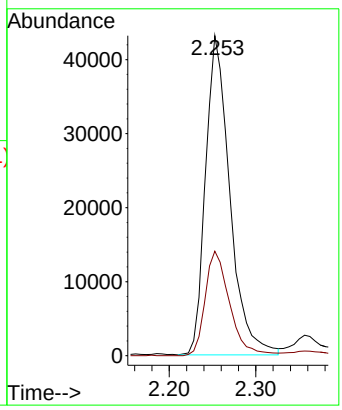




#3
Chloromethane
Concen: 45.719 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 50 Resp: 8425

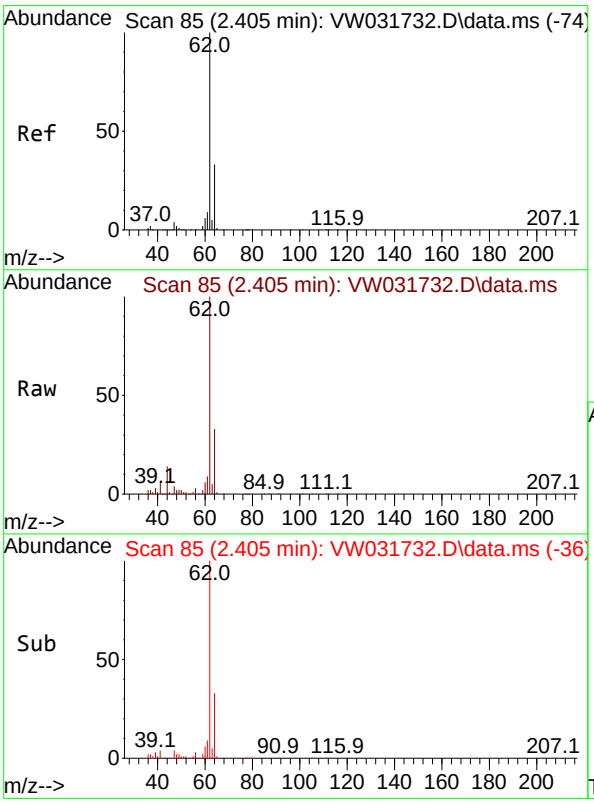
Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

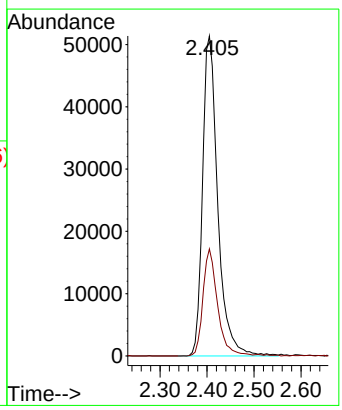
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

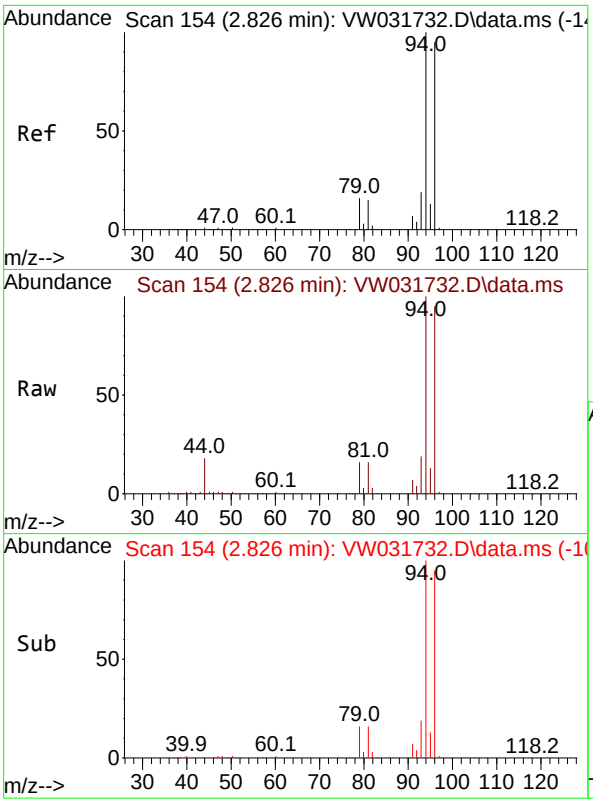


#4
Vinyl Chloride
Concen: 47.617 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 62 Resp: 115341

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.8	40.2

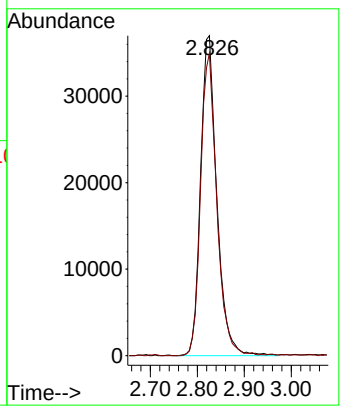




#5
Bromomethane
Concen: 46.990 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 94 Resp: 8890

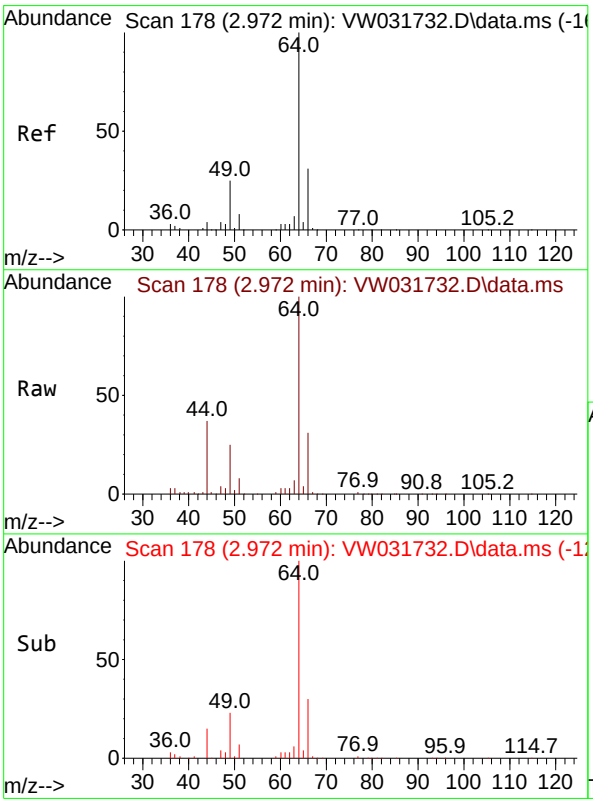
Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

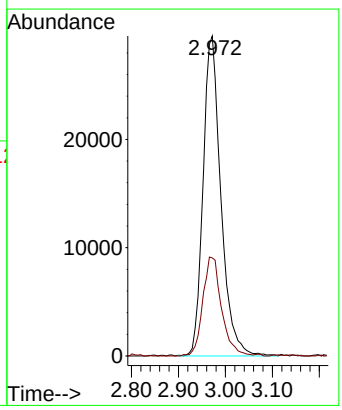
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

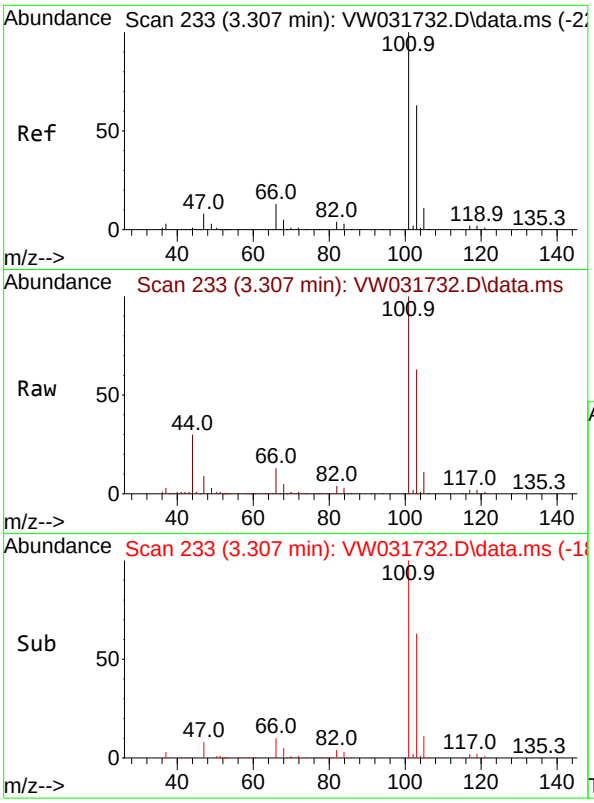


#6
Chloroethane
Concen: 47.303 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 64 Resp: 77830

Ion	Ratio	Lower	Upper
64	100		
66	30.6	24.5	36.7

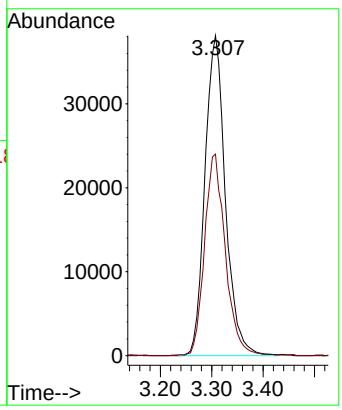




#7
Trichlorofluoromethane
Concen: 47.842 ug/l
RT: 3.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:101 Resp: 10524

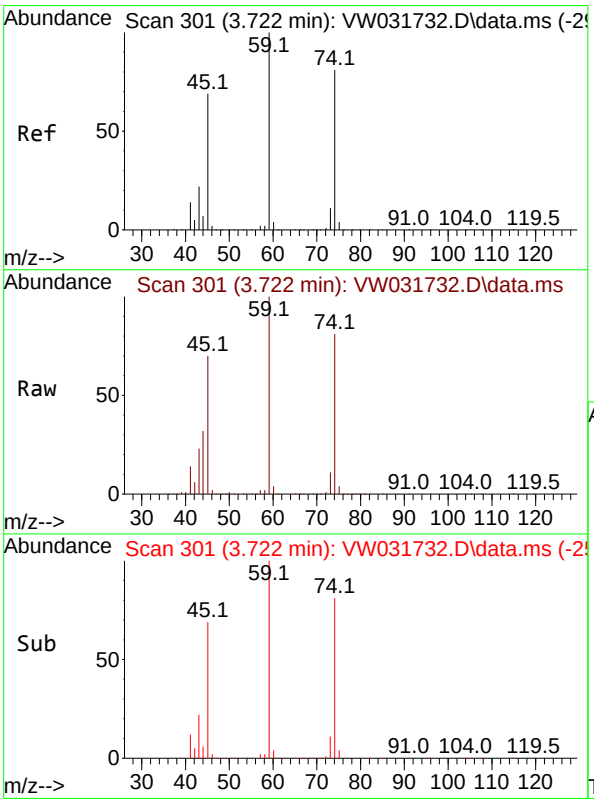
Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

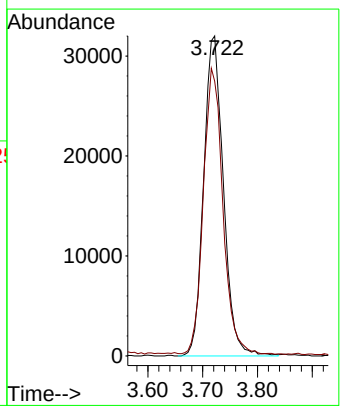
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

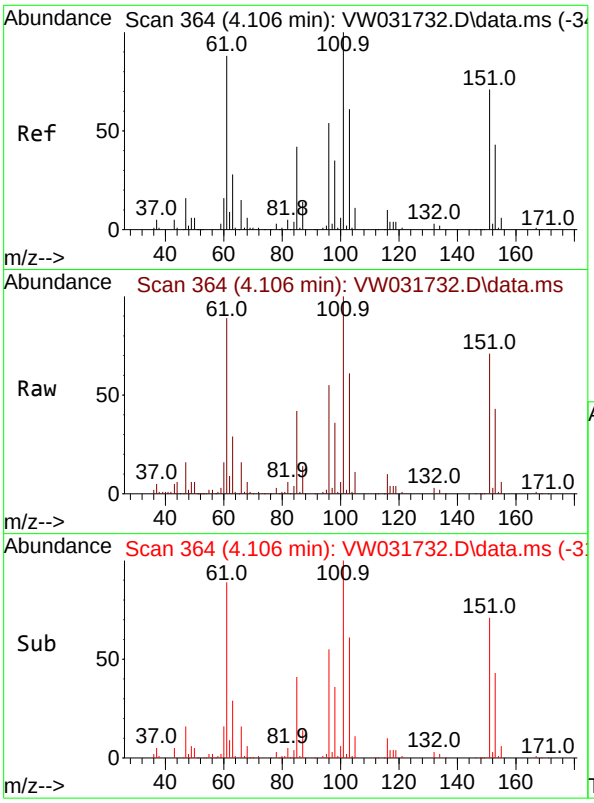


#8
Diethyl Ether
Concen: 47.778 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 74 Resp: 79864

Ion	Ratio	Lower	Upper
74	100		
45	87.8	43.9	131.7

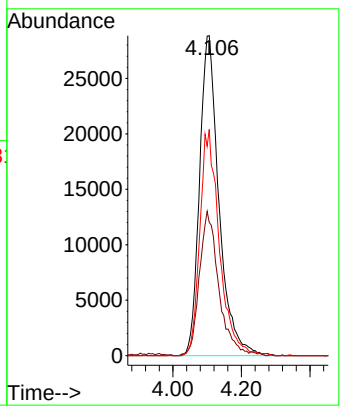




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.722 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:101 Resp: 11408

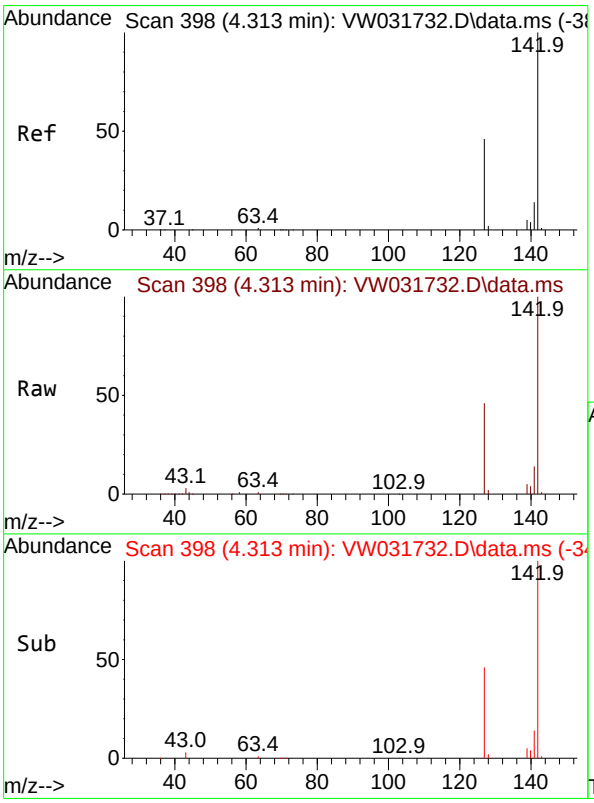
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.6	53.4
151	71.0	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

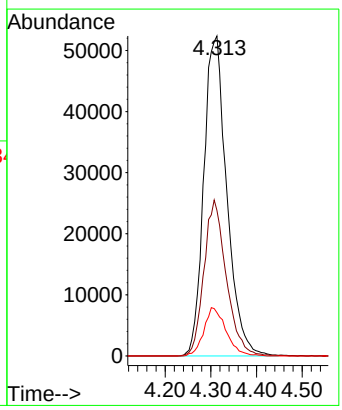
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

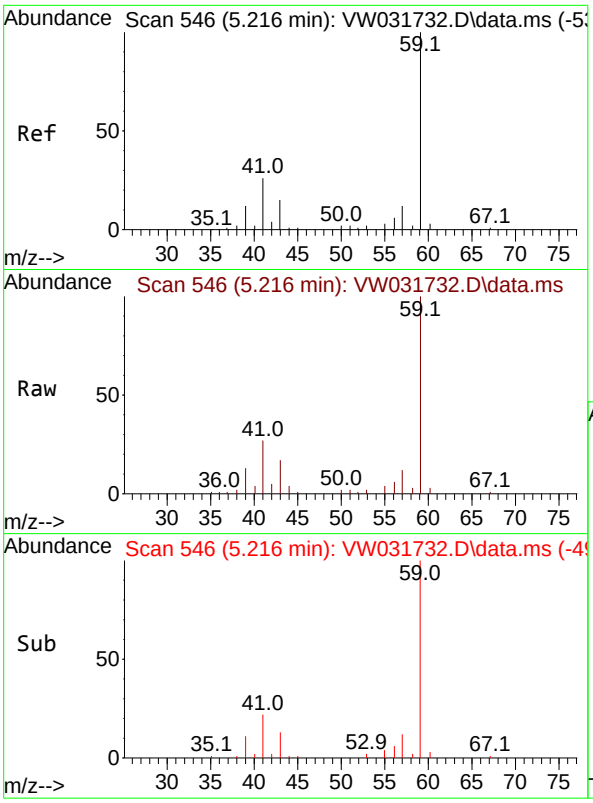


#10
Methyl Iodide
Concen: 48.636 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:142 Resp: 183075

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.9	56.9
141	14.6	11.7	17.5

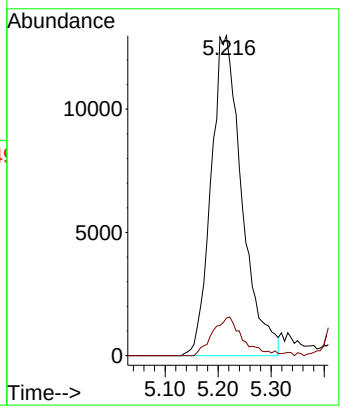




#11
Tert butyl alcohol
Concen: 262.624 ug/l
RT: 5.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 59 Resp: 5240

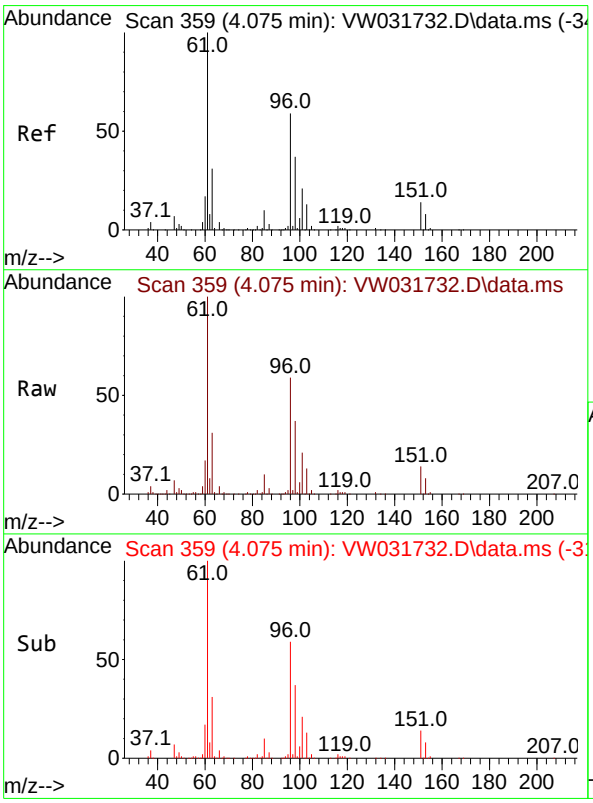
Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

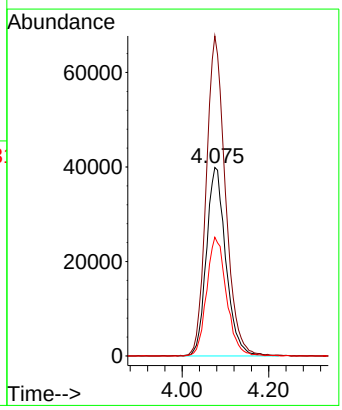
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

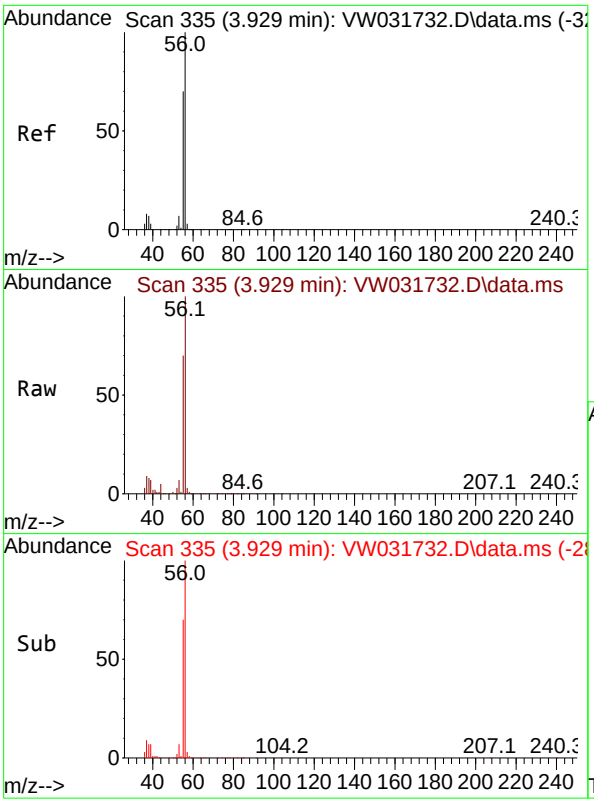


#12
1,1-Dichloroethene
Concen: 46.640 ug/l
RT: 4.075 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 96 Resp: 124737

Ion	Ratio	Lower	Upper
96	100		
61	169.8	135.8	203.8
98	63.0	50.4	75.6

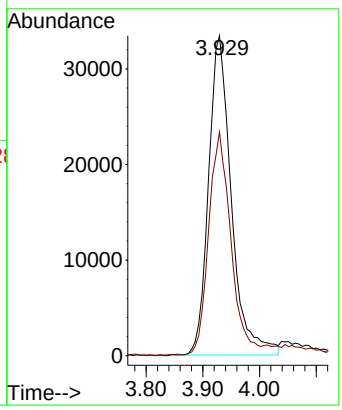




#13
Acrolein
Concen: 260.524 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 56 Resp: 9344

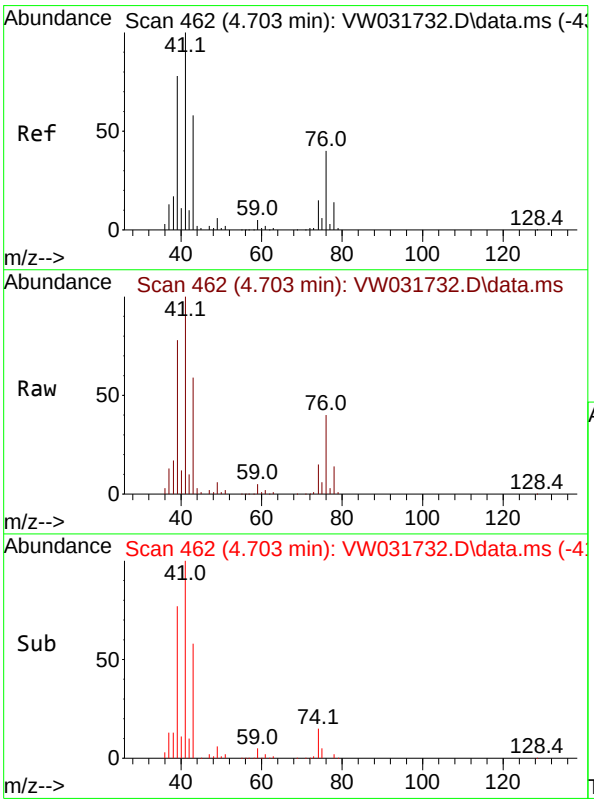
Ion	Ratio	Lower	Upper
56	100		
55	67.5	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

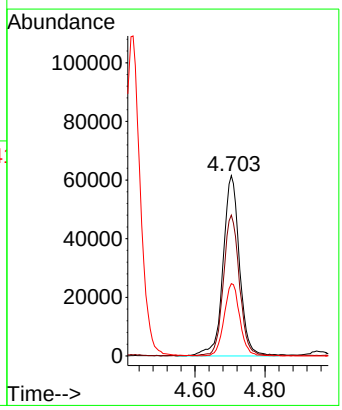
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

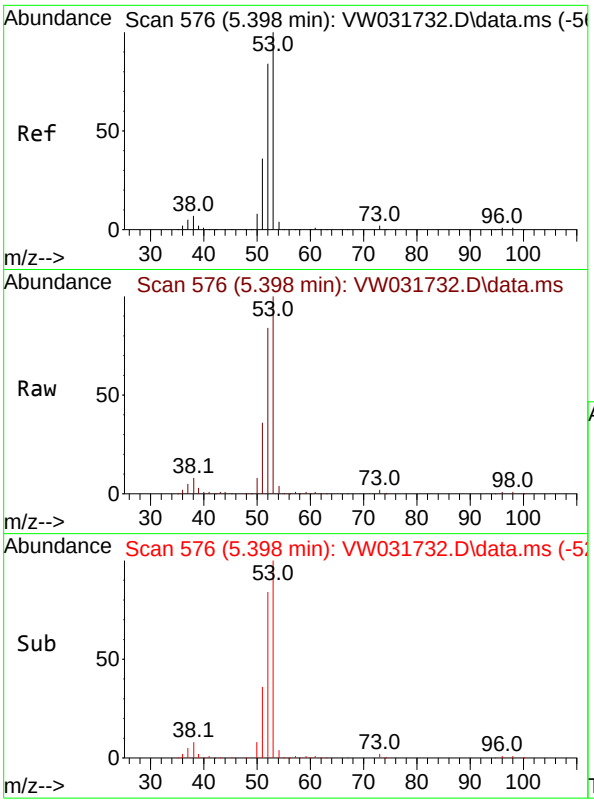


#14
Allyl chloride
Concen: 48.986 ug/l
RT: 4.703 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 201014

Ion	Ratio	Lower	Upper
41	100		
39	75.9	60.7	91.1
76	37.9	30.3	45.5

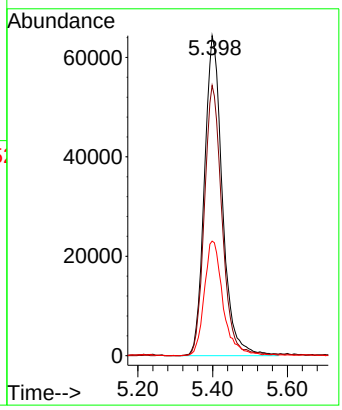




#15
Acrylonitrile
Concen: 261.033 ug/l
RT: 5.398 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 53 Resp: 21457

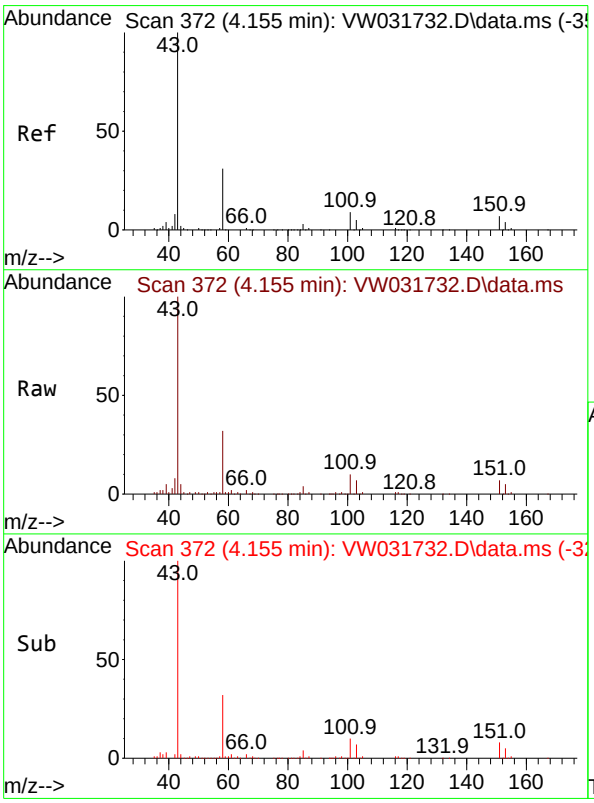
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.4	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

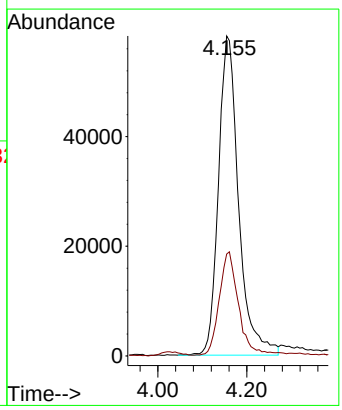
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

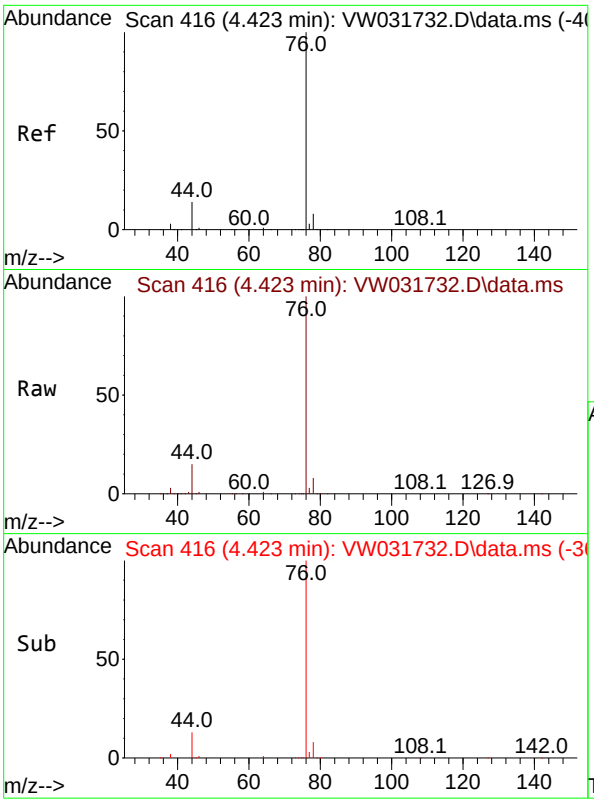


#16
Acetone
Concen: 228.296 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 182890

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2





#17
Carbon Disulfide
Concen: 48.188 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

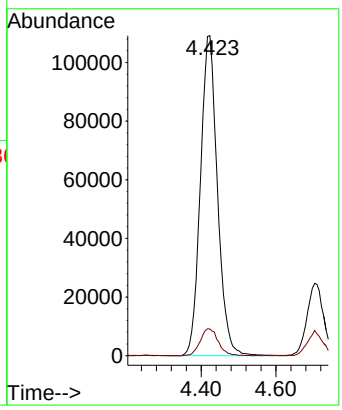
Tgt Ion: 76 Resp: 34486

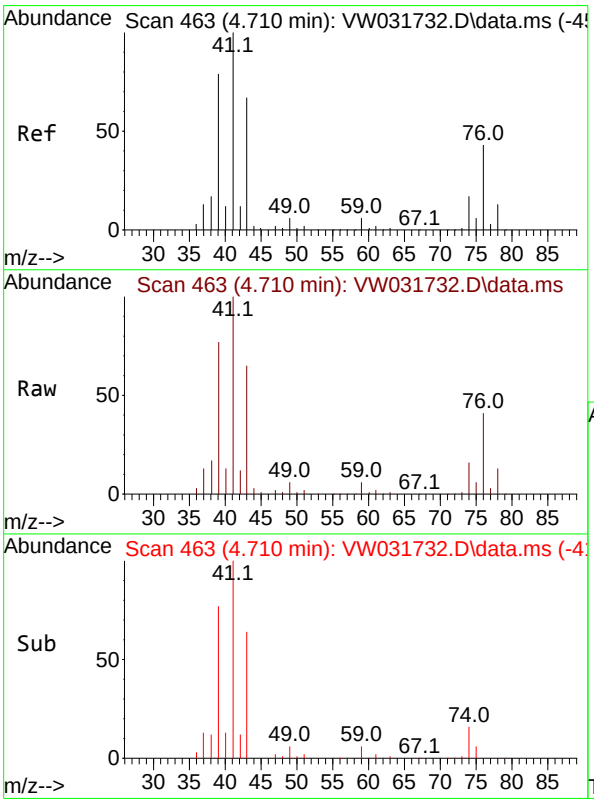
Ion	Ratio	Lower	Upper
76	100		
78	8.3	6.6	10.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

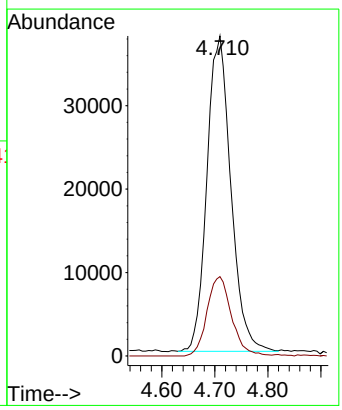


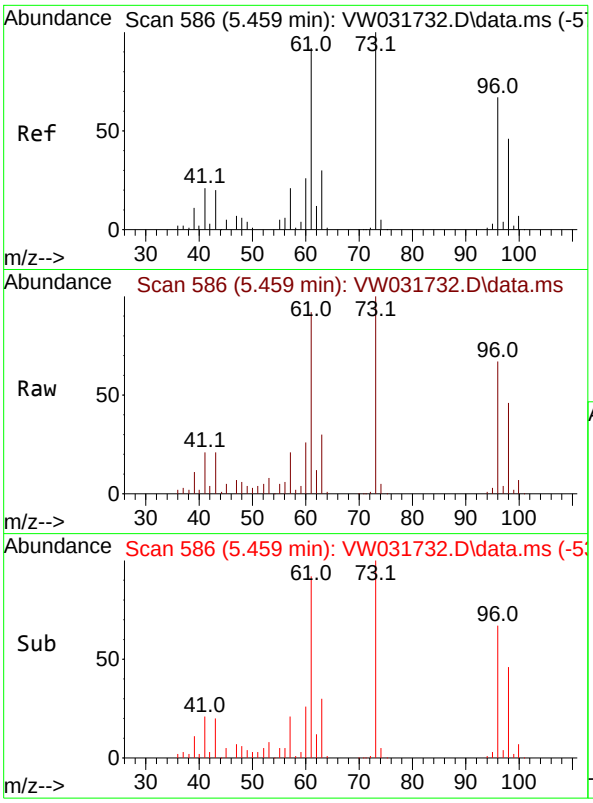


#18
Methyl Acetate
Concen: 52.118 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 118590

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	30.8

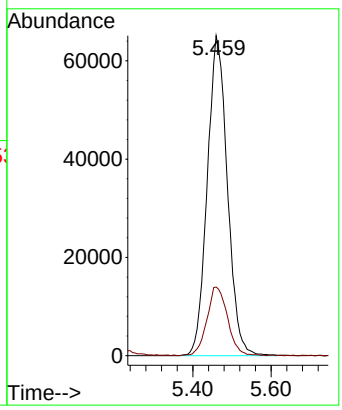




#19
Methyl tert-butyl Ether
Concen: 51.082 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 73 Resp: 23188

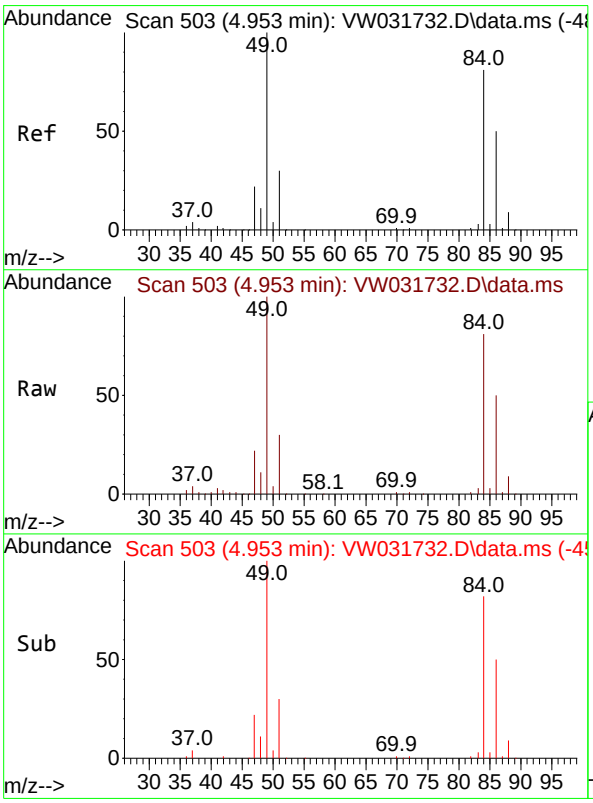
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

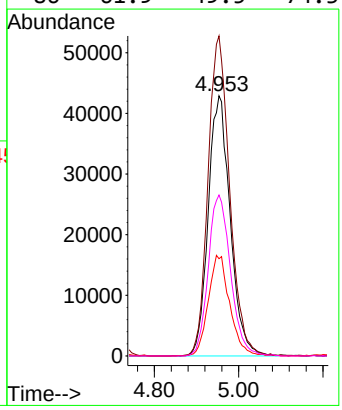
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

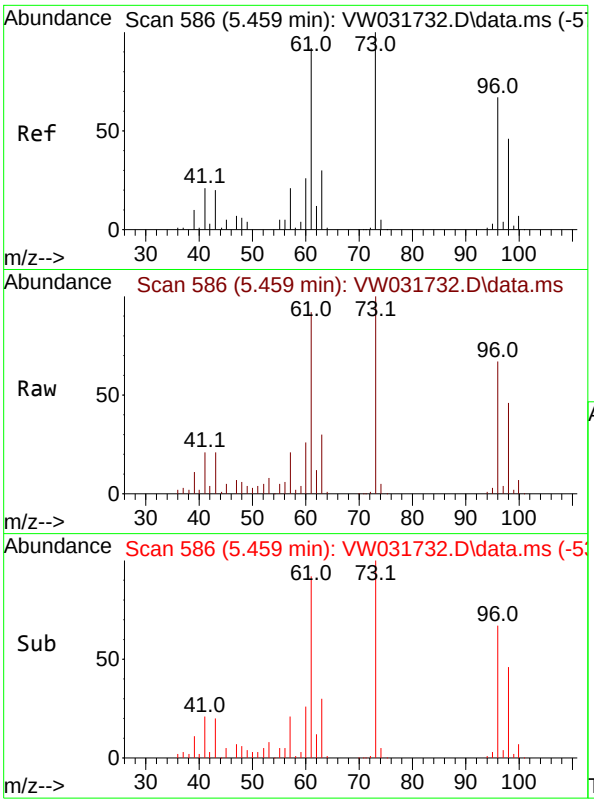


#20
Methylene Chloride
Concen: 48.806 ug/l
RT: 4.953 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 84 Resp: 155350

Ion	Ratio	Lower	Upper
84	100		
49	122.8	98.2	147.4
51	37.3	29.8	44.8
86	61.9	49.5	74.3

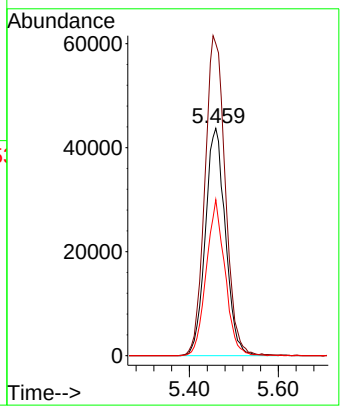




#21
trans-1,2-Dichloroethene
Concen: 48.382 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 96 Resp: 13749

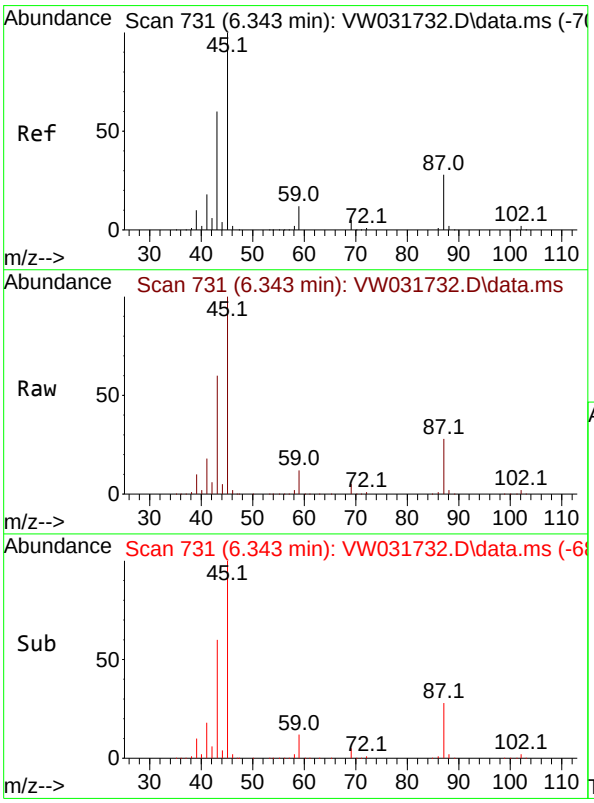
Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.8	164.6
98	68.6	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

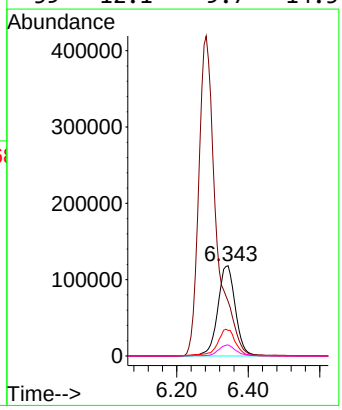
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

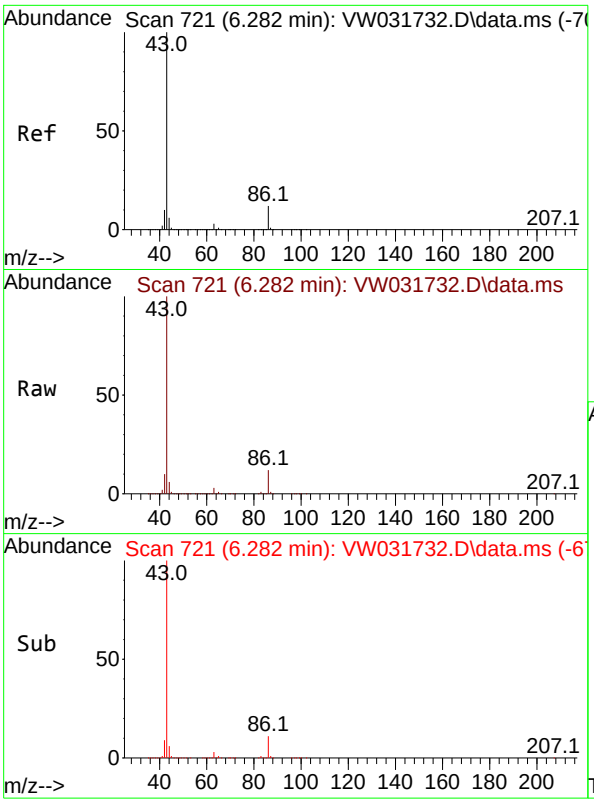


#22
Diisopropyl ether
Concen: 50.335 ug/l
RT: 6.343 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 45 Resp: 402830

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.3	22.6	34.0
59	12.1	9.7	14.5

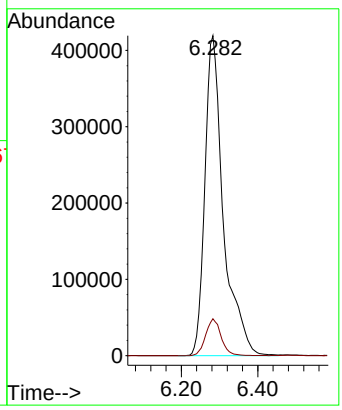




#23
Vinyl Acetate
Concen: 257.896 ug/l
RT: 6.282 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 140976

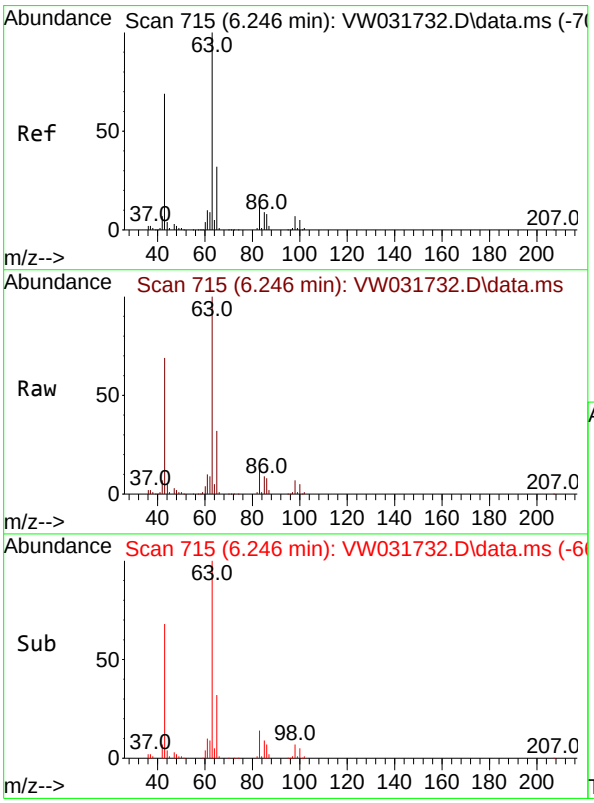
Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

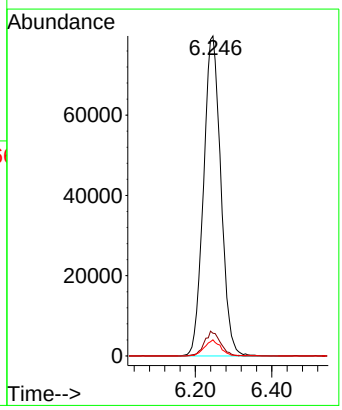
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

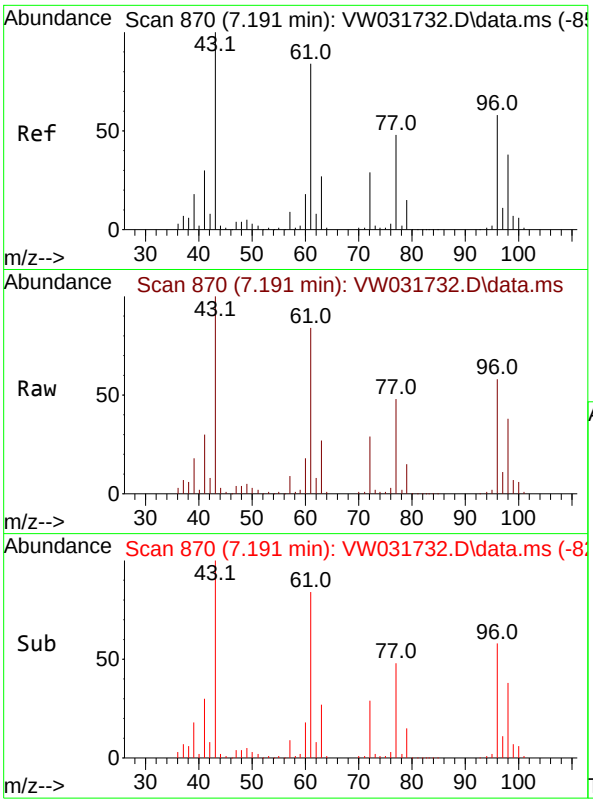


#24
1,1-Dichloroethane
Concen: 48.257 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 250386

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	5.0	2.5	7.5





#25
2-Butanone
Concen: 269.438 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

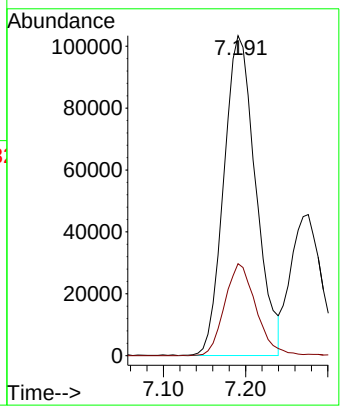
Tgt Ion: 43 Resp: 27908

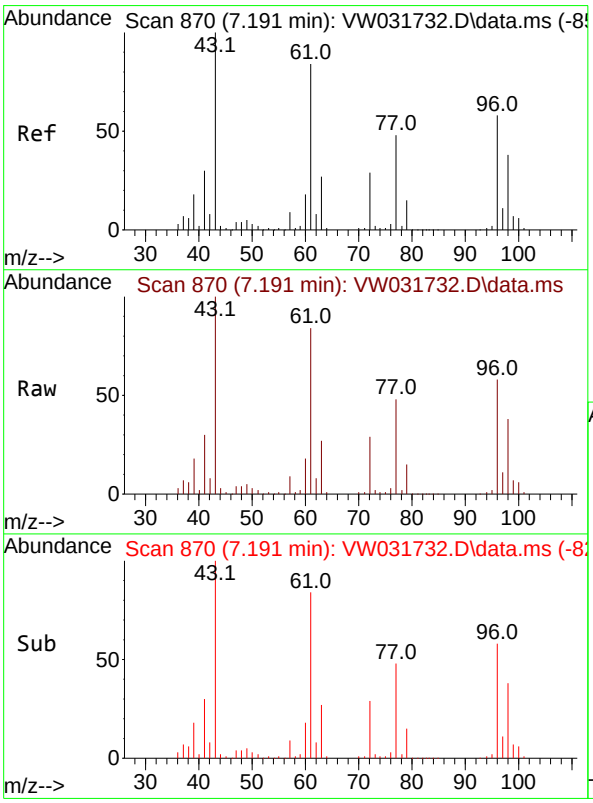
Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

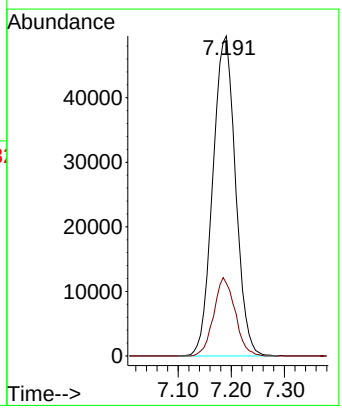


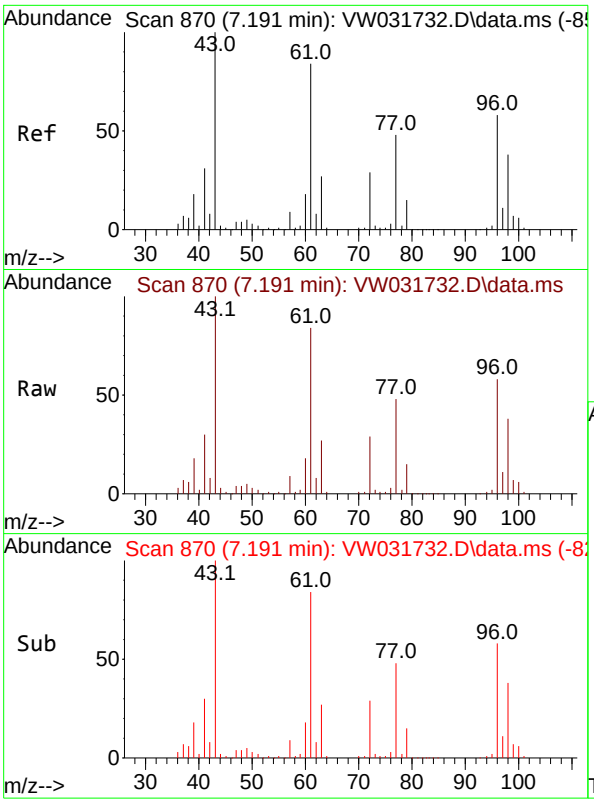


#26
2,2-Dichloropropane
Concen: 48.691 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 77 Resp: 147400

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7

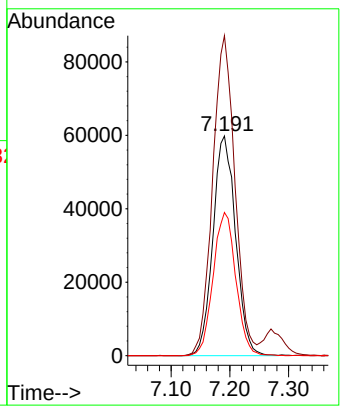




#27
cis-1,2-Dichloroethene
Concen: 49.190 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 96 Resp: 16068

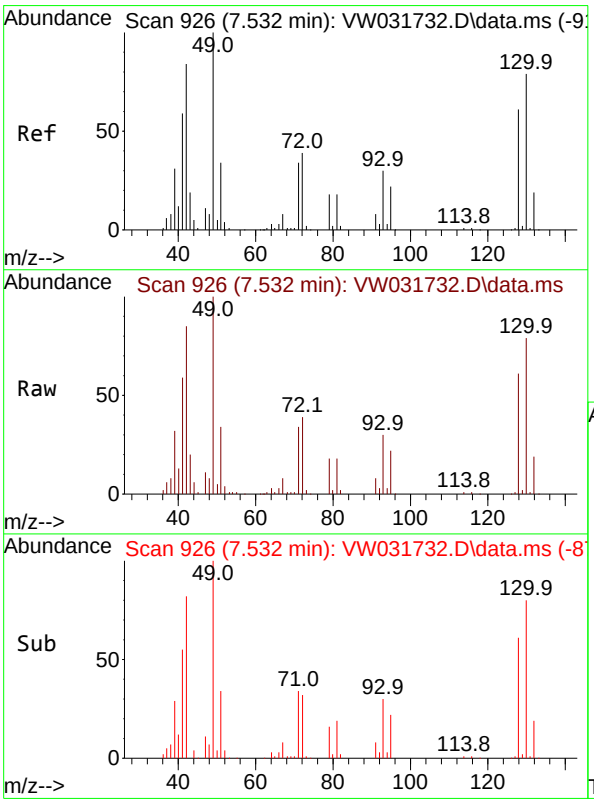
Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	286.8
98	65.2	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

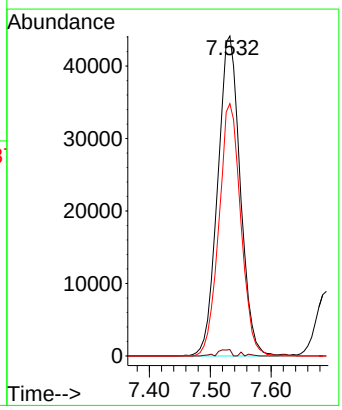
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

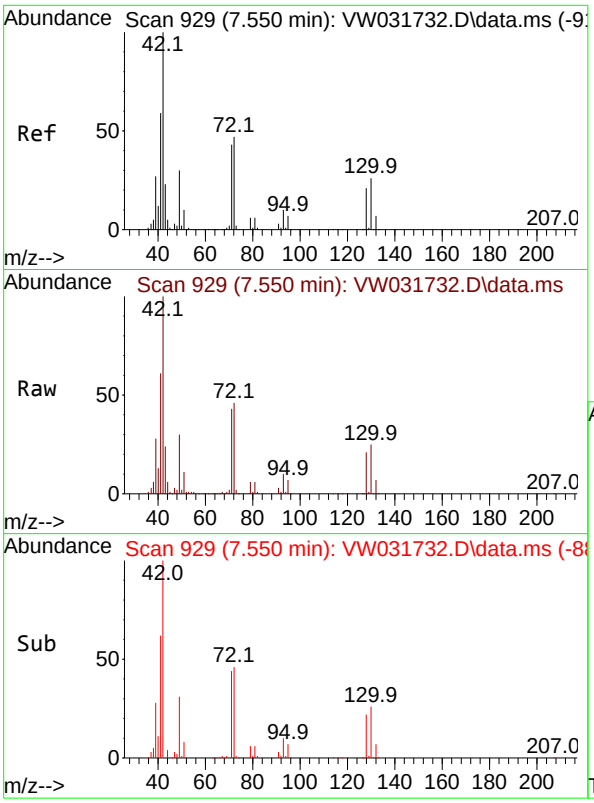


#28
Bromochloromethane
Concen: 49.435 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 49 Resp: 113190

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	76.6	61.3	91.9

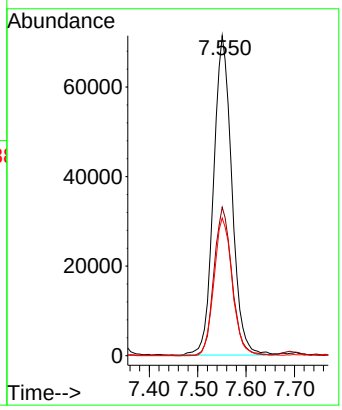




#29
Tetrahydrofuran
Concen: 265.287 ug/l
RT: 7.550 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 42 Resp: 18817

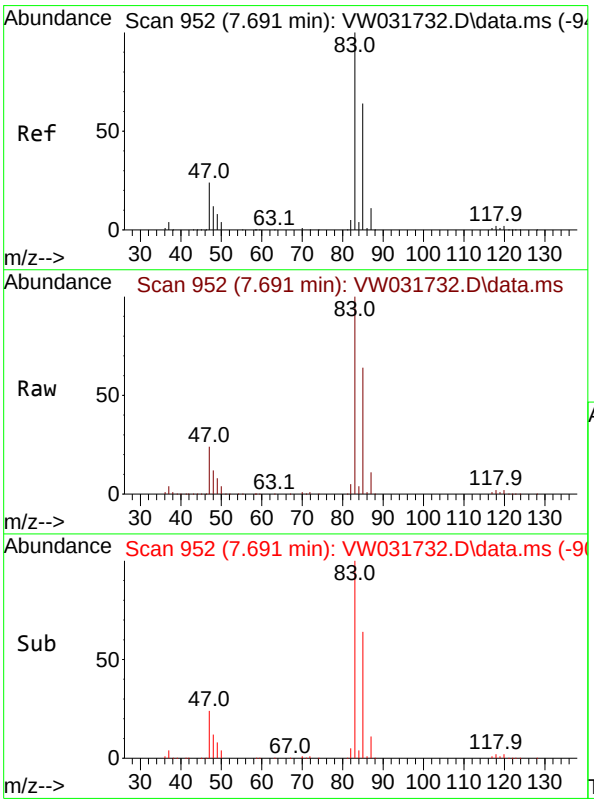
Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.8	55.2
71	43.3	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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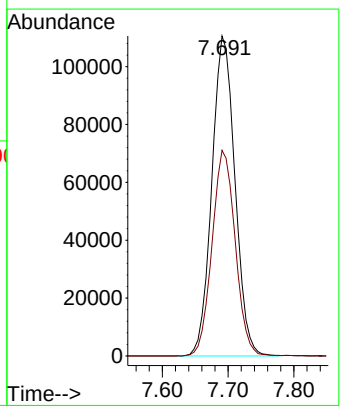
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

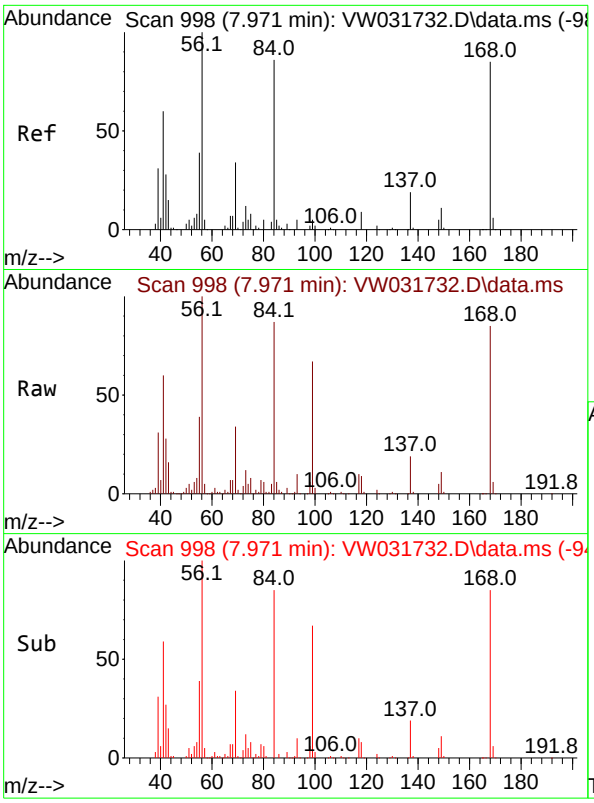


#30
Chloroform
Concen: 49.023 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 83 Resp: 270281

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0

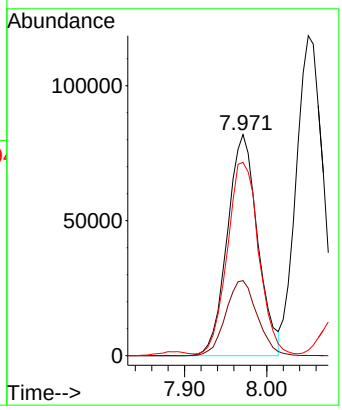




#31
Cyclohexane
Concen: 45.861 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 56 Resp: 21033

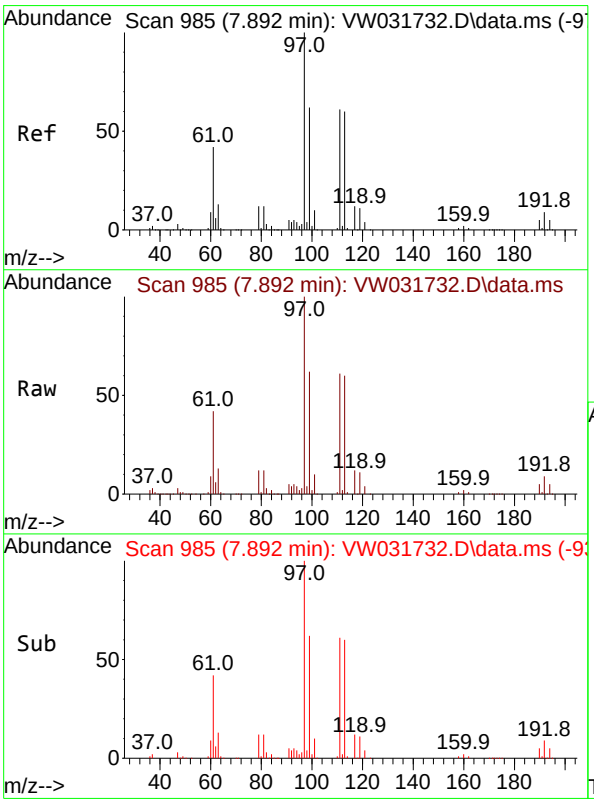
Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	85.6	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

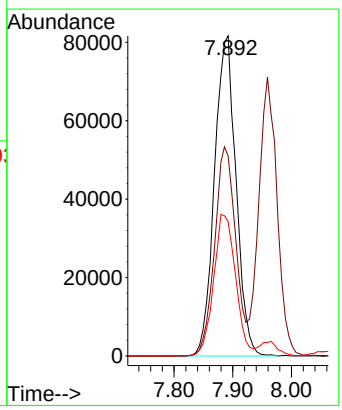
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

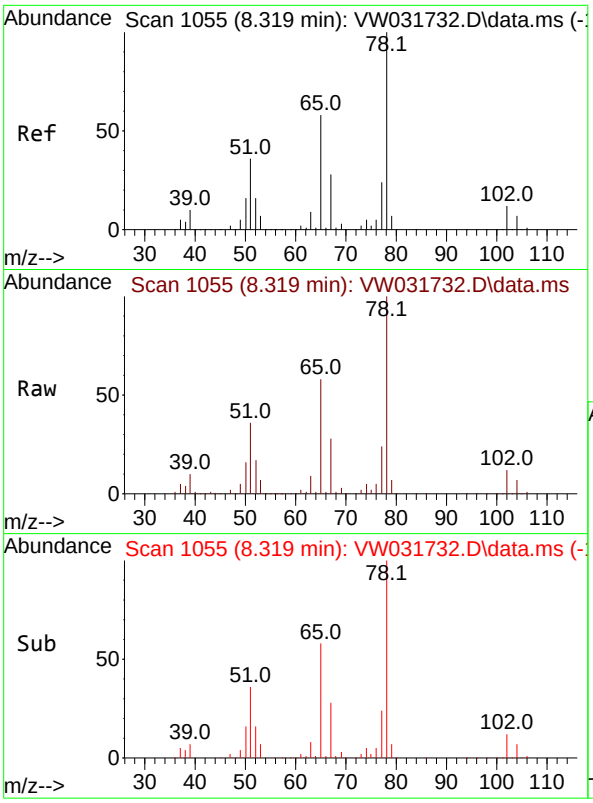


#32
1,1,1-Trichloroethane
Concen: 48.890 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 97 Resp: 207721

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.0	36.0	54.0

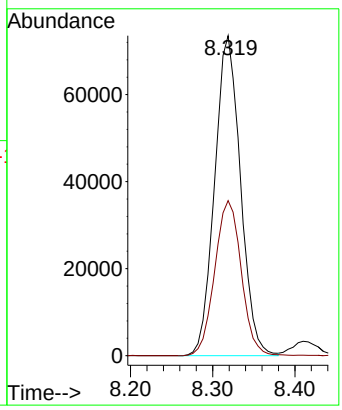




#33
1,2-Dichloroethane-d4
Concen: 49.813 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 65 Resp: 16045

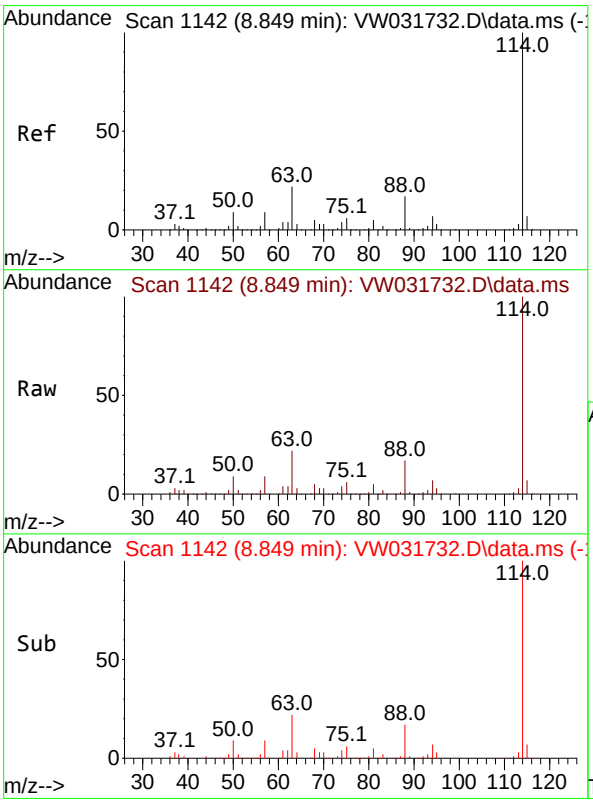
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

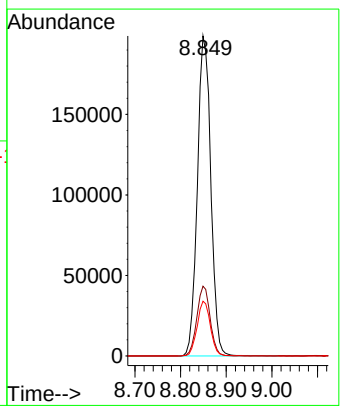
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

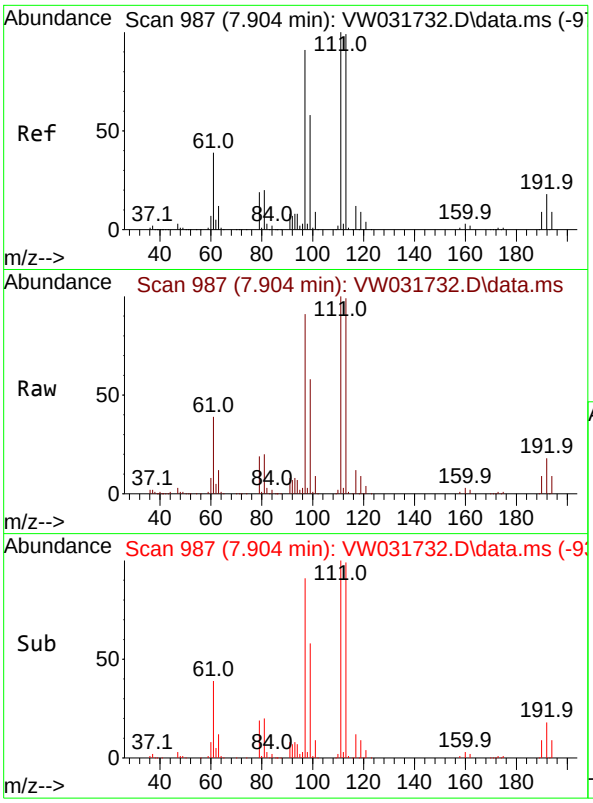


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:114 Resp: 404902

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.6
88	17.1	0.0	34.2

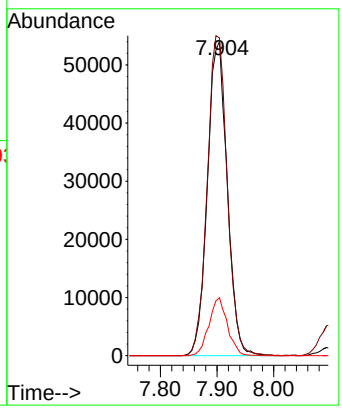




#35
Dibromofluoromethane
Concen: 49.622 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:113 Resp: 13110

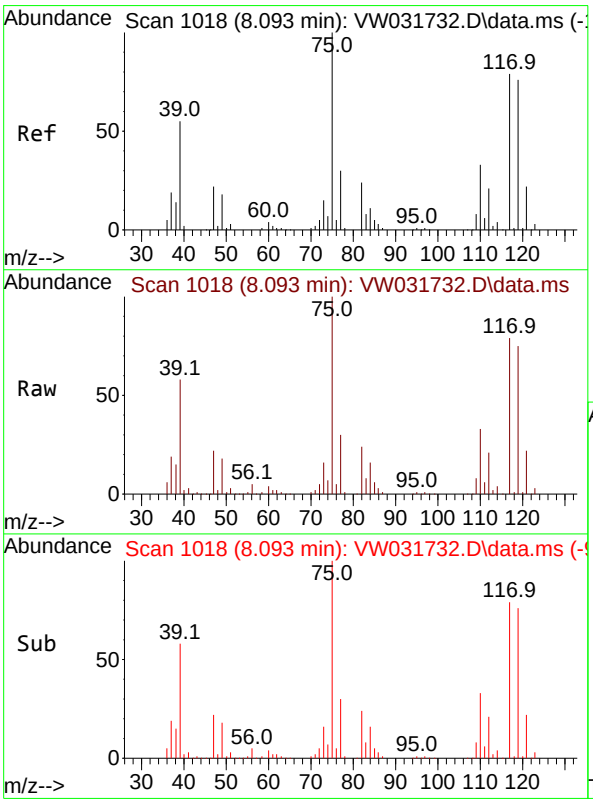
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	17.2	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

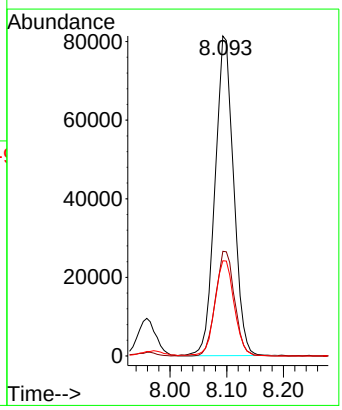
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

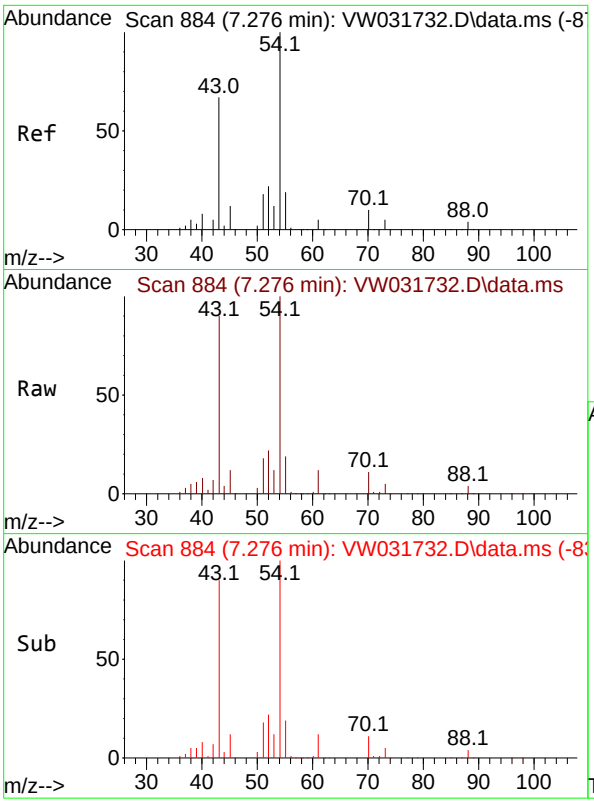


#36
1,1-Dichloropropene
Concen: 48.296 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 184651

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.3	25.0	37.6

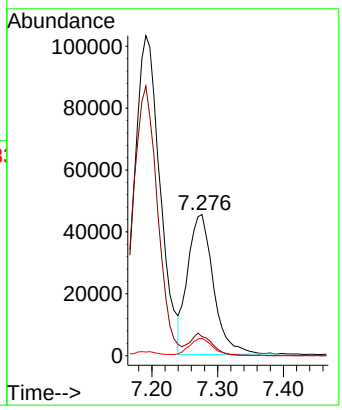




#37
Ethyl Acetate
Concen: 50.805 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 12253

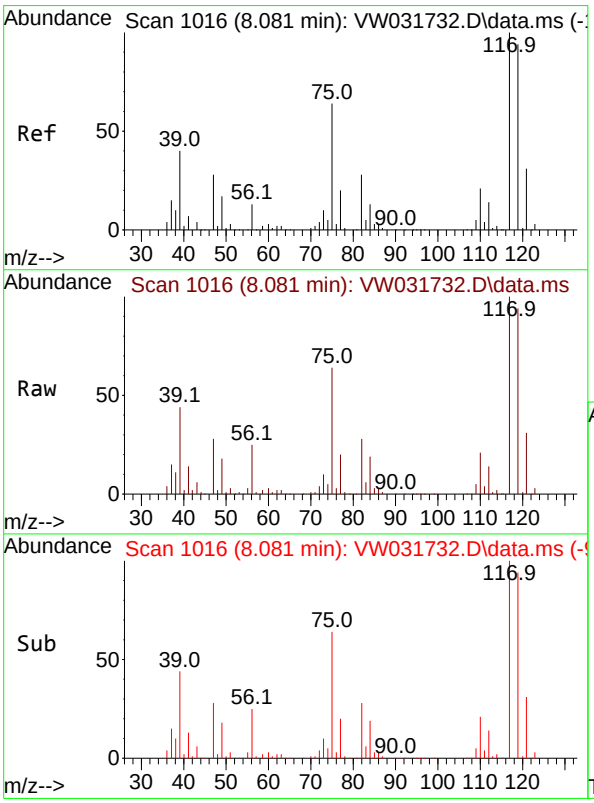
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	11.5	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

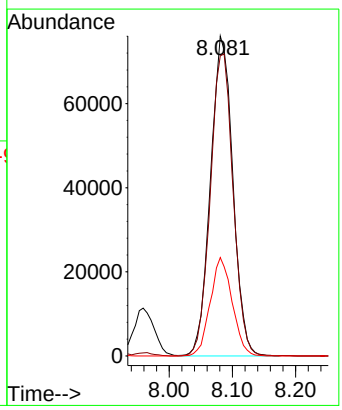
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

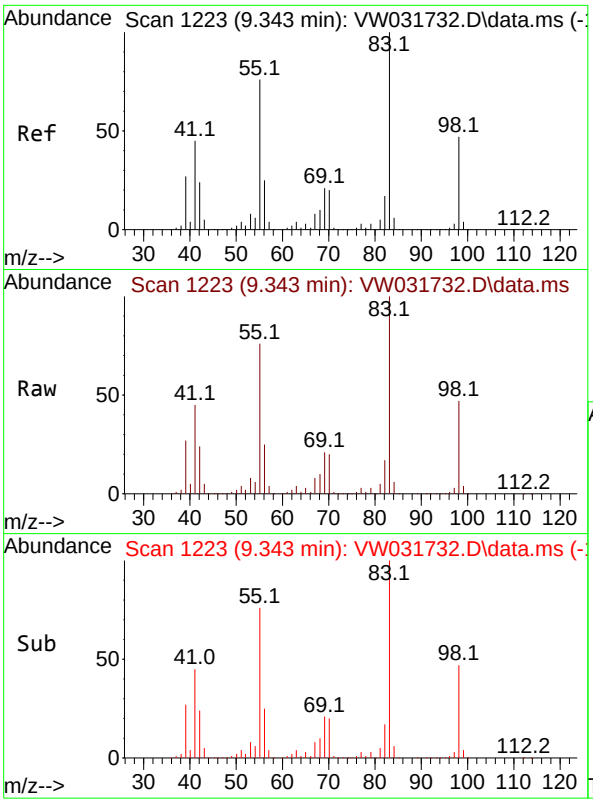


#38
Carbon Tetrachloride
Concen: 47.949 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 186814

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	30.8	24.6	37.0

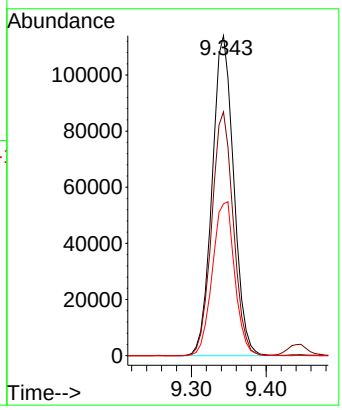




#39
Methylcyclohexane
Concen: 48.175 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 83 Resp: 22916

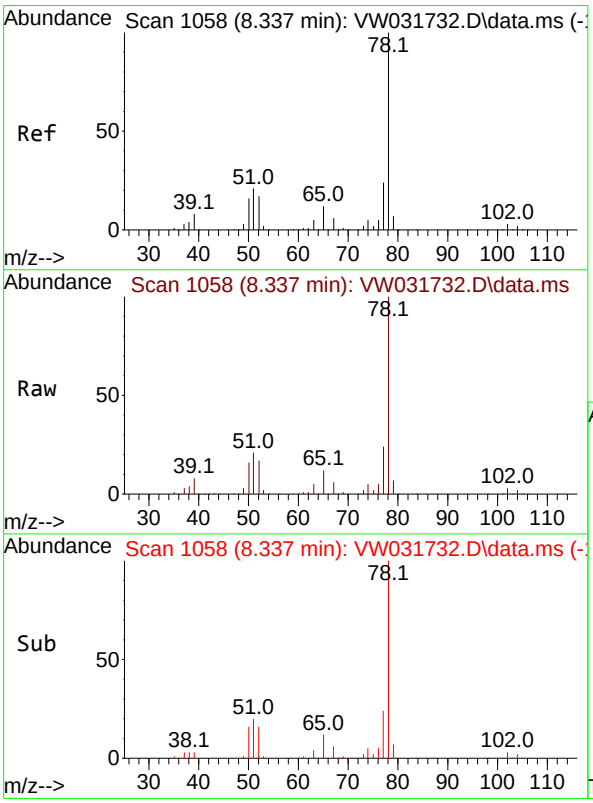
Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	47.4	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

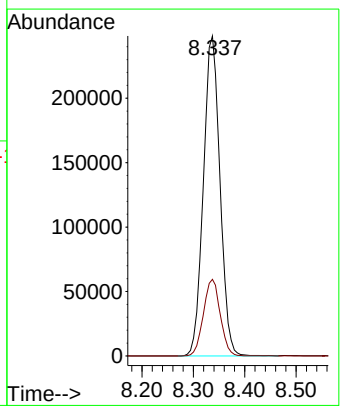
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

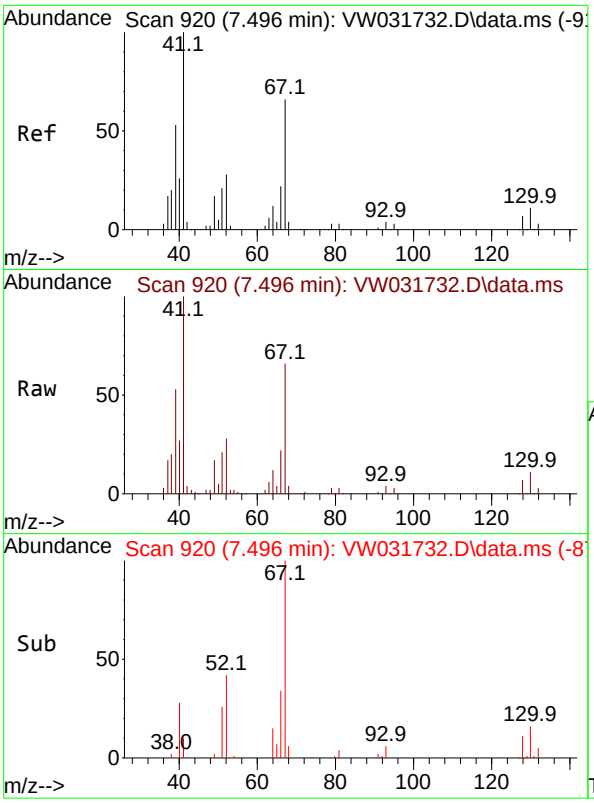


#40
Benzene
Concen: 49.213 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 78 Resp: 556688

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

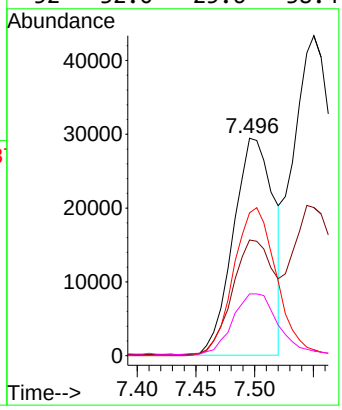




#41
Methacrylonitrile
Concen: 54.633 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 7058

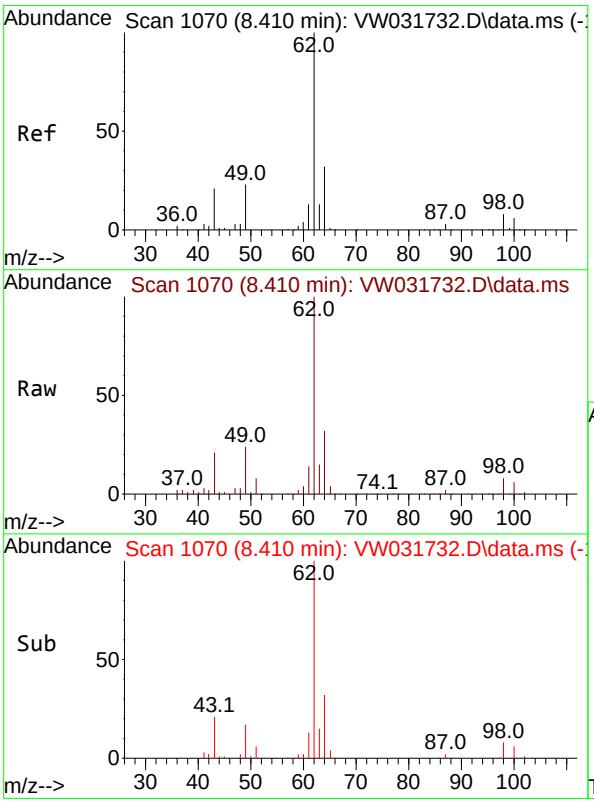
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.2	64.8
67	72.6	58.1	87.1
52	32.0	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

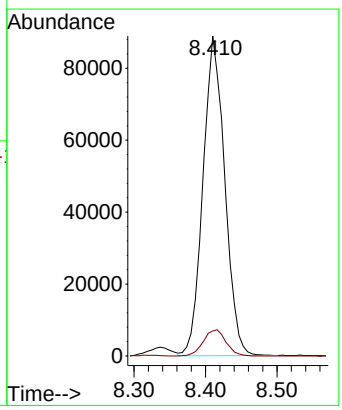
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

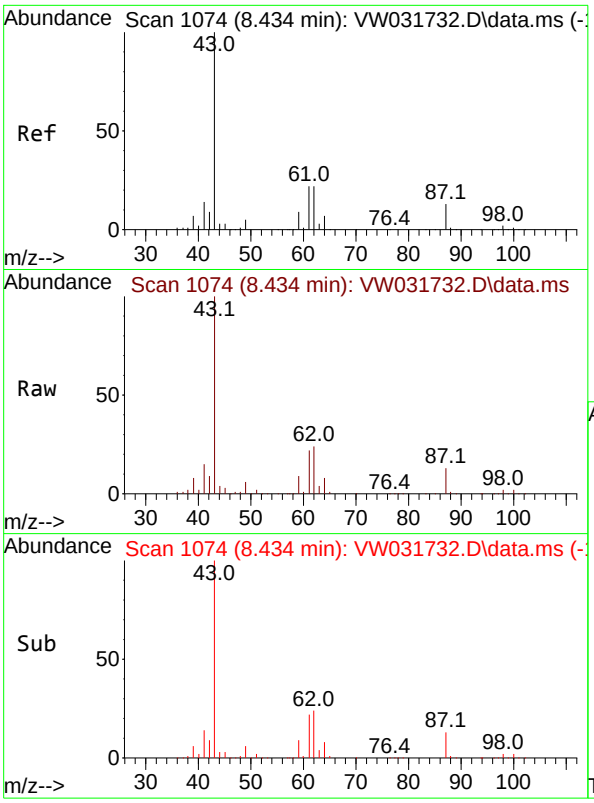


#42
1,2-Dichloroethane
Concen: 49.111 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 62 Resp: 187709

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2

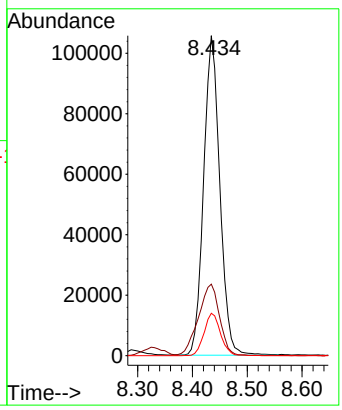




#43
Isopropyl Acetate
Concen: 52.141 ug/l
RT: 8.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 21677

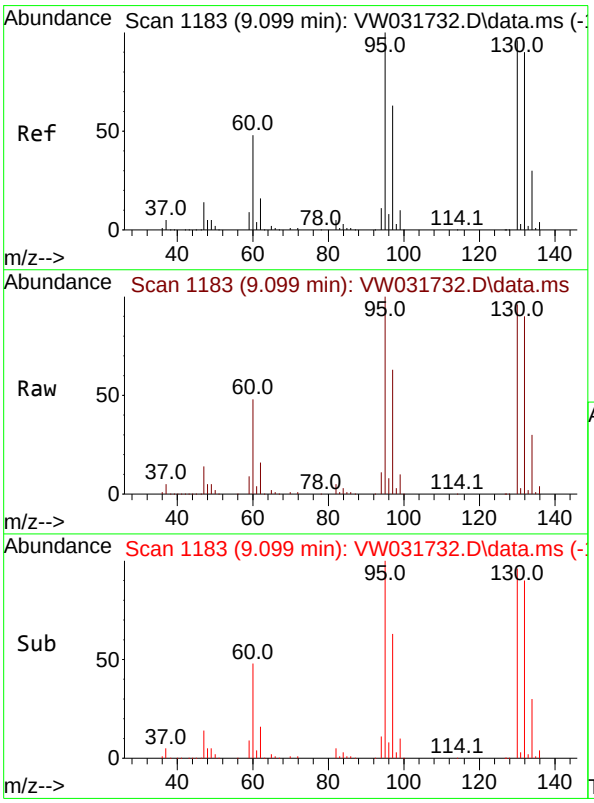
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.5	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

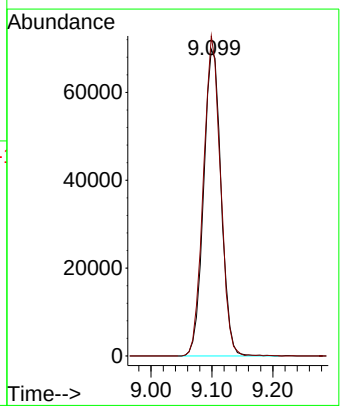
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

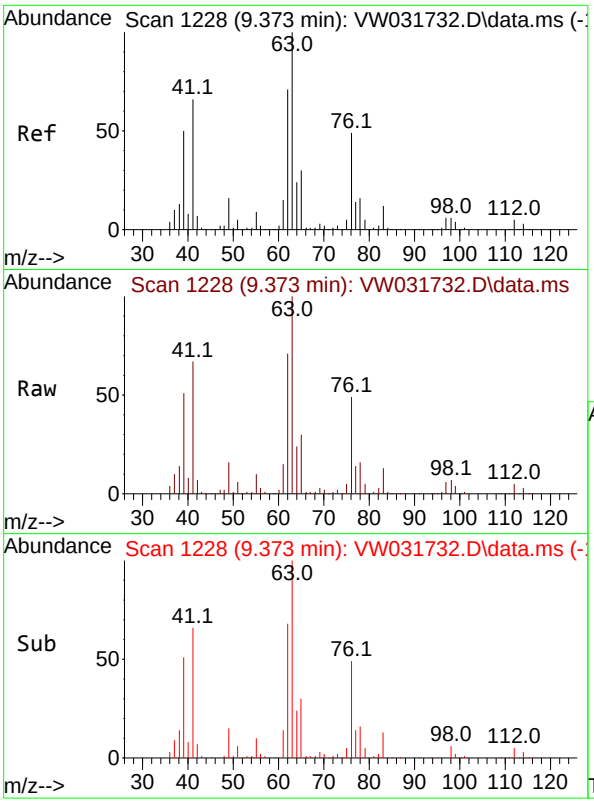


#44
Trichloroethene
Concen: 49.275 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:130 Resp: 139117

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	208.6

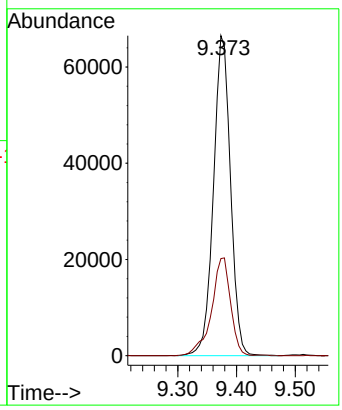




#45
1,2-Dichloropropane
Concen: 49.040 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 13407

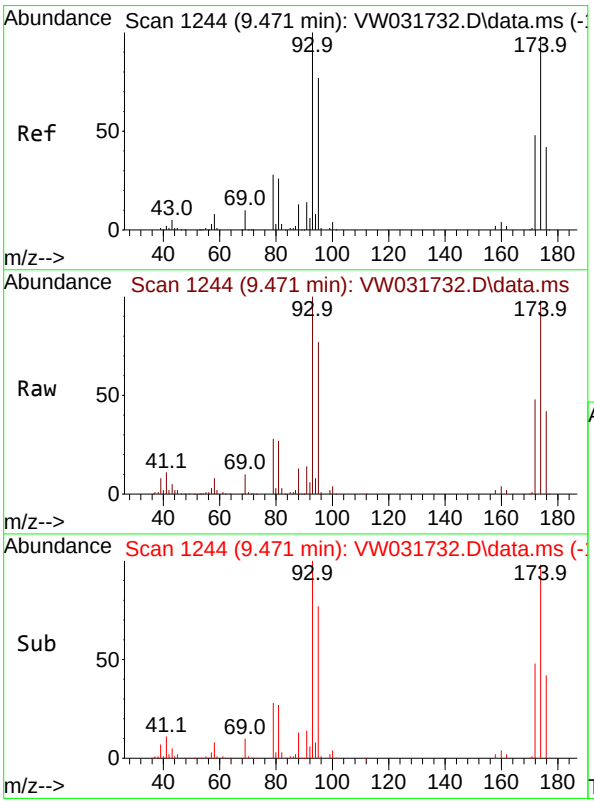
Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

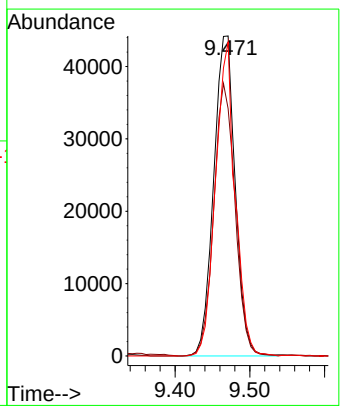
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

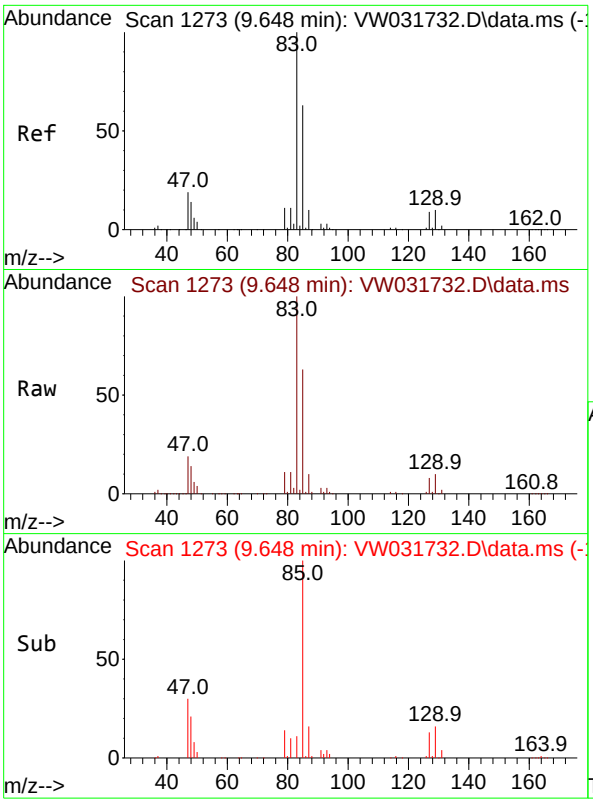


#46
Dibromomethane
Concen: 50.266 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 93 Resp: 88721

Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	89.6	71.7	107.5

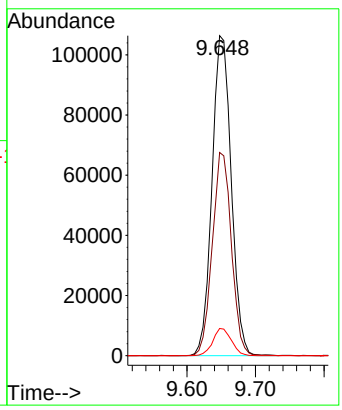




#47
Bromodichloromethane
Concen: 50.013 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 83 Resp: 20700

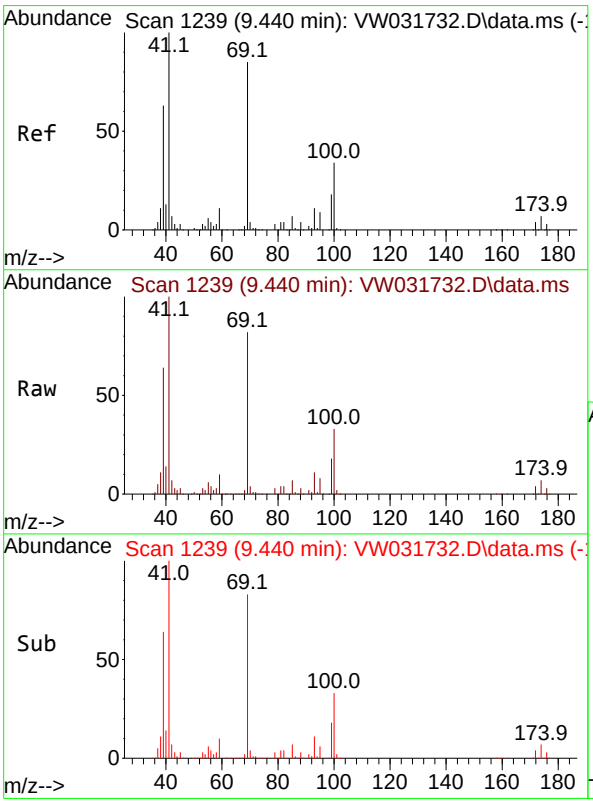
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.5	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

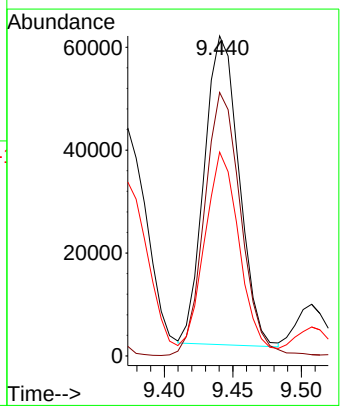
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

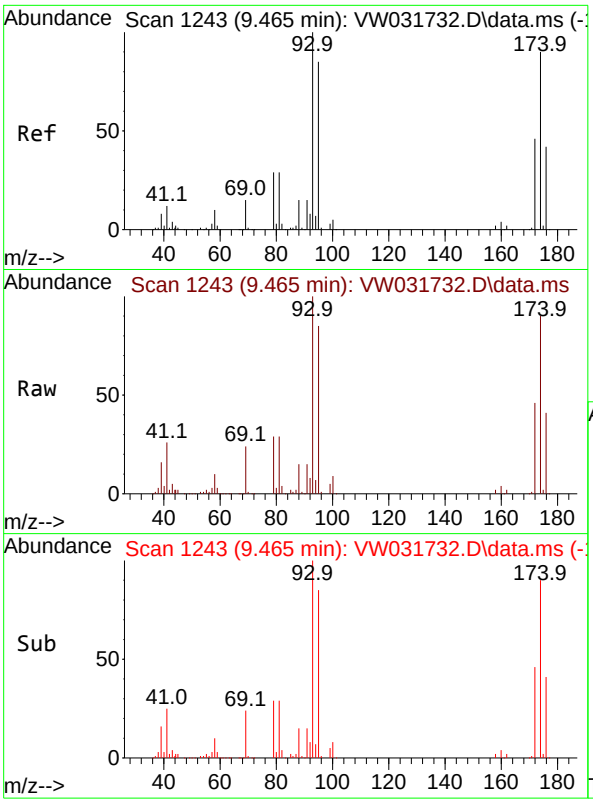


#48
Methyl methacrylate
Concen: 51.725 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 105740

Ion	Ratio	Lower	Upper
41	100		
69	89.5	71.6	107.4
39	61.9	49.5	74.3

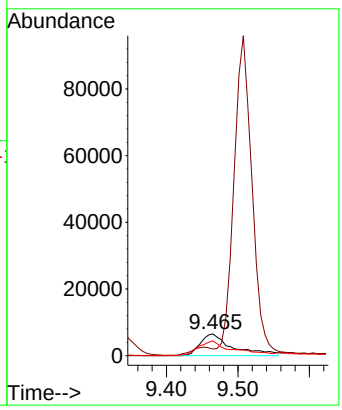




#49
1,4-Dioxane
Concen: 1100.195 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 88 Resp: 2067

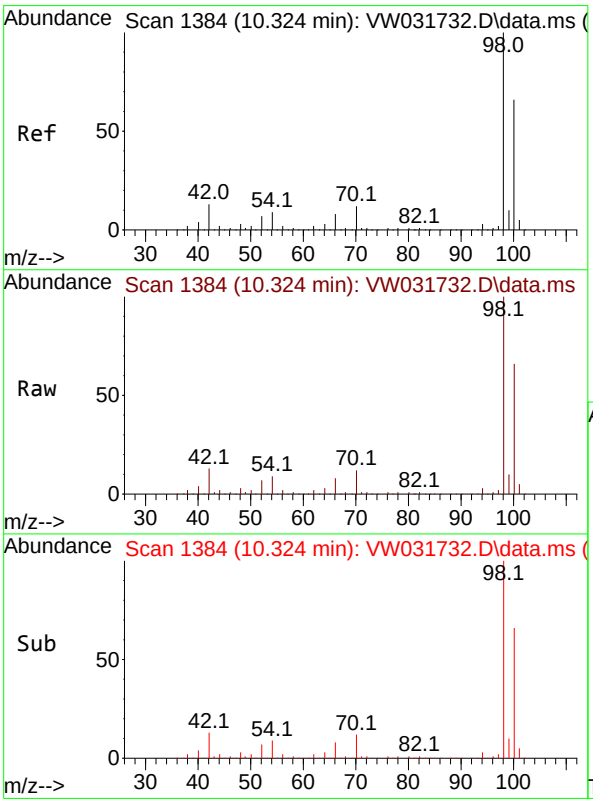
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.9	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

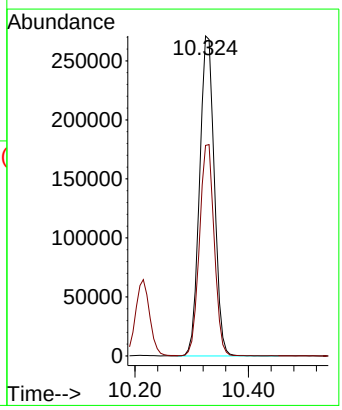
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

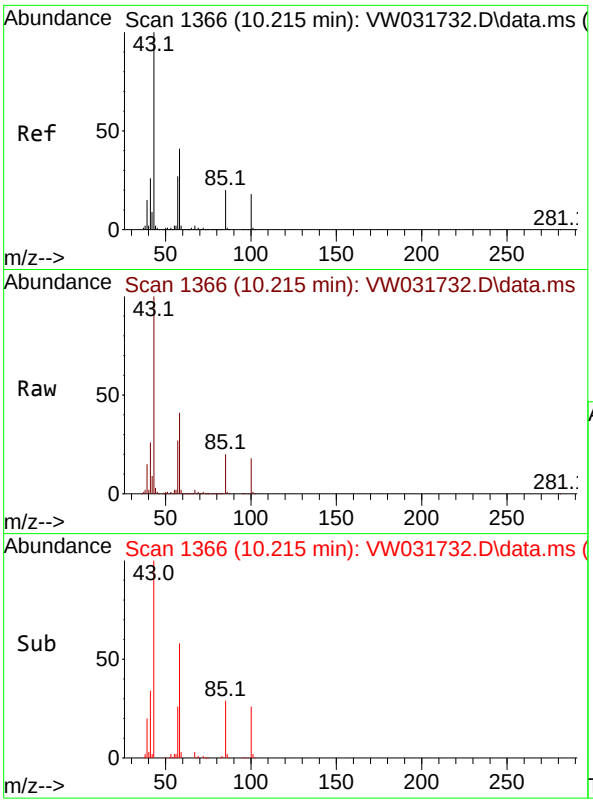


#50
Toluene-d8
Concen: 49.762 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 98 Resp: 489286

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

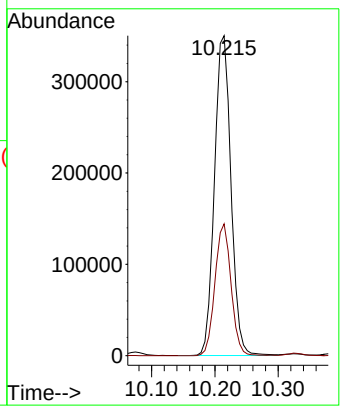




#51
4-Methyl-2-Pentanone
Concen: 264.876 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 63310

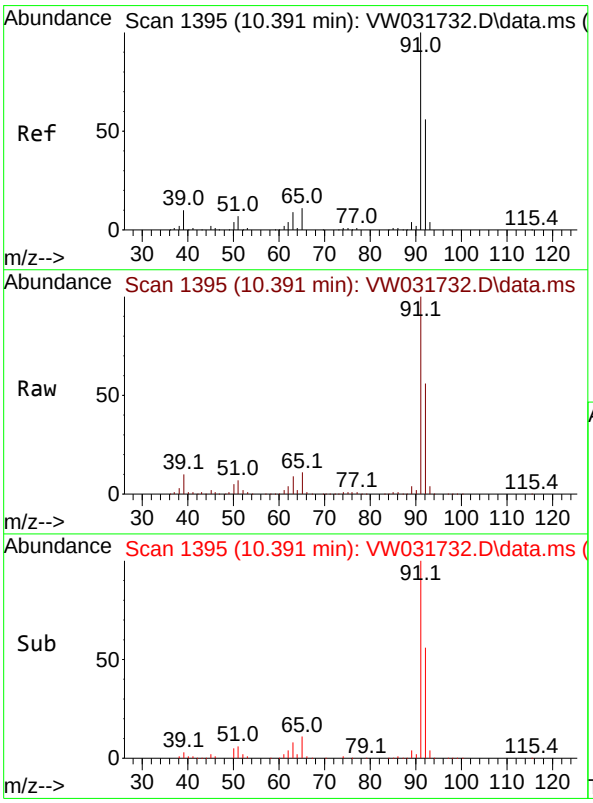
Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

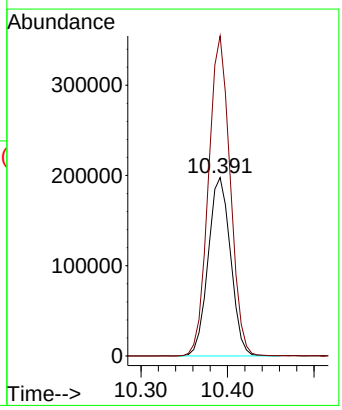
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

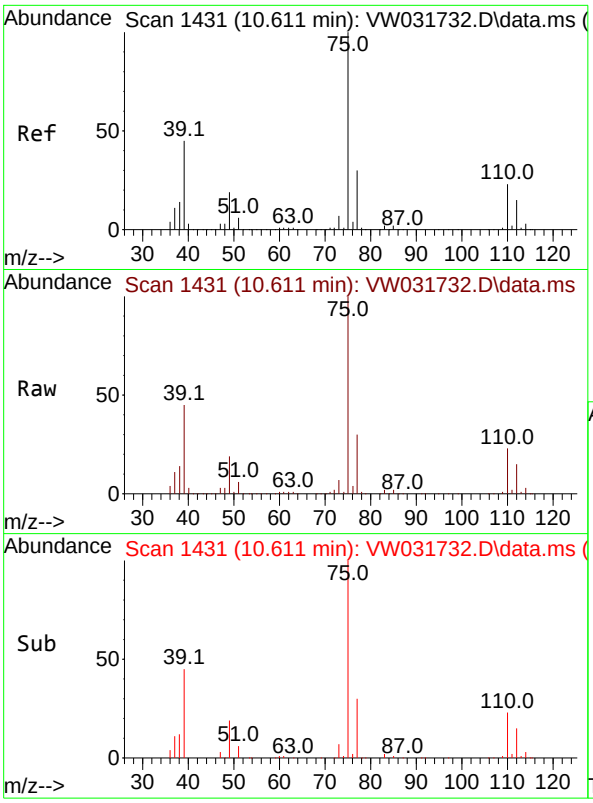


#52
Toluene
Concen: 48.965 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 92 Resp: 354627

Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.5	209.3





#53
t-1,3-Dichloropropene
Concen: 51.763 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

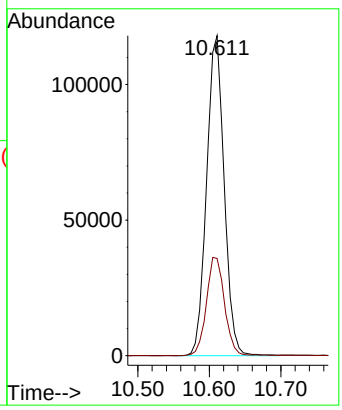
Tgt Ion: 75 Resp: 20101

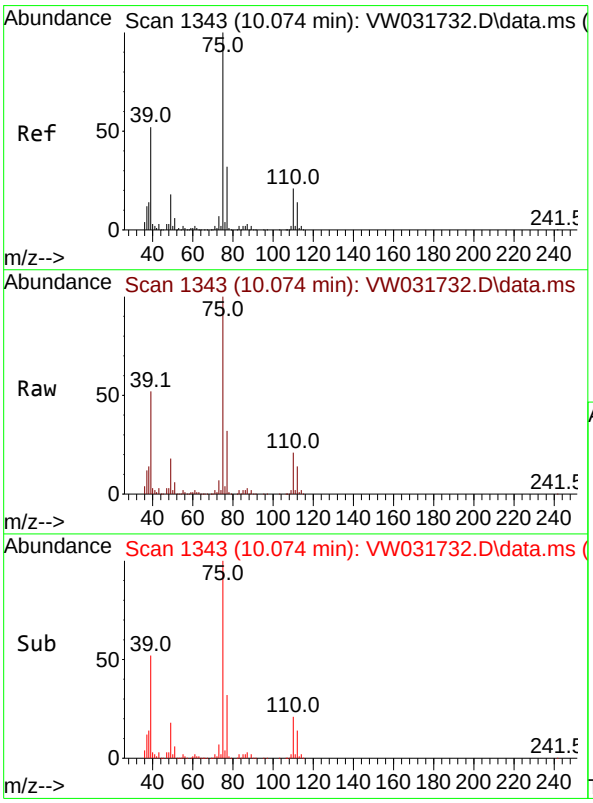
Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

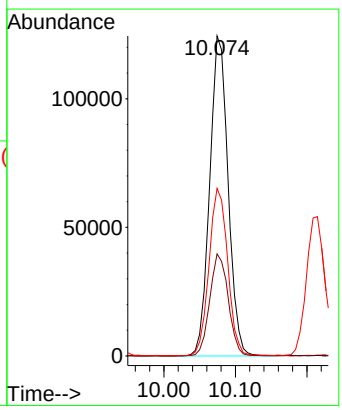


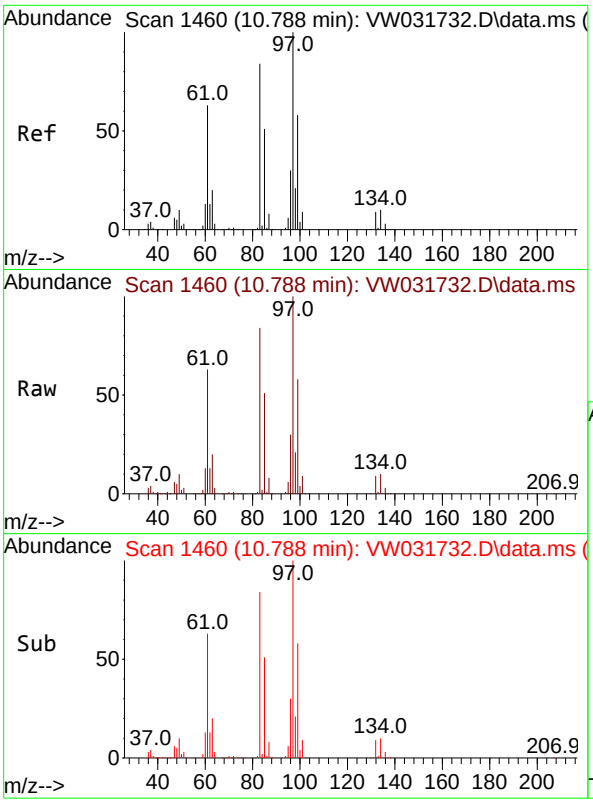


#54
cis-1,3-Dichloropropene
Concen: 50.493 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 222288

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	52.2	41.8	62.6

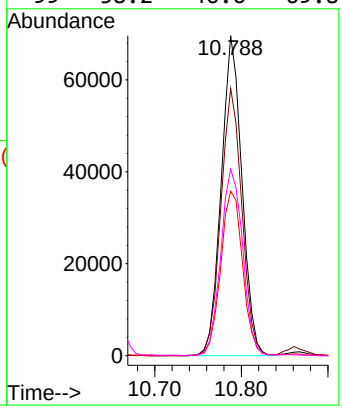




#55
1,1,2-Trichloroethane
Concen: 49.991 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 97 Resp: 11558

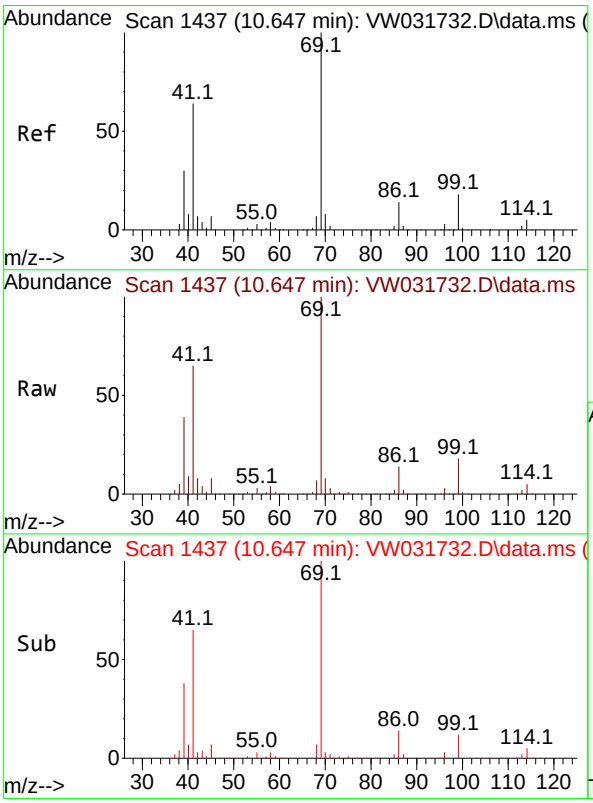
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	51.4	41.1	61.7
99	58.2	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

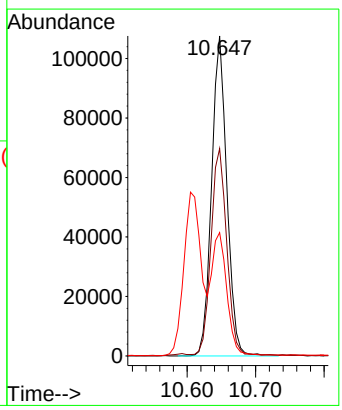
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

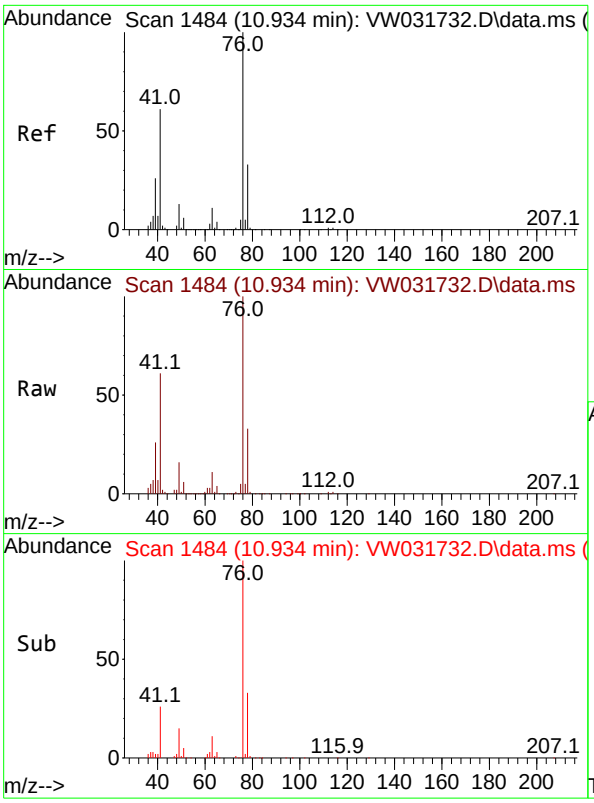


#56
Ethyl methacrylate
Concen: 52.971 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 69 Resp: 166152

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	37.7	30.2	45.2

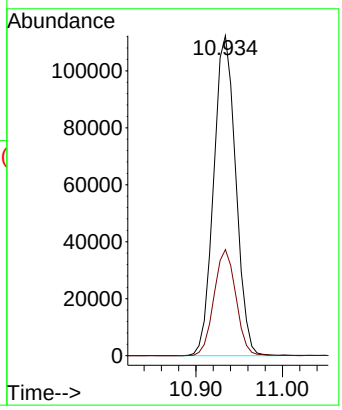




#57
1,3-Dichloropropane
Concen: 49.013 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 76 Resp: 19895

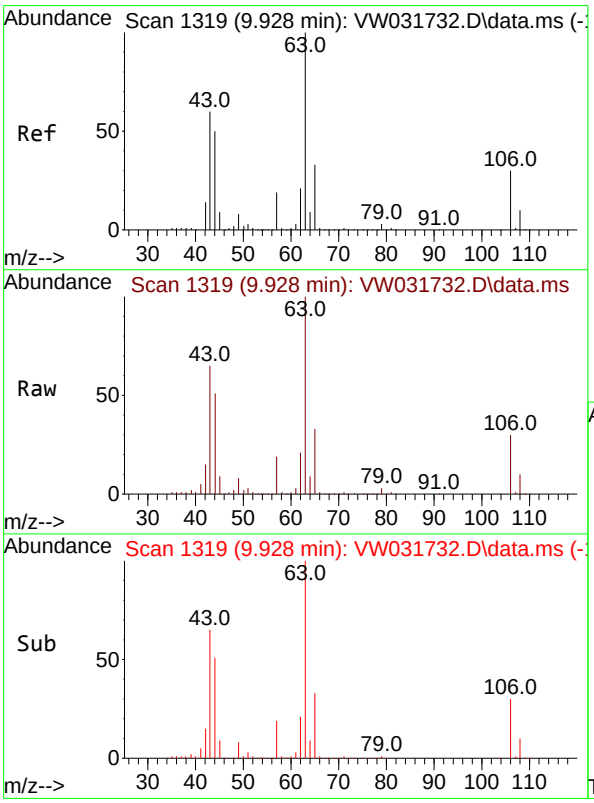
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

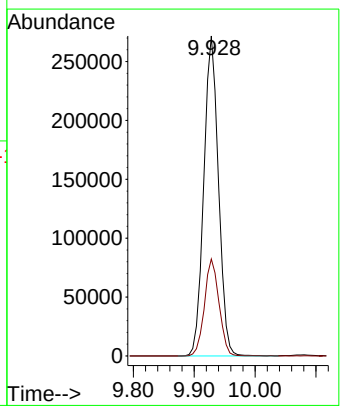
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

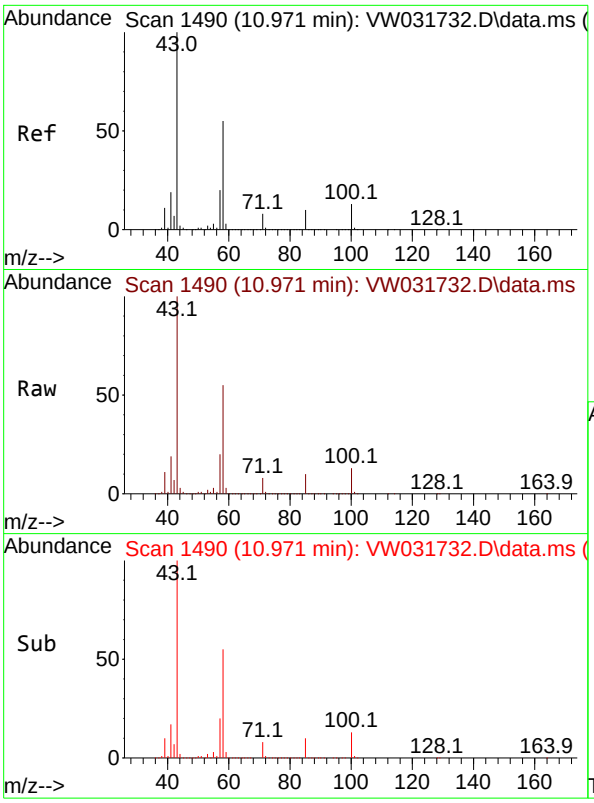


#58
2-Chloroethyl Vinyl ether
Concen: 263.272 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 454721

Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.1	36.1

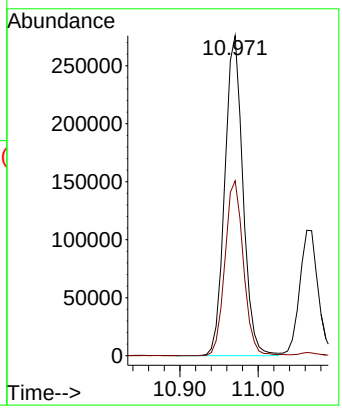




#59
2-Hexanone
Concen: 274.219 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 444148

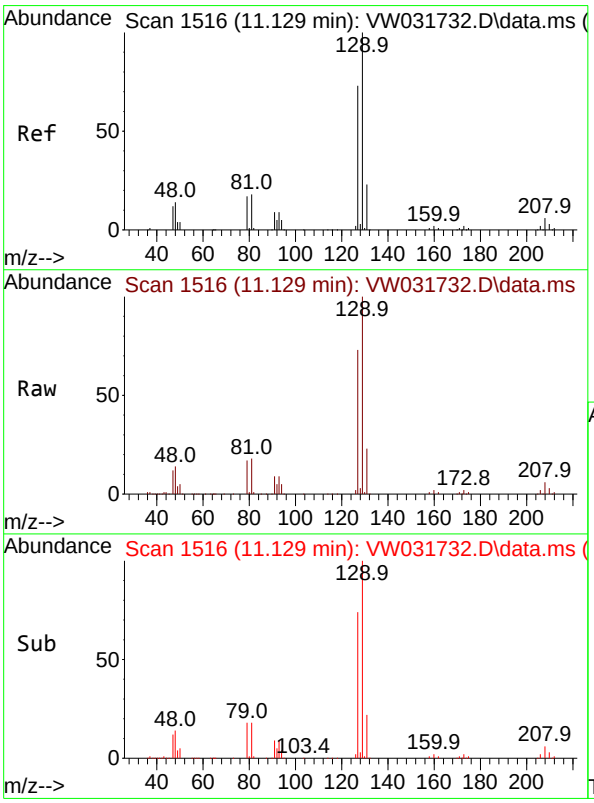
Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.9	83.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

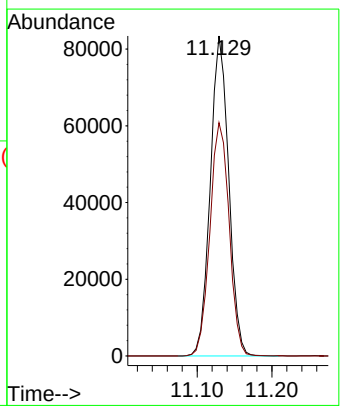
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

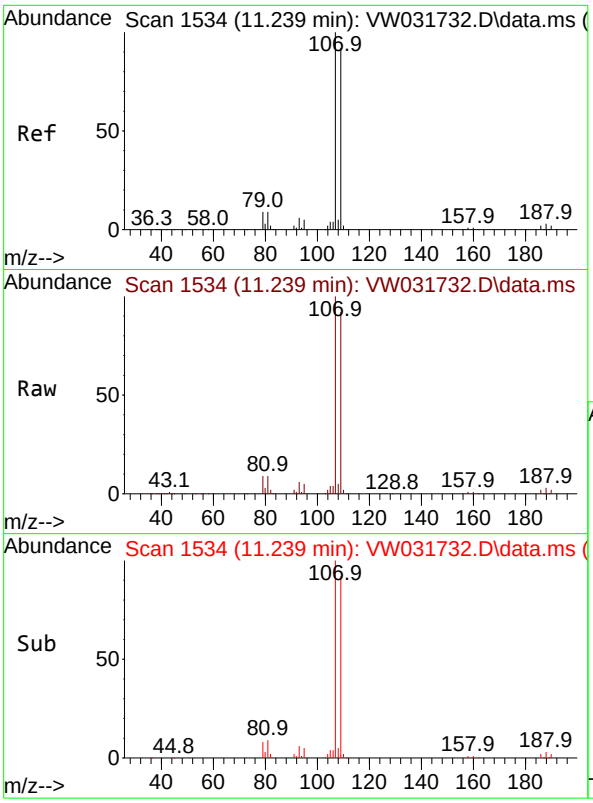


#60
Dibromochloromethane
Concen: 51.621 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:129 Resp: 142721

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.0	114.1

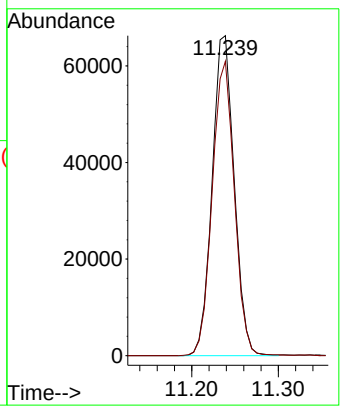




#61
1,2-Dibromoethane
Concen: 50.674 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:107 Resp: 11728

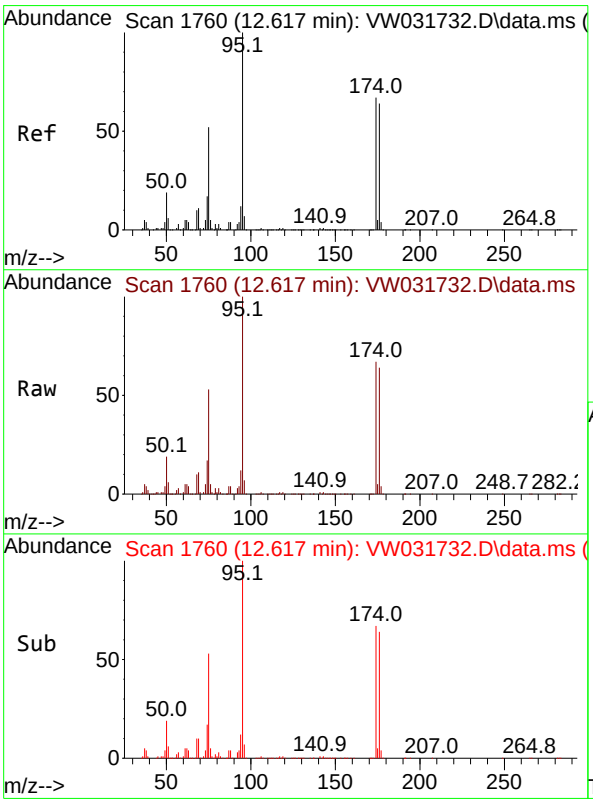
Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

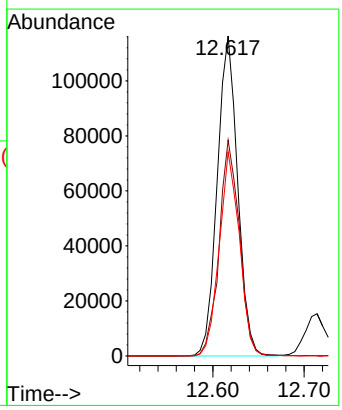
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

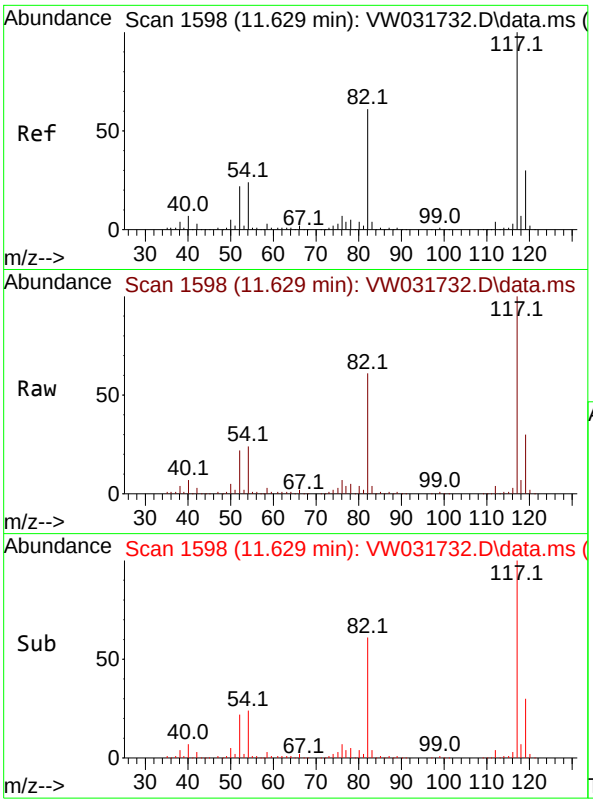


#62
4-Bromofluorobenzene
Concen: 49.986 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 95 Resp: 180870

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	133.8
176	63.0	0.0	126.0

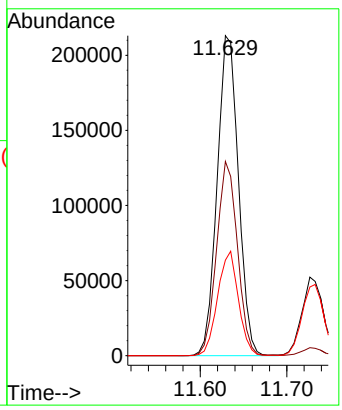




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 36361

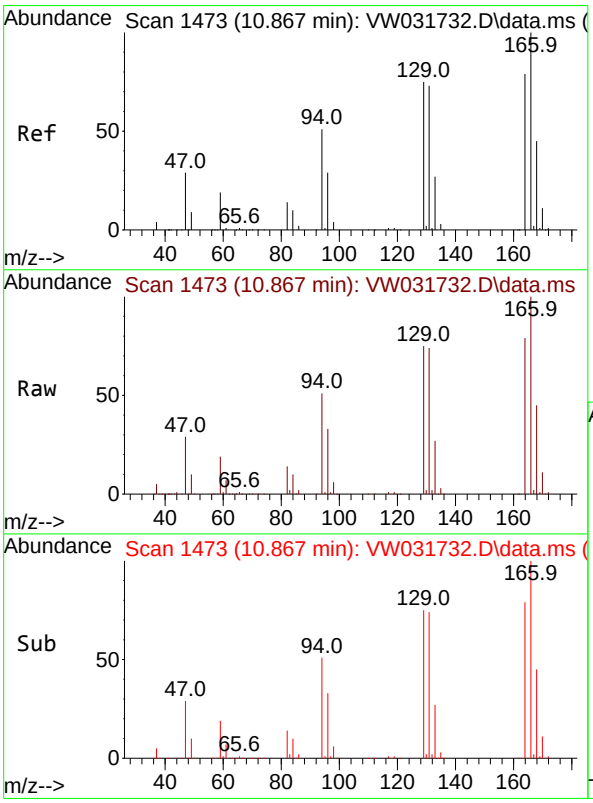
Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	72.8
119	29.9	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

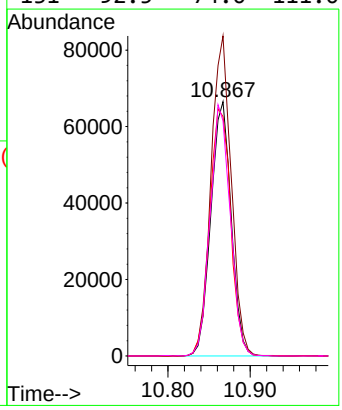
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

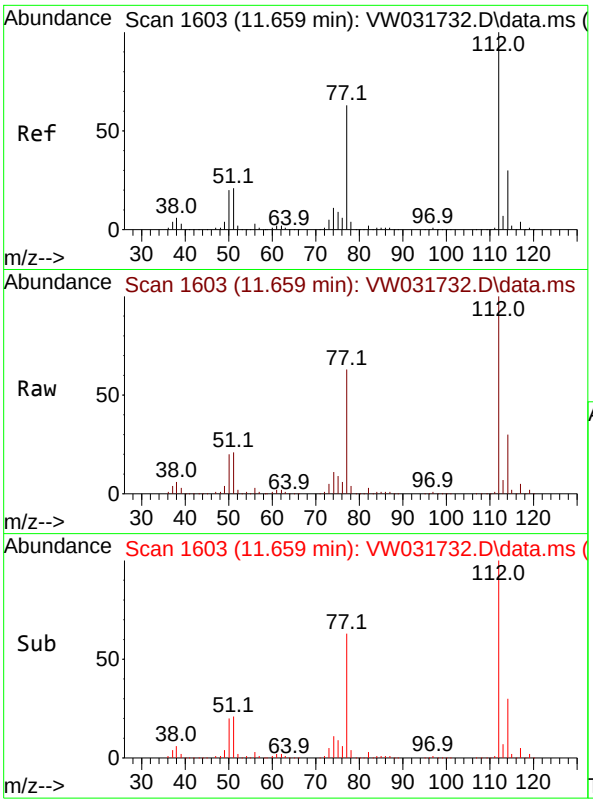


#64
Tetrachloroethene
Concen: 47.928 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:164 Resp: 113995

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.7	151.1
129	94.2	75.4	113.0
131	92.5	74.0	111.0

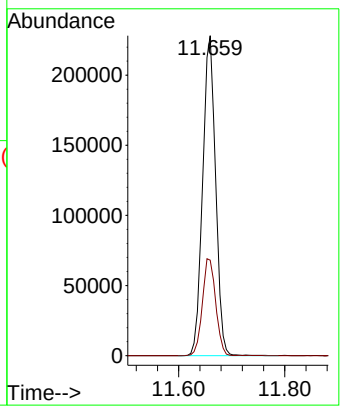




#65
Chlorobenzene
Concen: 48.141 ug/l
RT: 11.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:112 Resp: 38621

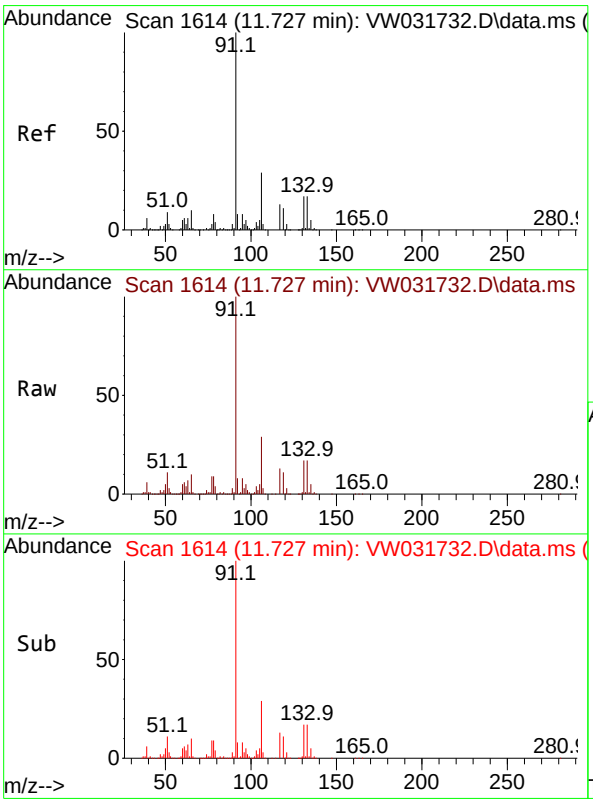
Ion	Ratio	Lower	Upper
112	100		
114	29.8	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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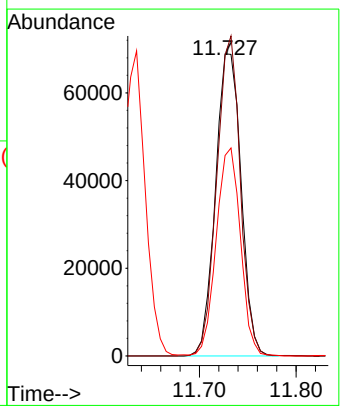
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

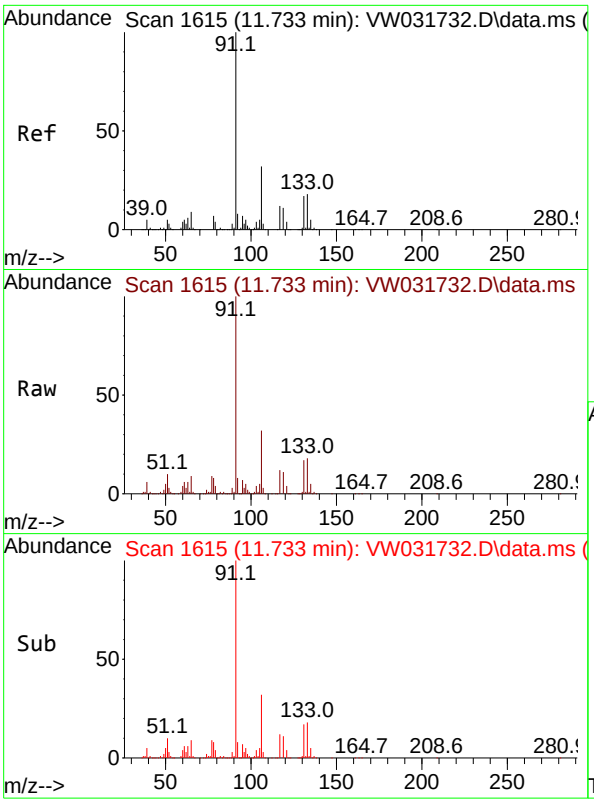


#66
1,1,1,2-Tetrachloroethane
Concen: 49.734 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:131 Resp: 127147

Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.5	145.6
119	65.0	32.5	97.5

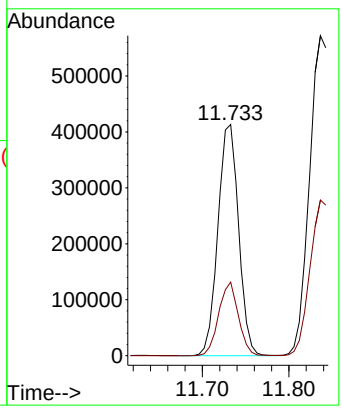




#67
Ethyl Benzene
Concen: 49.266 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 68536

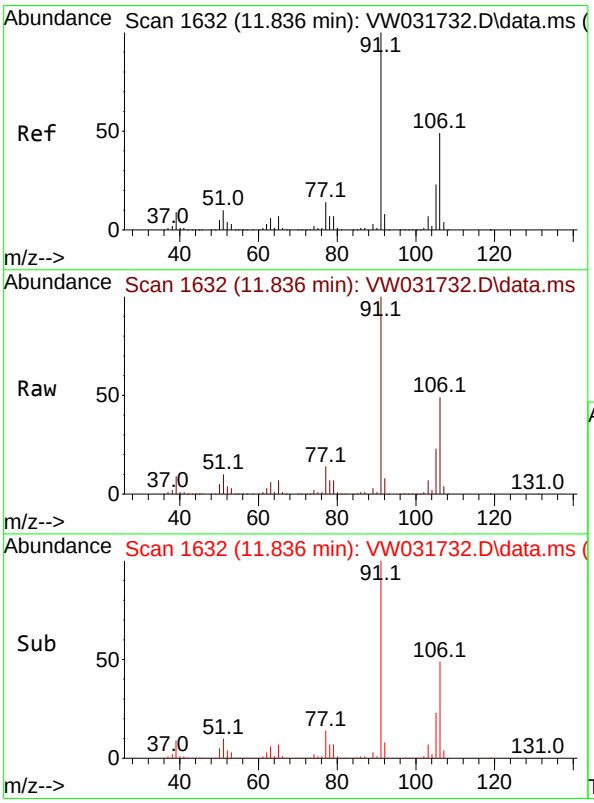
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

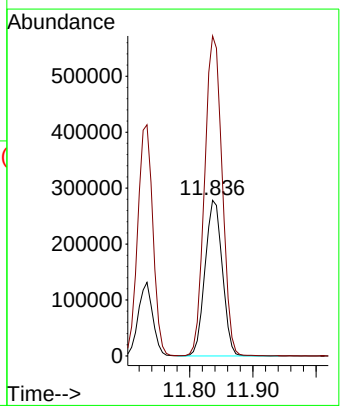
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

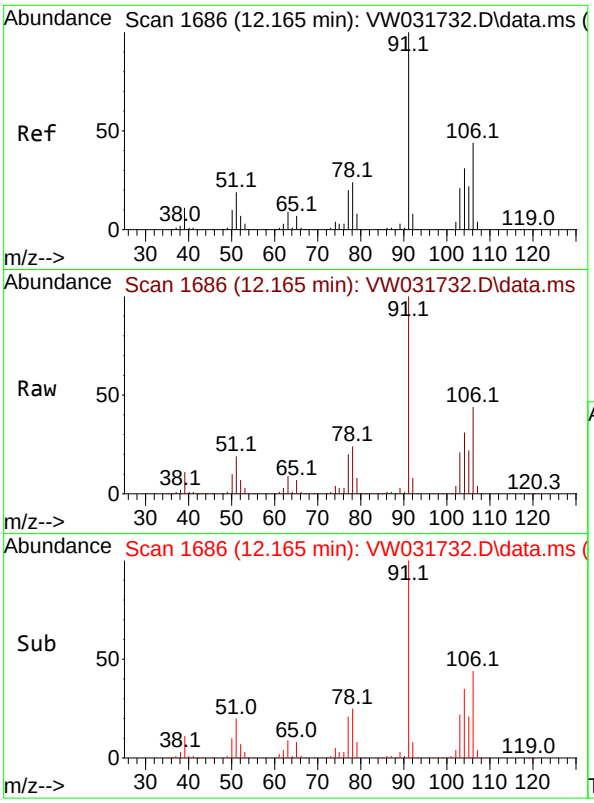


#68
m/p-Xylenes
Concen: 98.914 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:106 Resp: 528971

Ion	Ratio	Lower	Upper
106	100		
91	208.0	166.4	249.6





#69
o-Xylene
Concen: 50.054 ug/l
RT: 12.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

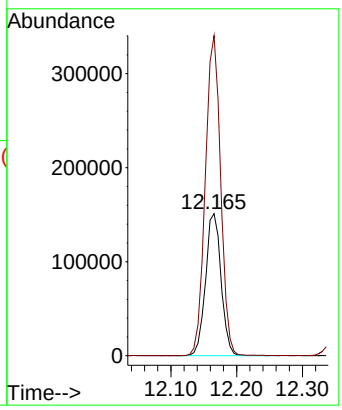
Tgt Ion:106 Resp: 24784

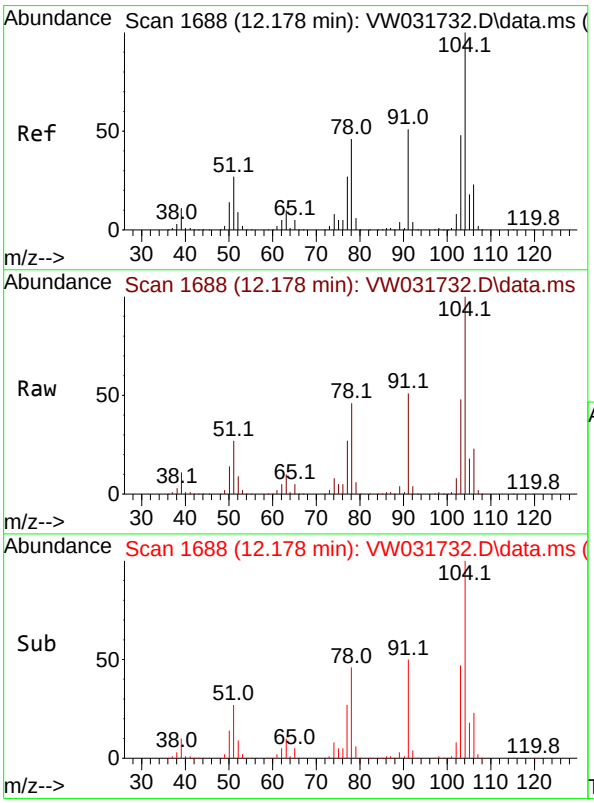
Ion	Ratio	Lower	Upper
106	100		
91	222.9	111.5	334.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

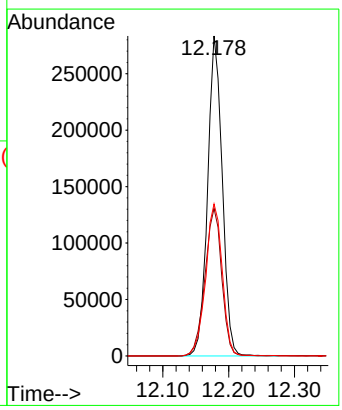


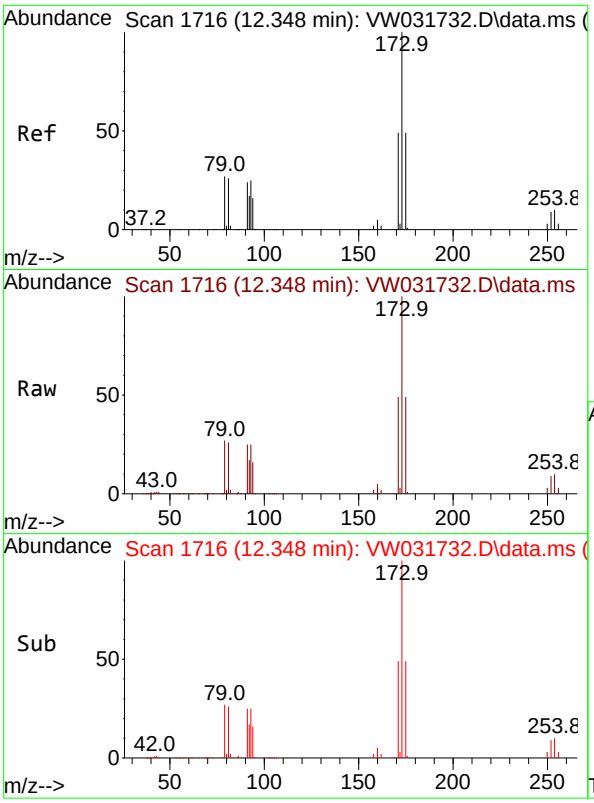


#70
Styrene
Concen: 51.360 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:104 Resp: 439641

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	53.8	43.0	64.6

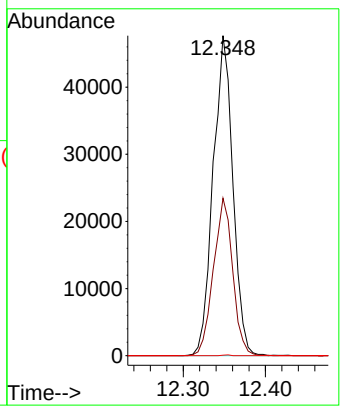




#71
Bromoform
Concen: 52.095 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:173 Resp: 7945

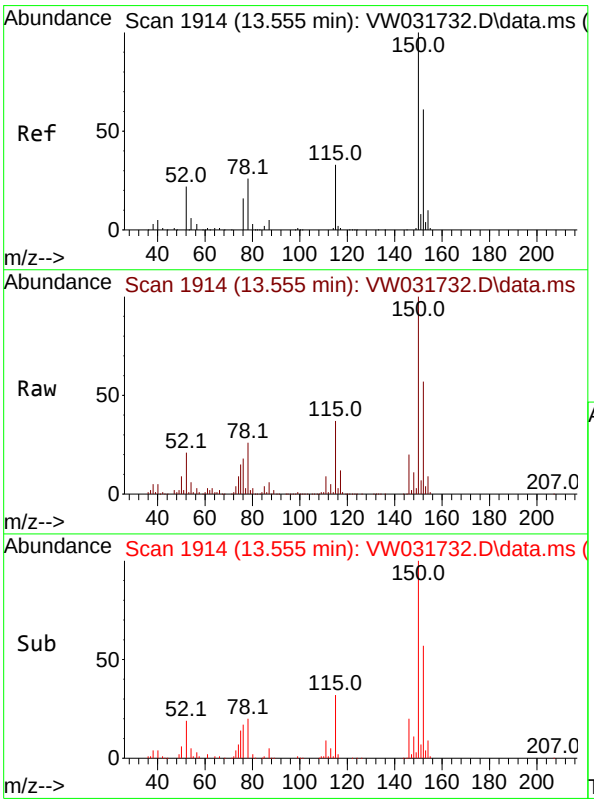
Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.1	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

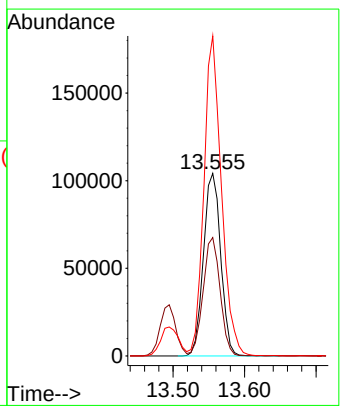
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

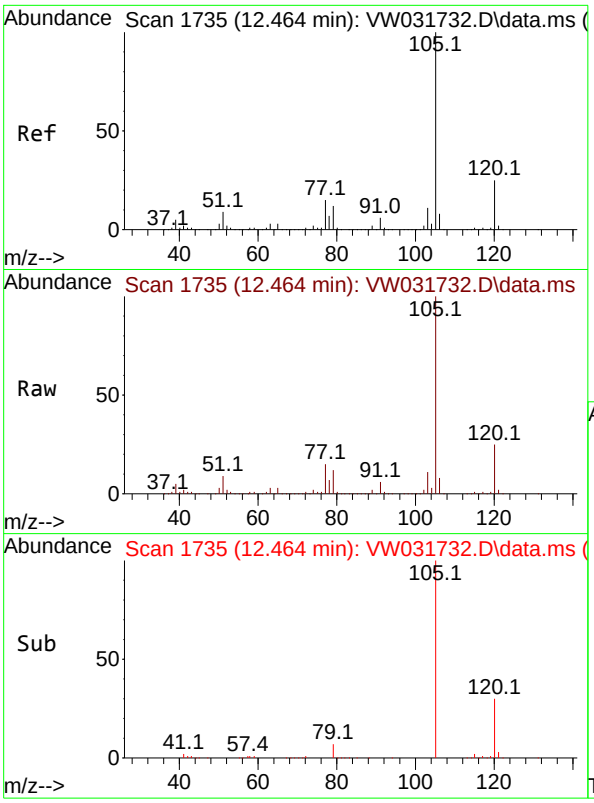


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:152 Resp: 174347

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.9	95.7
150	178.2	0.0	356.4

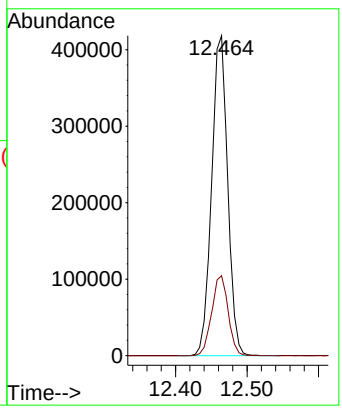




#73
Isopropylbenzene
Concen: 49.059 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 65060

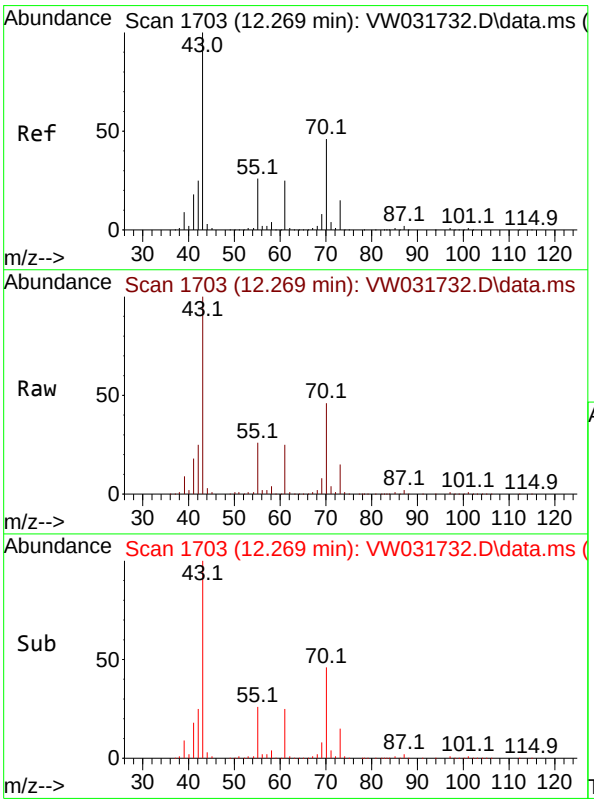
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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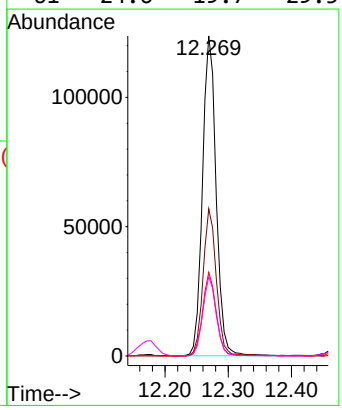
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

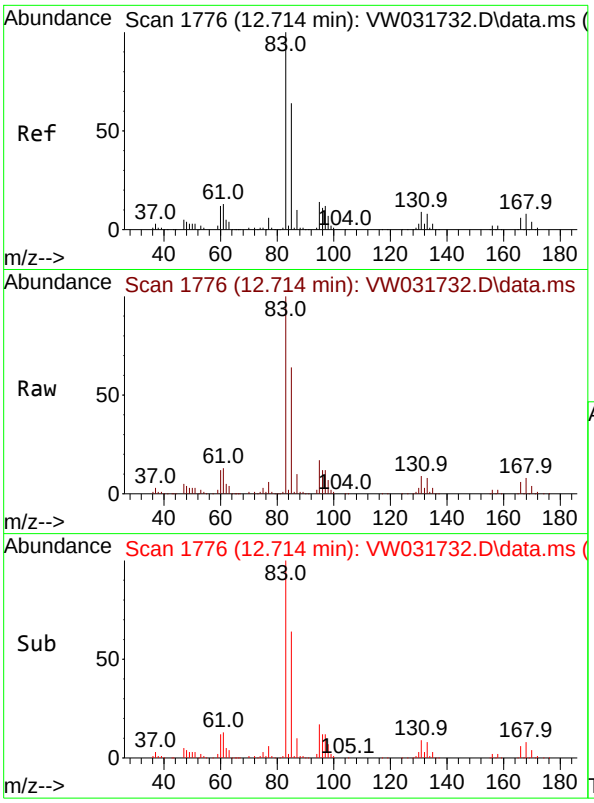


#74
N-amyl acetate
Concen: 52.024 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 185960

Ion	Ratio	Lower	Upper
43	100		
70	45.0	36.0	54.0
55	26.0	20.8	31.2
61	24.6	19.7	29.5

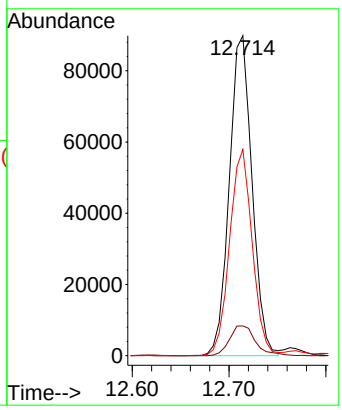




#75
1,1,2,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 83 Resp: 14702

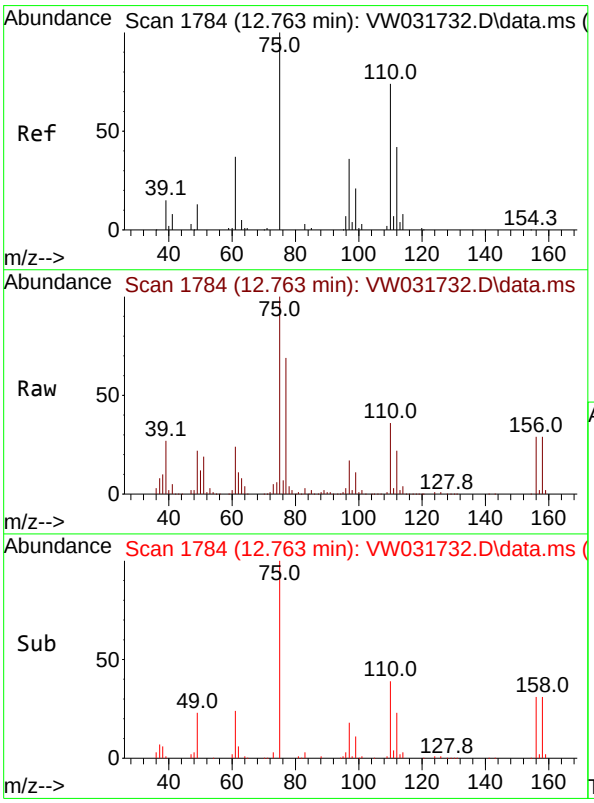
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.1	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

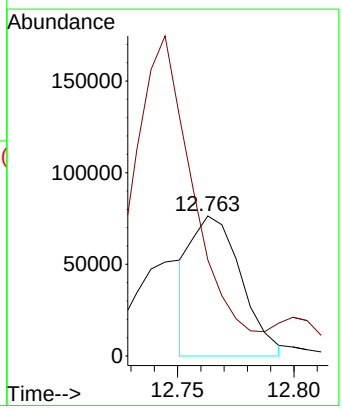
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

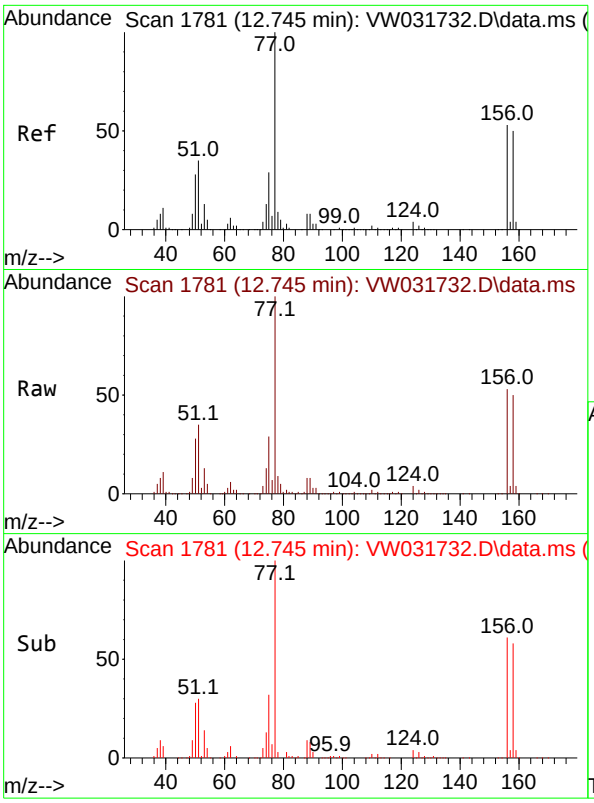


#76
1,2,3-Trichloropropane
Concen: 50.492 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 113761

Ion	Ratio	Lower	Upper
75	100		
77	282.4	141.2	423.6

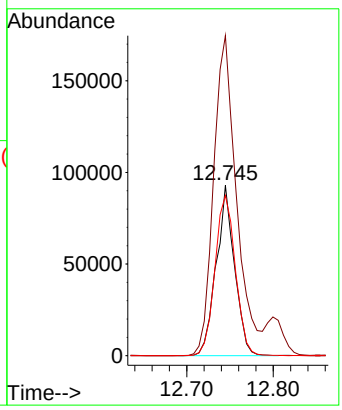




#77
Bromobenzene
Concen: 46.062 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:156 Resp: 13624

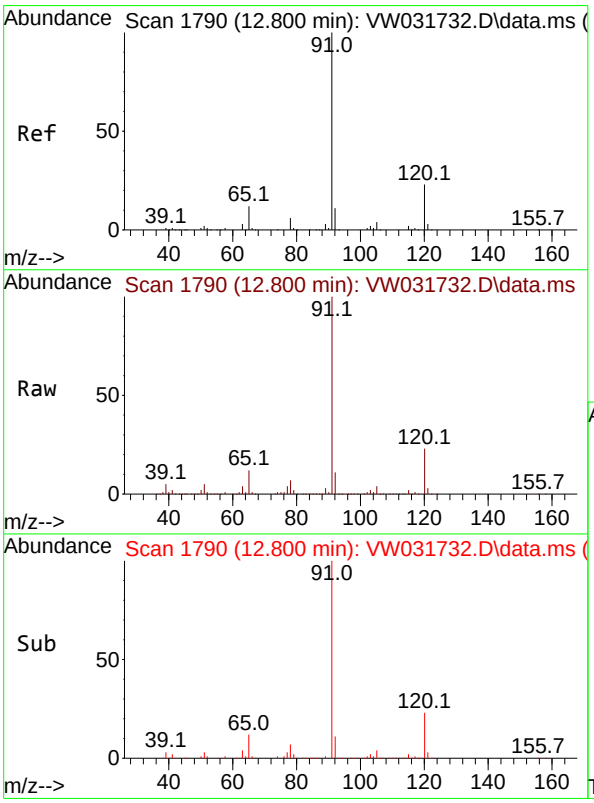
Ion	Ratio	Lower	Upper
156	100		
77	235.8	117.9	353.7
158	105.2	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

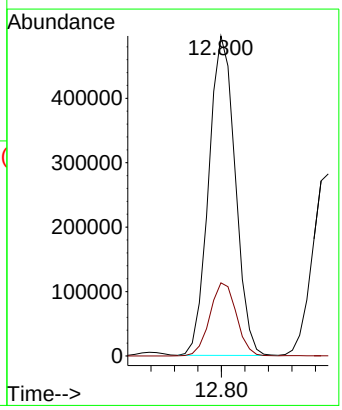
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

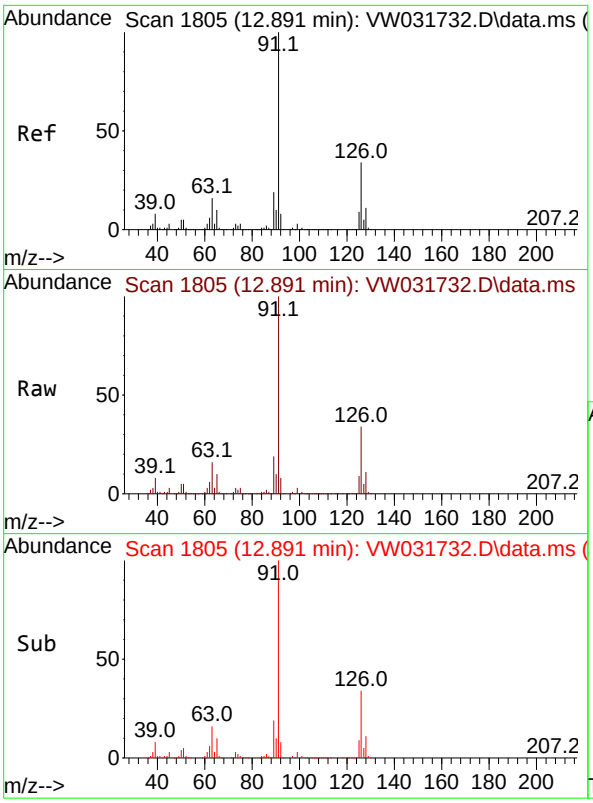


#78
n-propylbenzene
Concen: 48.998 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 778125

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4

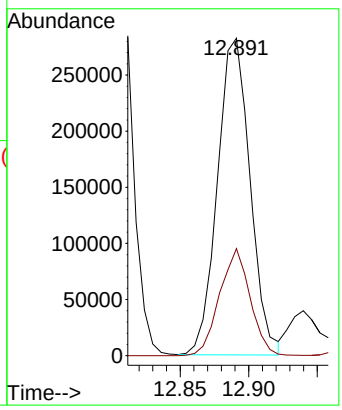




#79
2-Chlorotoluene
Concen: 48.939 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 46800

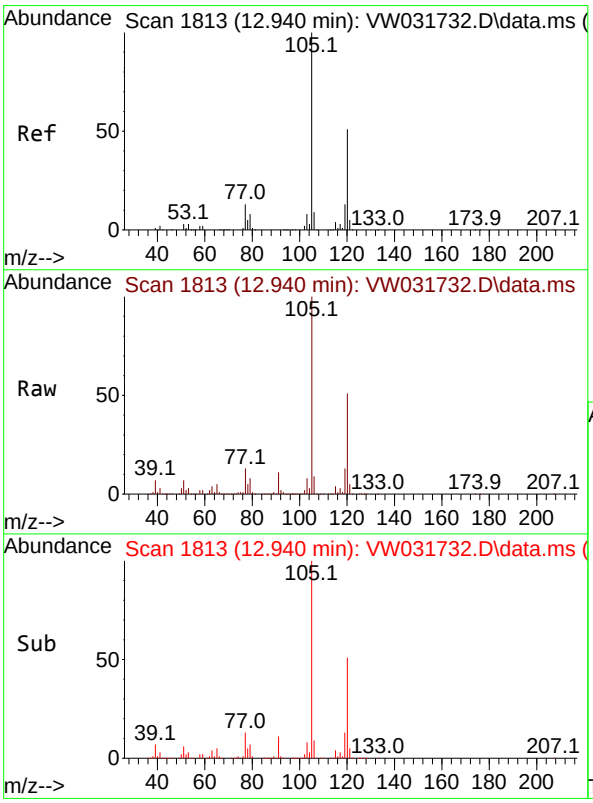
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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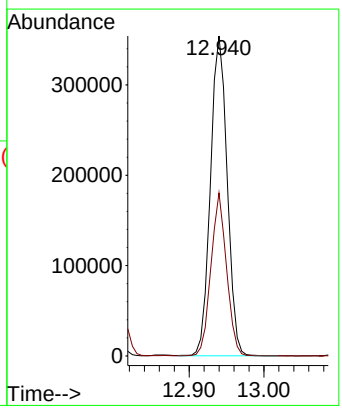
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

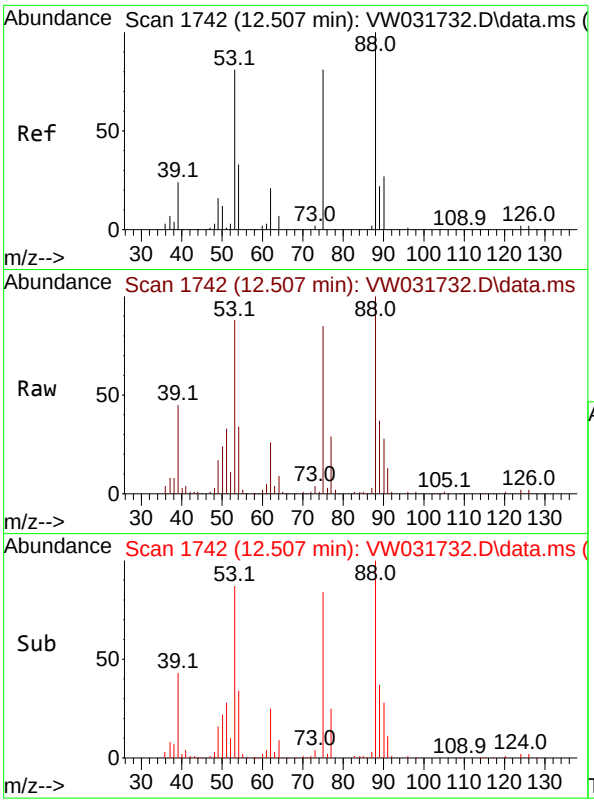


#80
1,3,5-Trimethylbenzene
Concen: 50.102 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 549993

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2

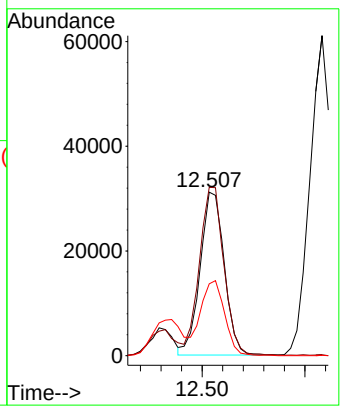




#81
trans-1,4-Dichloro-2-butene
Concen: 52.485 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 5077

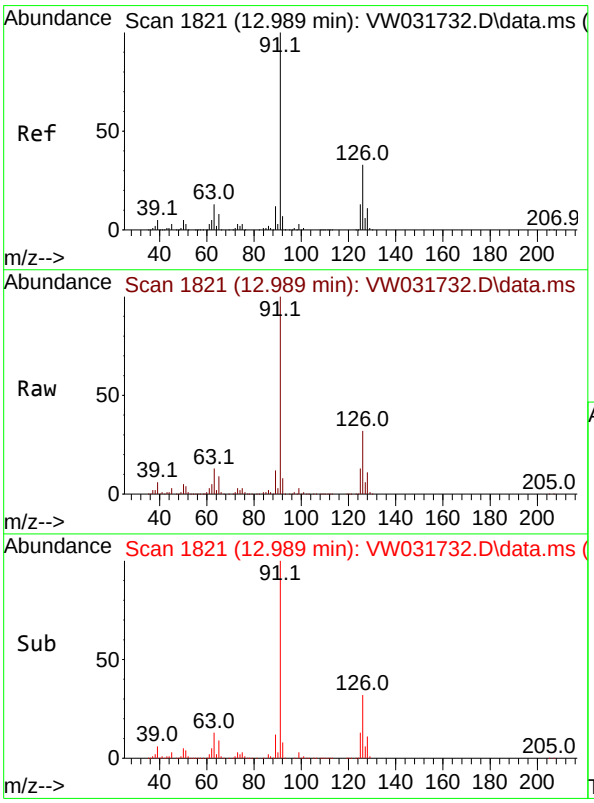
Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.5	125.3
89	47.9	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

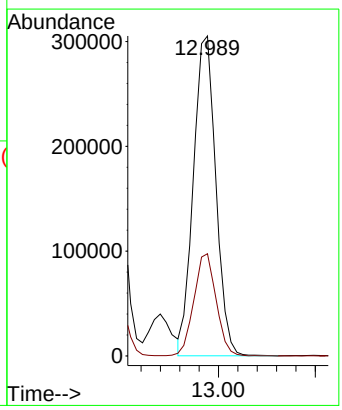
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

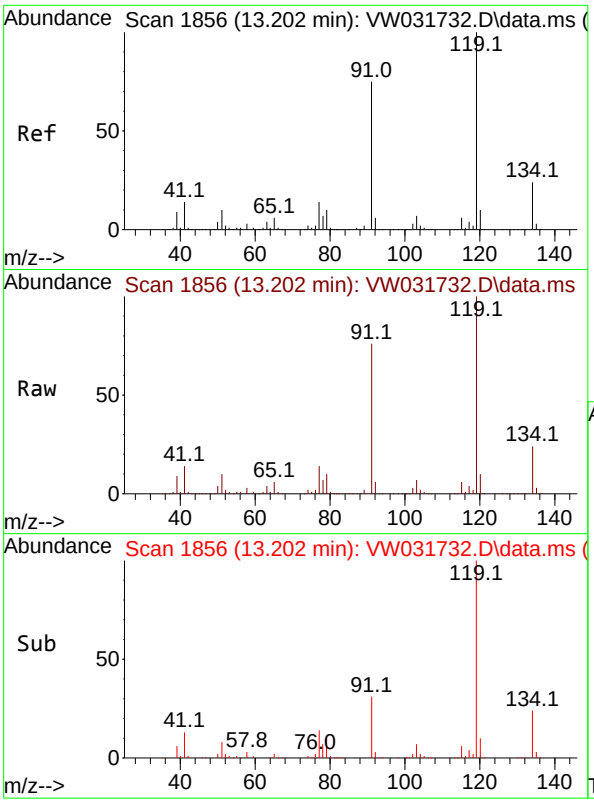


#82
4-Chlorotoluene
Concen: 49.008 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 492034

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9

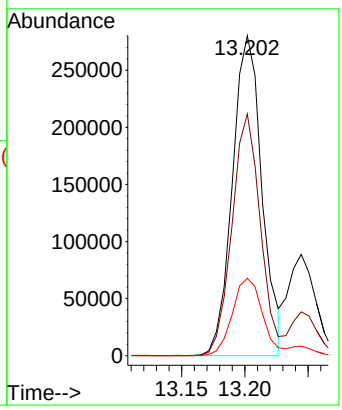




#83
tert-Butylbenzene
Concen: 48.454 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:119 Resp: 45562

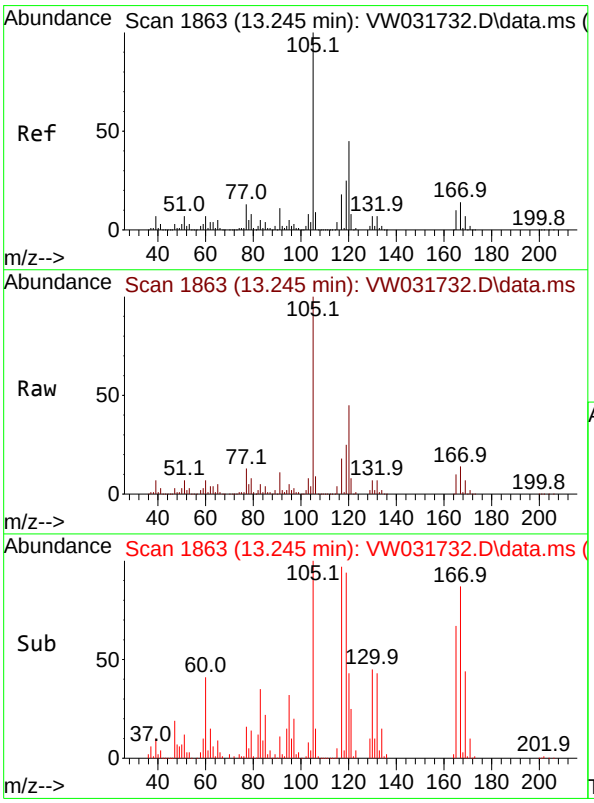
Ion	Ratio	Lower	Upper
119	100		
91	72.1	36.0	108.1
134	24.8	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

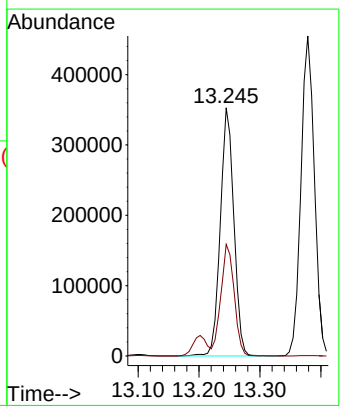
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

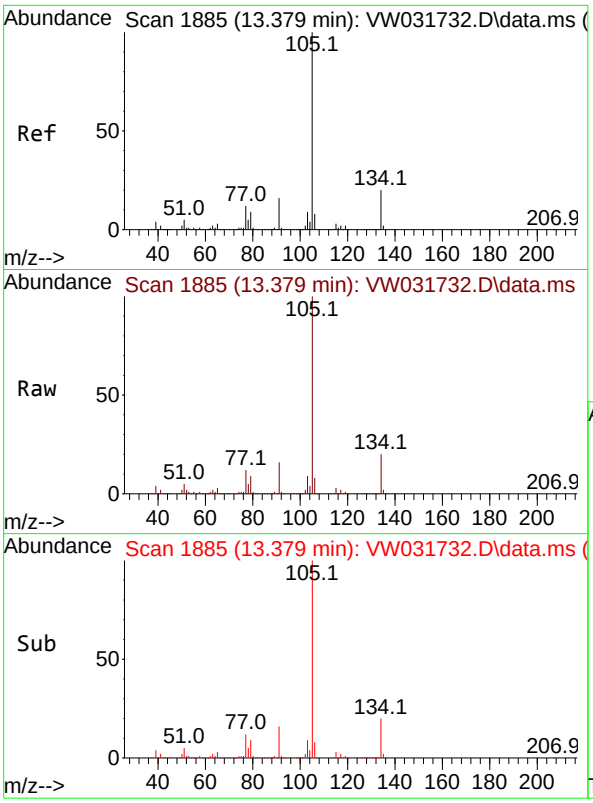


#84
1,2,4-Trimethylbenzene
Concen: 48.943 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 544366

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

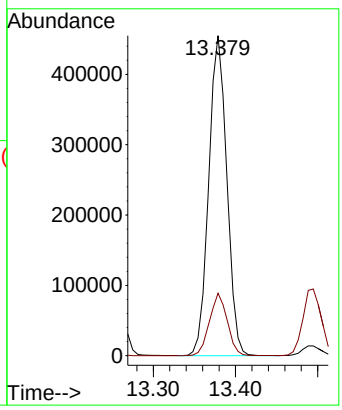




#85
sec-Butylbenzene
Concen: 49.251 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 69512

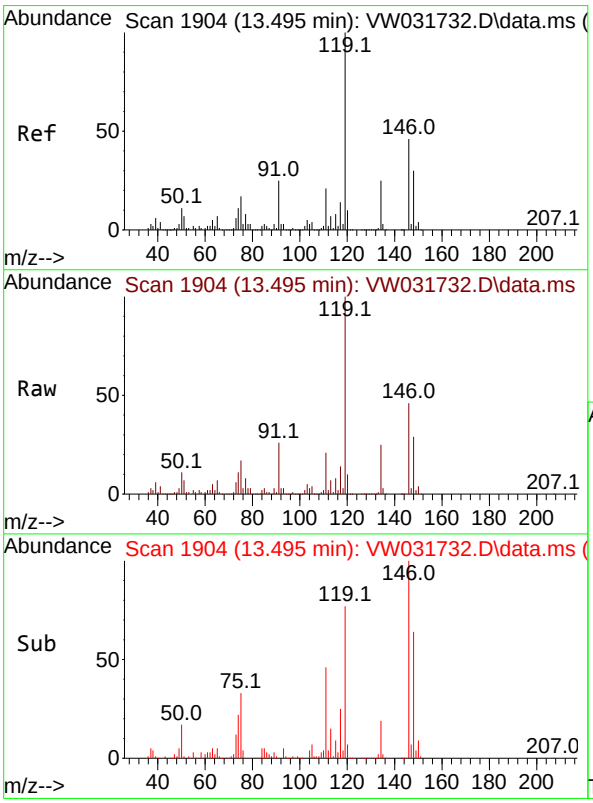
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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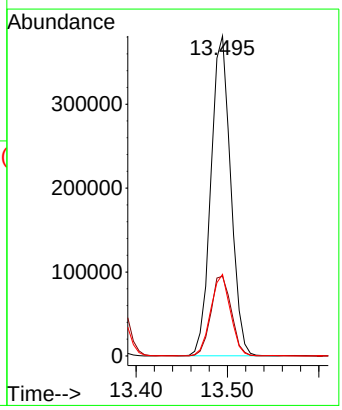
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

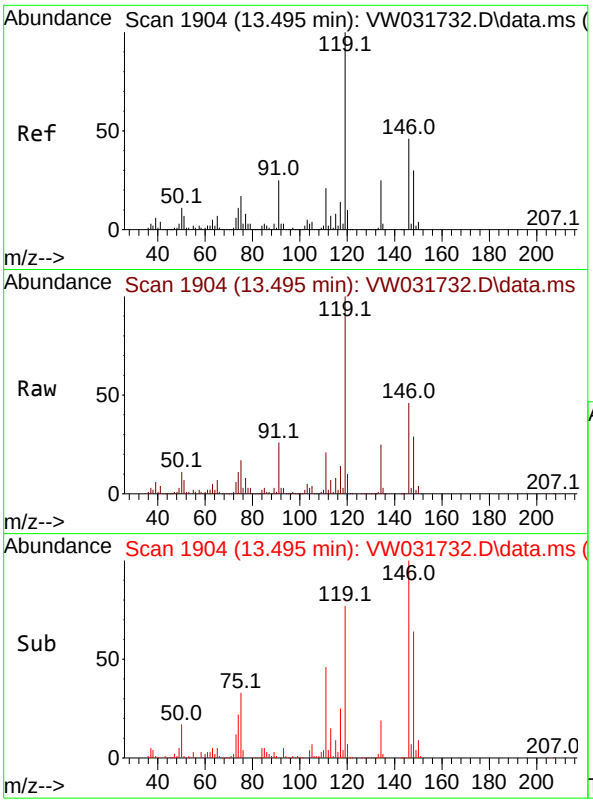


#86
p-Isopropyltoluene
Concen: 49.088 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:119 Resp: 570989

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.7
91	25.3	12.7	38.0

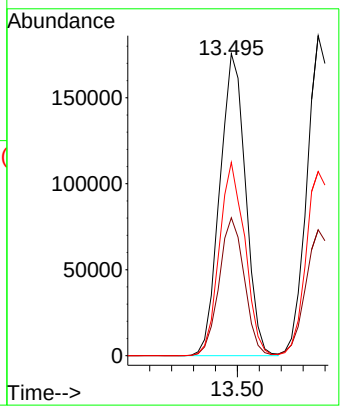




#87
1,3-Dichlorobenzene
Concen: 48.328 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:146 Resp: 28667

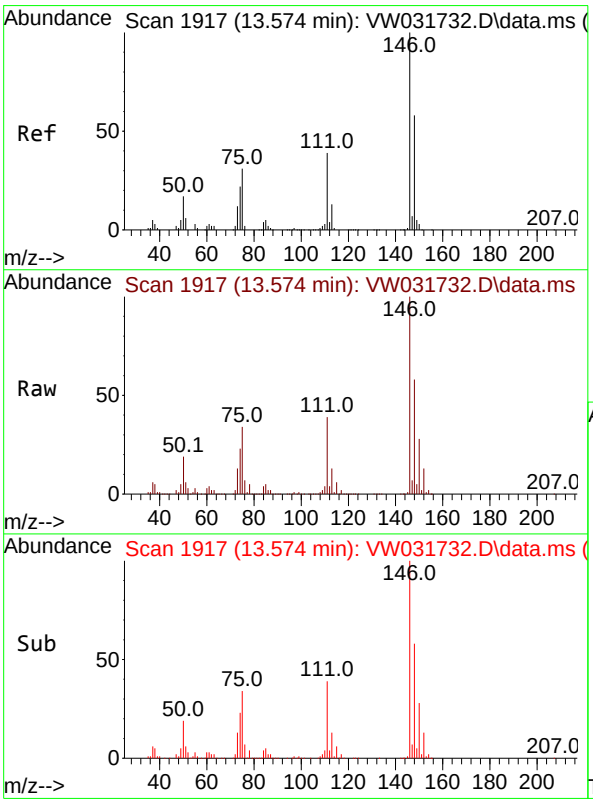
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	63.6	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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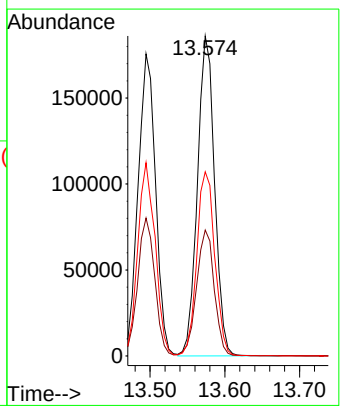
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

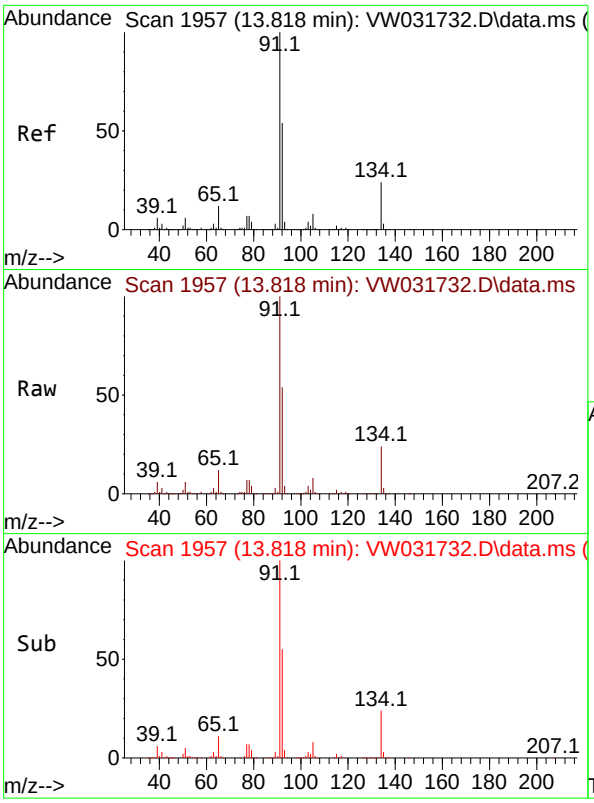


#88
1,4-Dichlorobenzene
Concen: 48.863 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:146 Resp: 296666

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	60.4	30.2	90.6

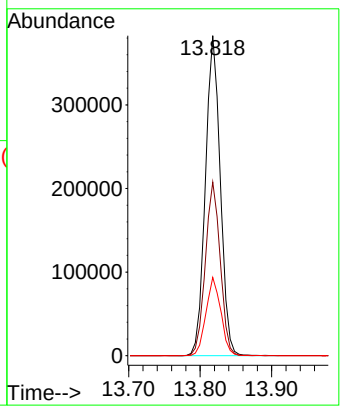




#89
n-Butylbenzene
Concen: 49.002 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 55379

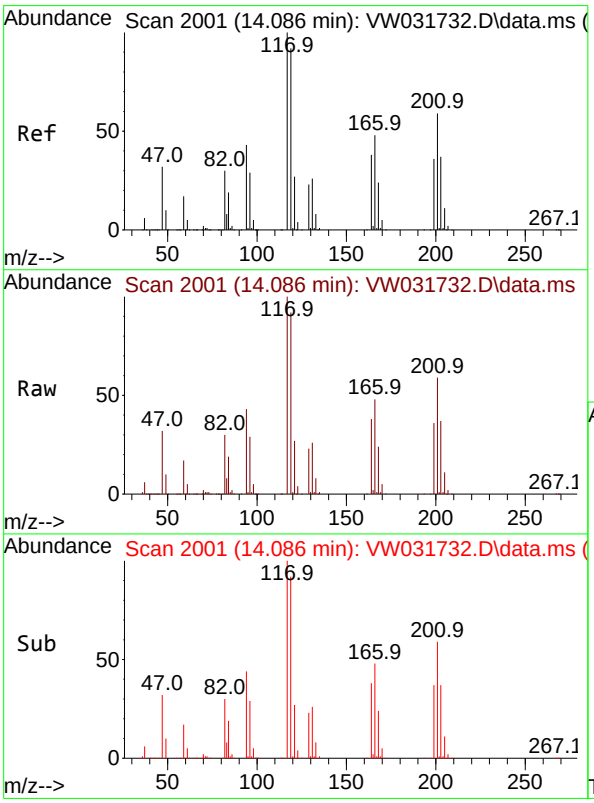
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	24.4	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

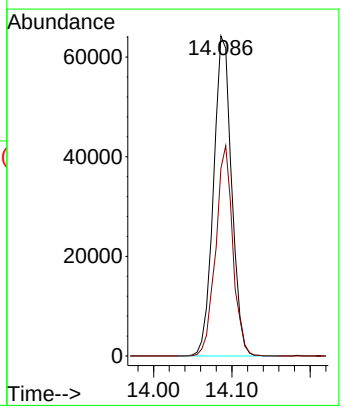
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

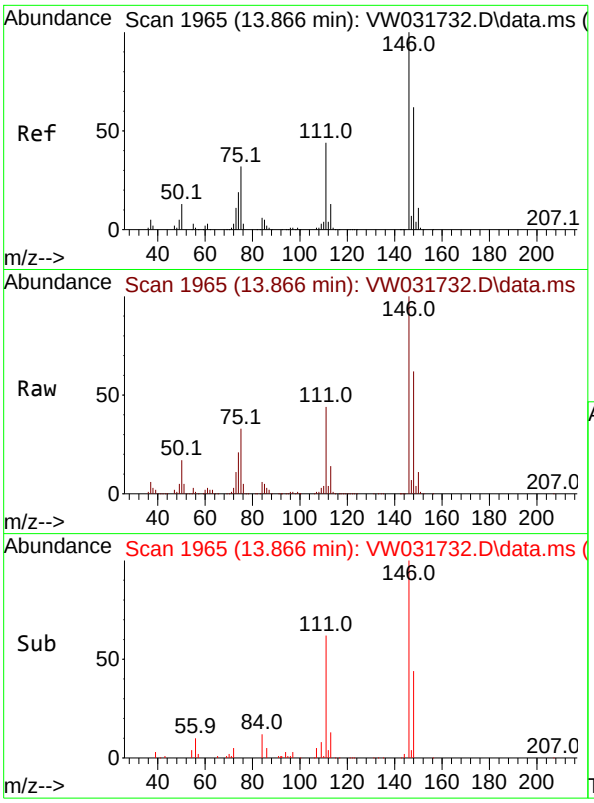


#90
Hexachloroethane
Concen: 49.175 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 103194

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.1	93.3

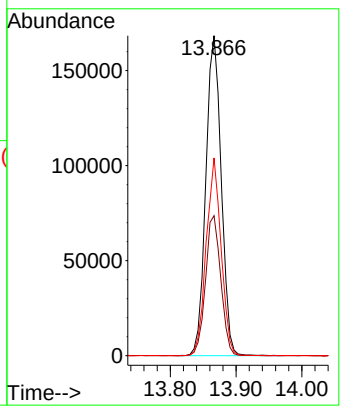




#91
1,2-Dichlorobenzene
Concen: 50.650 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:146 Resp: 27460

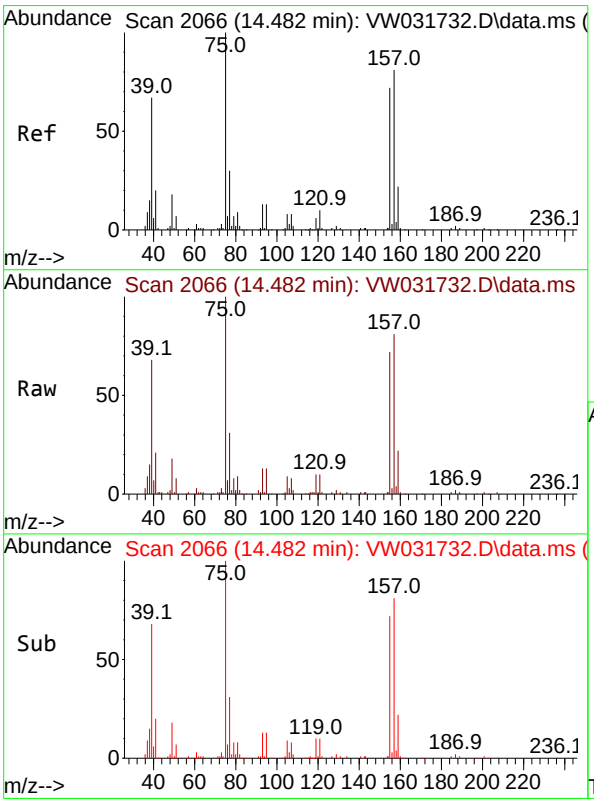
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	59.7	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

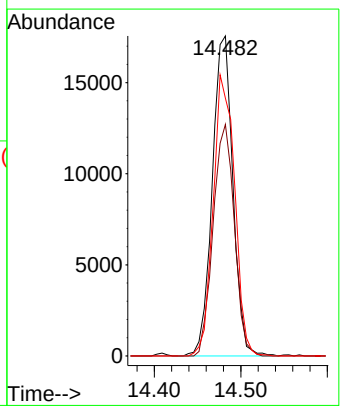
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

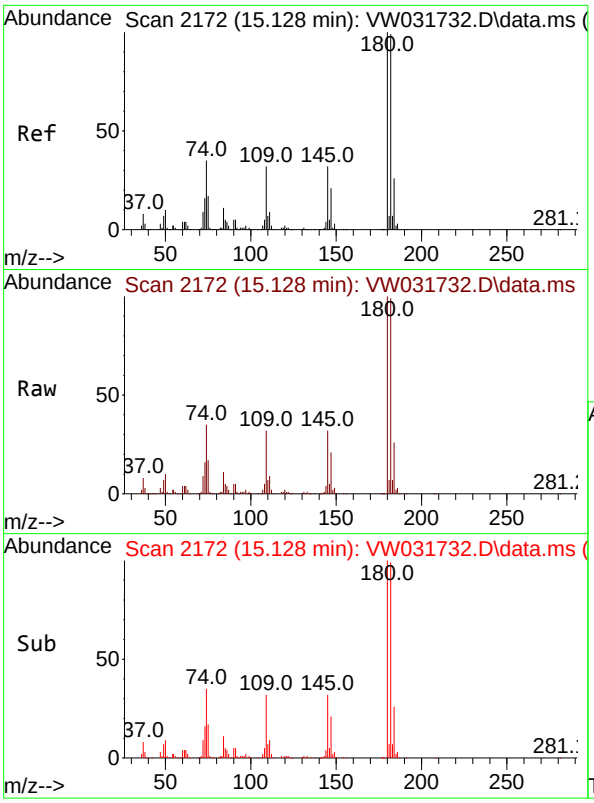


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.476 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 29018

Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.2	111.6
157	91.3	45.6	136.9

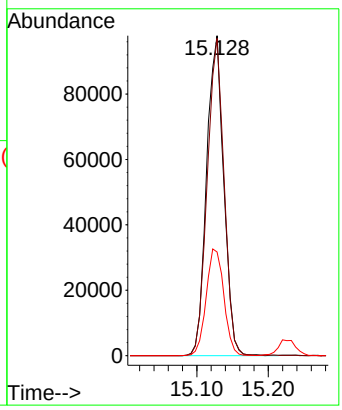




#93
1,2,4-Trichlorobenzene
Concen: 48.652 ug/l
RT: 15.128 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:180 Resp: 16267

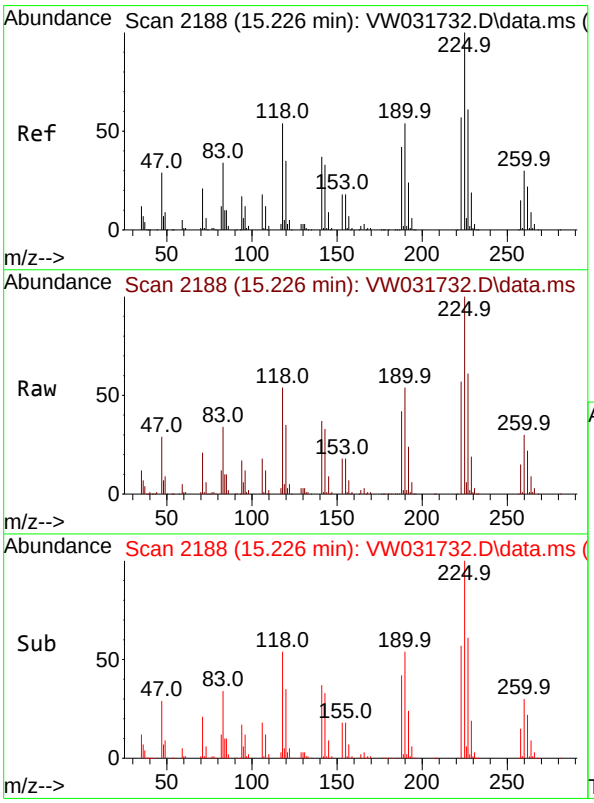
Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.6	145.9
145	34.5	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

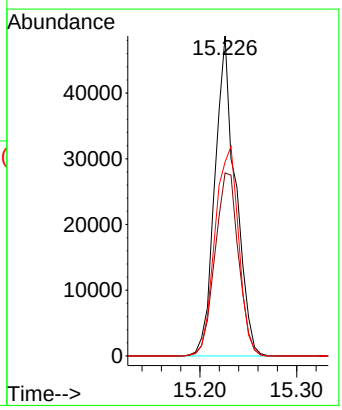
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

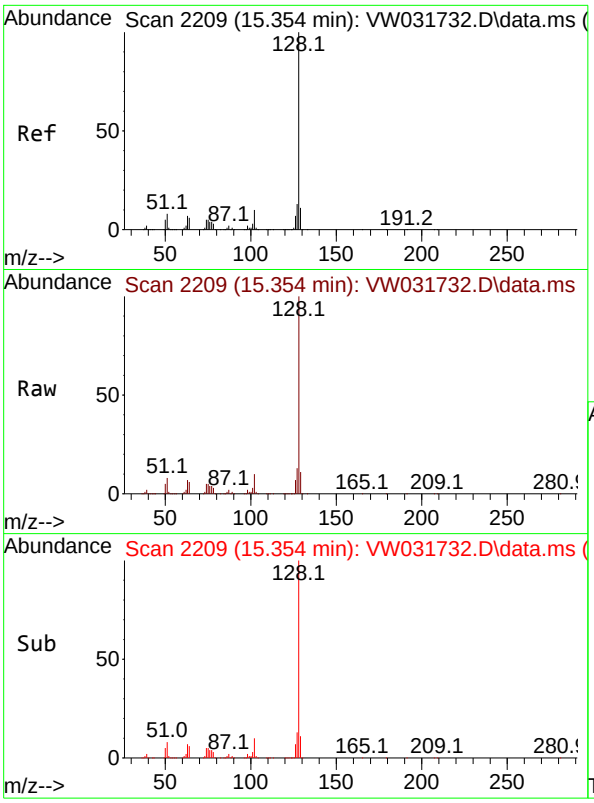


#94
Hexachlorobutadiene
Concen: 44.742 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:225 Resp: 72238

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.6	97.8
227	74.5	37.3	111.8

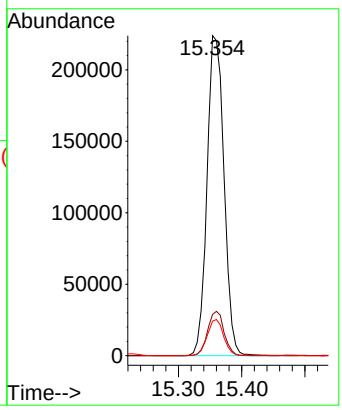




#95
Naphthalene
Concen: 50.938 ug/l
RT: 15.354 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:128 Resp: 41755

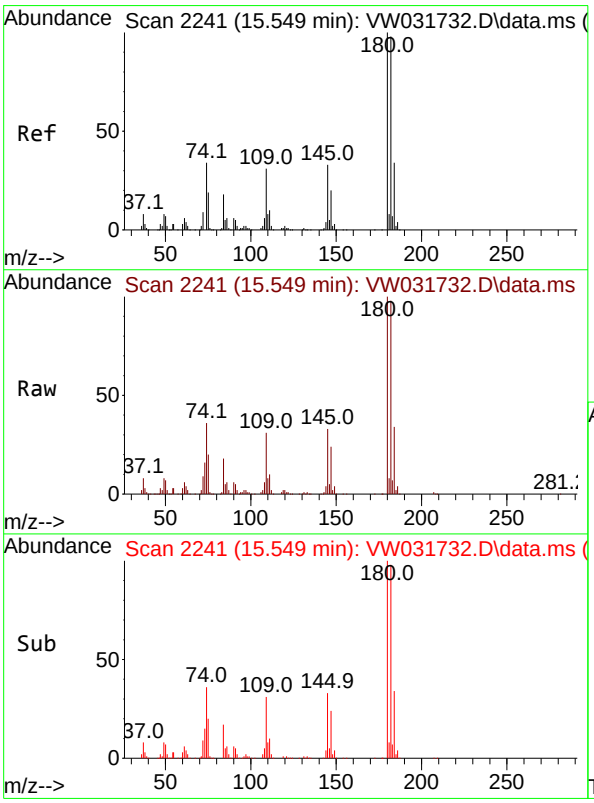
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.9	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

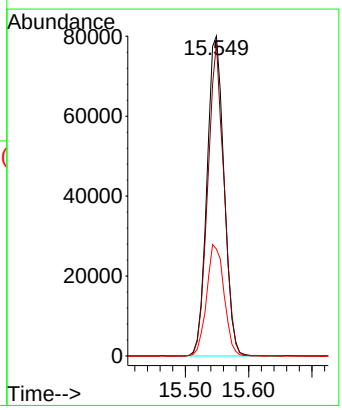
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.893 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:180 Resp: 150212

Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.4	139.1
145	35.5	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.560%#			
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 200.240%#			
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 202.380%#			
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 201.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l		98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l		99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l		99
44) Trichloroethene	9.099	130	273865	96.676	ug/l		96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l		99
46) Dibromomethane	9.465	93	167767	94.732	ug/l		98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l		99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l		98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l		99
52) Toluene	10.386	92	710254	97.739	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l		97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l		98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l		99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l		99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l		97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l		99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l		94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l		98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l		100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l		98
69) o-Xylene	12.160	106	506083	103.535	ug/l		97
70) Styrene	12.178	104	865542	102.427	ug/l		99
71) Bromoform	12.349	173	154434	102.574	ug/l	#	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l		100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	205119m	95.544	ug/l		
77) Bromobenzene	12.739	156	294310	104.424	ug/l		86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l		99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l		98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l		100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l		100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l		100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l		97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l		99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l		100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l		89
95) Naphthalene	15.360	128	867343	111.042	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

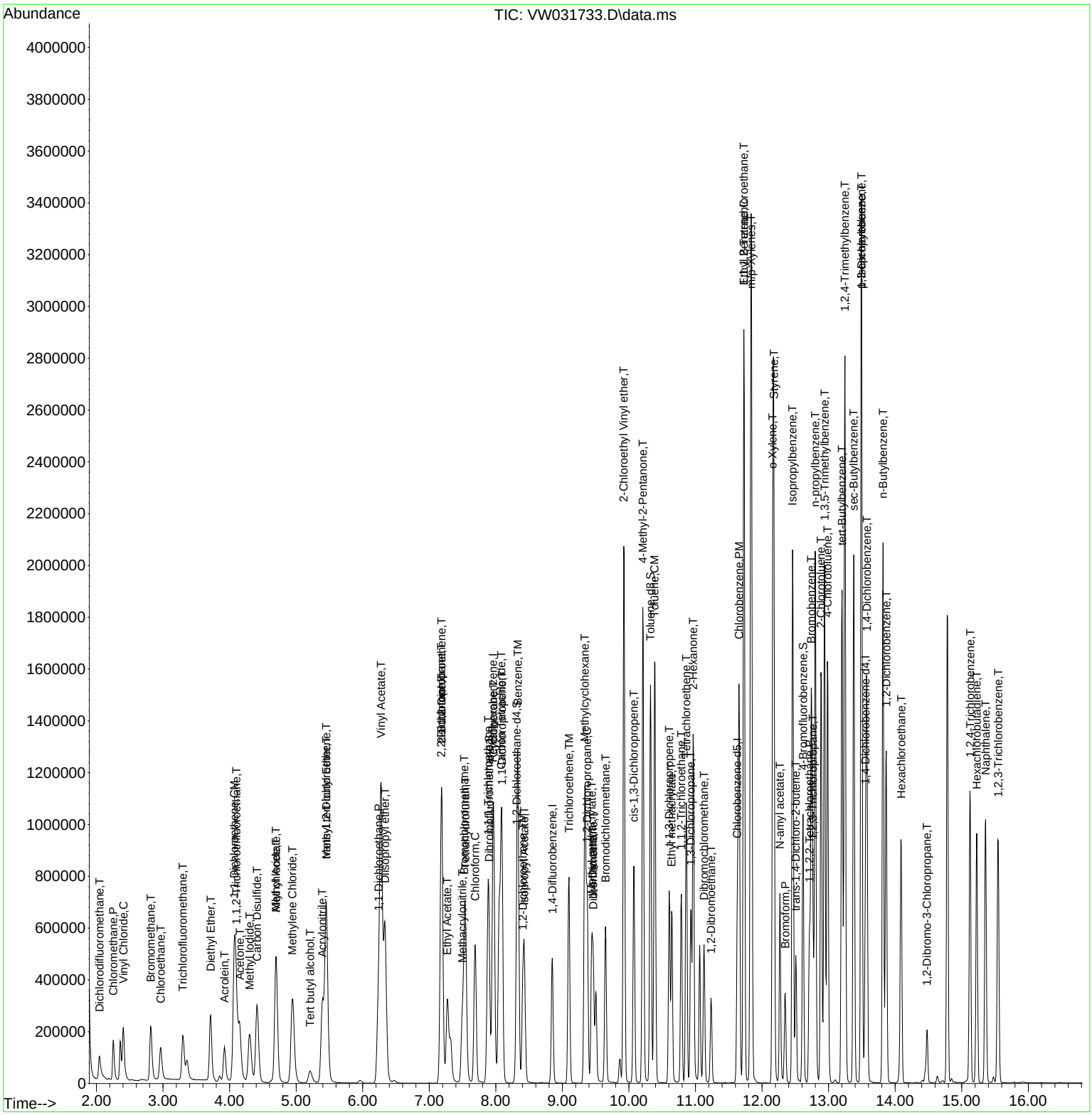
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Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

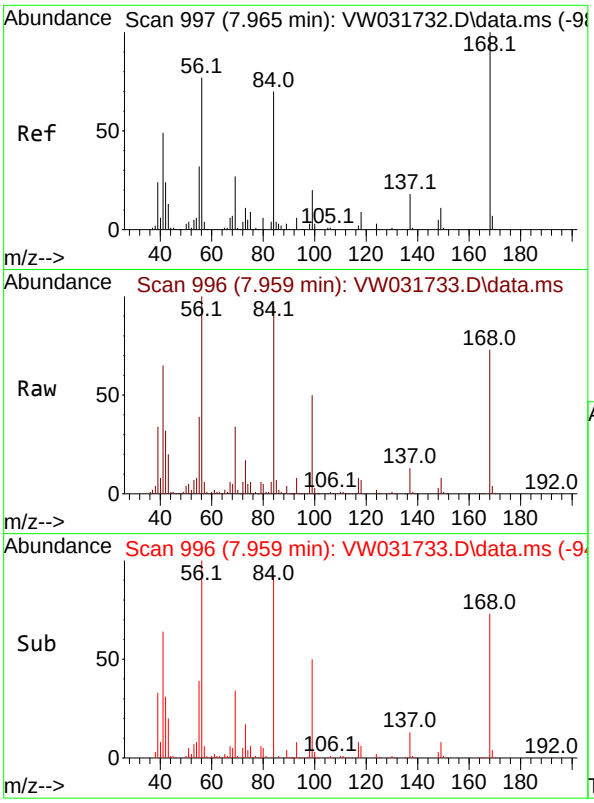
Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

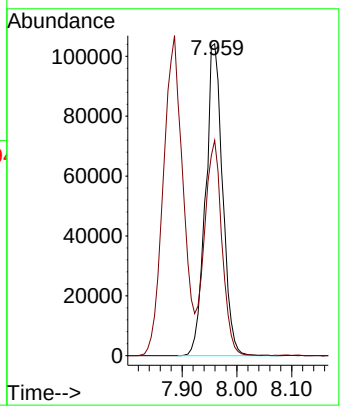




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:168 Resp: 22470

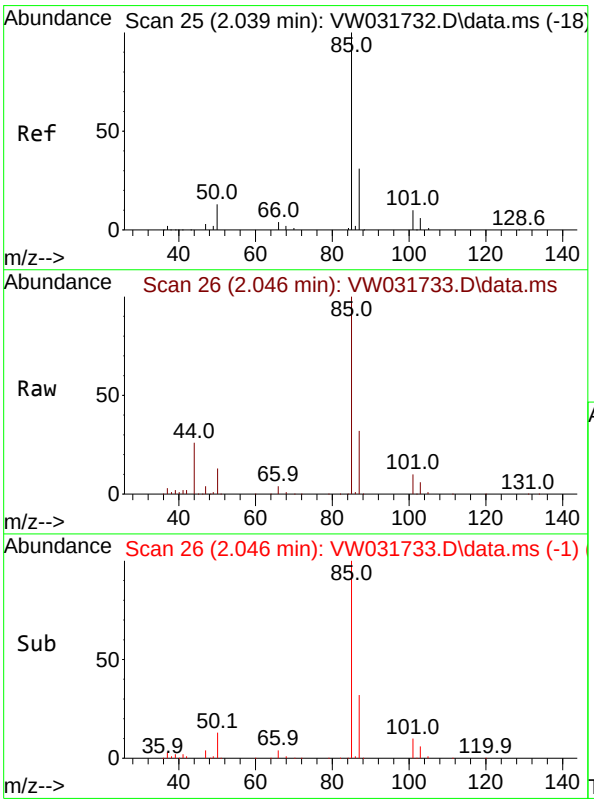
Ion	Ratio	Lower	Upper
168	100		
99	69.0	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

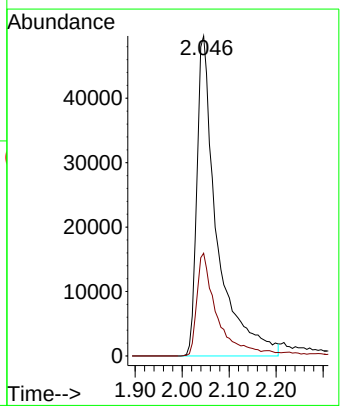
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

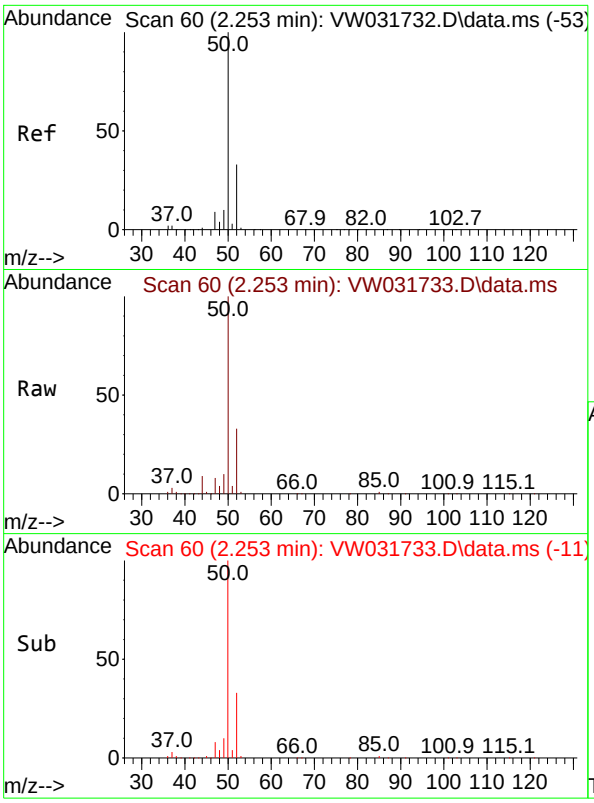


#2
Dichlorodifluoromethane
Concen: 96.542 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 85 Resp: 147738

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.2

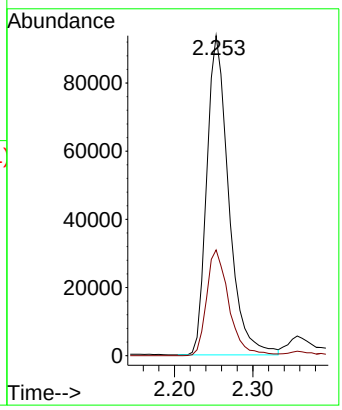




#3
Chloromethane
Concen: 98.692 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 50 Resp: 18208

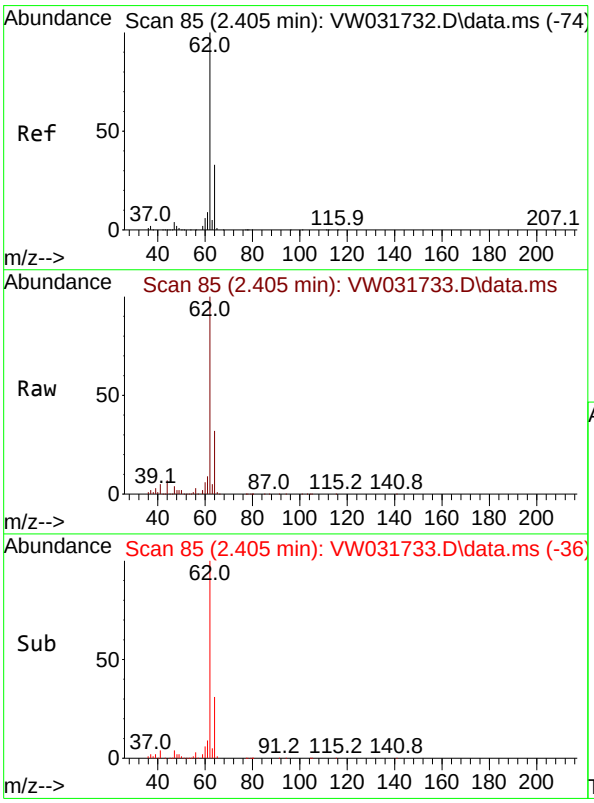
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

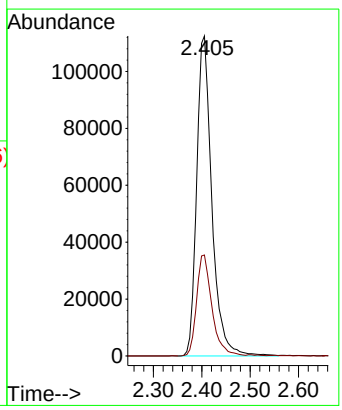
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

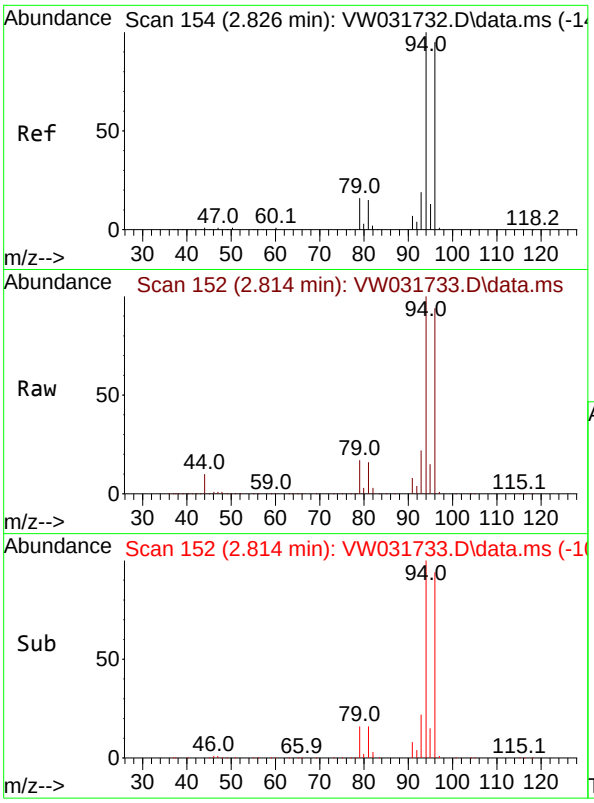


#4
Vinyl Chloride
Concen: 100.935 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 244761

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.8	40.2

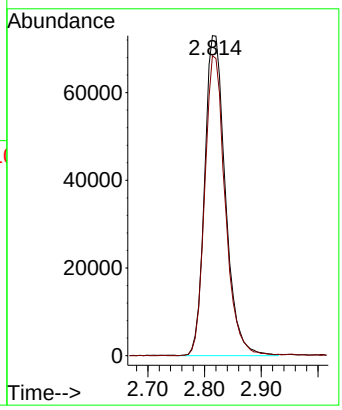




#5
Bromomethane
Concen: 97.666 ug/l
RT: 2.814 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 94 Resp: 18498

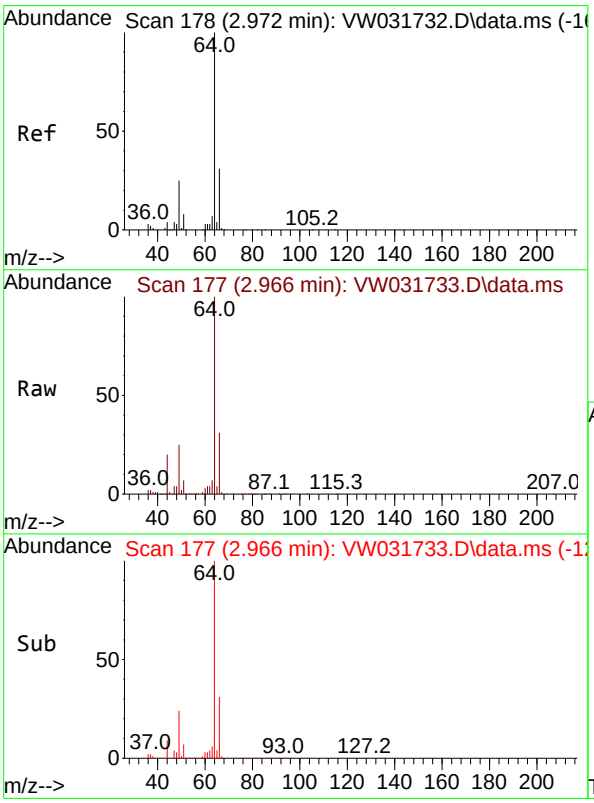
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

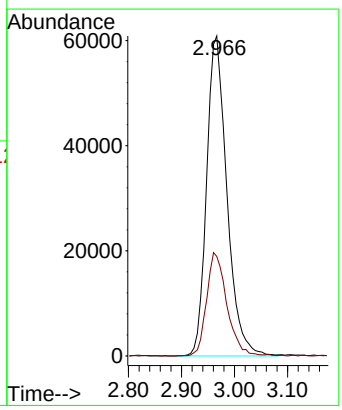
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

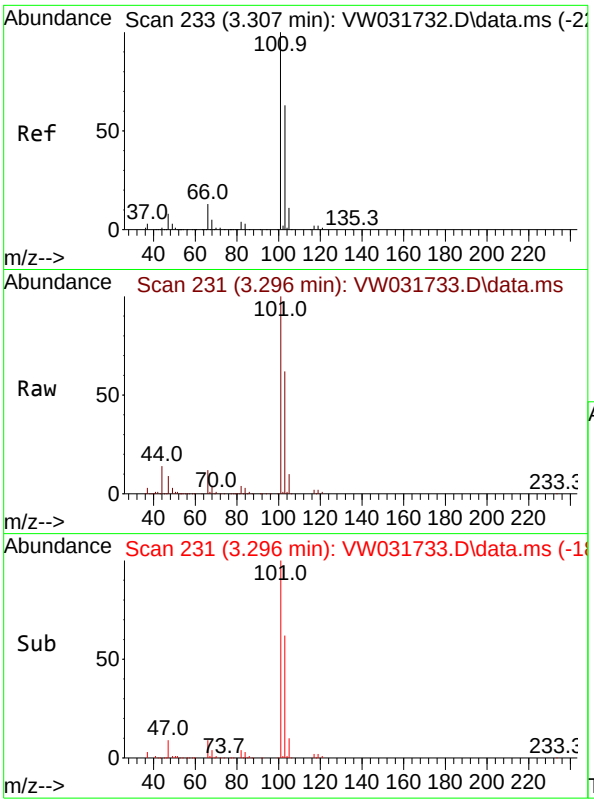


#6
Chloroethane
Concen: 98.201 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 64 Resp: 161756

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.5	36.7

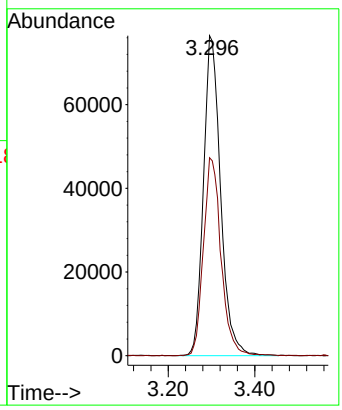




#7
Trichlorofluoromethane
Concen: 95.160 ug/l
RT: 3.296 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:101 Resp: 20956

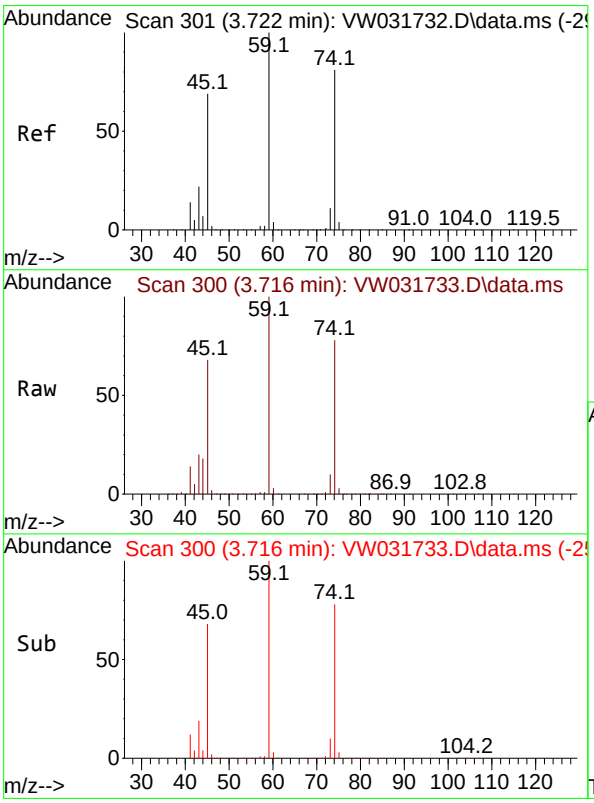
Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

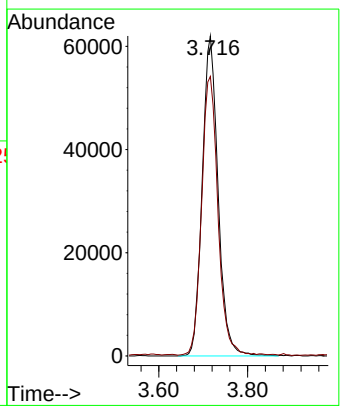
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

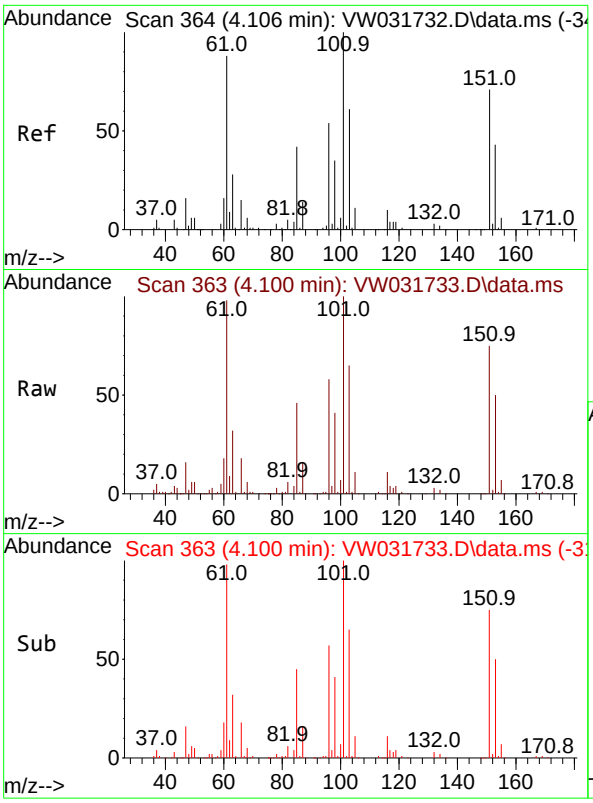


#8
Diethyl Ether
Concen: 92.052 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 74 Resp: 154043

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7

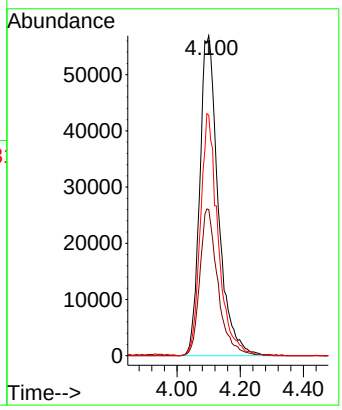




#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.998 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:101 Resp: 23221

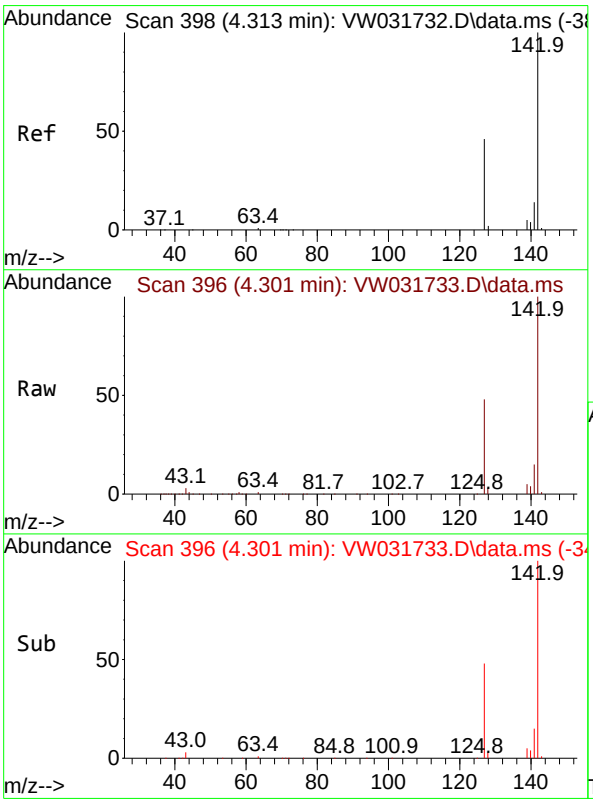
Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.6	53.4
151	72.1	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

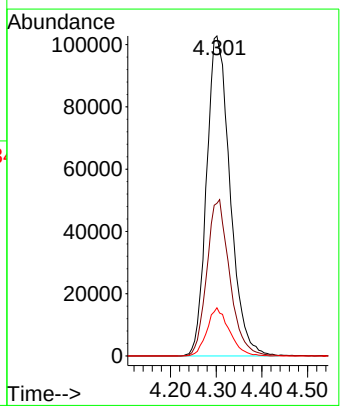
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

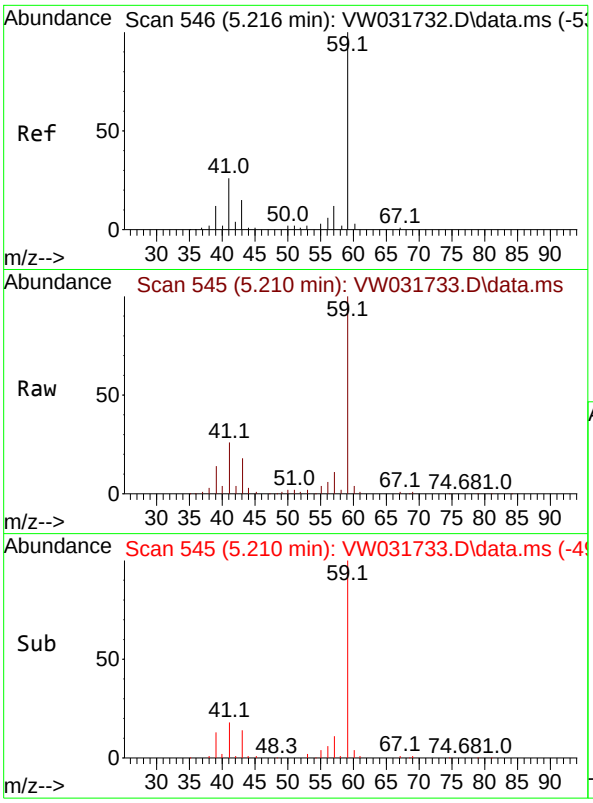


#10
Methyl Iodide
Concen: 97.112 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:142 Resp: 365954

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.9	56.9
141	14.4	11.7	17.5

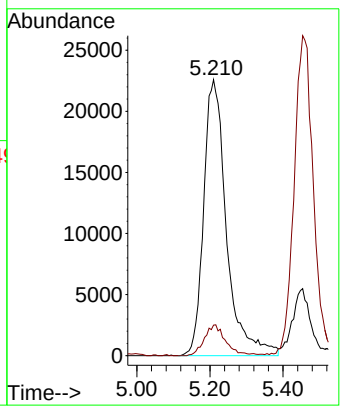




#11
Tert butyl alcohol
Concen: 489.014 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 59 Resp: 9769

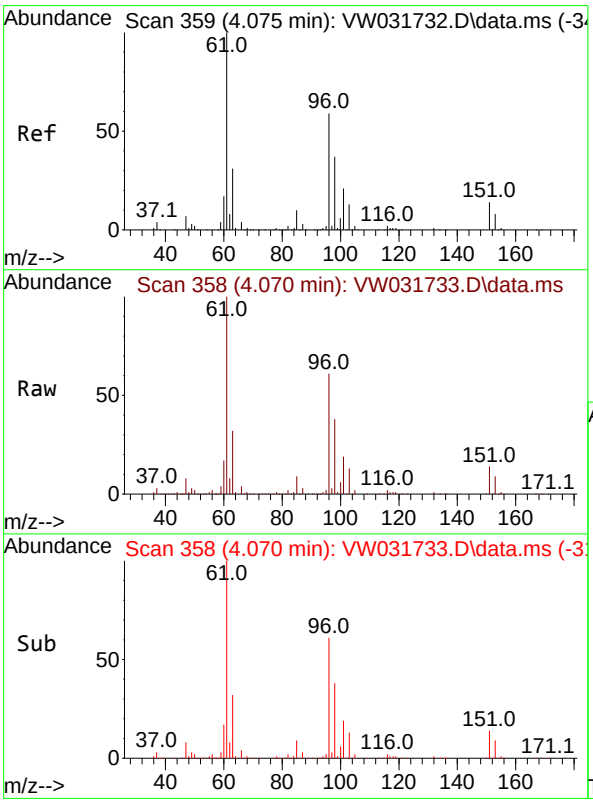
Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

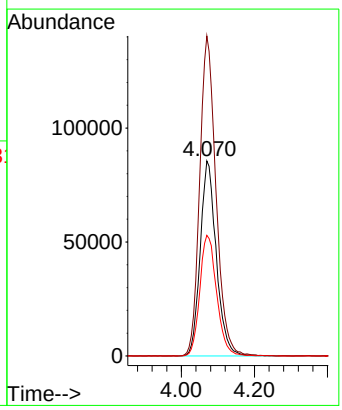
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

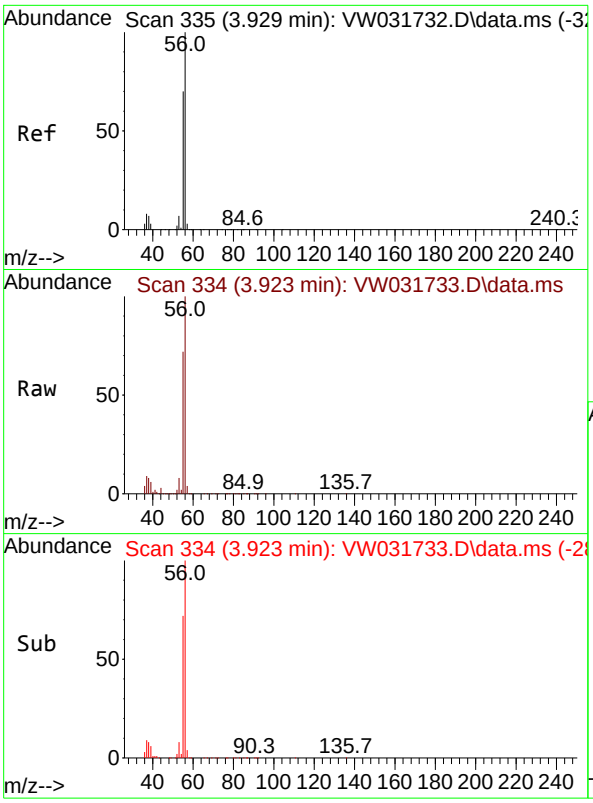


#12
1,1-Dichloroethene
Concen: 97.519 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 96 Resp: 261103

Ion	Ratio	Lower	Upper
96	100		
61	164.1	135.8	203.8
98	61.9	50.4	75.6

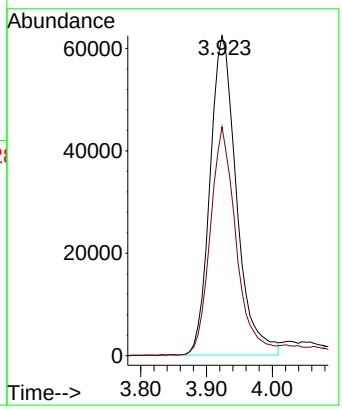




#13
Acrolein
Concen: 487.715 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 56 Resp: 17512

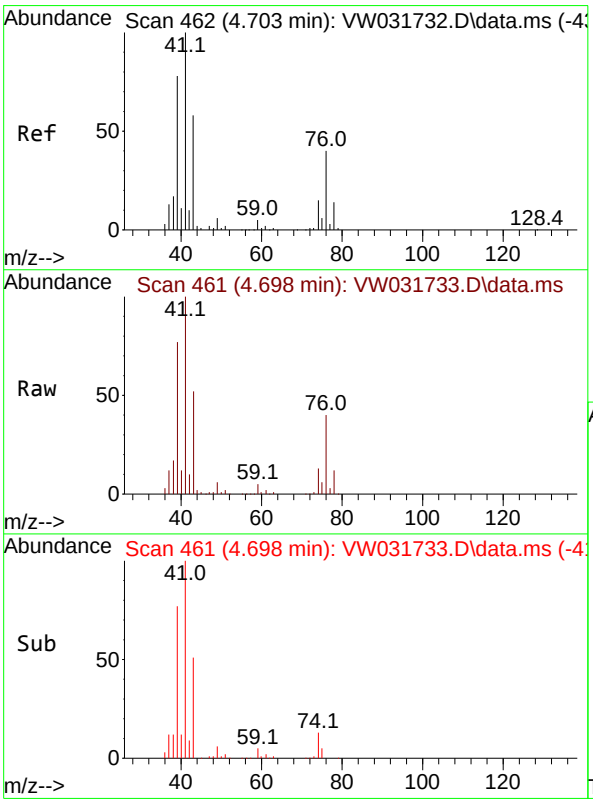
Ion	Ratio	Lower	Upper
56	100		
55	69.6	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

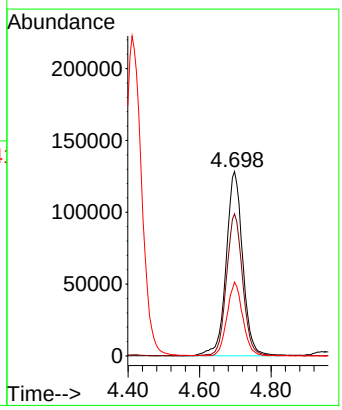
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

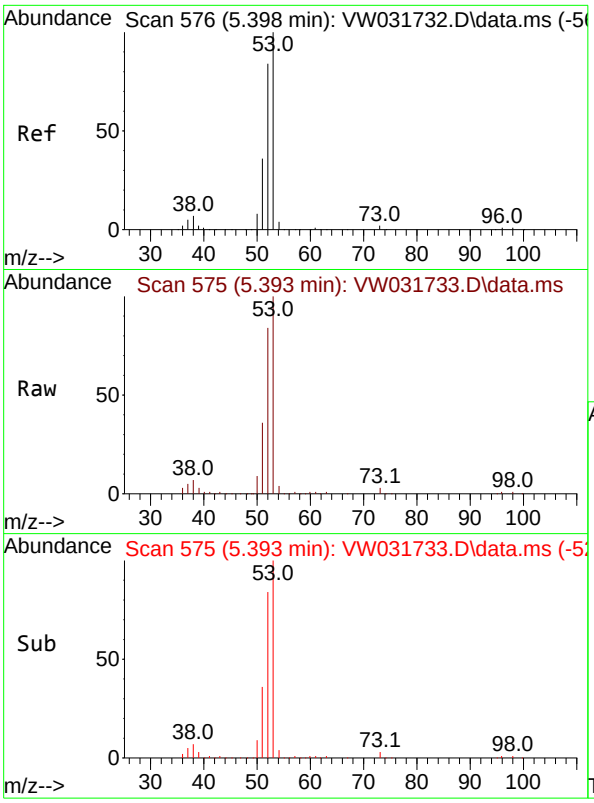


#14
Allyl chloride
Concen: 100.521 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 412947

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.7	91.1
76	37.5	30.3	45.5

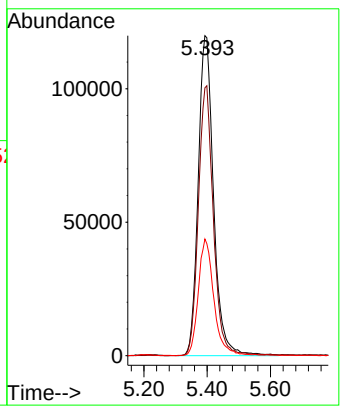




#15
Acrylonitrile
Concen: 493.345 ug/l
RT: 5.393 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 53 Resp: 40598

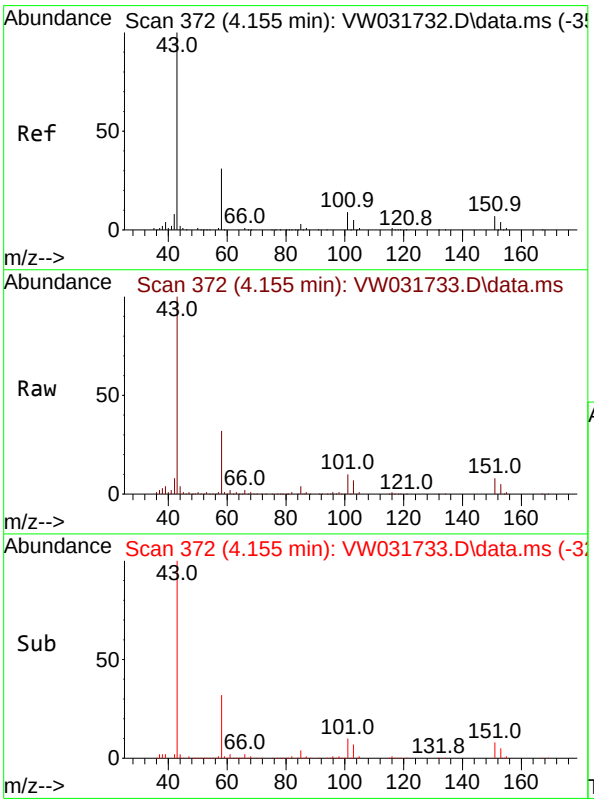
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.0	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

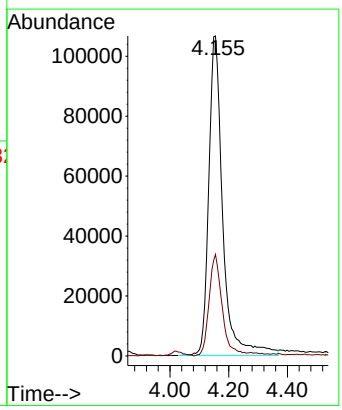
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

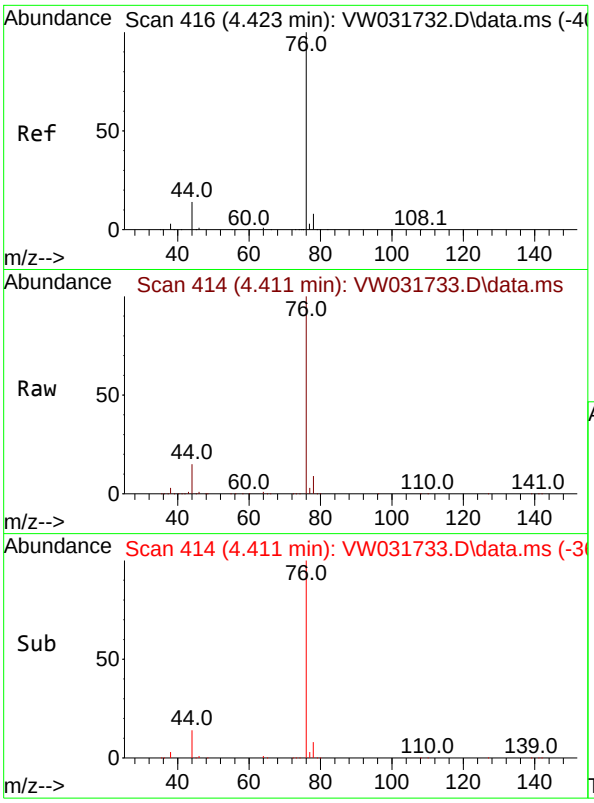


#16
Acetone
Concen: 439.652 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 352601

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2

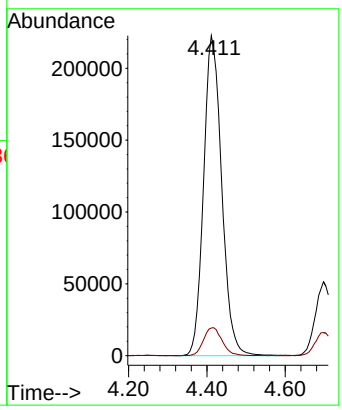




#17
Carbon Disulfide
Concen: 99.742 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 76 Resp: 71462

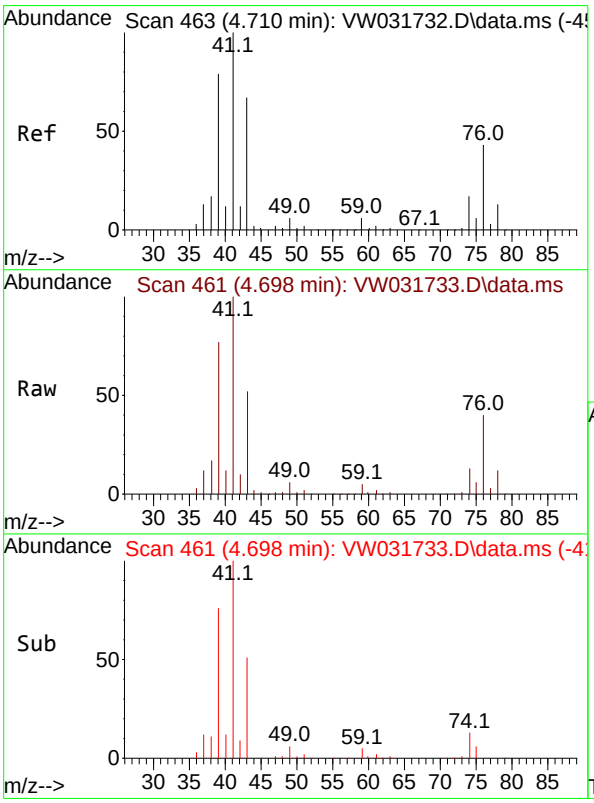
Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

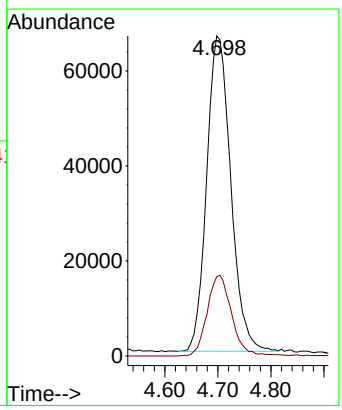
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

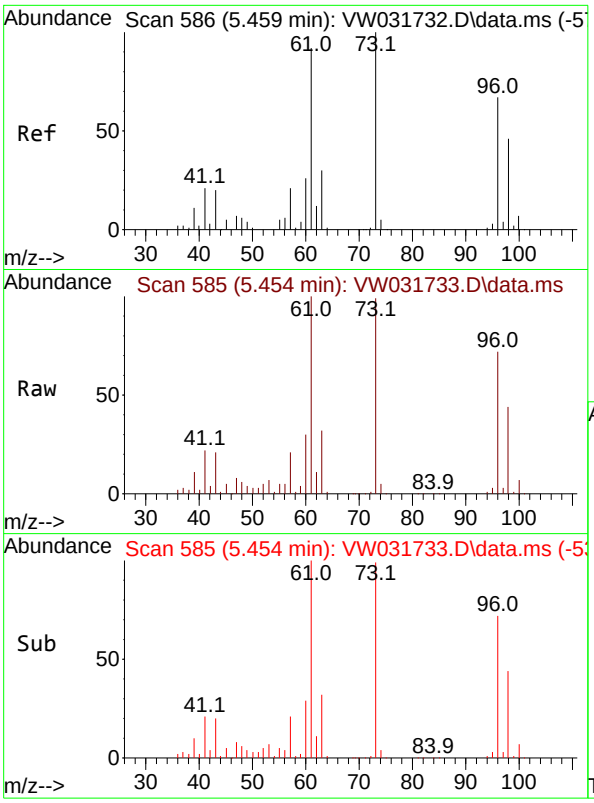


#18
Methyl Acetate
Concen: 92.083 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 209762

Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.6	30.8

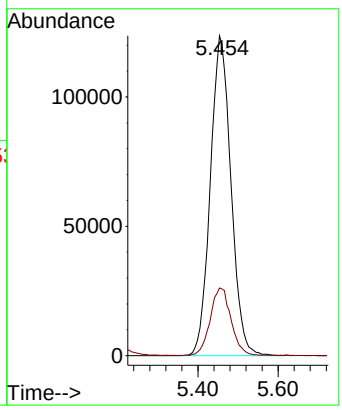




#19
Methyl tert-butyl Ether
Concen: 97.146 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 73 Resp: 44147

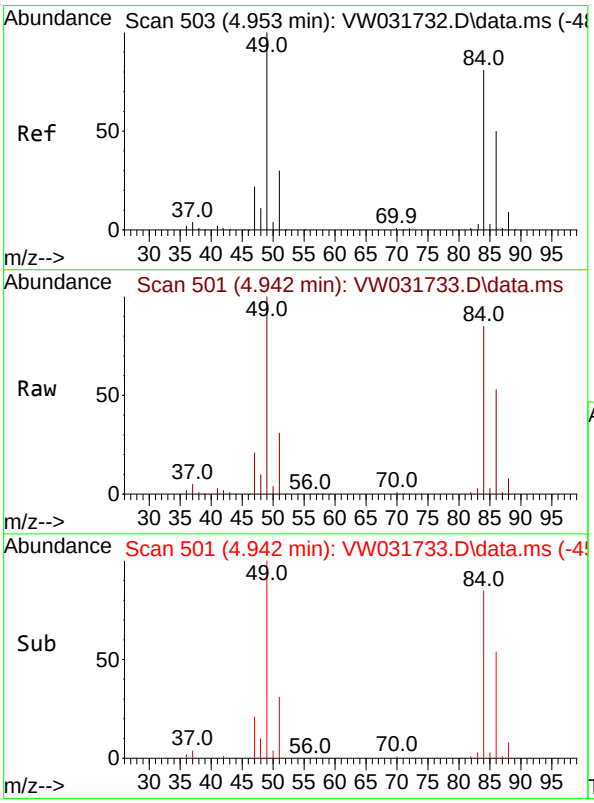
Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

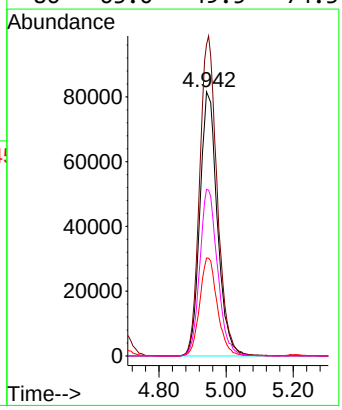
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

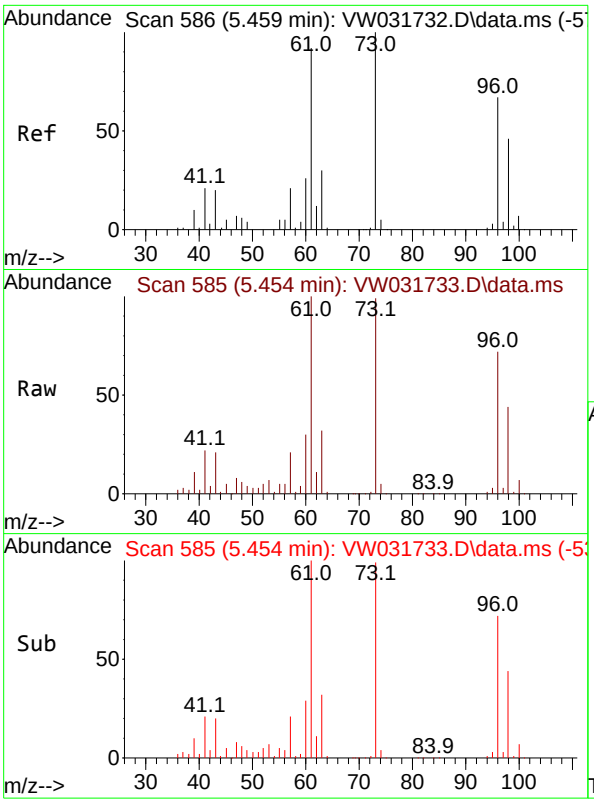


#20
Methylene Chloride
Concen: 99.868 ug/l
RT: 4.942 min Scan# 501
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 84 Resp: 294557

Ion	Ratio	Lower	Upper
84	100		
49	117.8	98.2	147.4
51	37.1	29.8	44.8
86	63.0	49.5	74.3

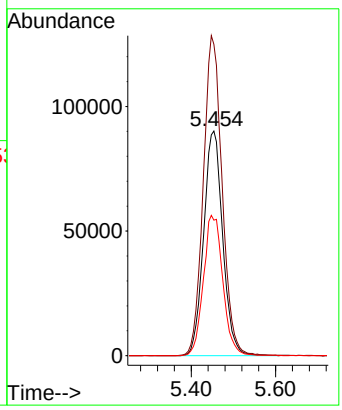




#21
trans-1,2-Dichloroethene
Concen: 99.689 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 96 Resp: 28361

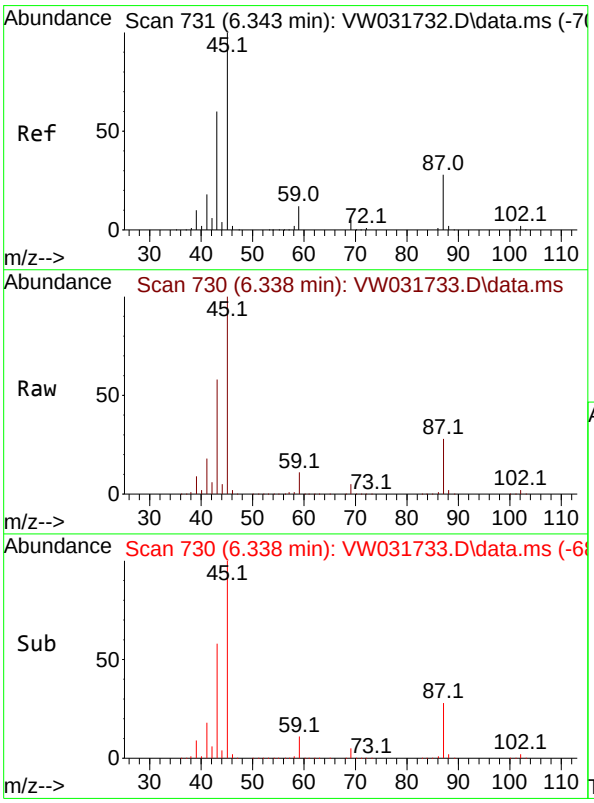
Ion	Ratio	Lower	Upper
96	100		
61	138.5	109.8	164.6
98	60.4	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

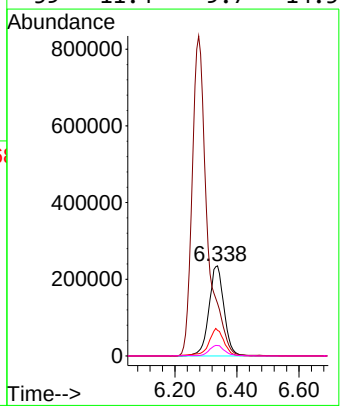
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

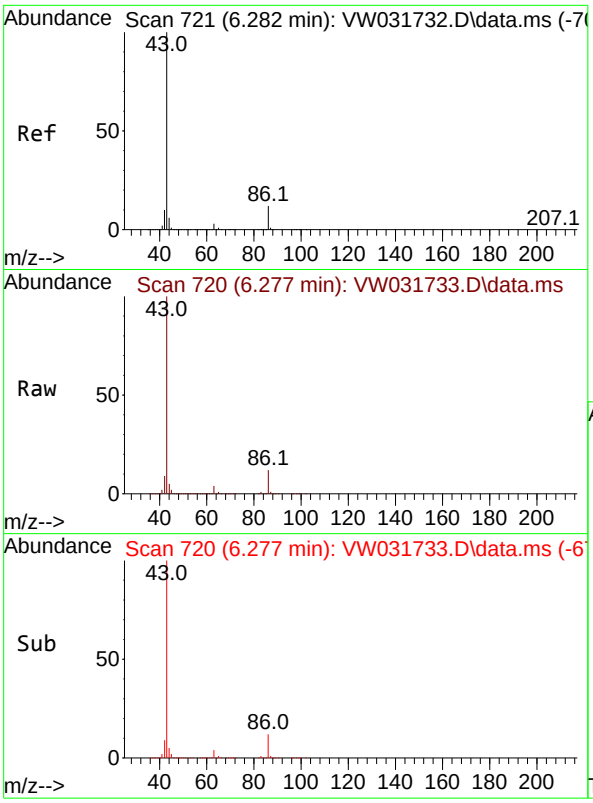


#22
Diisopropyl ether
Concen: 98.968 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 45 Resp: 792929

Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.3	72.5
87	28.5	22.6	34.0
59	11.4	9.7	14.5

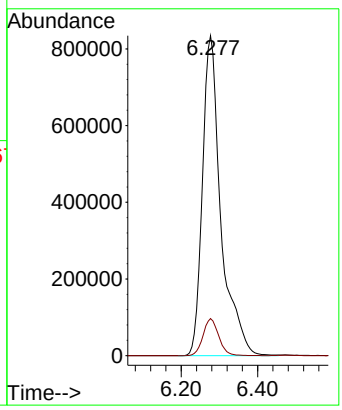




#23
Vinyl Acetate
Concen: 511.492 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 279913

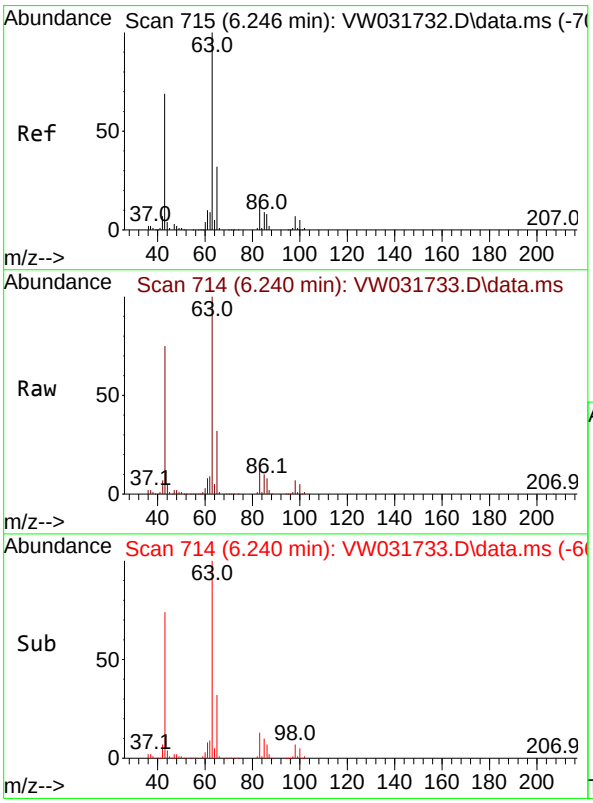
Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

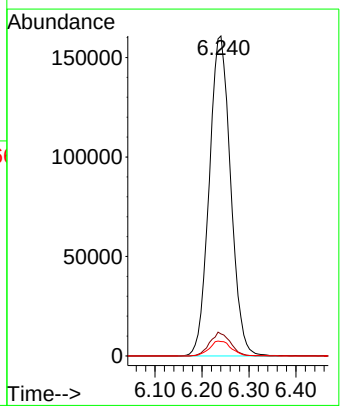
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

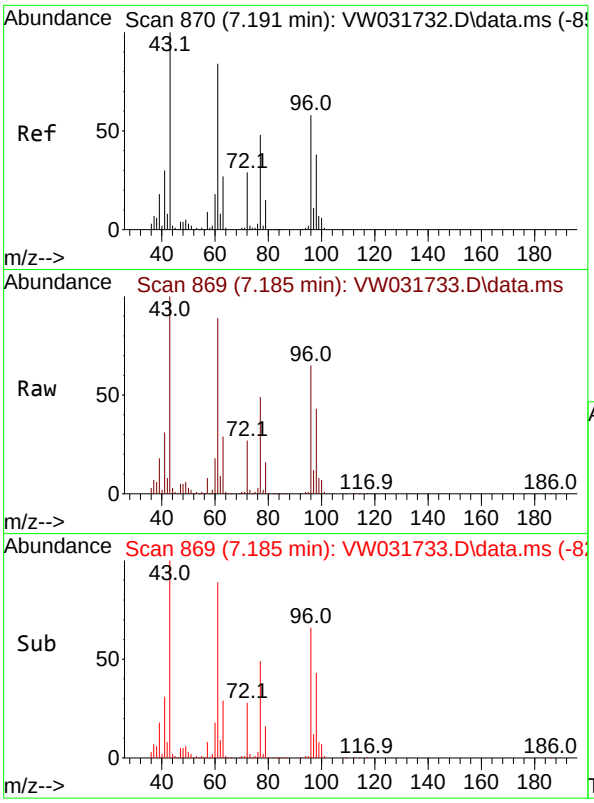


#24
1,1-Dichloroethane
Concen: 97.821 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 508118

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.5	2.5	7.5

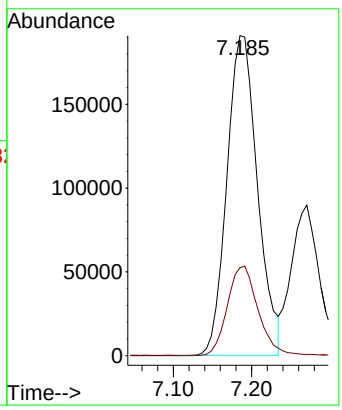




#25
2-Butanone
Concen: 500.581 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 51907

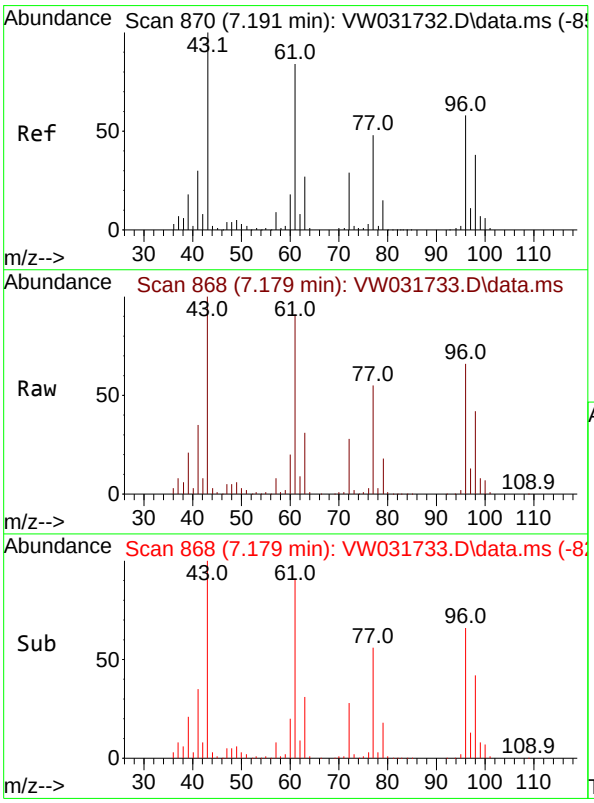
Ion	Ratio	Lower	Upper
43	100		
72	27.5	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

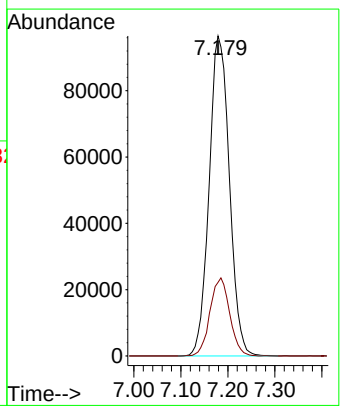
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

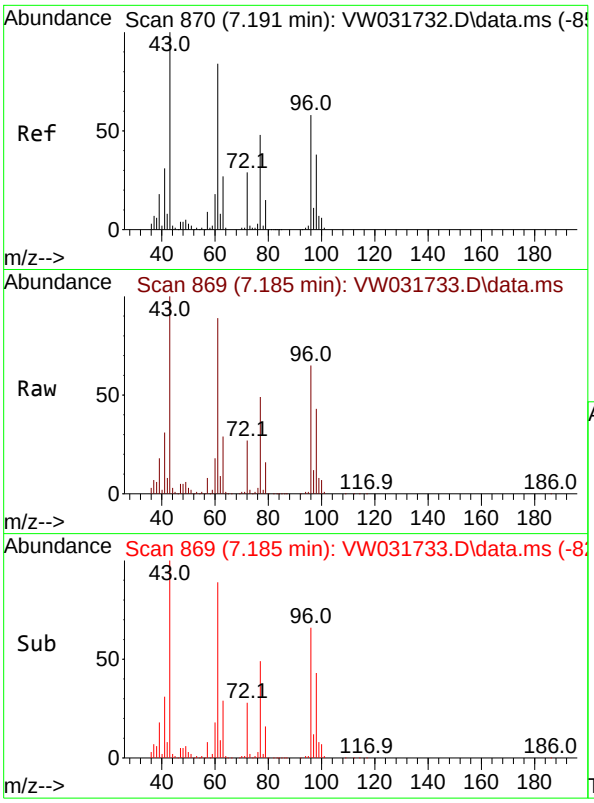


#26
2,2-Dichloropropane
Concen: 95.325 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 77 Resp: 288897

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7

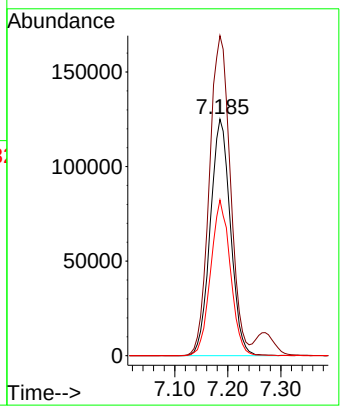




#27
cis-1,2-Dichloroethene
Concen: 101.187 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 96 Resp: 33091

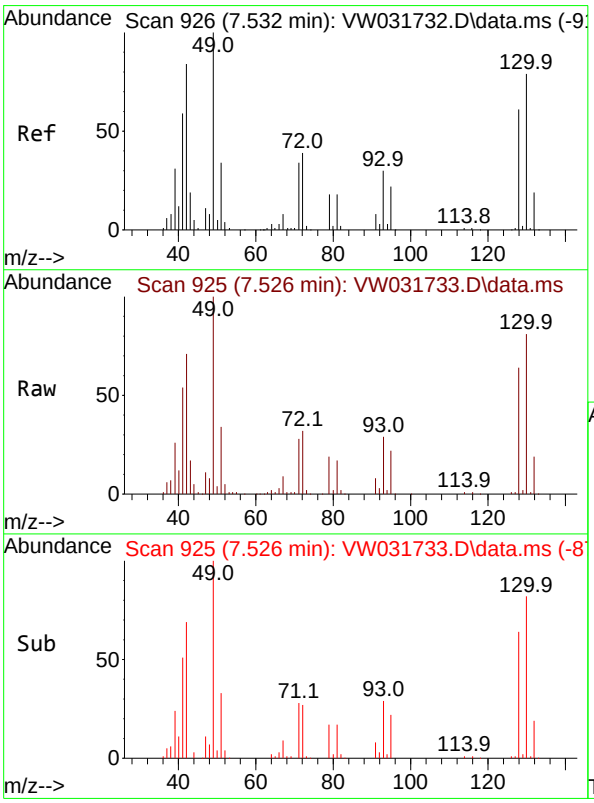
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	286.8
98	64.5	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

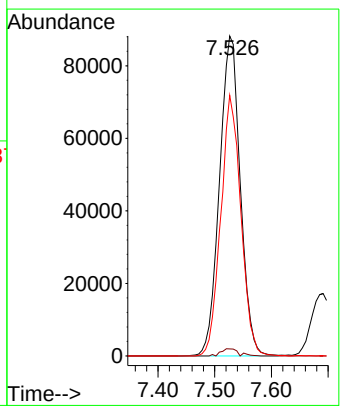
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

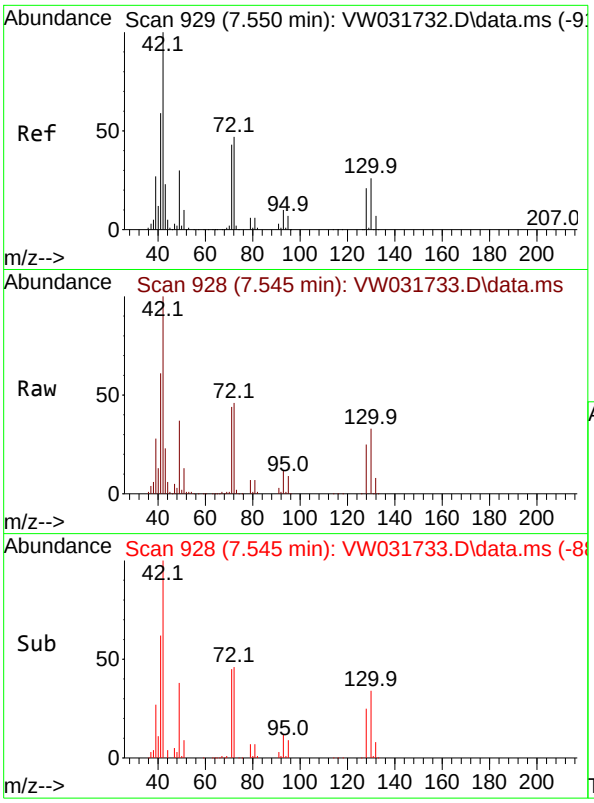


#28
Bromochloromethane
Concen: 97.940 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 49 Resp: 224498

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.4
130	78.7	61.3	91.9





#29
Tetrahydrofuran
Concen: 492.168 ug/l
RT: 7.545 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

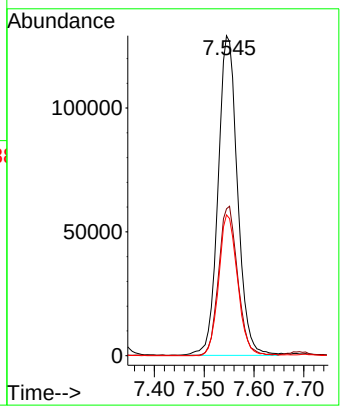
Tgt Ion: 42 Resp: 34950

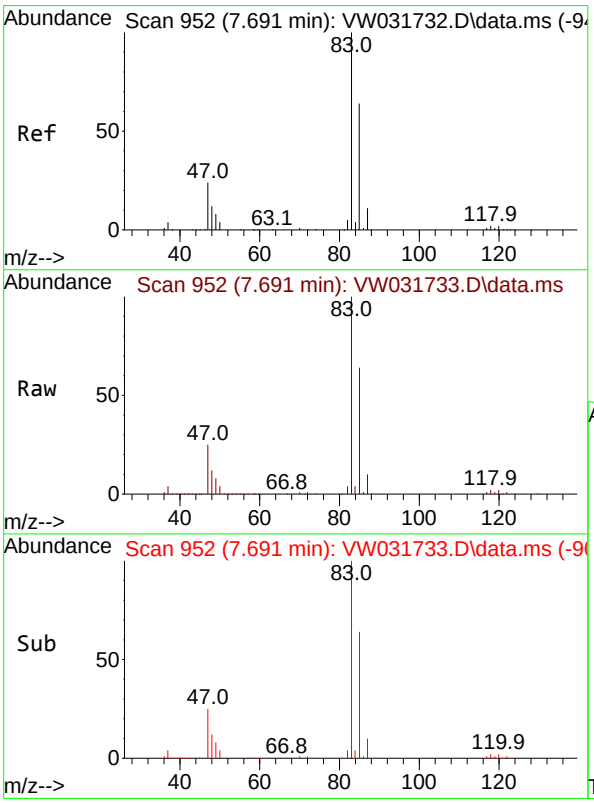
Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.8	55.2
71	42.8	34.6	52.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

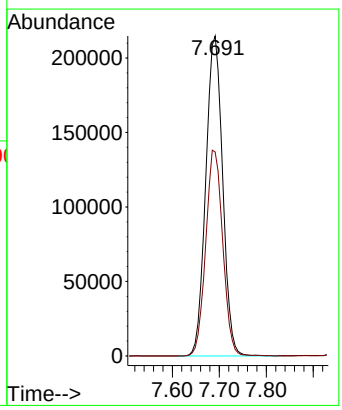


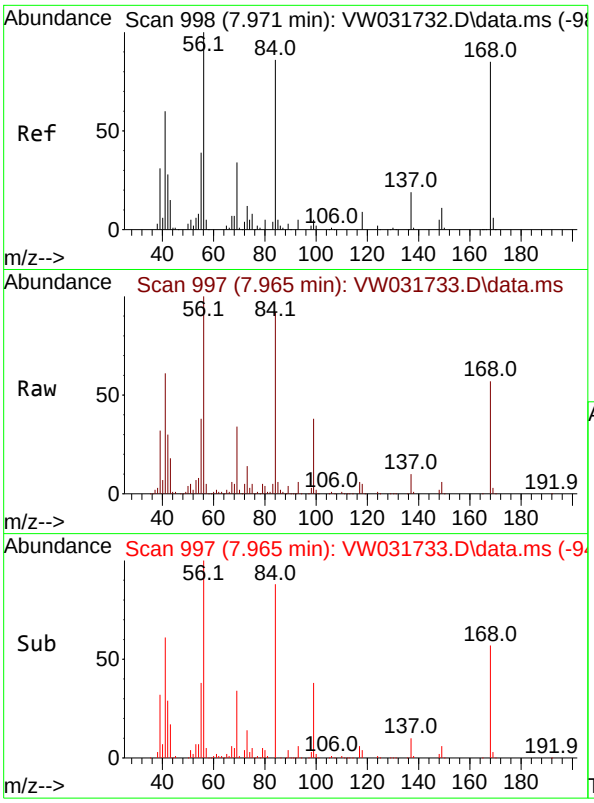


#30
Chloroform
Concen: 96.841 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 83 Resp: 534507

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0

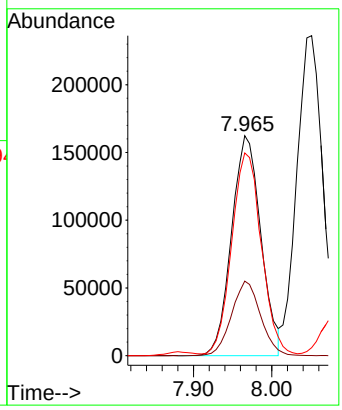




#31
Cyclohexane
Concen: 91.965 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 56 Resp: 42226

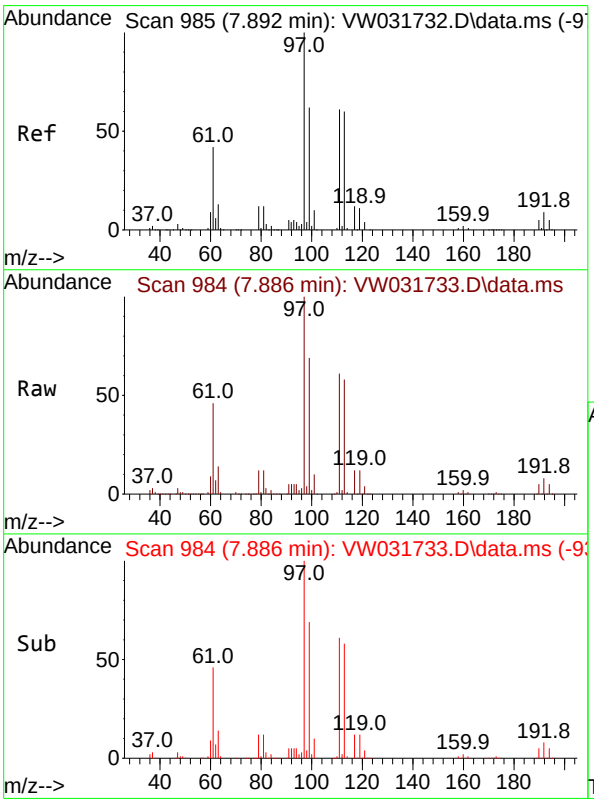
Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.2	40.8
84	90.3	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

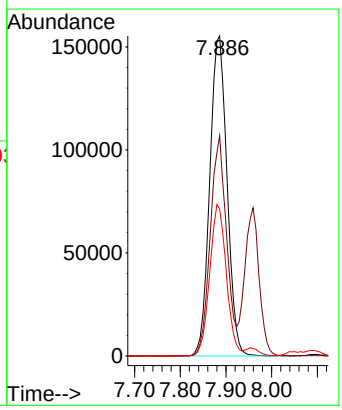
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

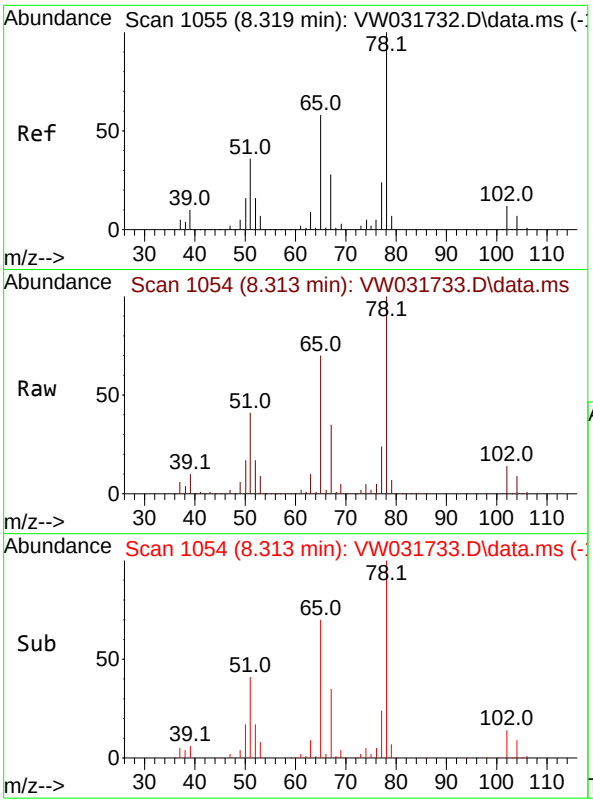


#32
1,1,1-Trichloroethane
Concen: 95.829 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 97 Resp: 407612

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	45.6	36.0	54.0

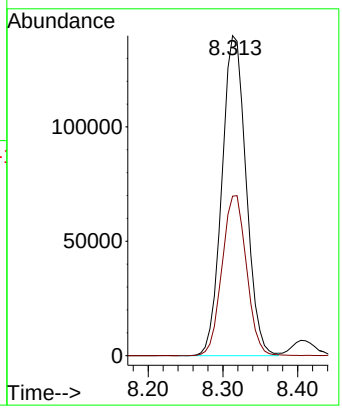




#33
1,2-Dichloroethane-d4
Concen: 97.777 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 65 Resp: 31530

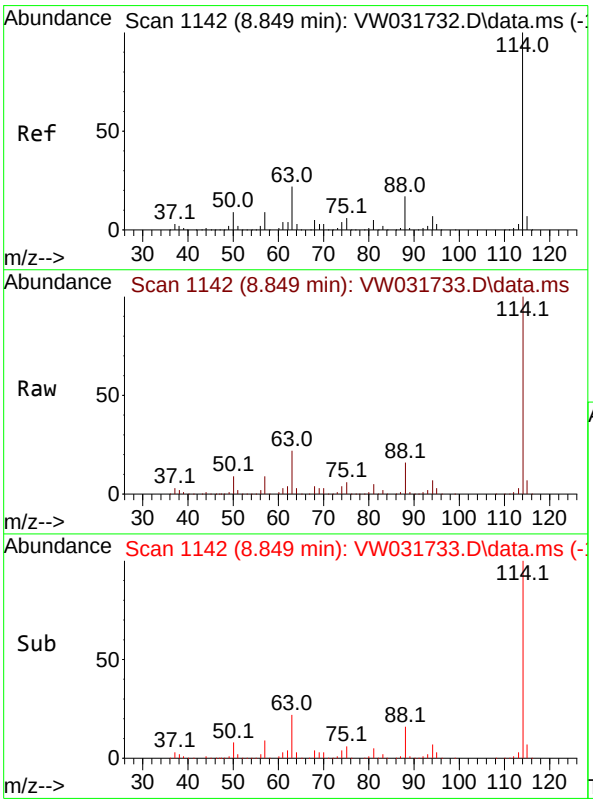
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

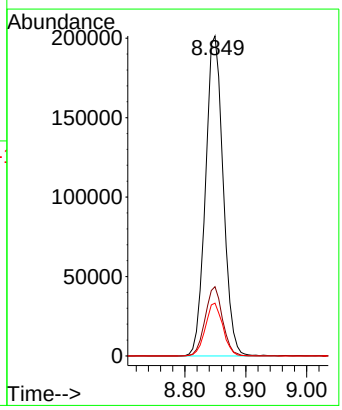
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

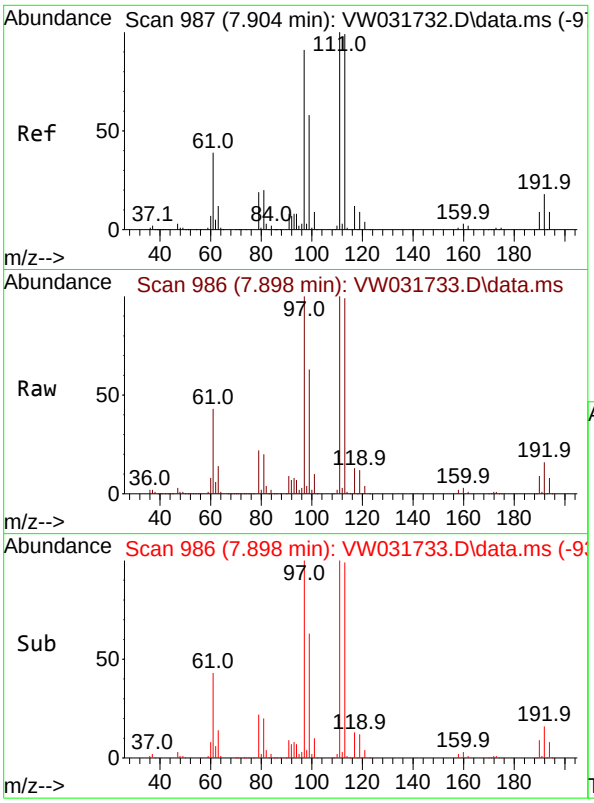


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:114 Resp: 406265

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.6
88	16.5	0.0	34.2

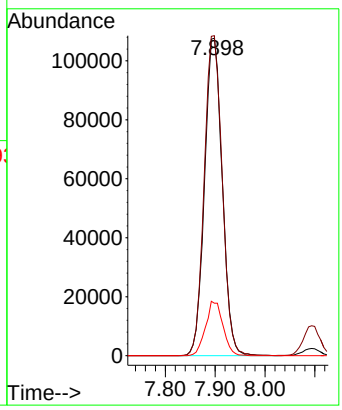




#35
Dibromofluoromethane
Concen: 100.118 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:113 Resp: 26541

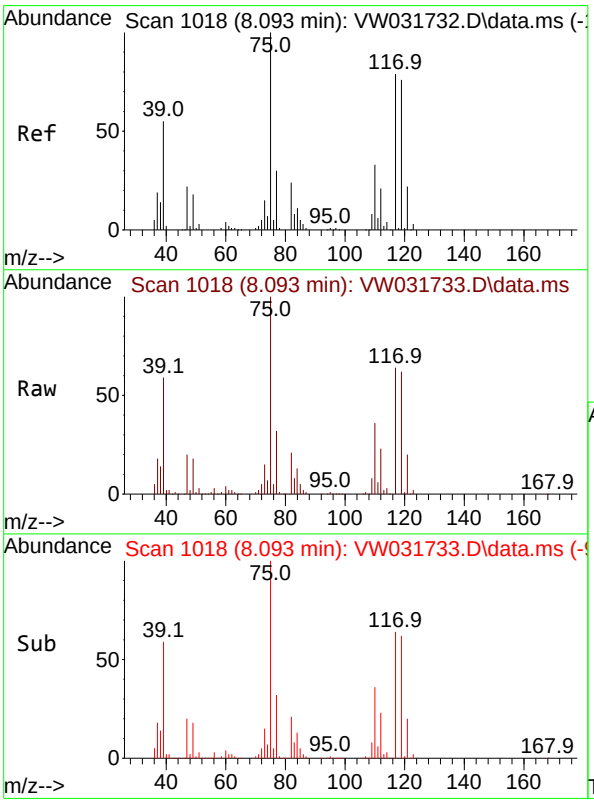
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.1	123.1
192	16.8	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

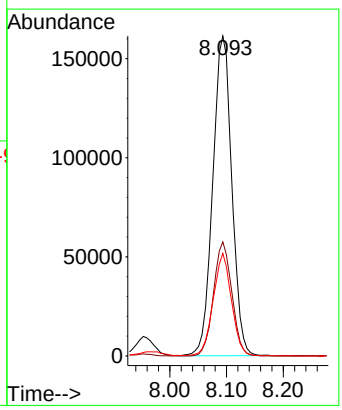
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

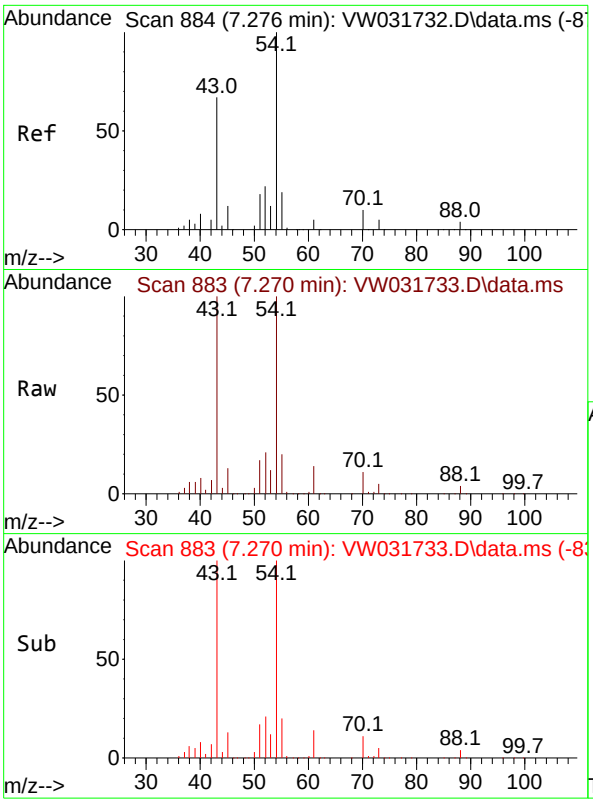


#36
1,1-Dichloropropene
Concen: 97.982 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 375878

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	30.7	25.0	37.6

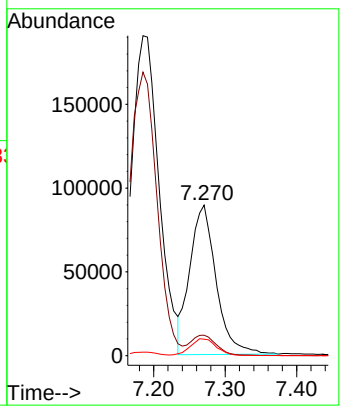




#37
Ethyl Acetate
Concen: 94.474 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 22862

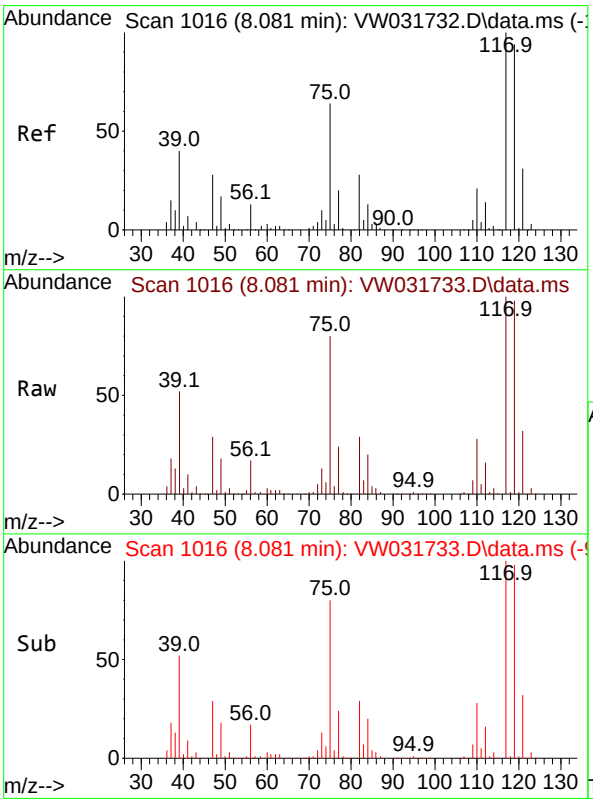
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.2	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

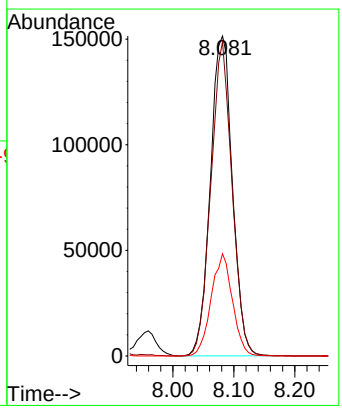
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

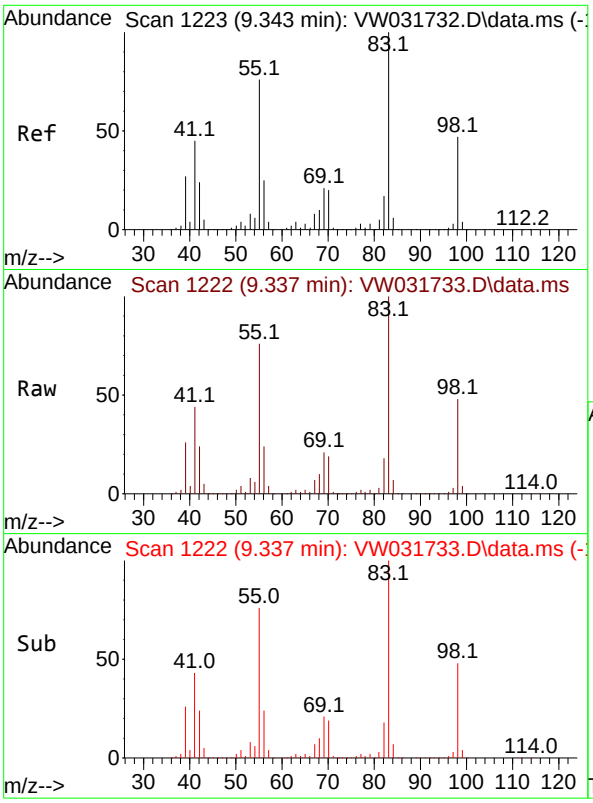


#38
Carbon Tetrachloride
Concen: 97.306 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:117 Resp: 380387

Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.0	112.6
121	31.9	24.6	37.0

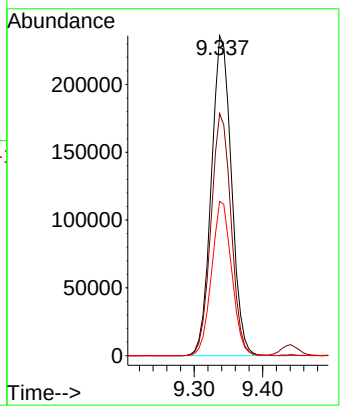




#39
Methylcyclohexane
Concen: 100.834 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 83 Resp: 48127

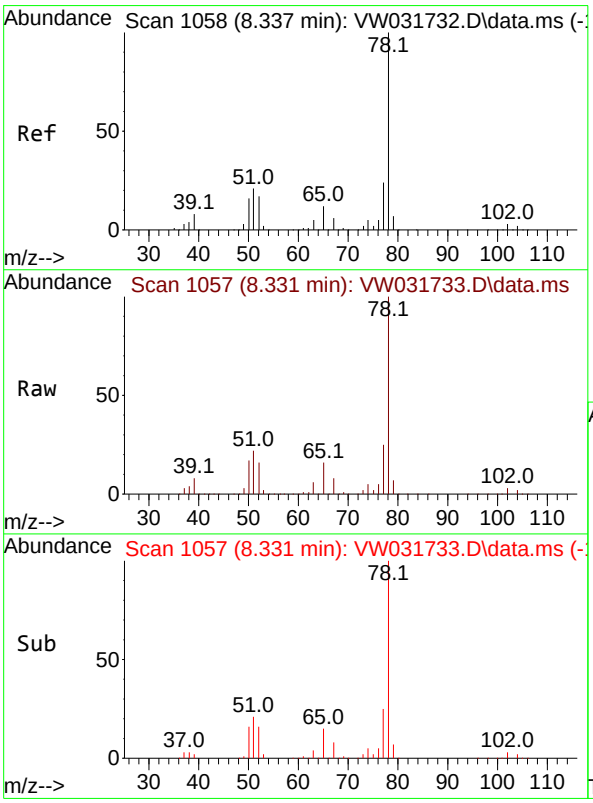
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.4
98	48.2	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

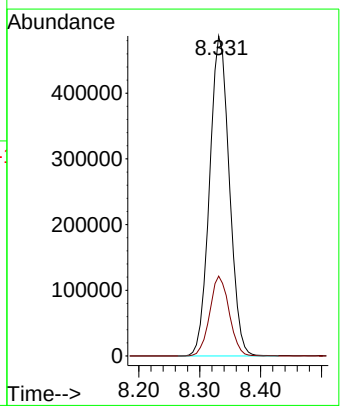
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

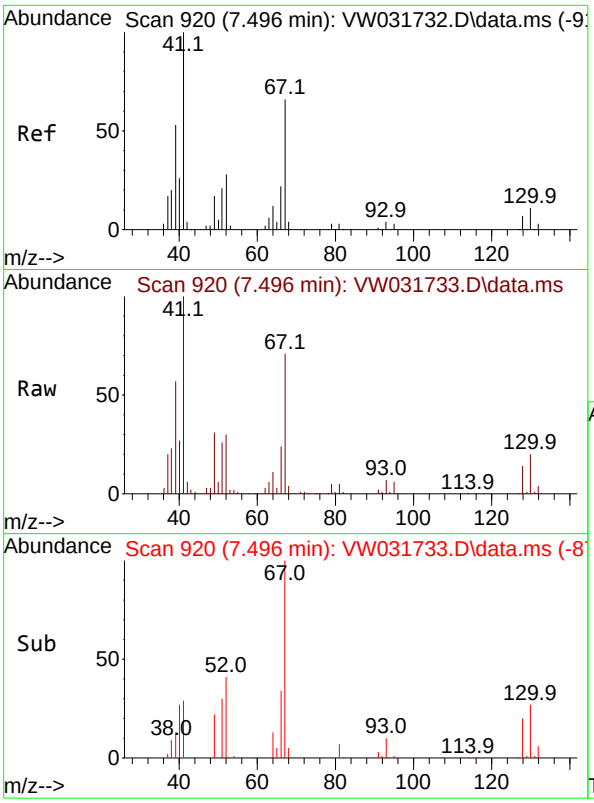


#40
Benzene
Concen: 96.598 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 78 Resp: 1096371

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8

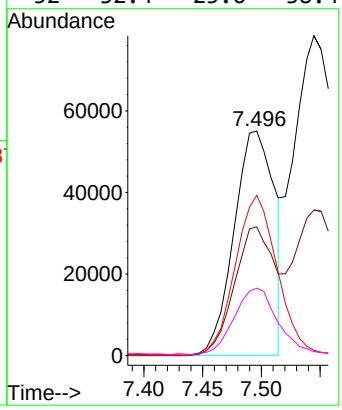




#41
Methacrylonitrile
Concen: 101.206 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 13120

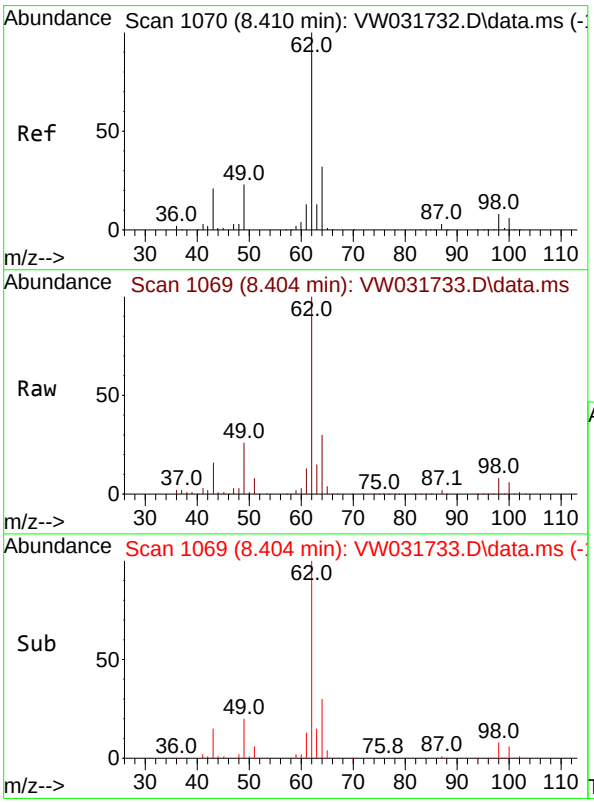
Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.2	64.8
67	75.4	58.1	87.1
52	32.4	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

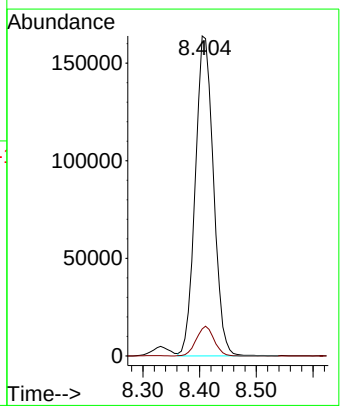
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

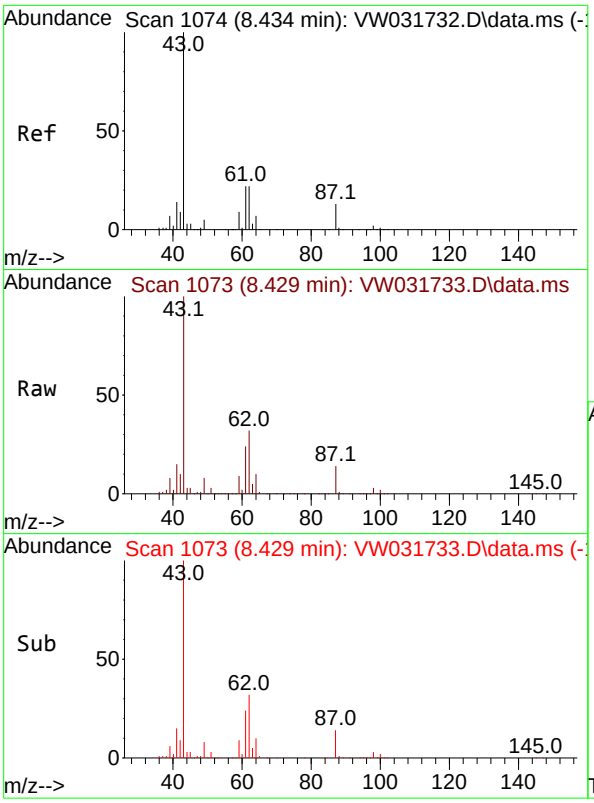


#42
1,2-Dichloroethane
Concen: 95.068 ug/l
RT: 8.404 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 364585

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2

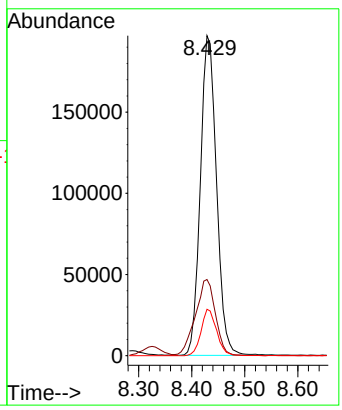




#43
Isopropyl Acetate
Concen: 100.040 ug/l
RT: 8.429 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 41731

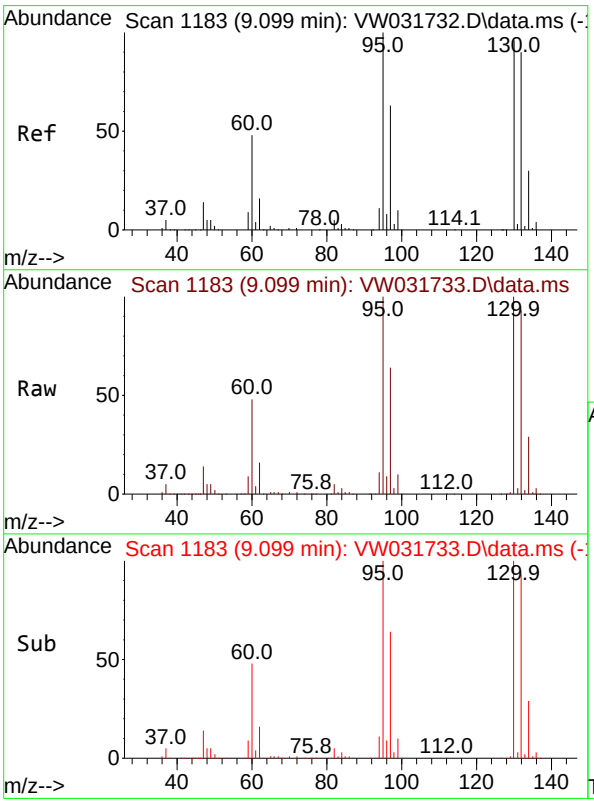
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.1	34.7
87	13.9	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

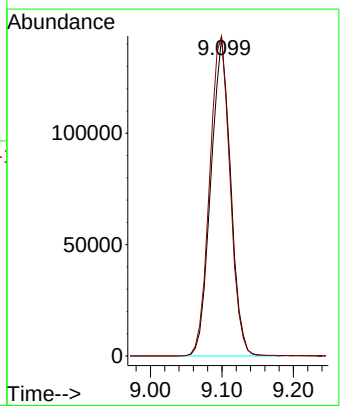
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

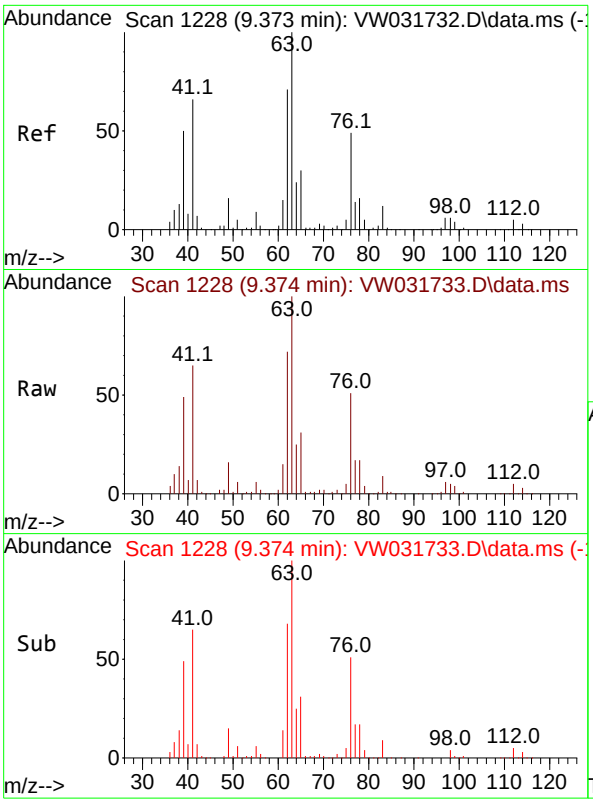


#44
Trichloroethene
Concen: 96.676 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:130 Resp: 273865

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	208.6

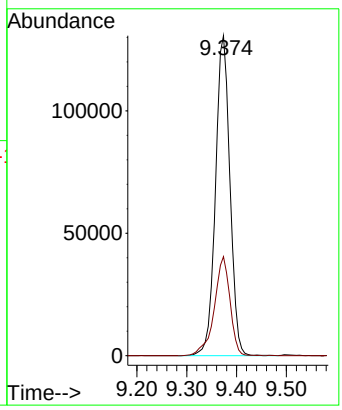




#45
1,2-Dichloropropane
Concen: 95.956 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 26321

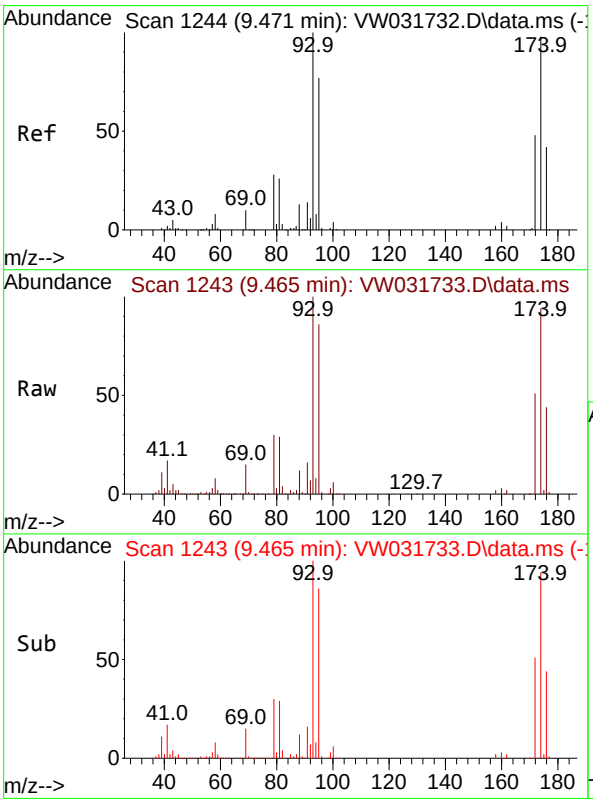
Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

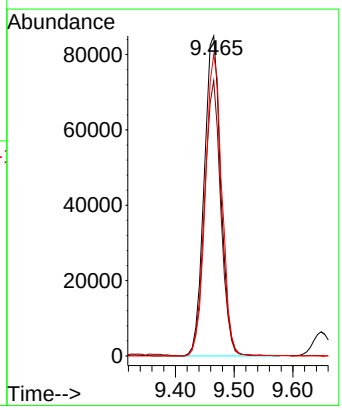
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

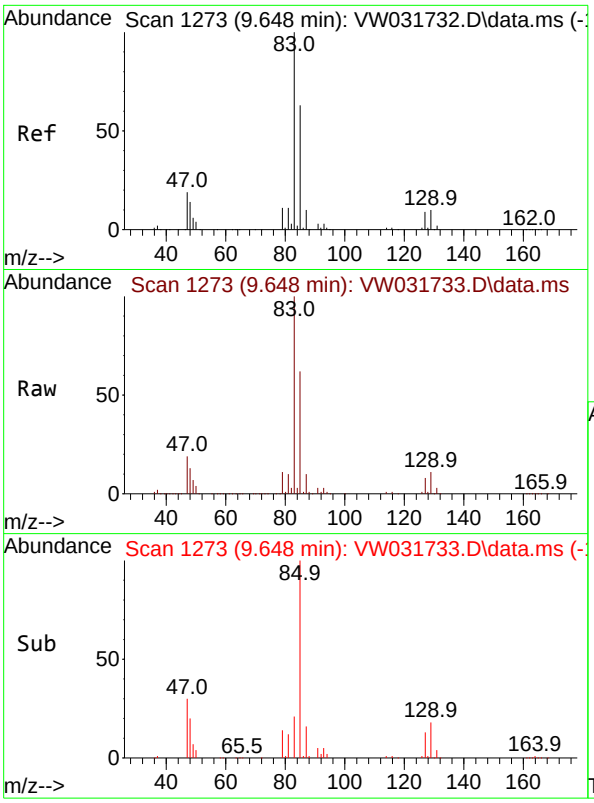


#46
Dibromomethane
Concen: 94.732 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 93 Resp: 167767

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.0	100.4
174	93.3	71.7	107.5

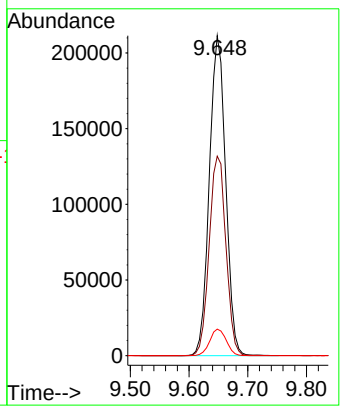




#47
Bromodichloromethane
Concen: 98.177 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 83 Resp: 40771

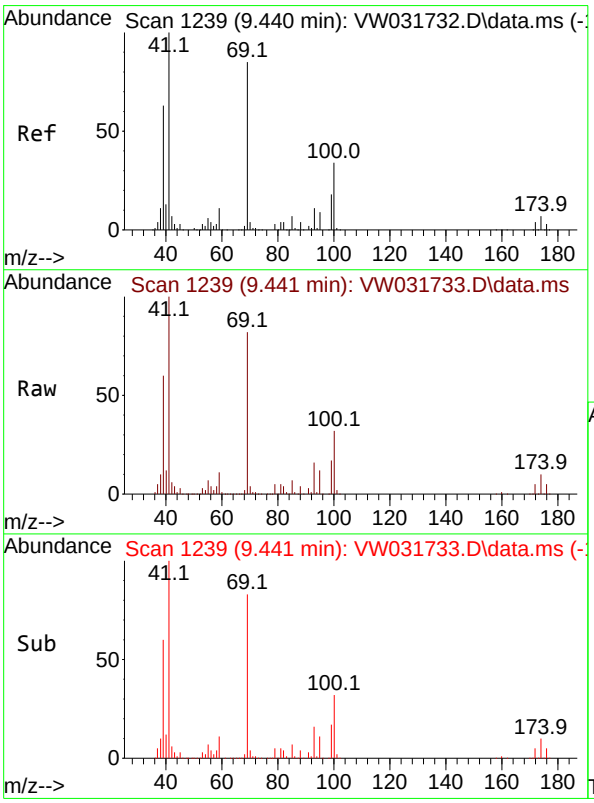
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	8.3	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

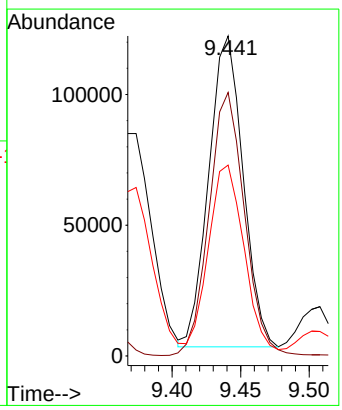
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

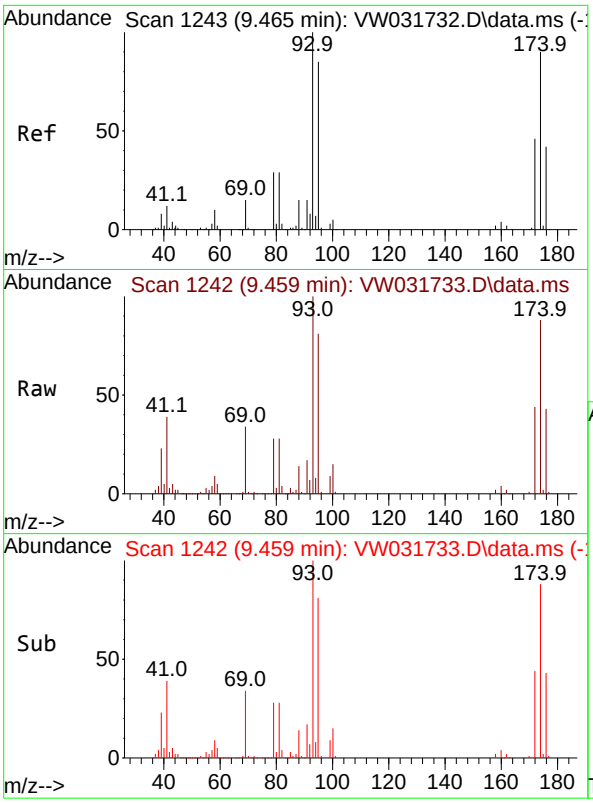


#48
Methyl methacrylate
Concen: 100.953 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 207070

Ion	Ratio	Lower	Upper
41	100		
69	88.0	71.6	107.4
39	59.9	49.5	74.3

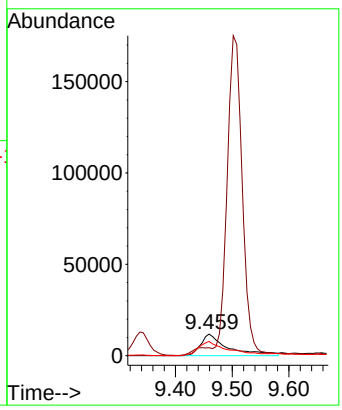




#49
1,4-Dioxane
Concen: 2094.300 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 88 Resp: 3948

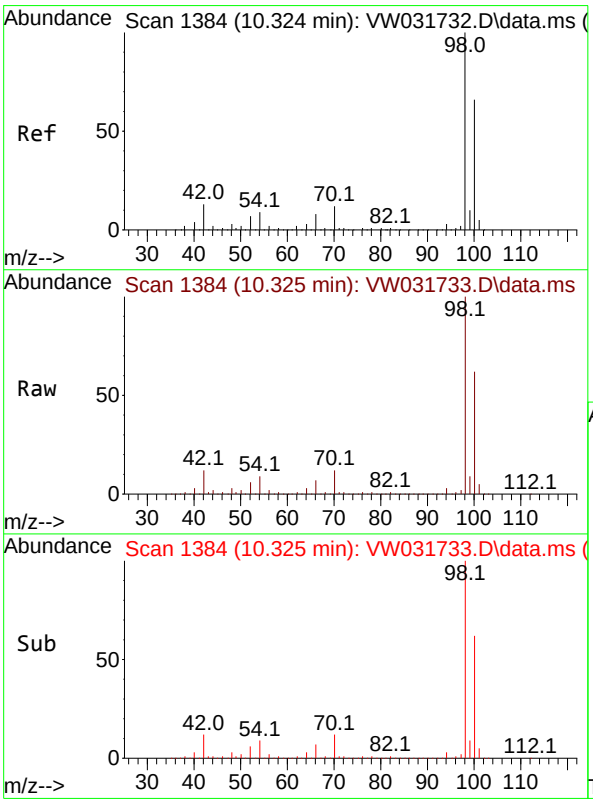
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.3	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

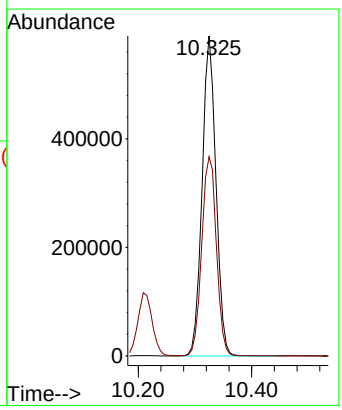
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

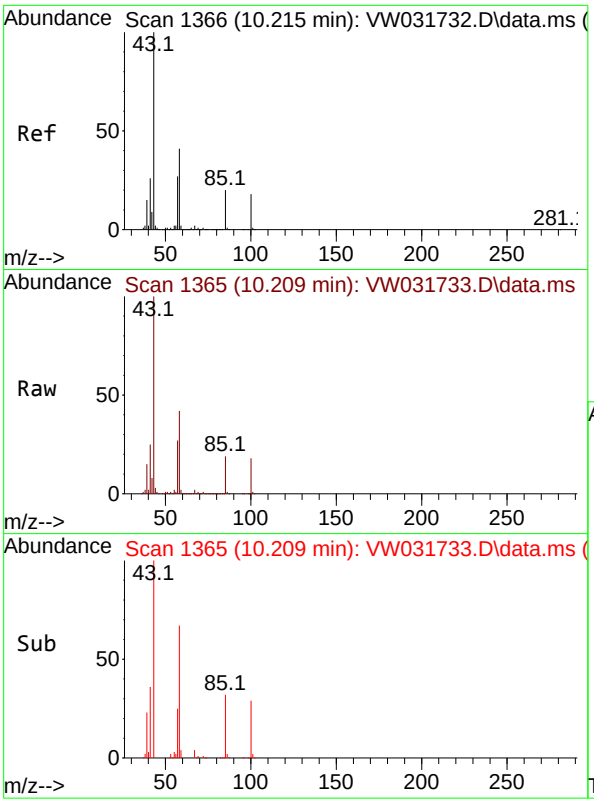


#50
Toluene-d8
Concen: 101.188 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 98 Resp: 998288

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4

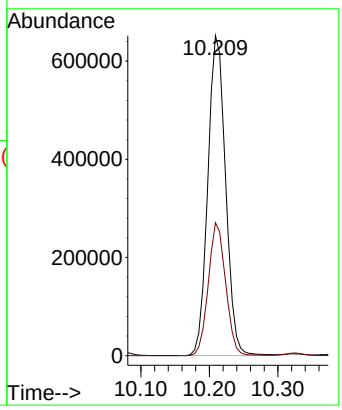




#51
4-Methyl-2-Pentanone
Concen: 489.871 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 117482

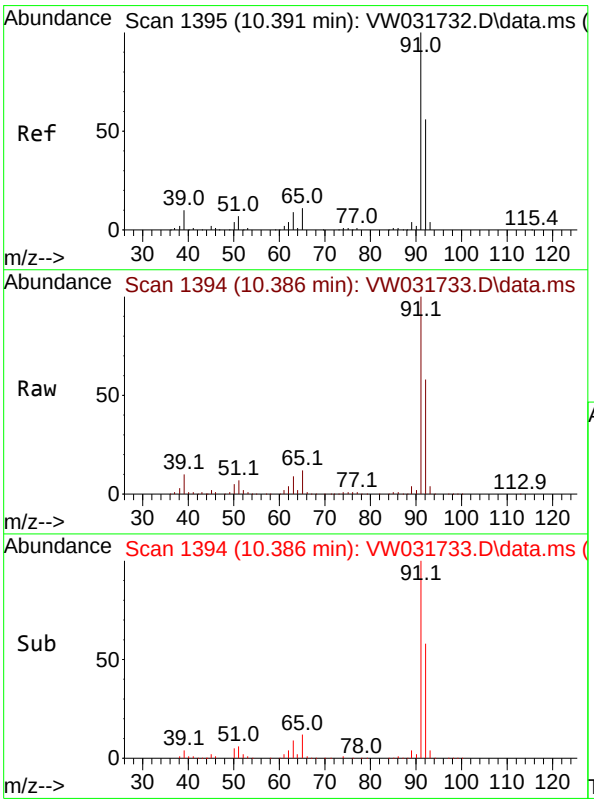
Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

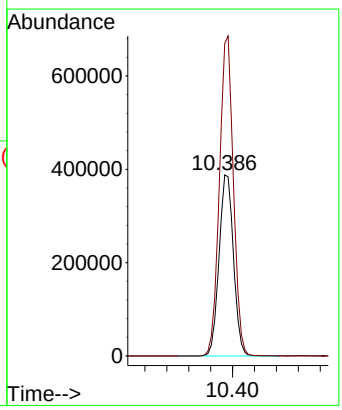
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

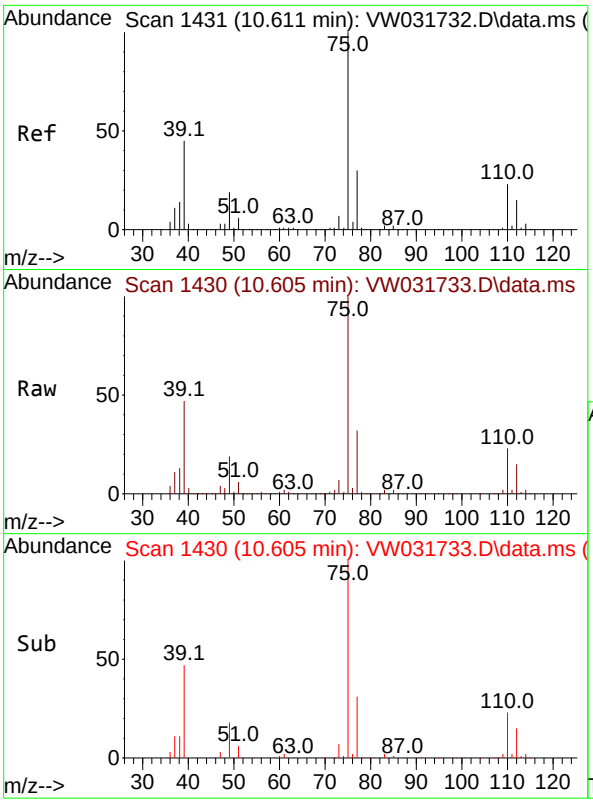


#52
Toluene
Concen: 97.739 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 92 Resp: 710254

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.5	209.3

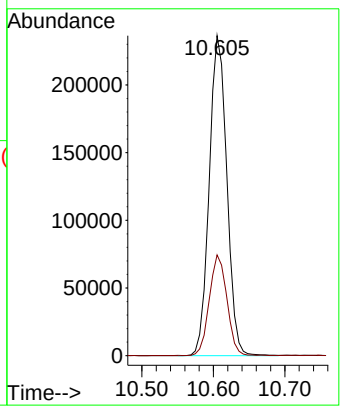




#53
t-1,3-Dichloropropene
Concen: 103.743 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 40422

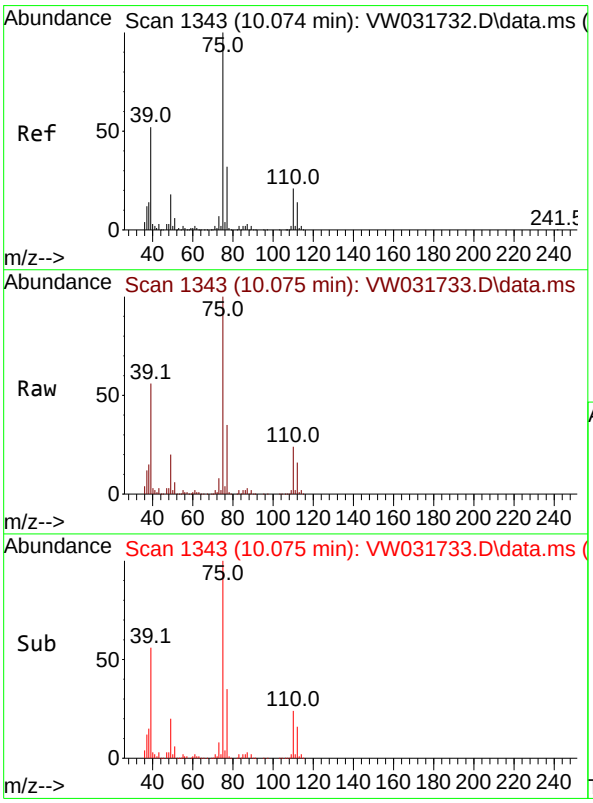
Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

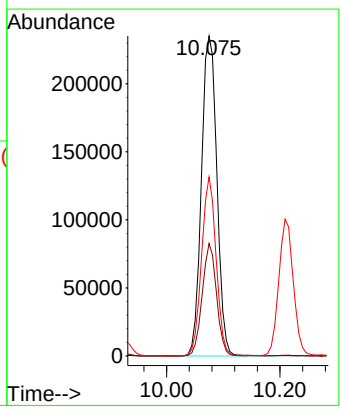
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

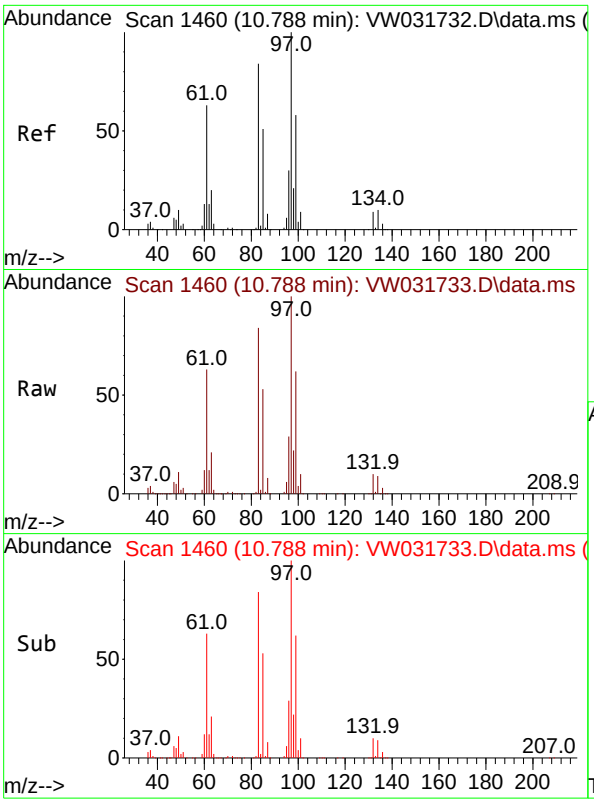


#54
cis-1,3-Dichloropropene
Concen: 100.610 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 444410

Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.4	38.2
39	55.9	41.8	62.6

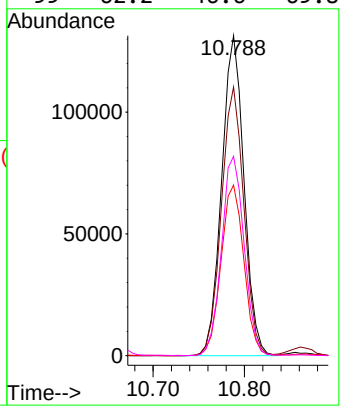




#55
1,1,2-Trichloroethane
Concen: 96.178 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 97 Resp: 22311

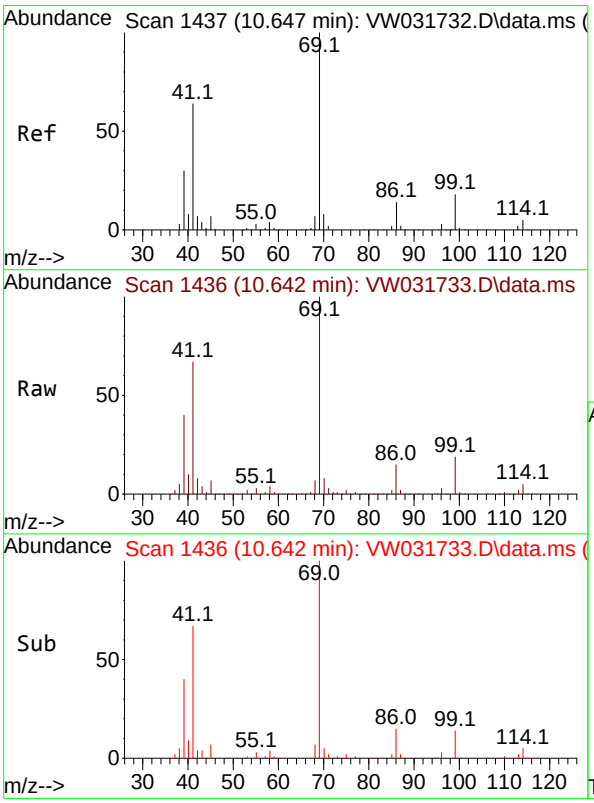
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.9	100.3
85	53.3	41.1	61.7
99	62.2	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

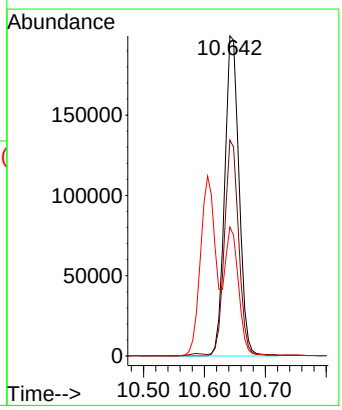
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

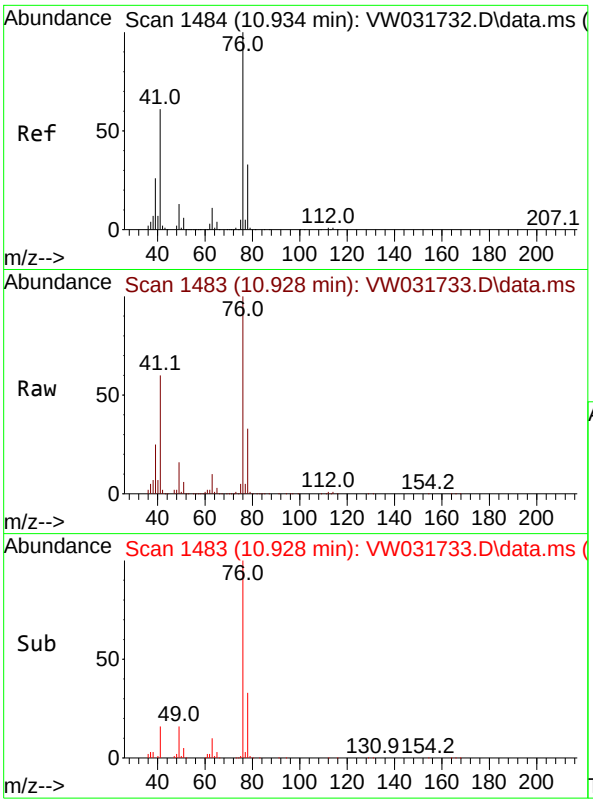


#56
Ethyl methacrylate
Concen: 103.792 ug/l
RT: 10.642 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 69 Resp: 326655

Ion	Ratio	Lower	Upper
69	100		
41	66.2	53.3	79.9
39	35.2	30.2	45.2

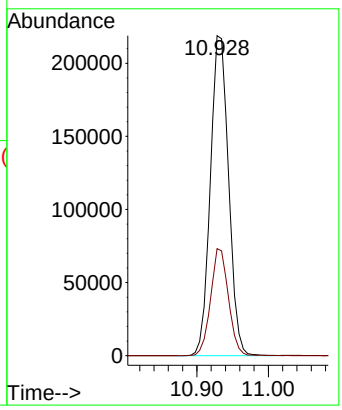




#57
1,3-Dichloropropane
Concen: 95.120 ug/l
RT: 10.928 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 76 Resp: 38741

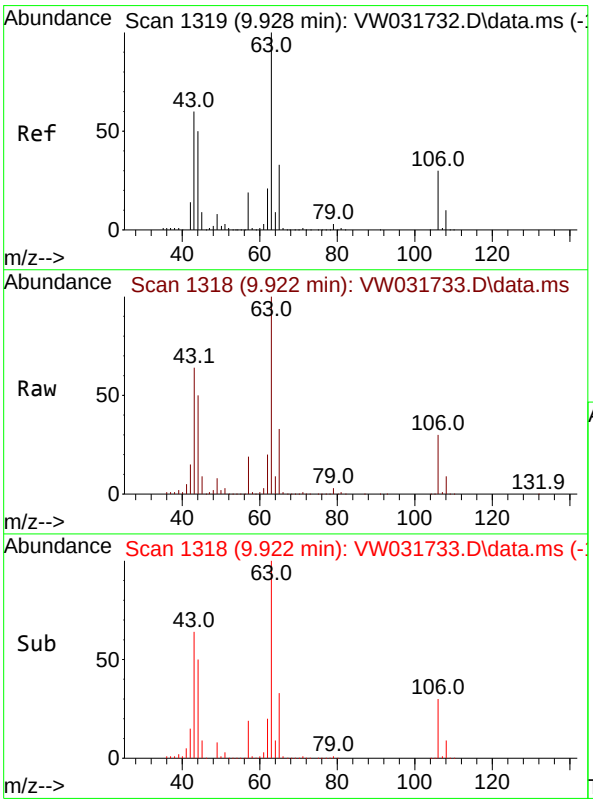
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

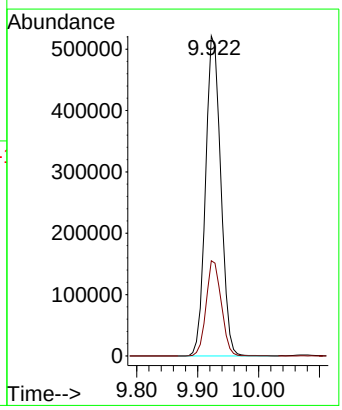
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

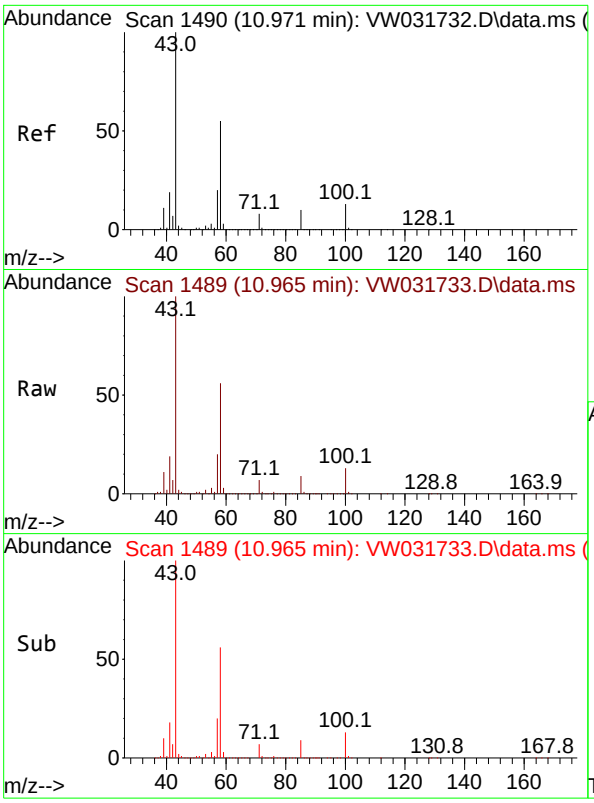


#58
2-Chloroethyl Vinyl ether
Concen: 523.732 ug/l
RT: 9.922 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 907630

Ion	Ratio	Lower	Upper
63	100		
106	29.5	24.1	36.1





#59
2-Hexanone
Concen: 502.809 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

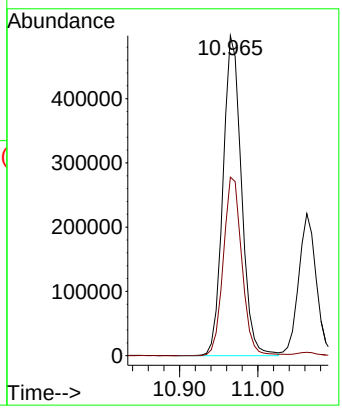
Tgt Ion: 43 Resp: 81713

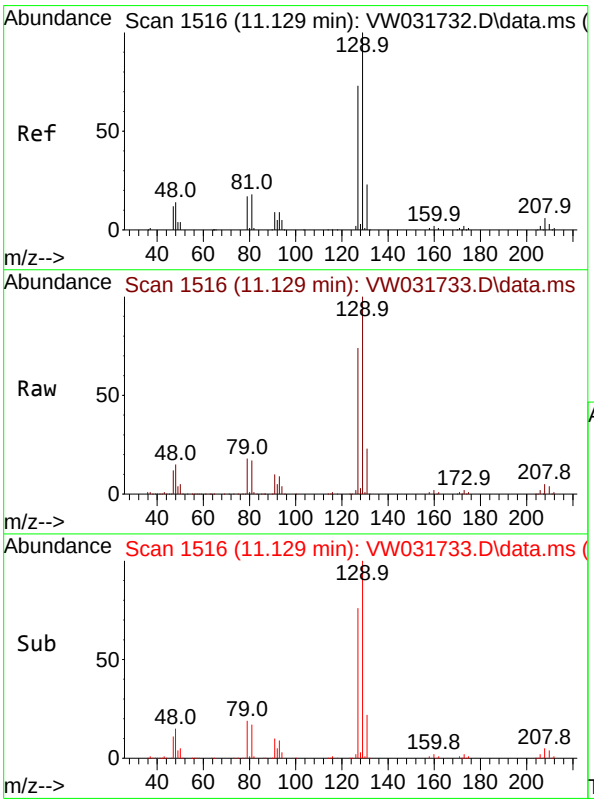
Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

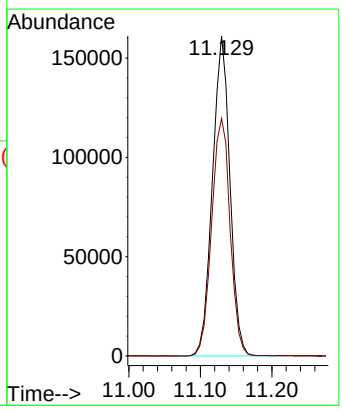


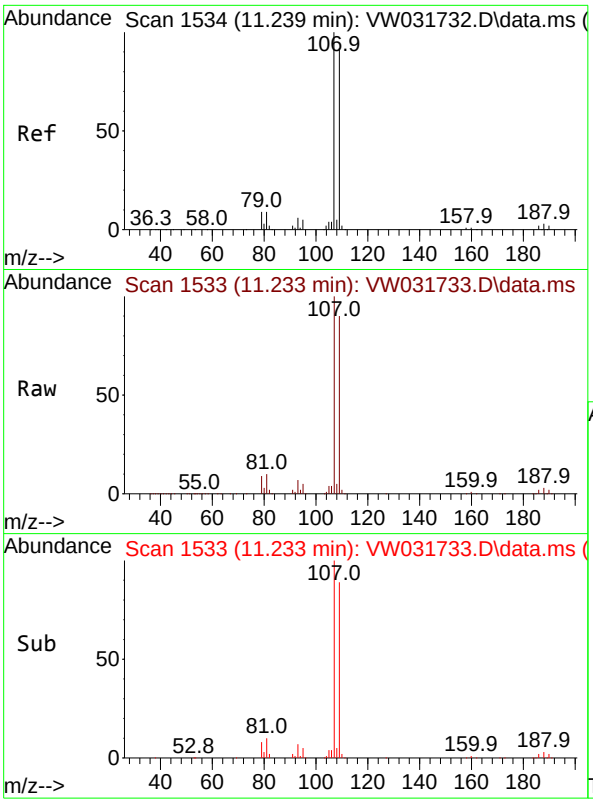


#60
Dibromochloromethane
Concen: 98.517 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:129 Resp: 273293

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.0	114.1

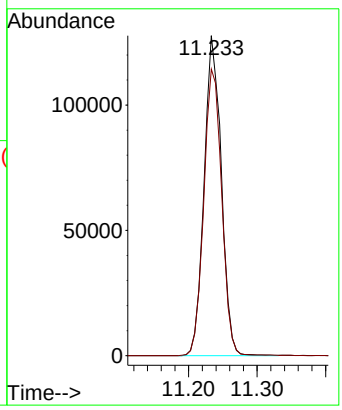




#61
1,2-Dibromoethane
Concen: 95.925 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:107 Resp: 22276

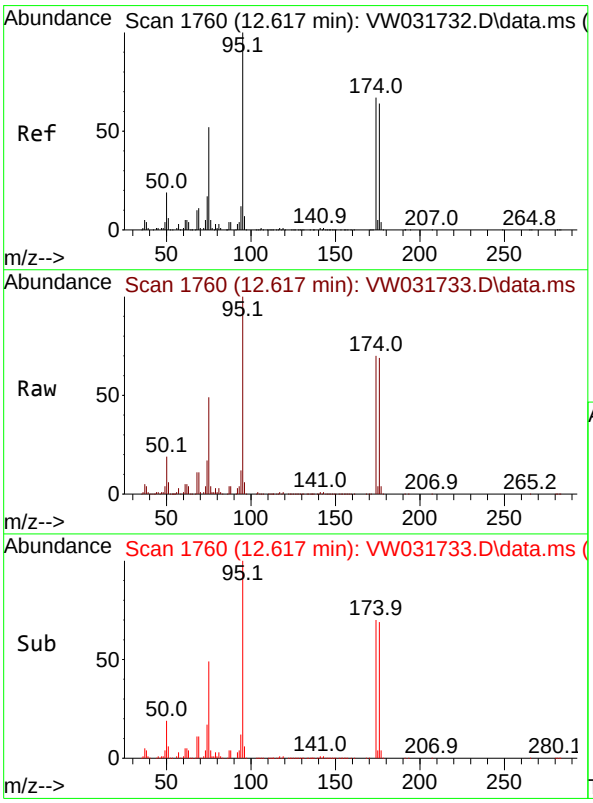
Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

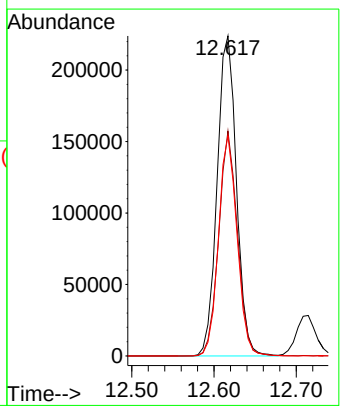
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

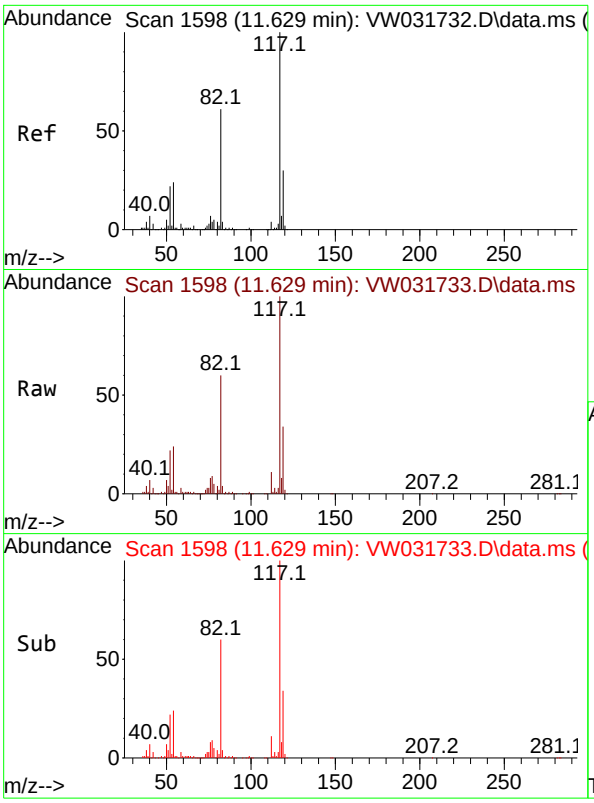


#62
4-Bromofluorobenzene
Concen: 100.680 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 95 Resp: 365527

Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	133.8
176	66.1	0.0	126.0

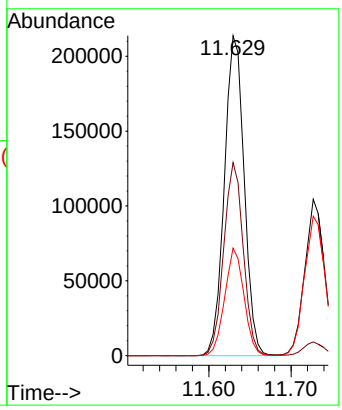




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:117 Resp: 35895

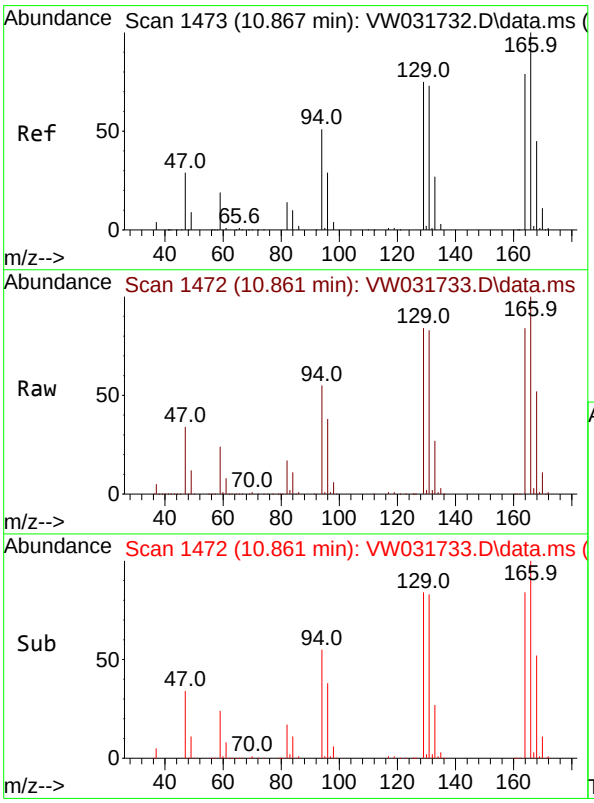
Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.6	72.8
119	33.6	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

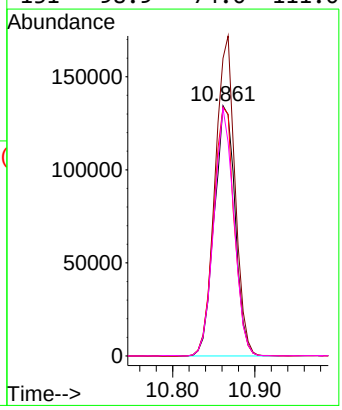
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

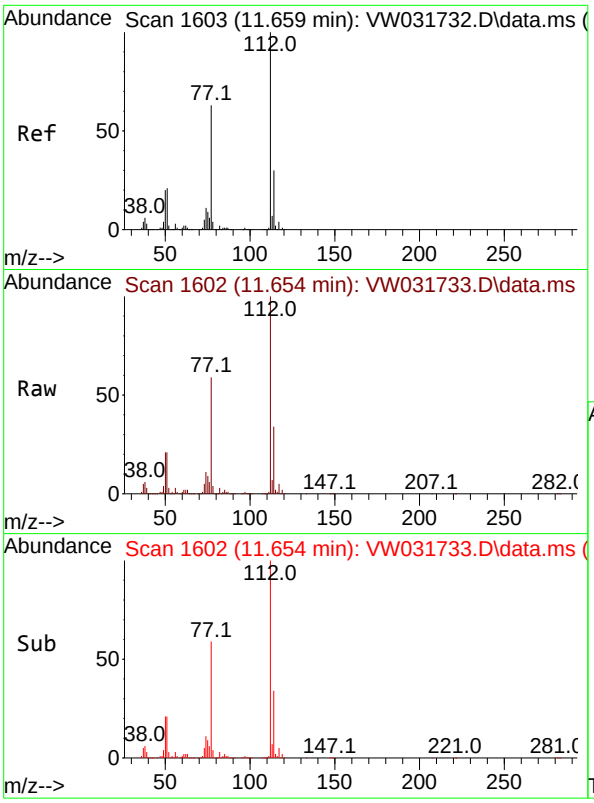


#64
Tetrachloroethene
Concen: 100.695 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:164 Resp: 236432

Ion	Ratio	Lower	Upper
164	100		
166	118.9	100.7	151.1
129	99.3	75.4	113.0
131	98.9	74.0	111.0

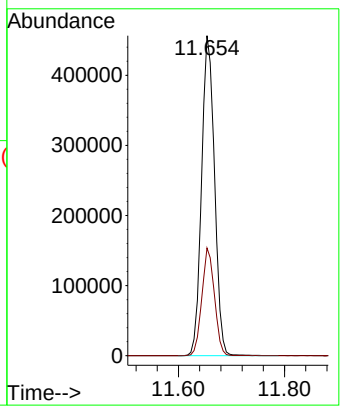




#65
Chlorobenzene
Concen: 97.693 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:112 Resp: 77371

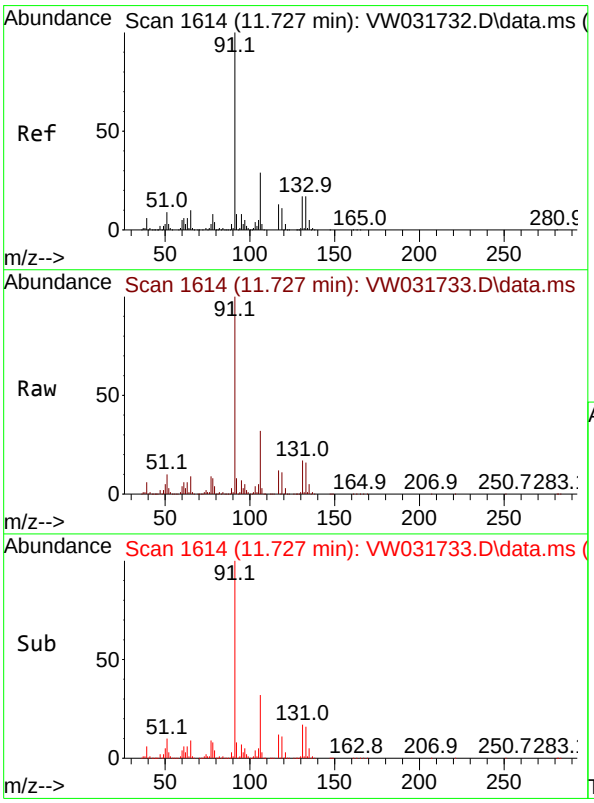
Ion	Ratio	Lower	Upper
112	100		
114	33.7	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

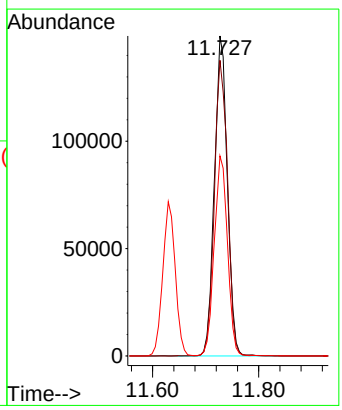
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

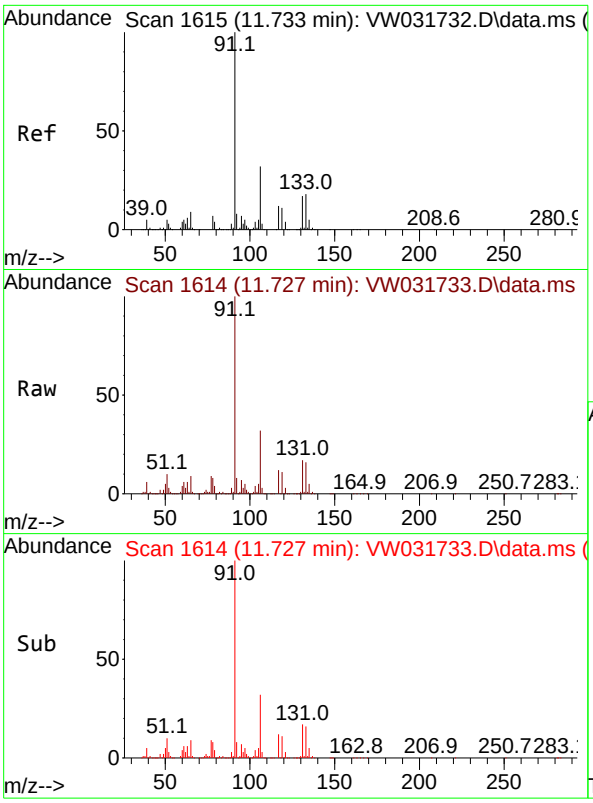


#66
1,1,1,2-Tetrachloroethane
Concen: 100.030 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:131 Resp: 252455

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.5	145.6
119	64.0	32.5	97.5

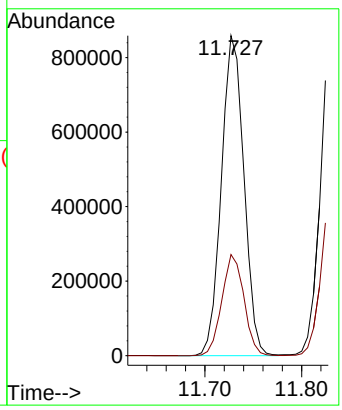




#67
Ethyl Benzene
Concen: 101.112 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 138860

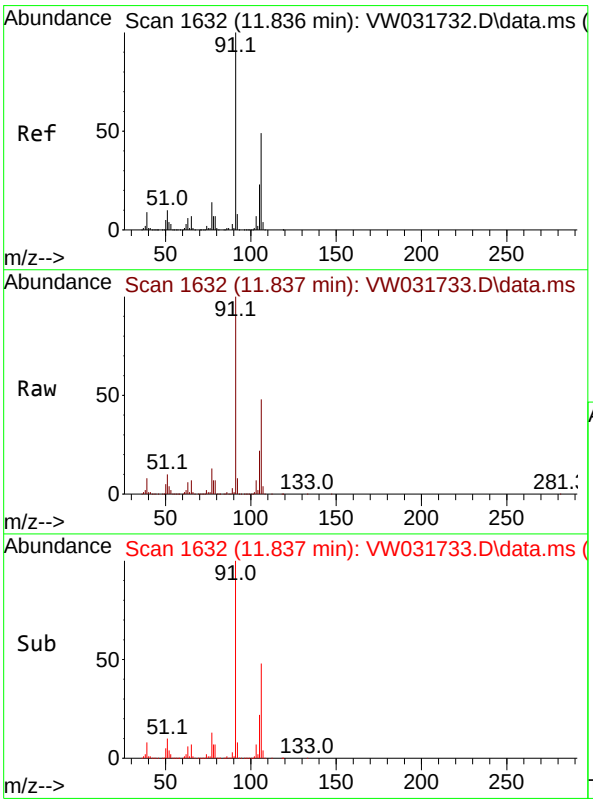
Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

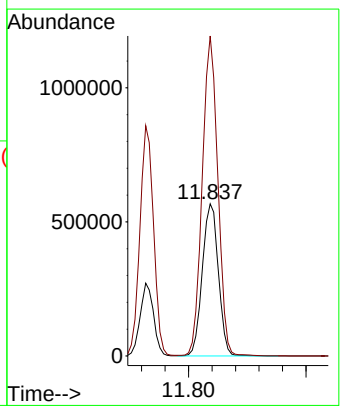
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

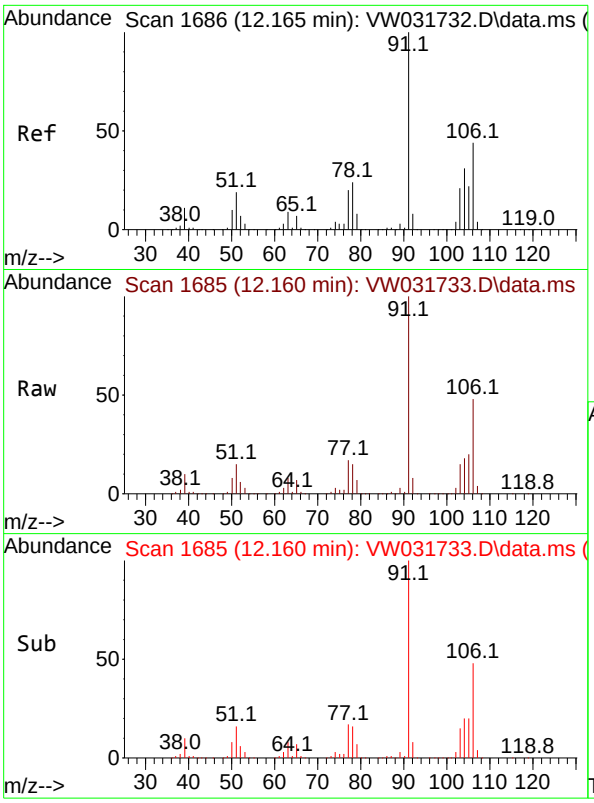


#68
m/p-Xylenes
Concen: 204.066 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:106 Resp: 1077324

Ion	Ratio	Lower	Upper
106	100		
91	204.4	166.4	249.6

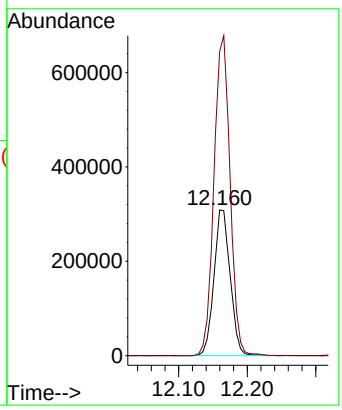




#69
o-Xylene
Concen: 103.535 ug/l
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:106 Resp: 50608

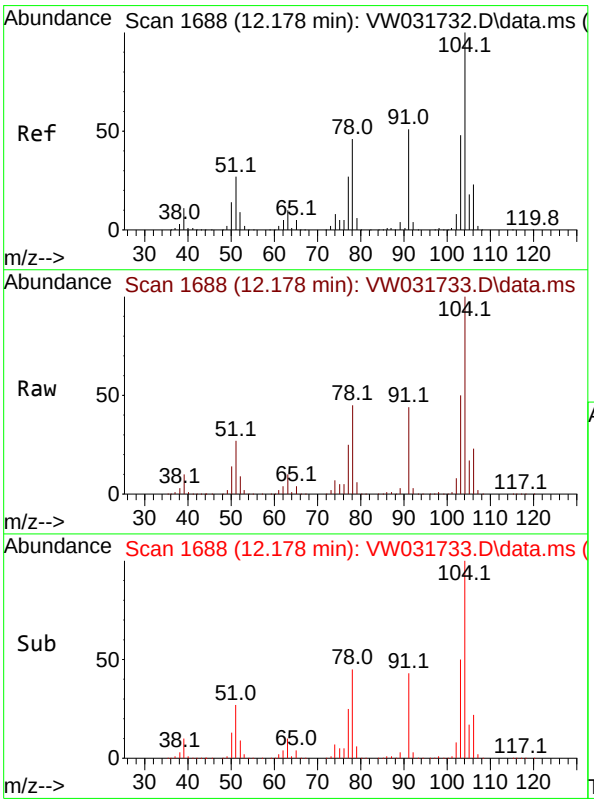
Ion	Ratio	Lower	Upper
106	100		
91	218.1	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

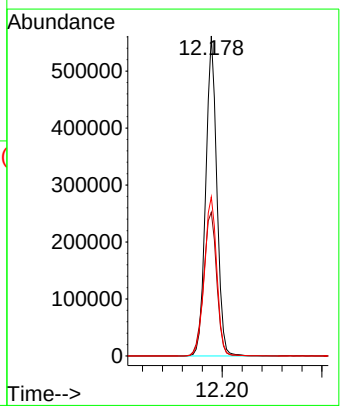
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

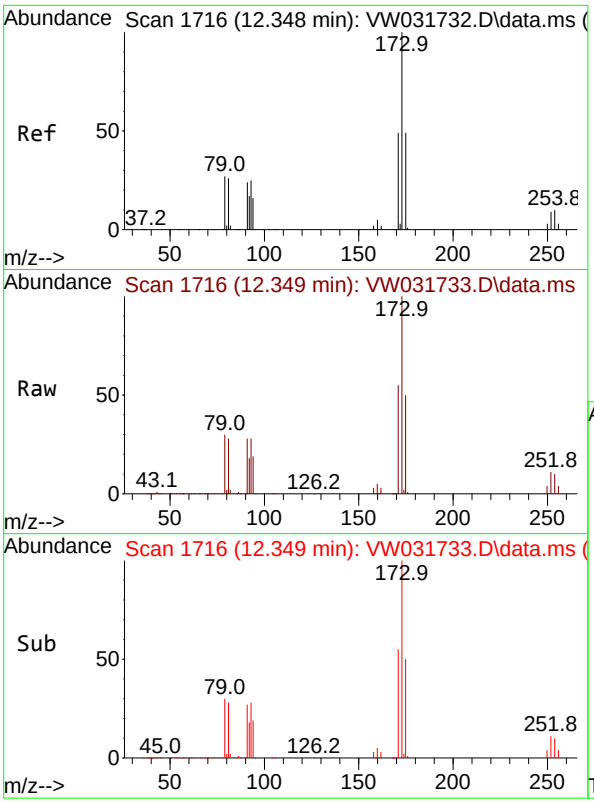


#70
Styrene
Concen: 102.427 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:104 Resp: 865542

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	55.5	43.0	64.6

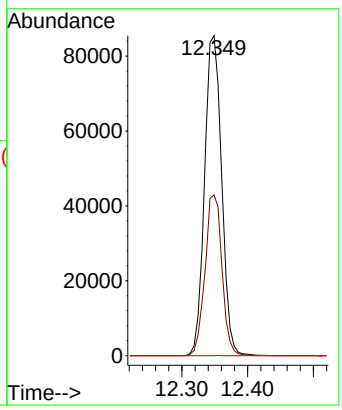




#71
Bromoform
Concen: 102.574 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:173 Resp: 15443

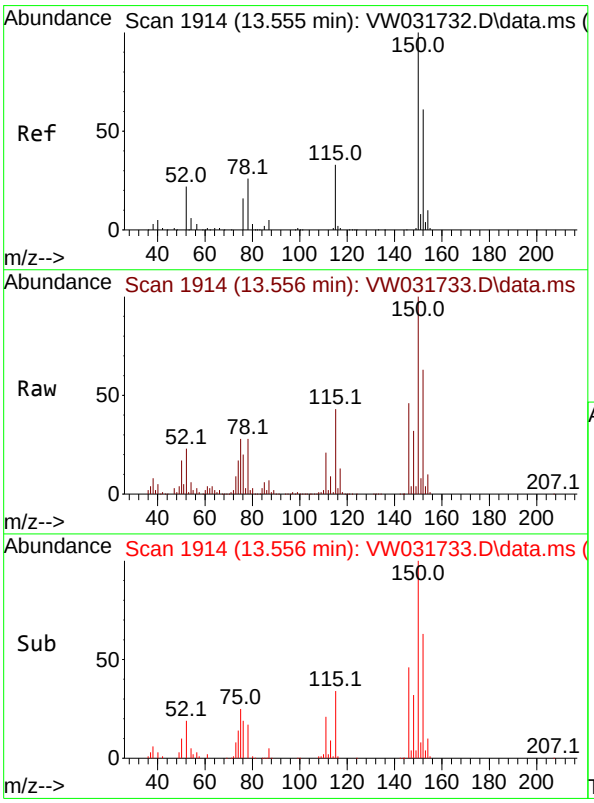
Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

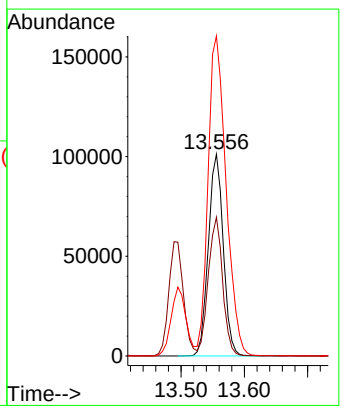
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

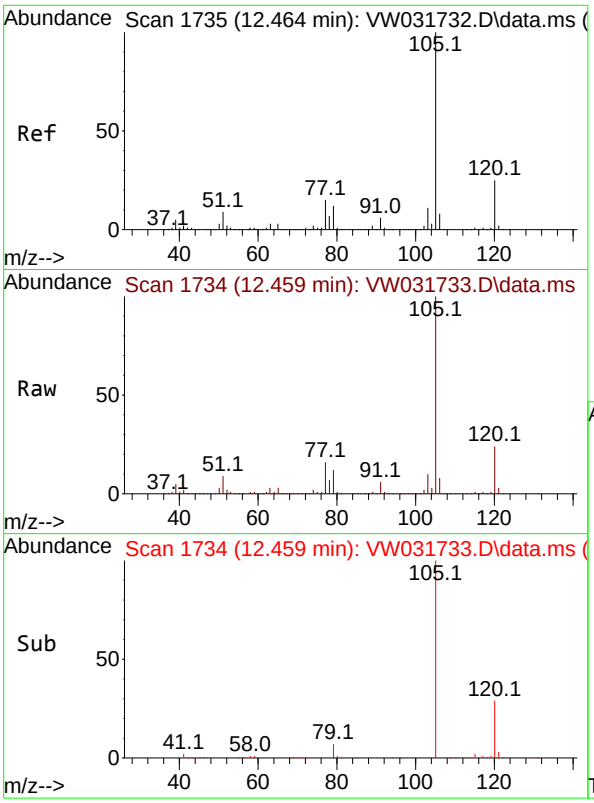


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:152 Resp: 166129

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.9	95.7
150	191.5	0.0	356.4

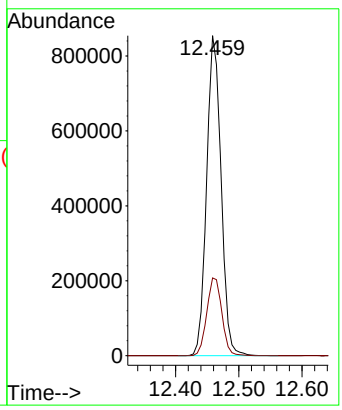




#73
Isopropylbenzene
Concen: 107.286 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 135573

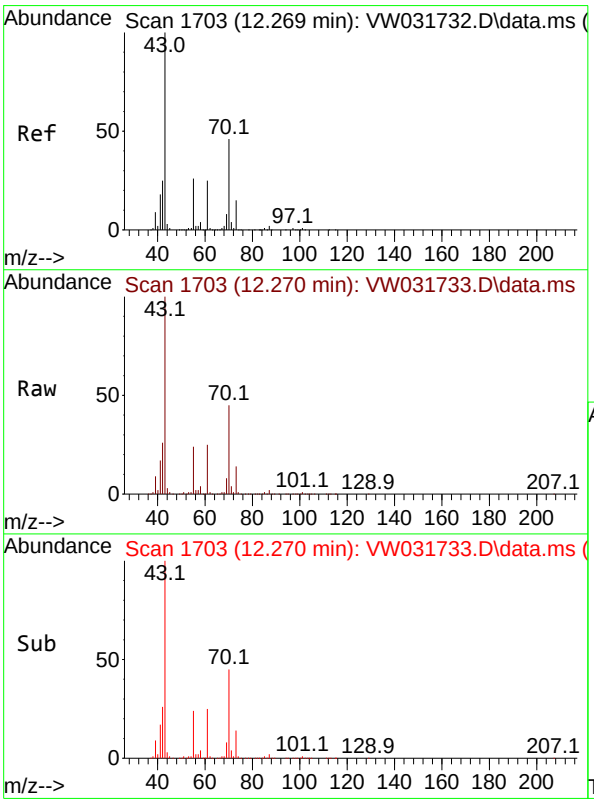
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

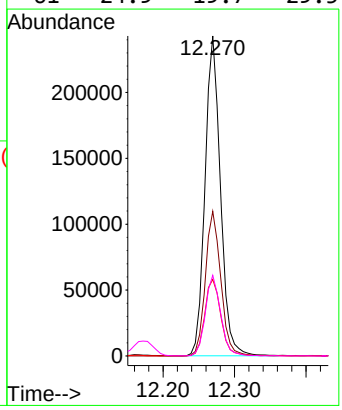
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

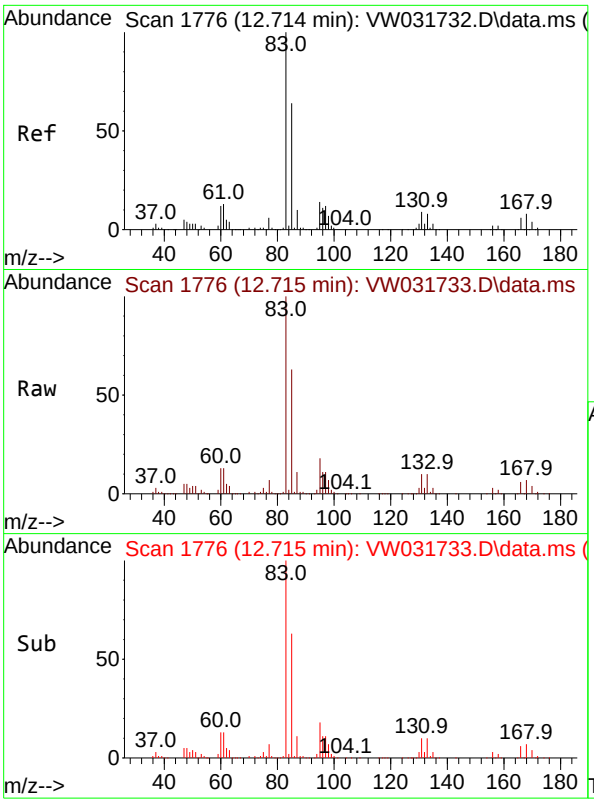


#74
N-amyl acetate
Concen: 106.869 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 363996

Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.0	54.0
55	25.2	20.8	31.2
61	24.9	19.7	29.5

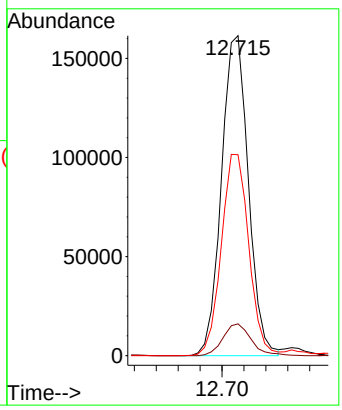




#75
1,1,2,2-Tetrachloroethane
Concen: 98.180 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 83 Resp: 27543

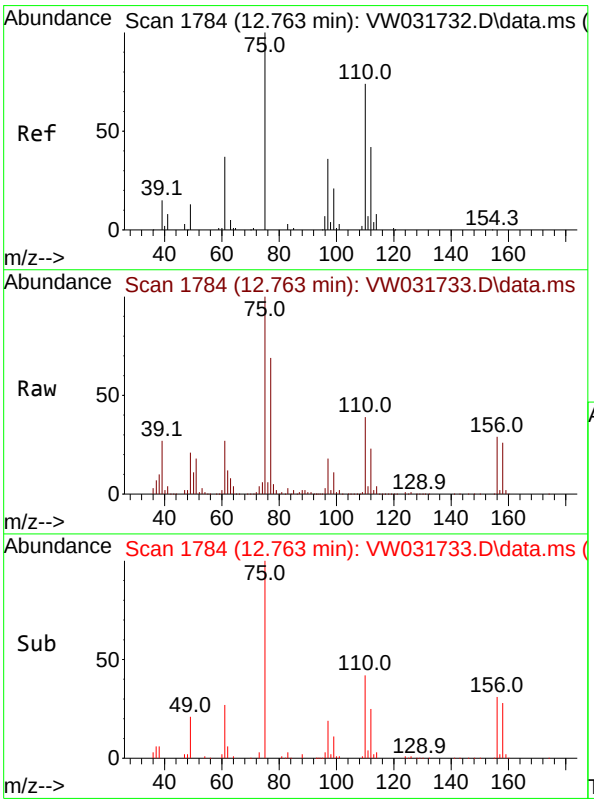
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	64.2	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

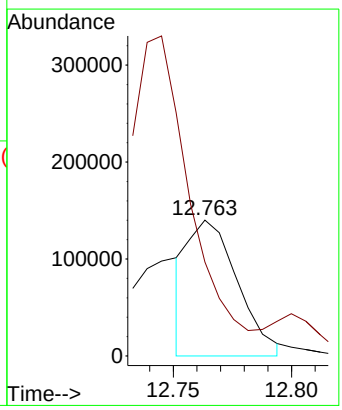
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

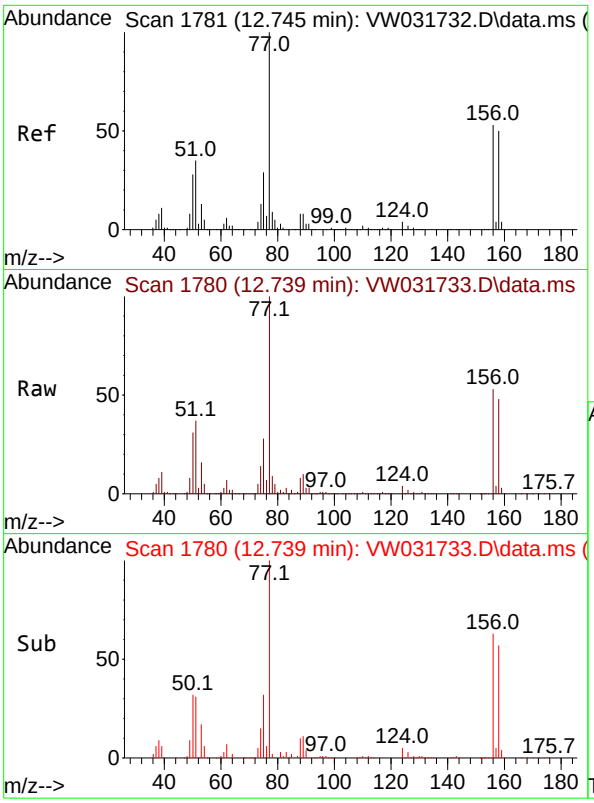


#76
1,2,3-Trichloropropane
Concen: 95.544 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 205119

Ion	Ratio	Lower	Upper
75	100		
77	300.3	141.2	423.6

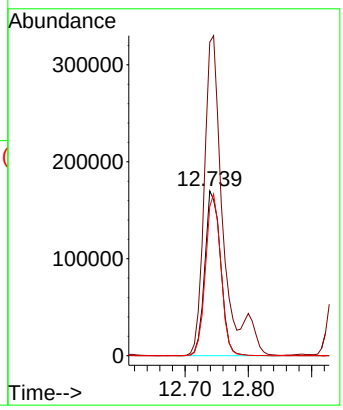




#77
Bromobenzene
Concen: 104.424 ug/l
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:156 Resp: 29431

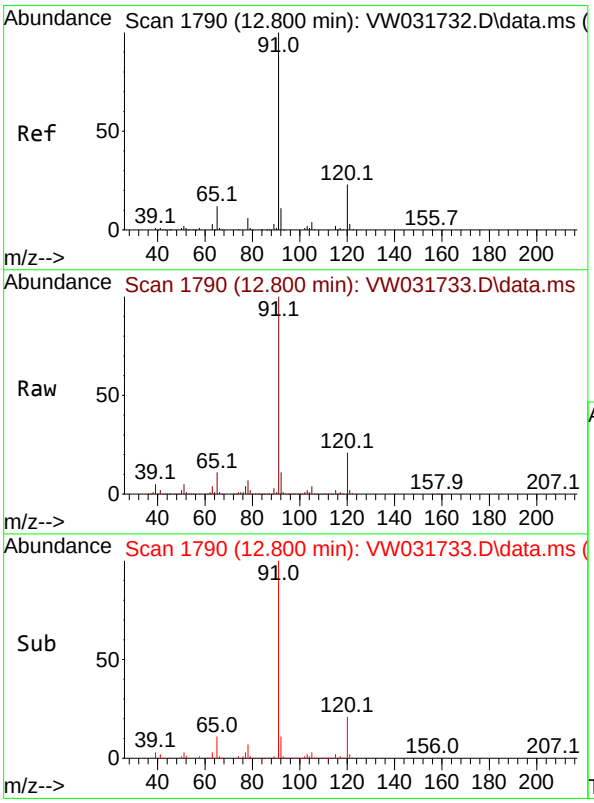
Ion	Ratio	Lower	Upper
156	100		
77	209.3	117.9	353.7
158	95.4	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

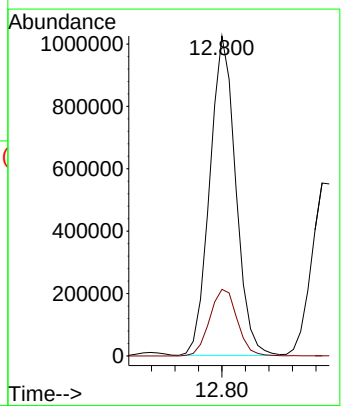
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

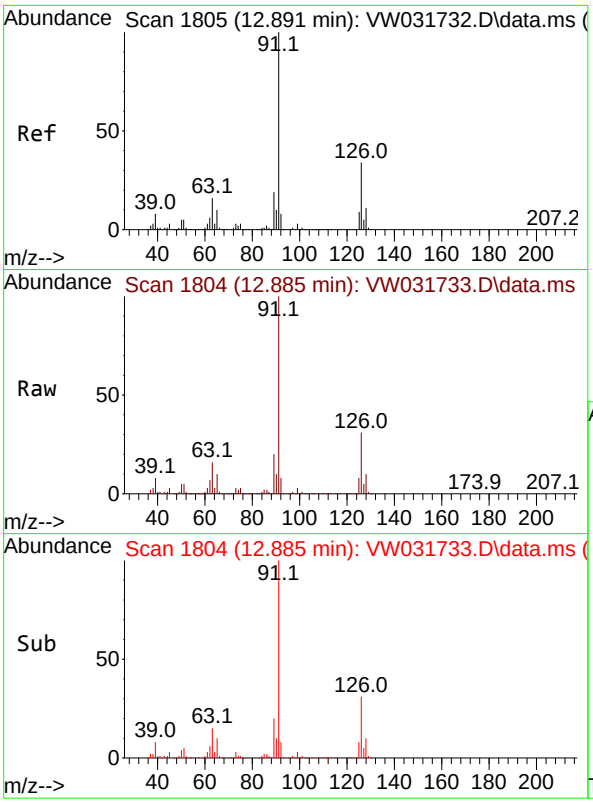


#78
n-propylbenzene
Concen: 103.933 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 1572731

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4

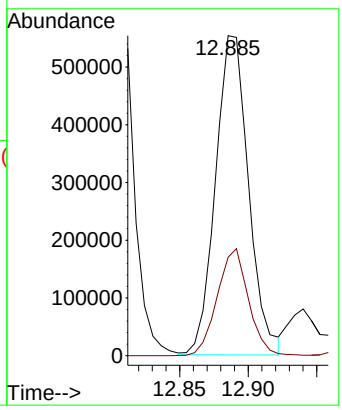




#79
2-Chlorotoluene
Concen: 102.084 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 93021

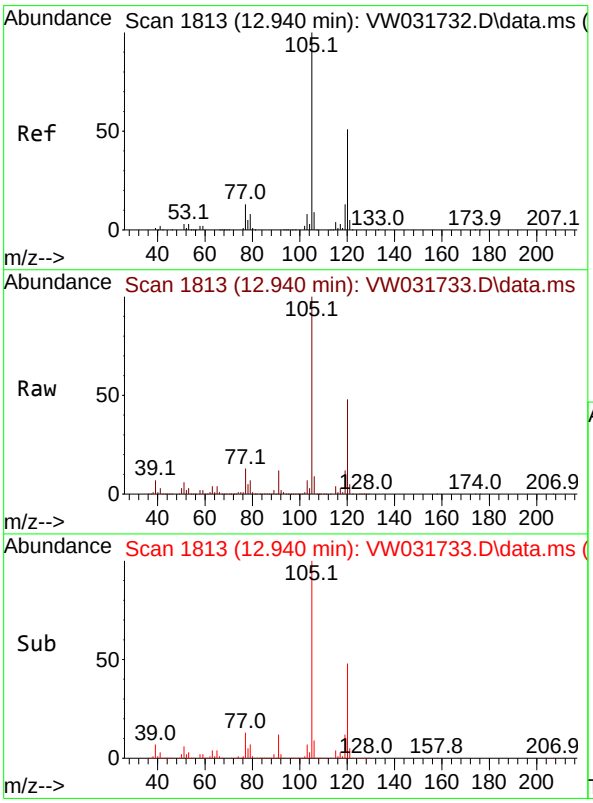
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

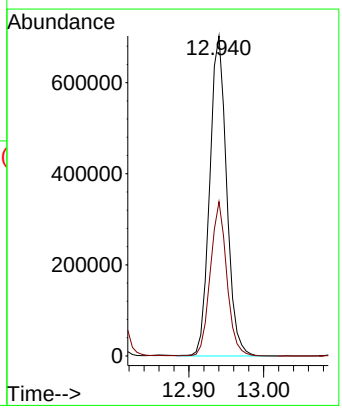
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

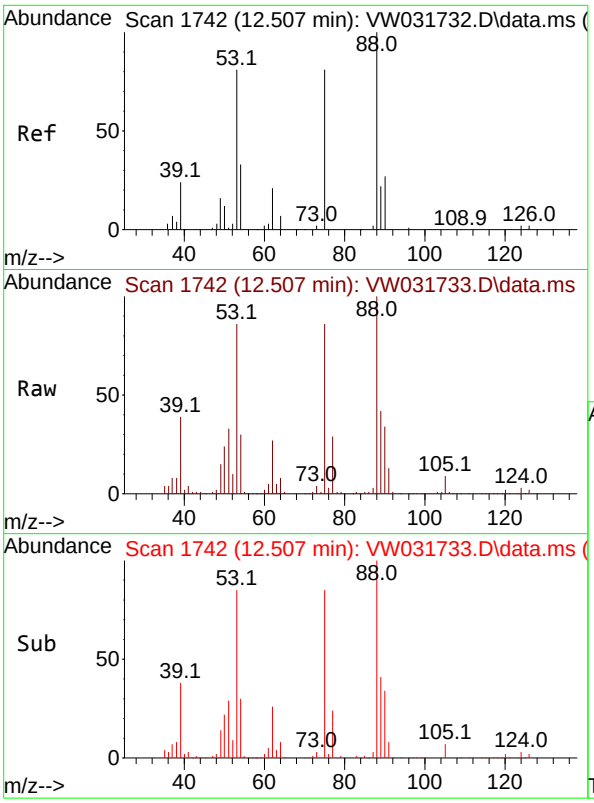


#80
1,3,5-Trimethylbenzene
Concen: 105.277 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 1101203

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.8	71.2

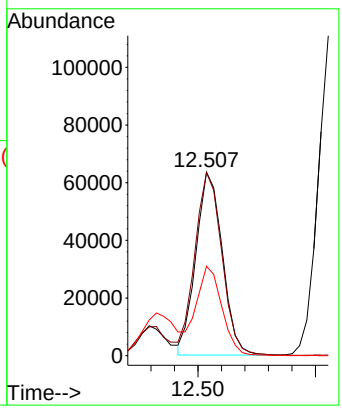




#81
trans-1,4-Dichloro-2-butene
Concen: 107.660 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 9923

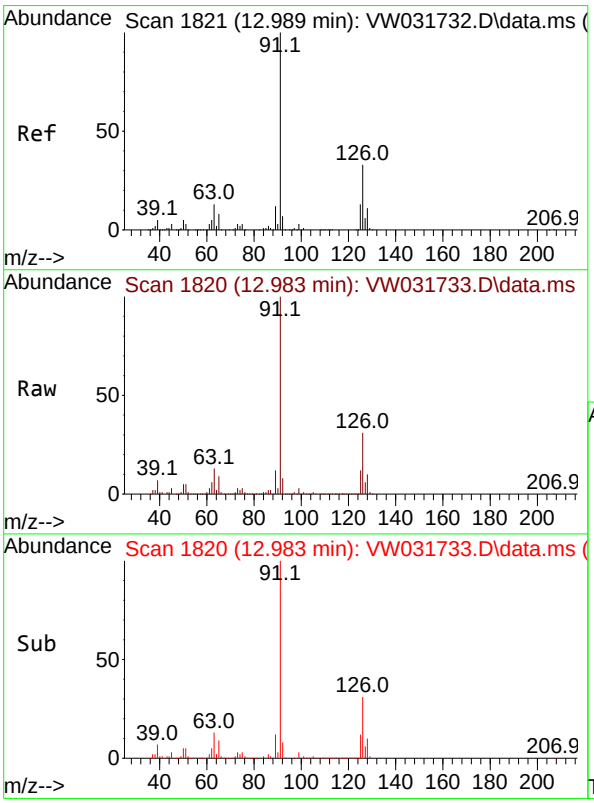
Ion	Ratio	Lower	Upper
75	100		
53	102.5	83.5	125.3
89	49.9	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

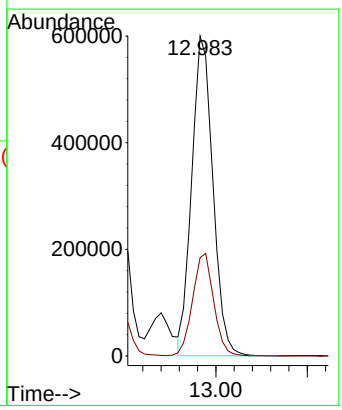
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

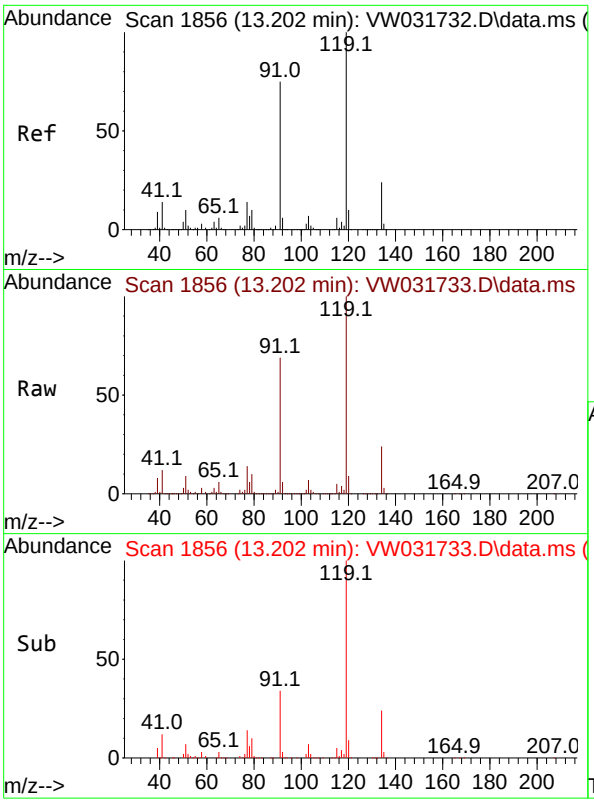


#82
4-Chlorotoluene
Concen: 100.758 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 963920

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9

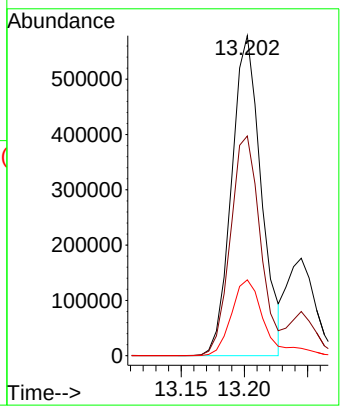




#83
tert-Butylbenzene
Concen: 105.234 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:119 Resp: 94289

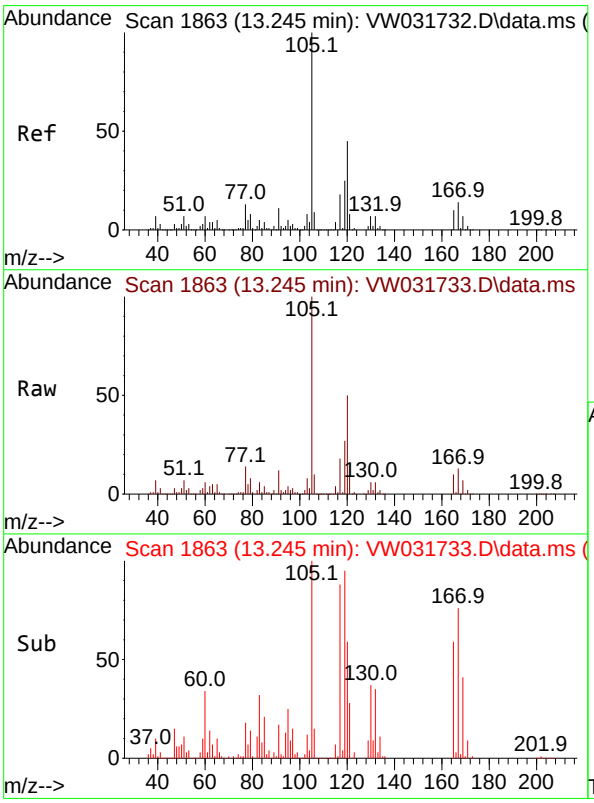
Ion	Ratio	Lower	Upper
119	100		
91	69.1	36.0	108.1
134	26.6	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

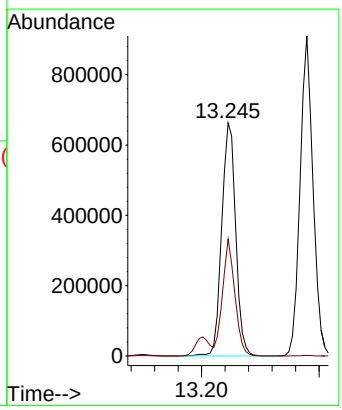
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

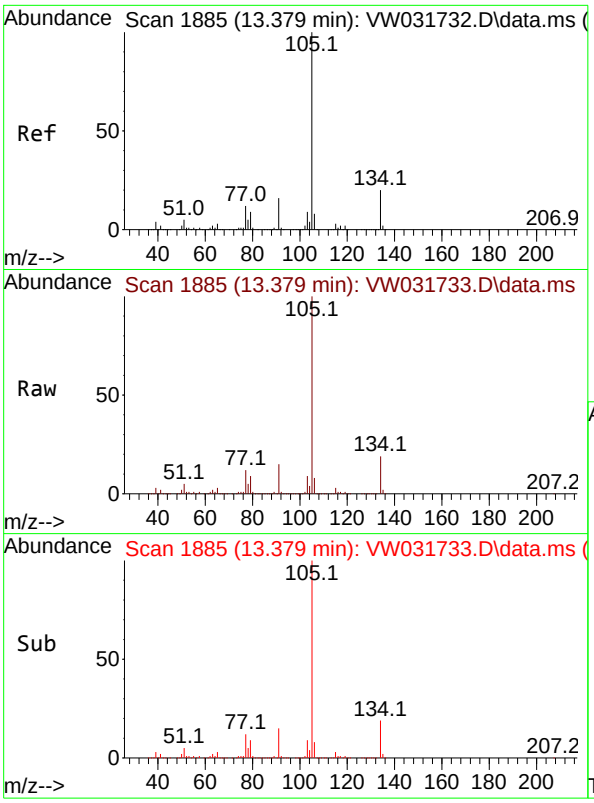


#84
1,2,4-Trimethylbenzene
Concen: 103.202 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 1093757

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

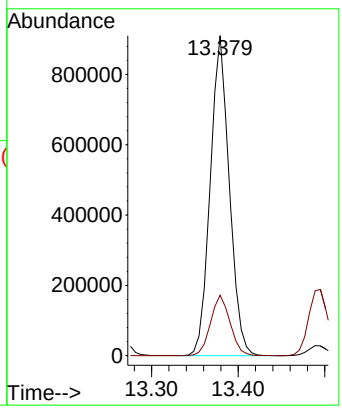




#85
sec-Butylbenzene
Concen: 103.396 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 139052

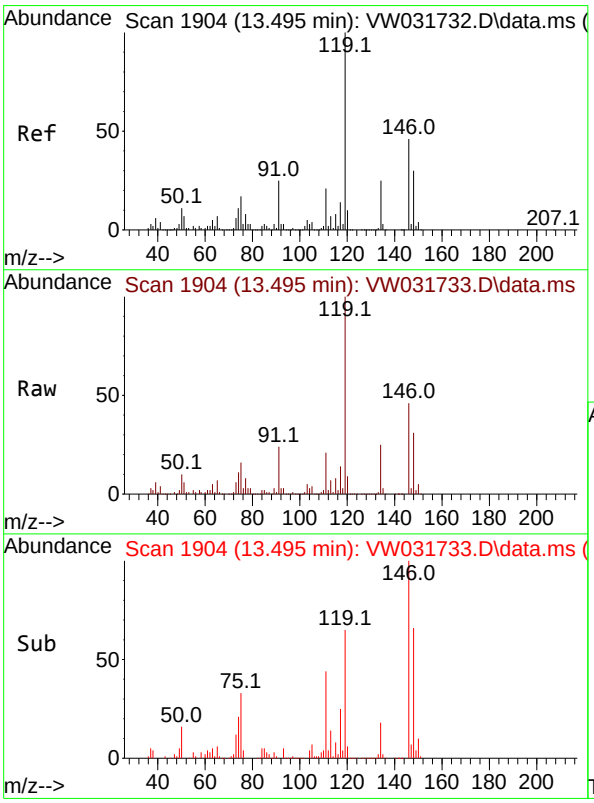
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

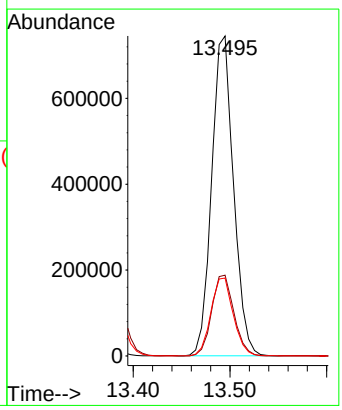
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

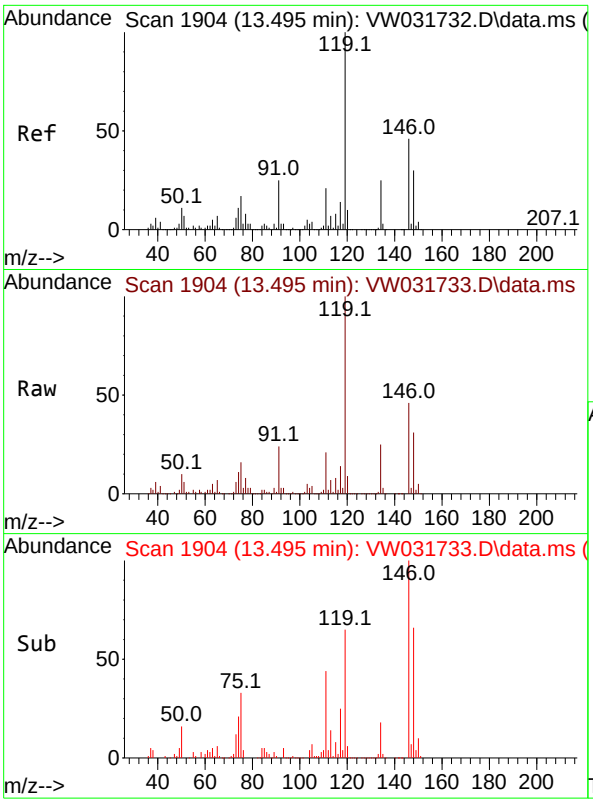


#86
p-Isopropyltoluene
Concen: 105.431 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:119 Resp: 1168552

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.7
91	25.1	12.7	38.0

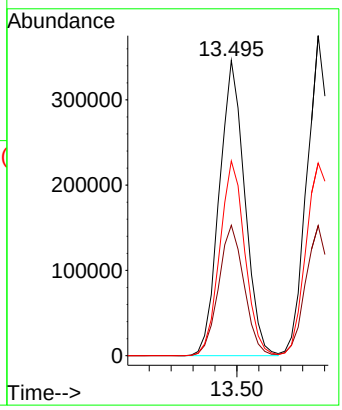




#87
1,3-Dichlorobenzene
Concen: 98.818 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:146 Resp: 55853

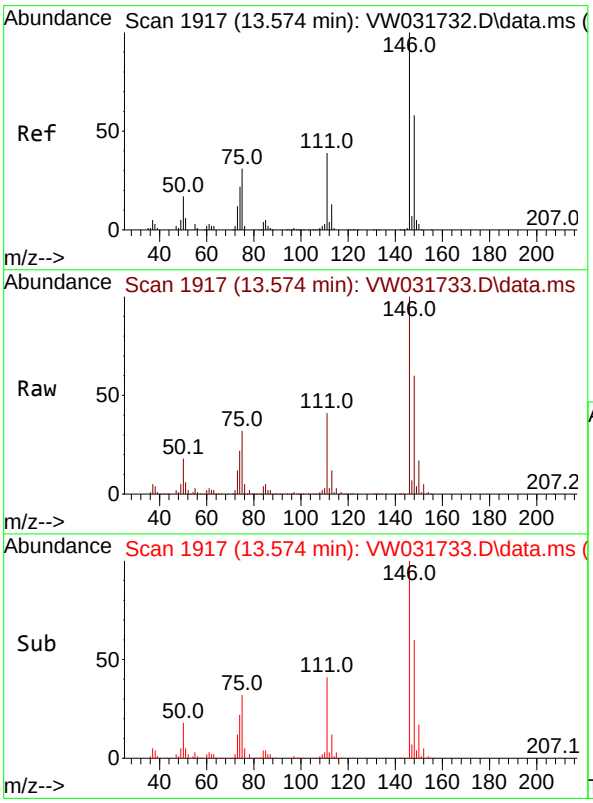
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.9
148	65.1	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

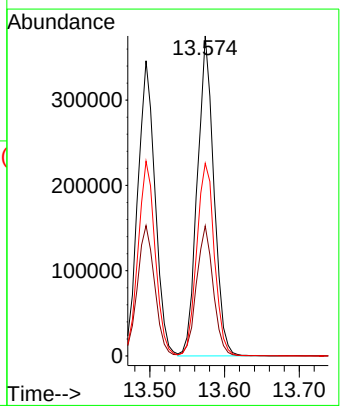
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

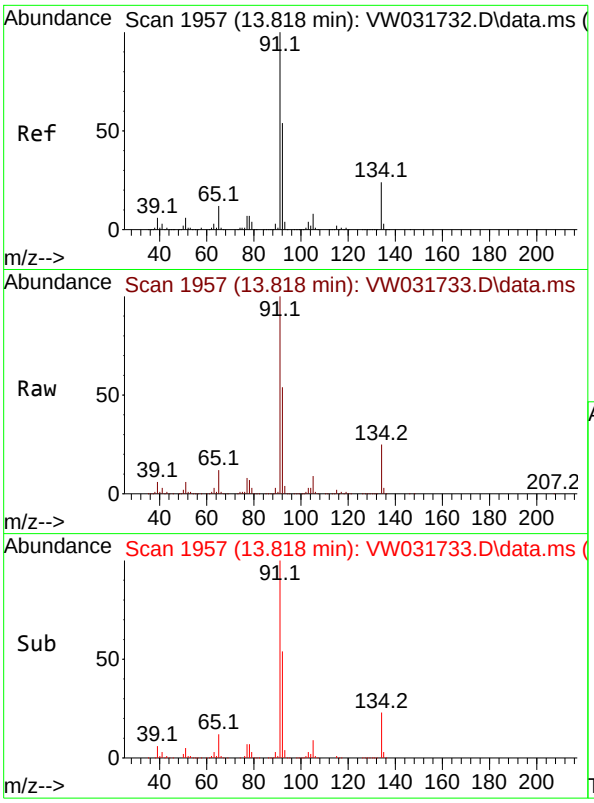


#88
1,4-Dichlorobenzene
Concen: 99.669 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:146 Resp: 576612

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.2	30.2	90.6

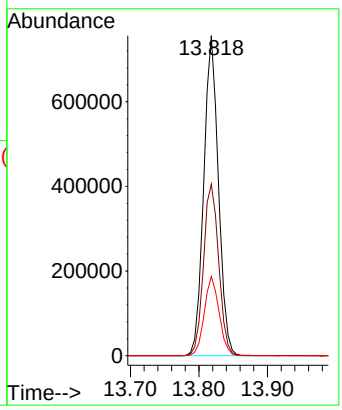




#89
n-Butylbenzene
Concen: 104.566 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 112605

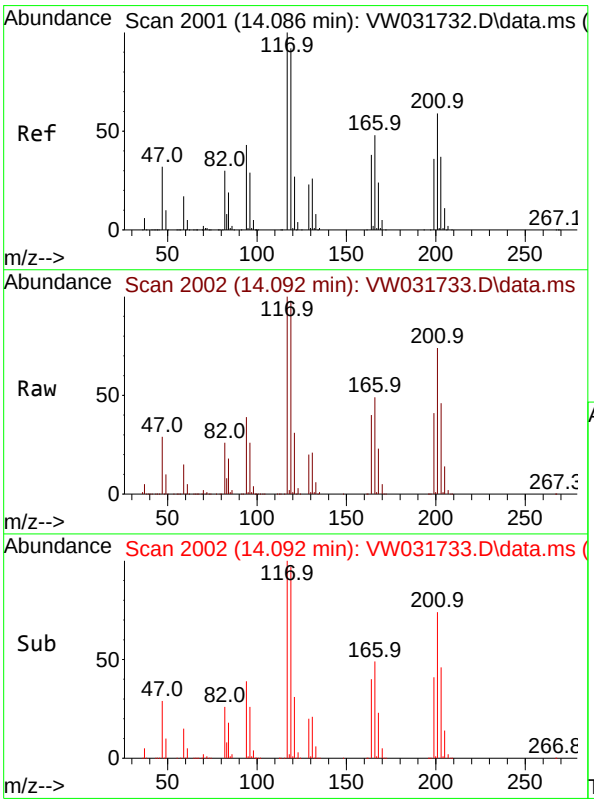
Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.2	81.5
134	24.9	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

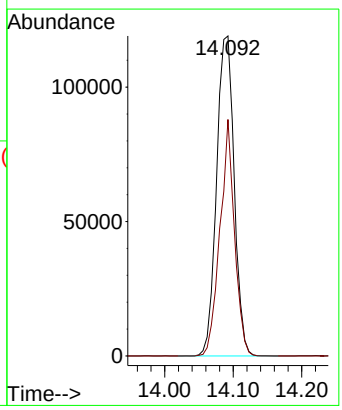
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

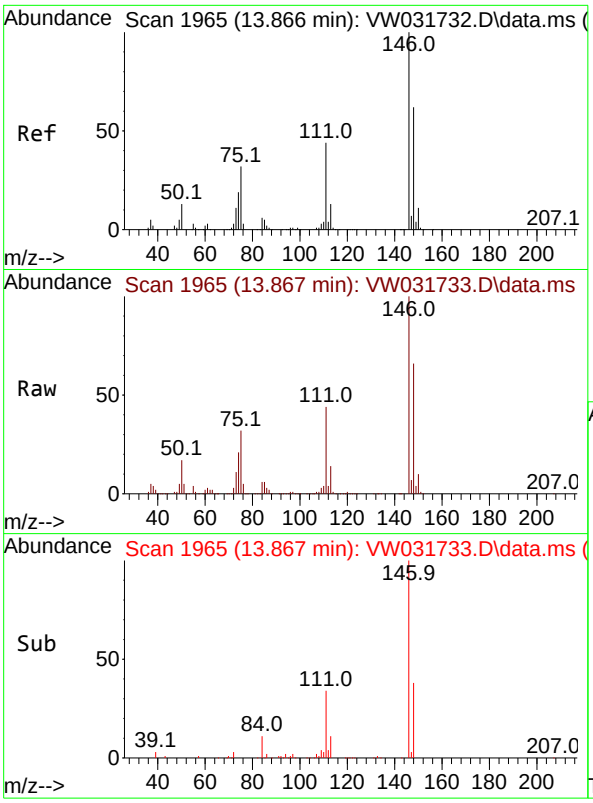


#90
Hexachloroethane
Concen: 105.958 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:117 Resp: 211871

Ion	Ratio	Lower	Upper
117	100		
201	61.1	31.1	93.3

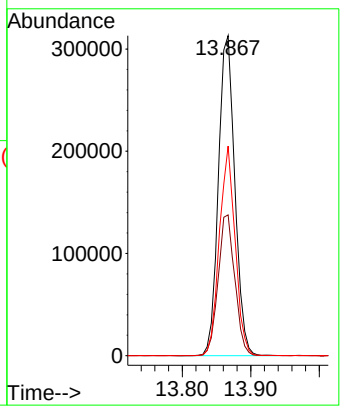




#91
1,2-Dichlorobenzene
Concen: 100.530 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:146 Resp: 51934

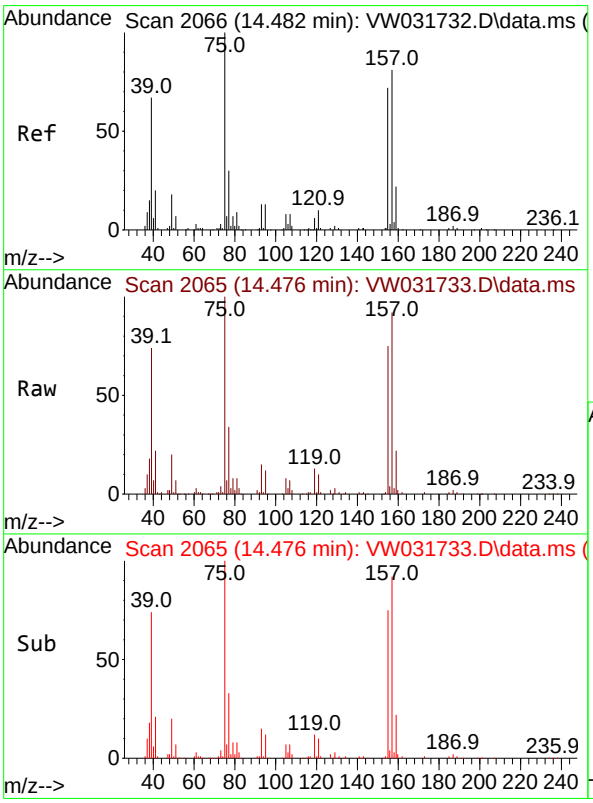
Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.7	65.1
148	63.1	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

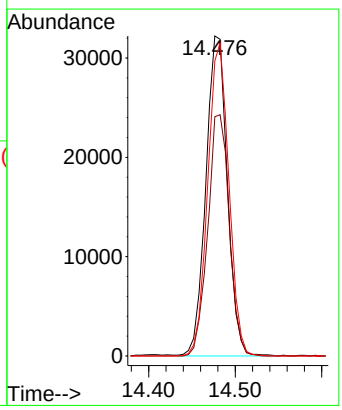
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

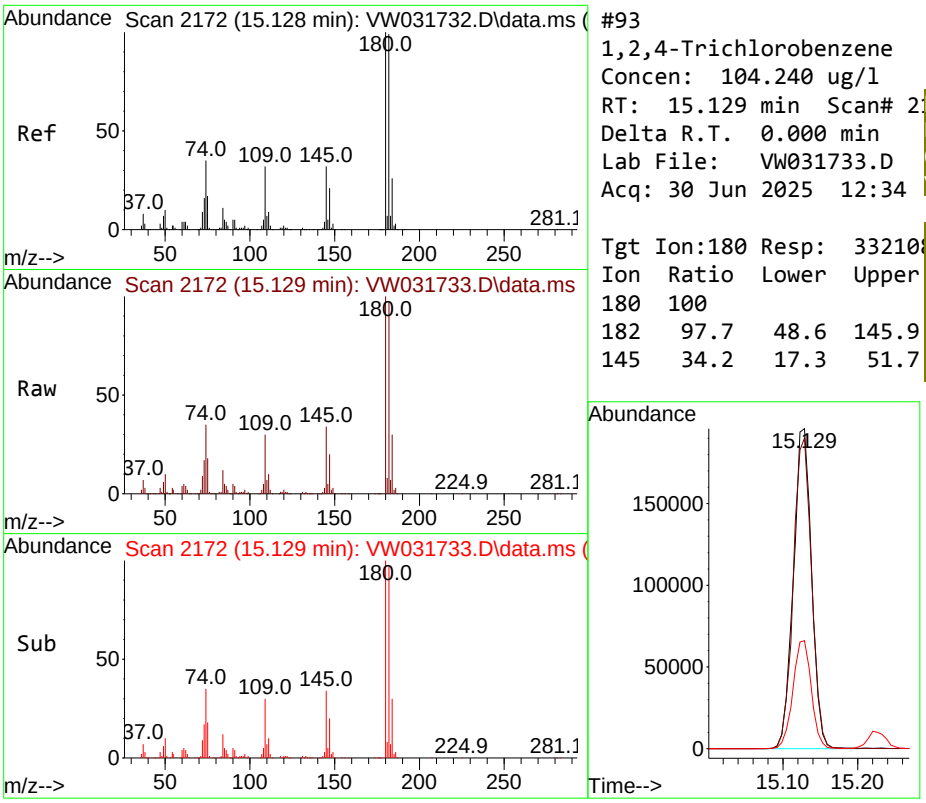


#92
1,2-Dibromo-3-Chloropropane
Concen: 101.247 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 55462

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.2	111.6
157	95.9	45.6	136.9





#93
1,2,4-Trichlorobenzene
Concen: 104.240 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

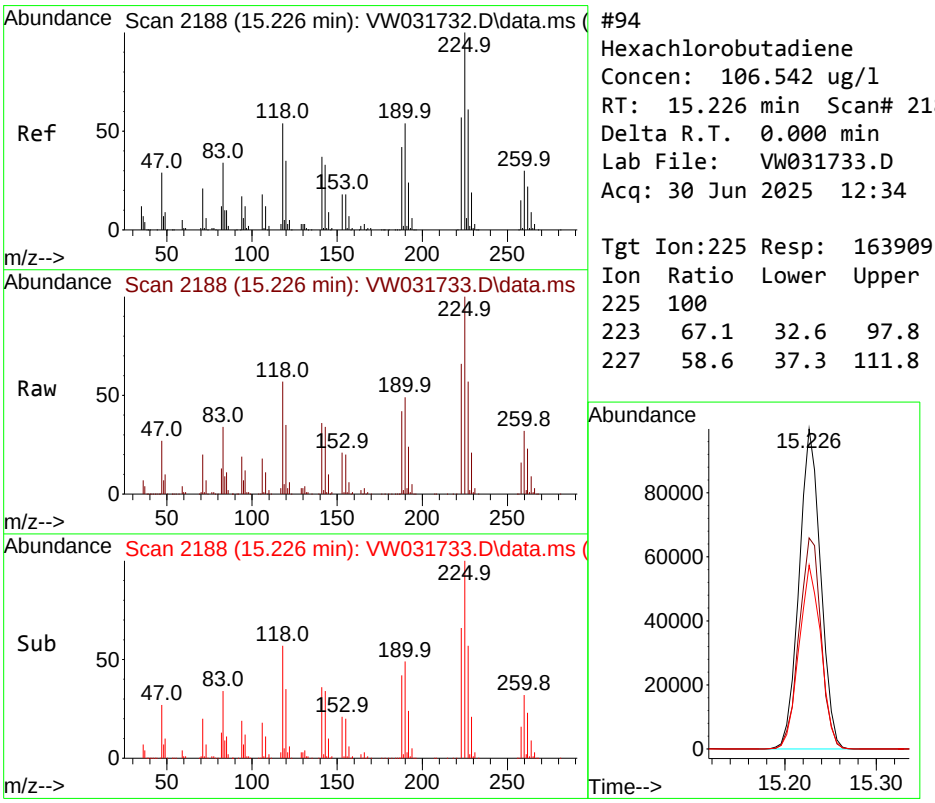
Tgt Ion:180 Resp: 33210

Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.6	145.9
145	34.2	17.3	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

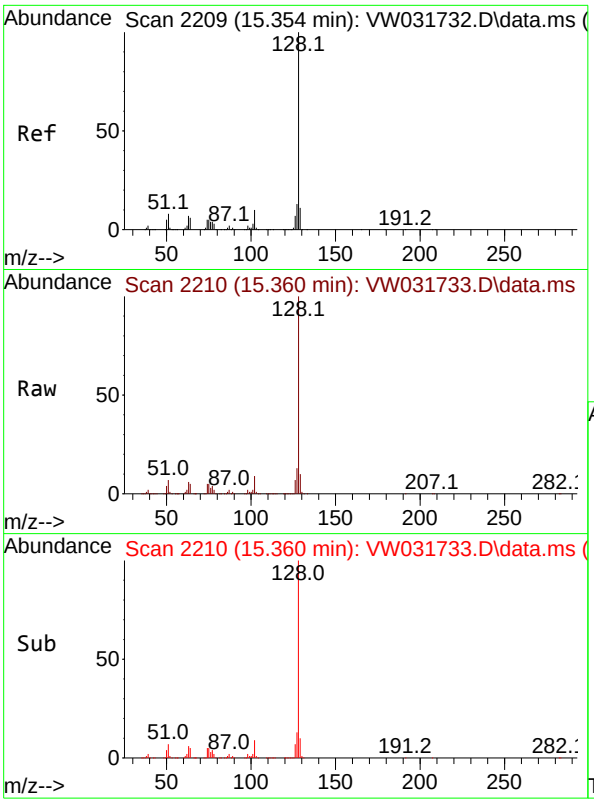
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#94
Hexachlorobutadiene
Concen: 106.542 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:225 Resp: 163909

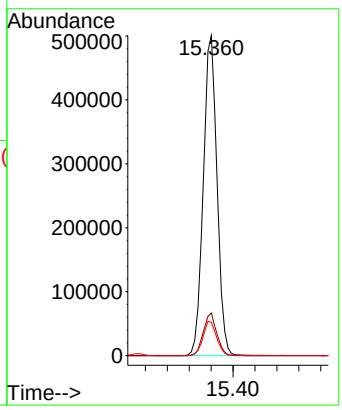
Ion	Ratio	Lower	Upper
225	100		
223	67.1	32.6	97.8
227	58.6	37.3	111.8



#95
Naphthalene
Concen: 111.042 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:128 Resp: 86734

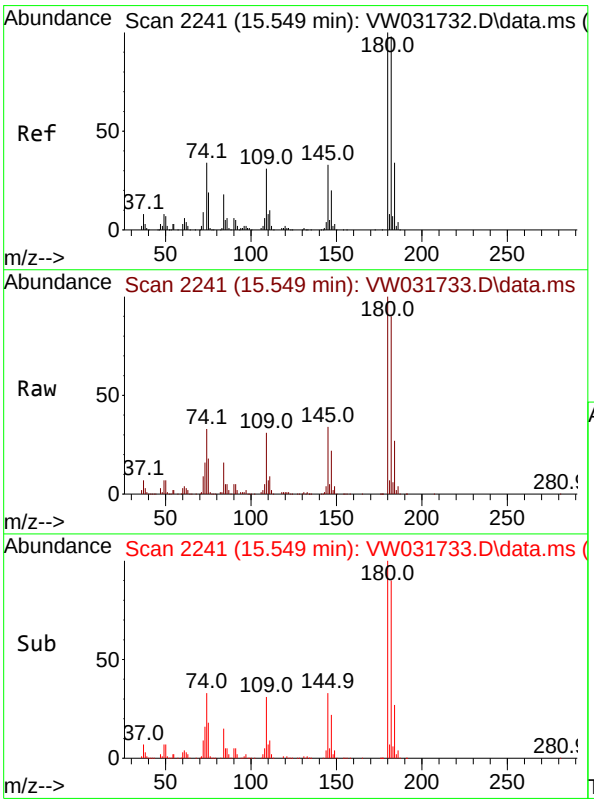
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.7	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

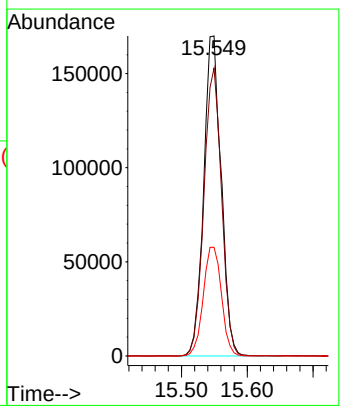
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.170 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:180 Resp: 313738

Ion	Ratio	Lower	Upper
180	100		
182	91.1	46.4	139.1
145	35.4	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l		99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l		99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l		100
44) Trichloroethene	9.099	130	424322	152.358	ug/l		99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l		98
46) Dibromomethane	9.465	93	251060	144.196	ug/l		99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l		99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l		99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l		99
52) Toluene	10.392	92	1076709	150.709	ug/l		95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l		97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l		99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l		100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l		99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l		98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l		98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l		92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l		99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l		94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l		98
69) o-Xylene	12.166	106	743731	159.389	ug/l		99
70) Styrene	12.178	104	1266593	157.015	ug/l		99
71) Bromoform	12.349	173	229439	159.639	ug/l	#	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l		99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	308804m	151.382	ug/l		
77) Bromobenzene	12.745	156	427085	159.479	ug/l		88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l		100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l		98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l		98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l		96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l		99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l		99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l		96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l		99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l		97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l		93
95) Naphthalene	15.360	128	1256199	169.258	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

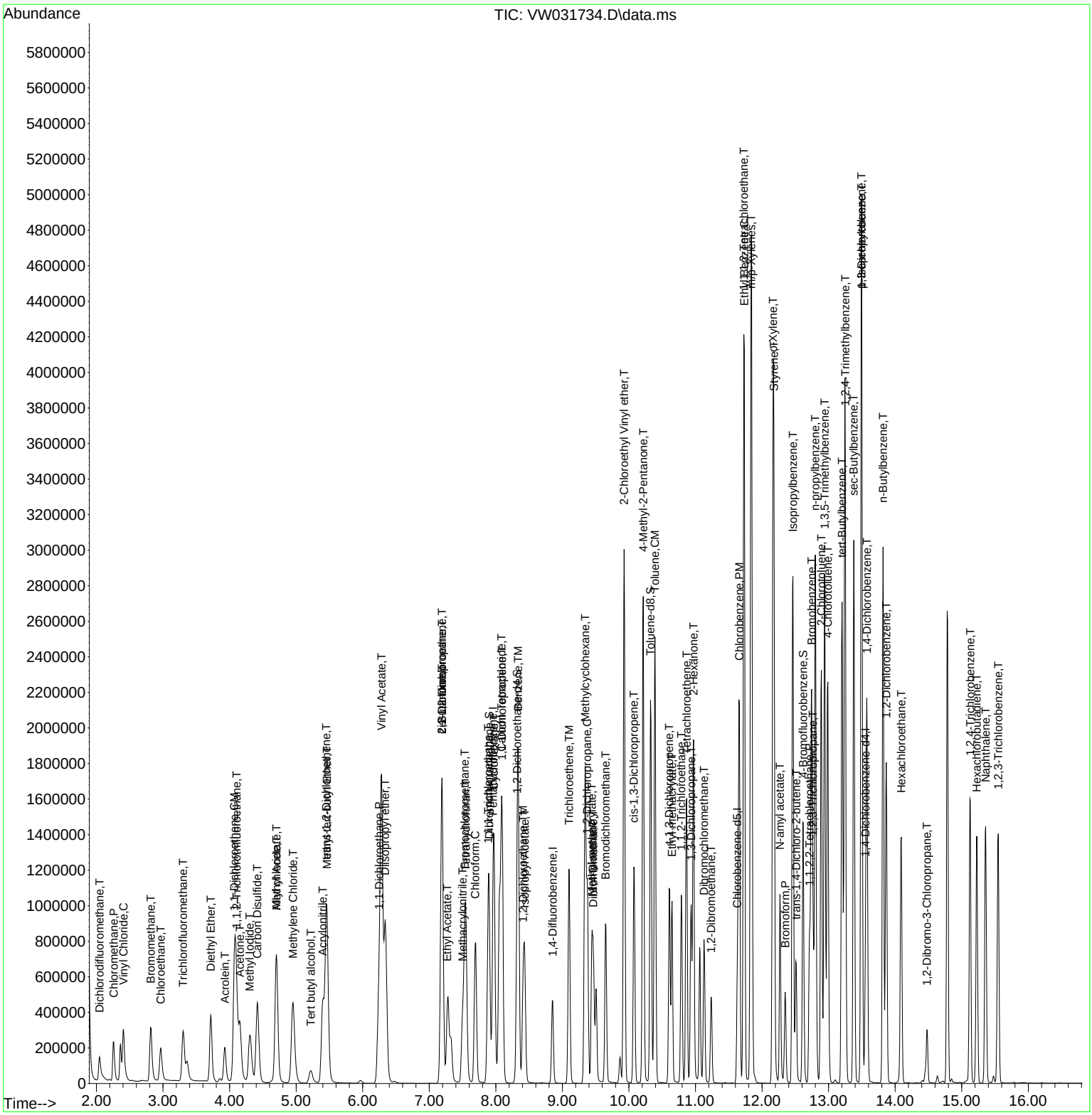
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

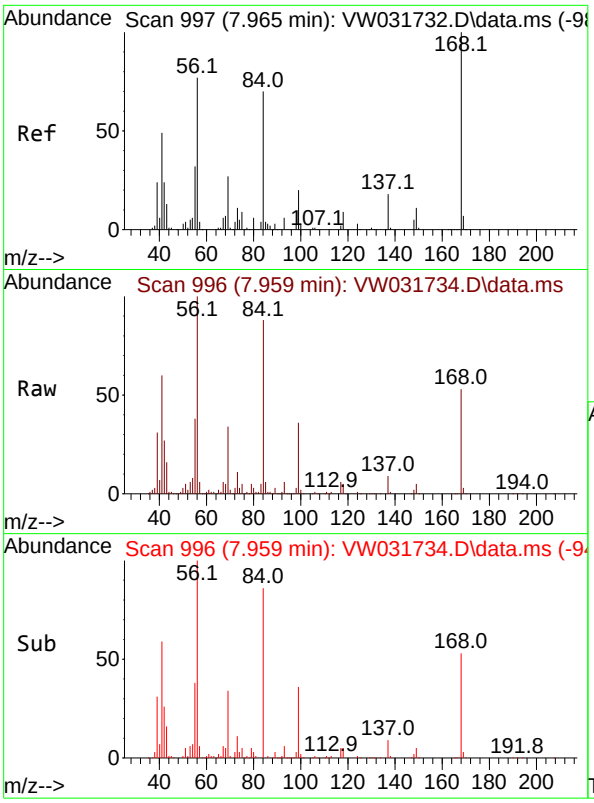
Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

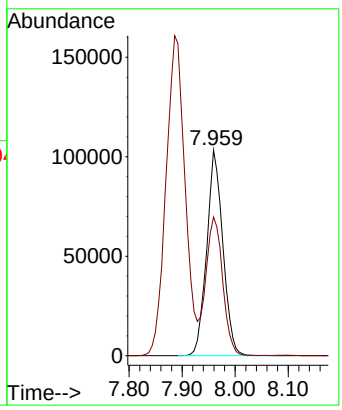




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:168 Resp: 21876

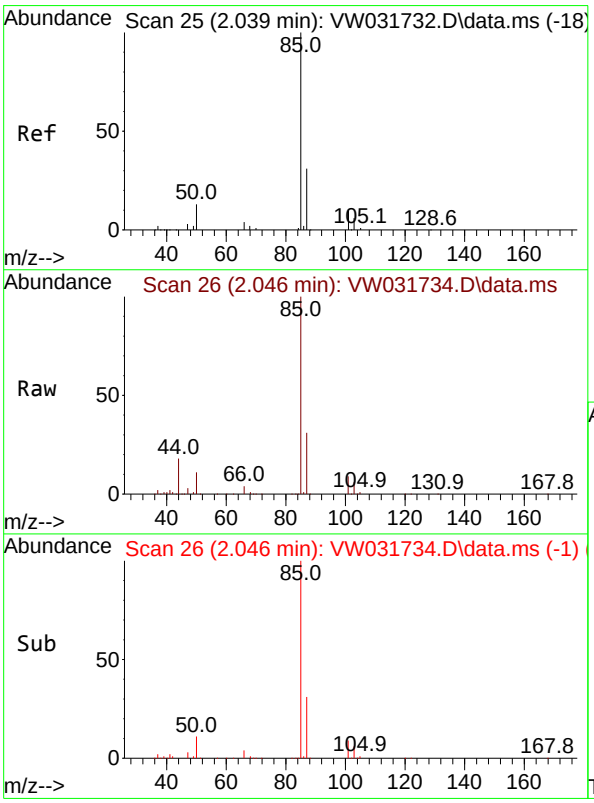
Ion	Ratio	Lower	Upper
168	100		
99	67.2	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

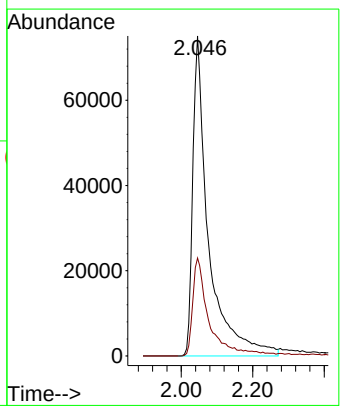
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

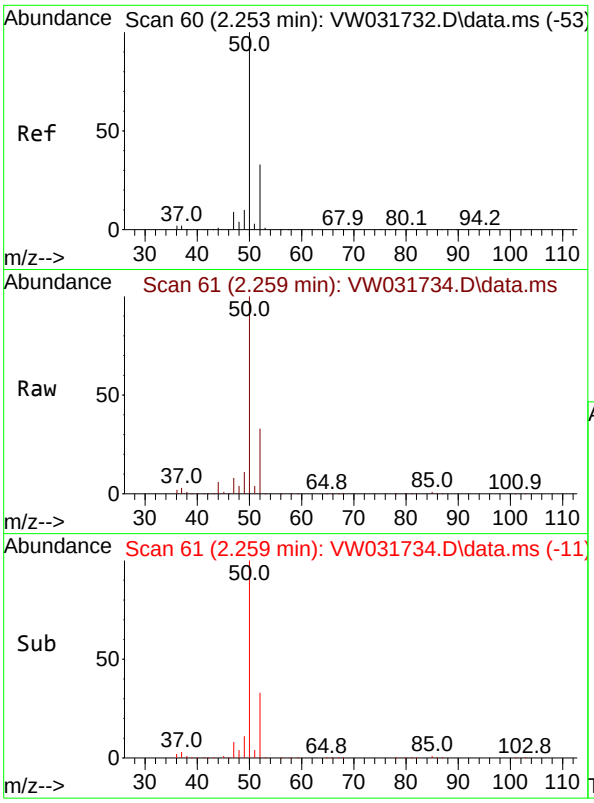


#2
Dichlorodifluoromethane
Concen: 154.434 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 85 Resp: 230089

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.4	46.2

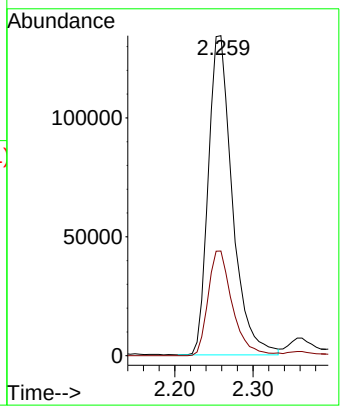




#3
Chloromethane
Concen: 159.372 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 50 Resp: 28626

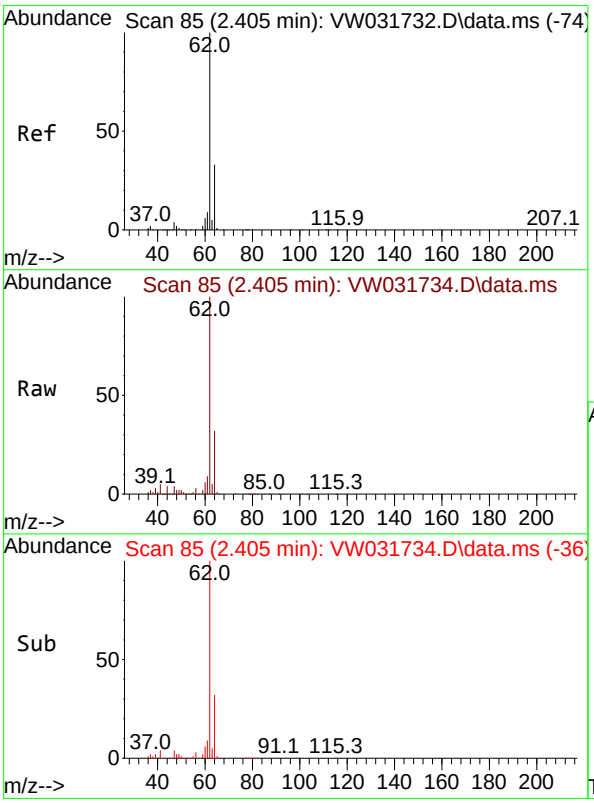
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

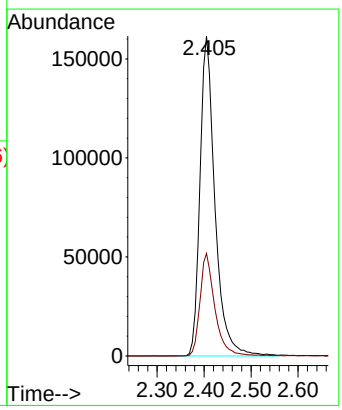
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

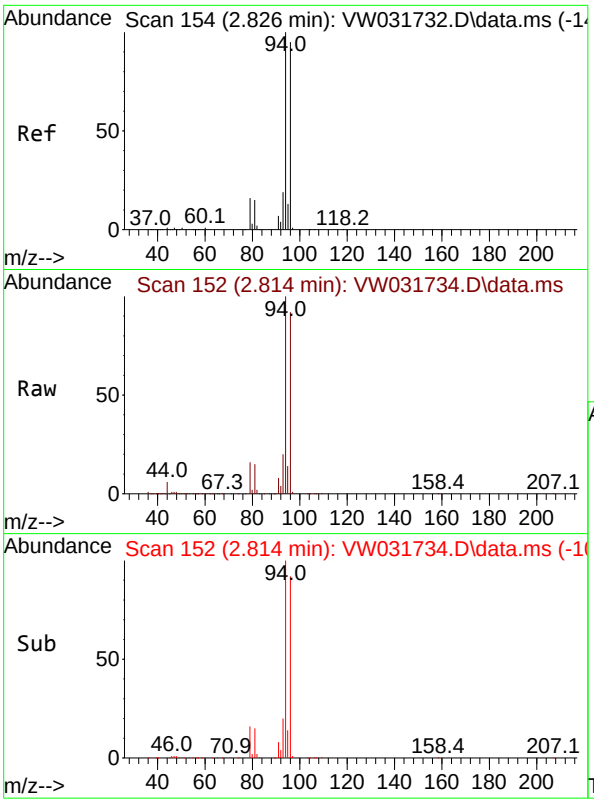


#4
Vinyl Chloride
Concen: 151.812 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 62 Resp: 358412

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.8	40.2

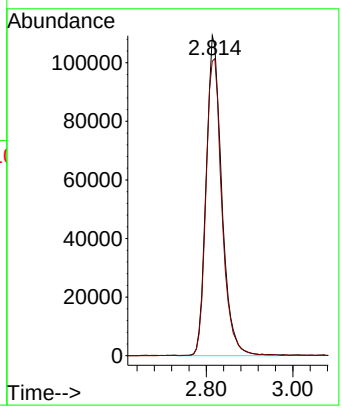




#5
Bromomethane
Concen: 148.641 ug/l
RT: 2.814 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 94 Resp: 27410

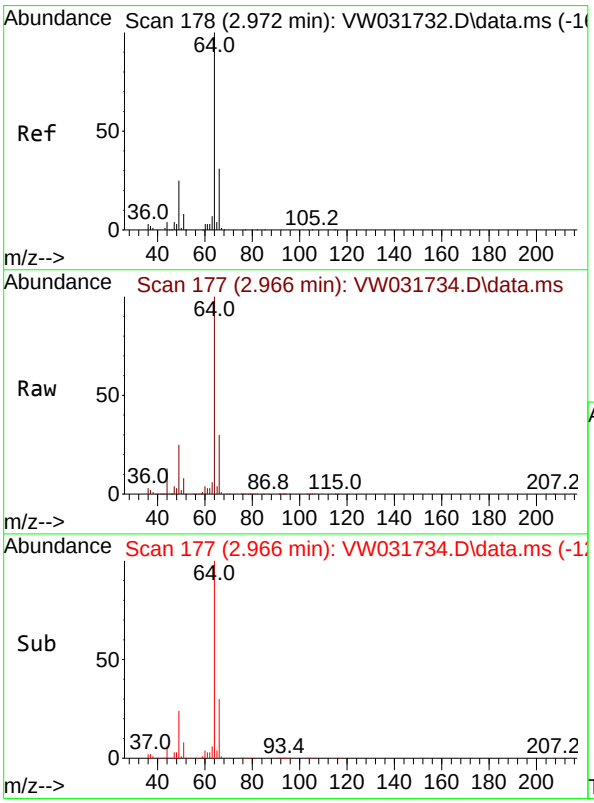
Ion	Ratio	Lower	Upper
94	100		
96	92.0	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

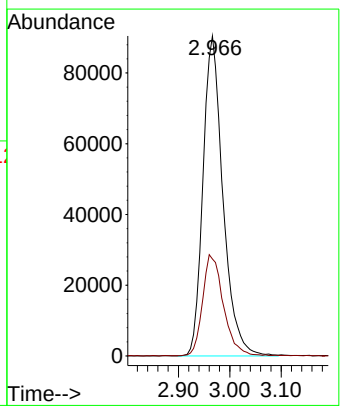
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

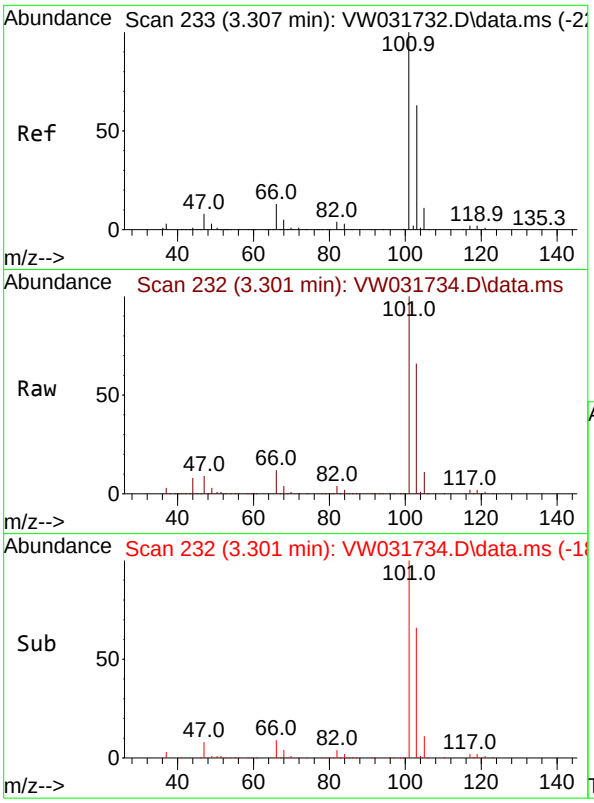


#6
Chloroethane
Concen: 152.312 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 64 Resp: 244261

Ion	Ratio	Lower	Upper
64	100		
66	30.2	24.5	36.7

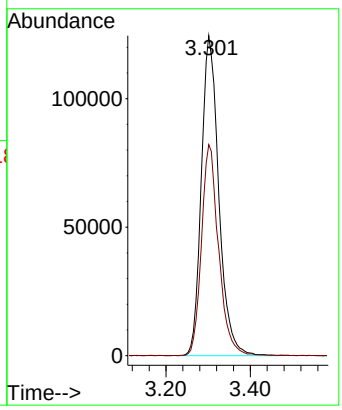




#7
Trichlorofluoromethane
Concen: 167.089 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:101 Resp: 35825

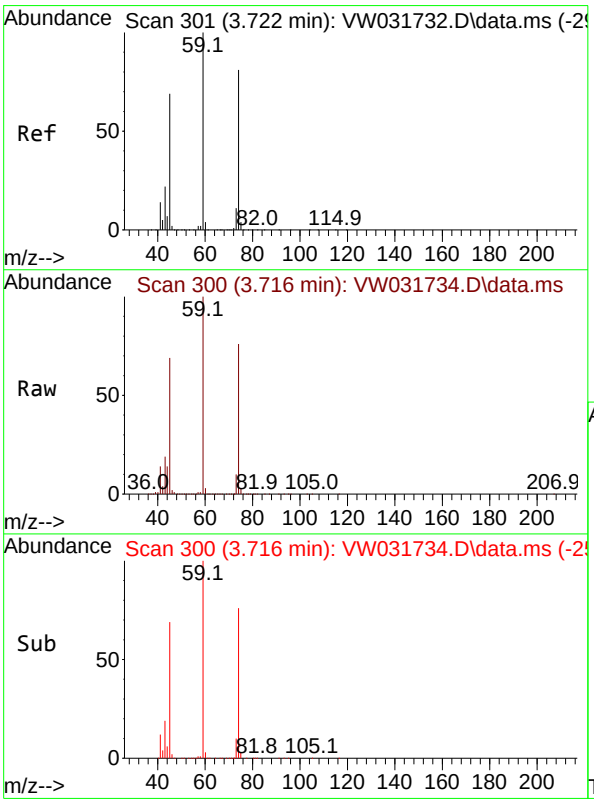
Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

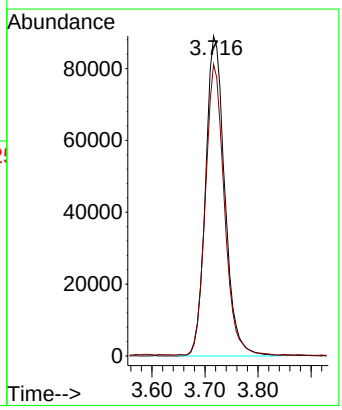
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

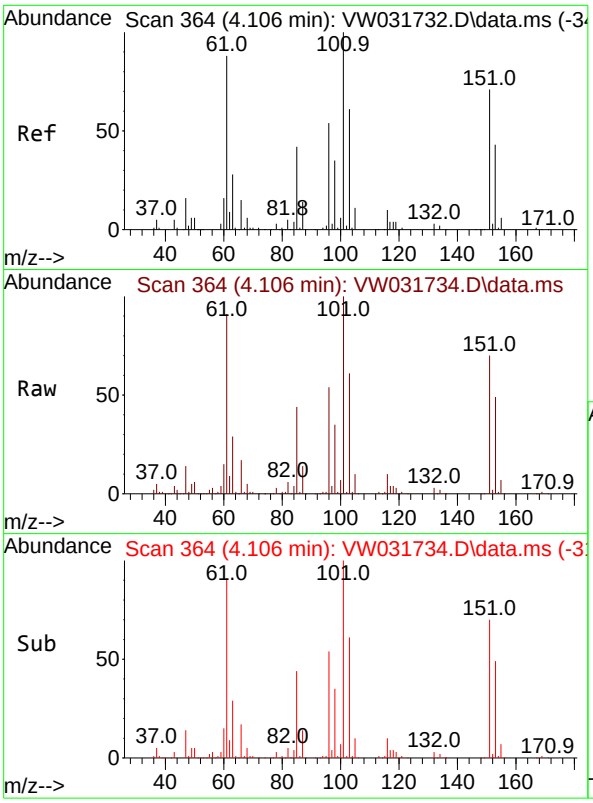


#8
Diethyl Ether
Concen: 137.038 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 74 Resp: 223268

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7

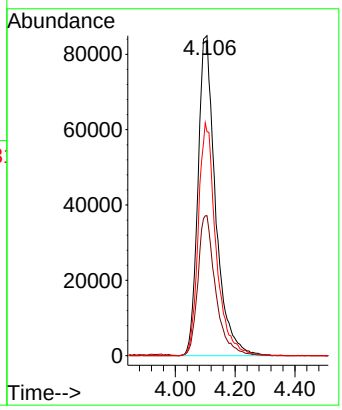




#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.081 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:101 Resp: 34765

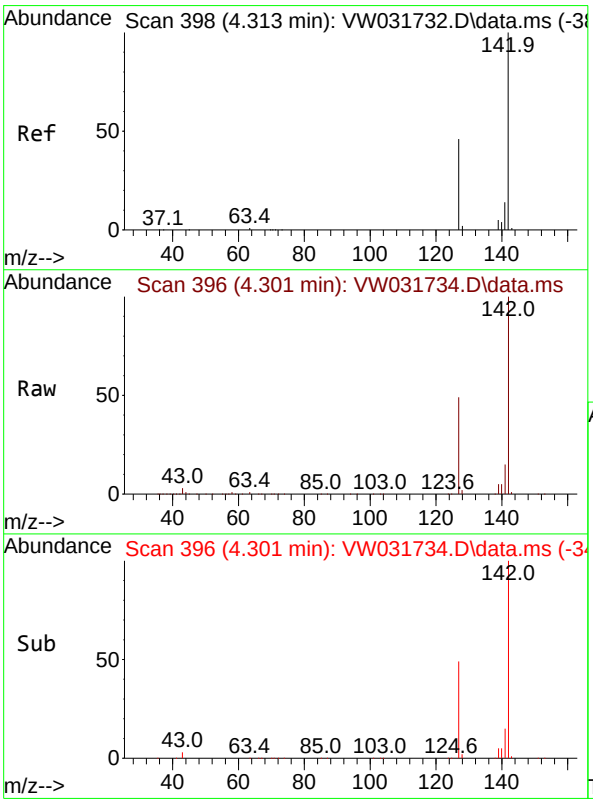
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.6	53.4
151	72.9	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

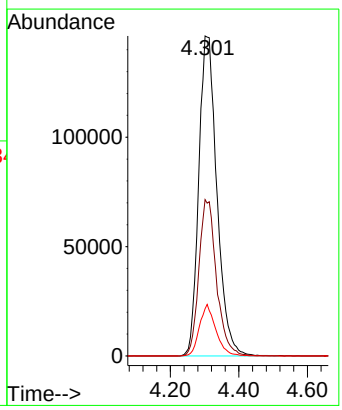
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

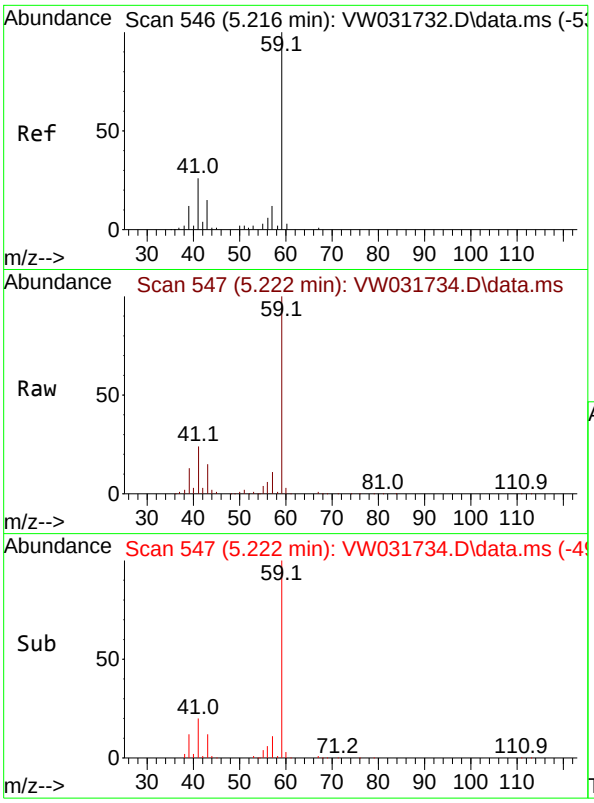


#10
Methyl Iodide
Concen: 146.918 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:142 Resp: 539018

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.9	56.9
141	14.6	11.7	17.5

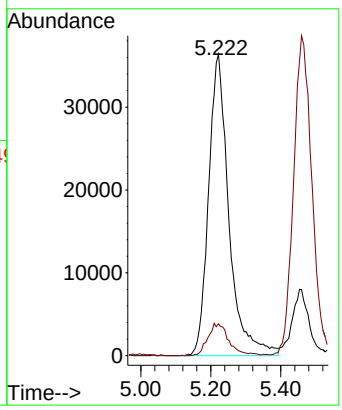




#11
Tert butyl alcohol
Concen: 754.362 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 59 Resp: 14672

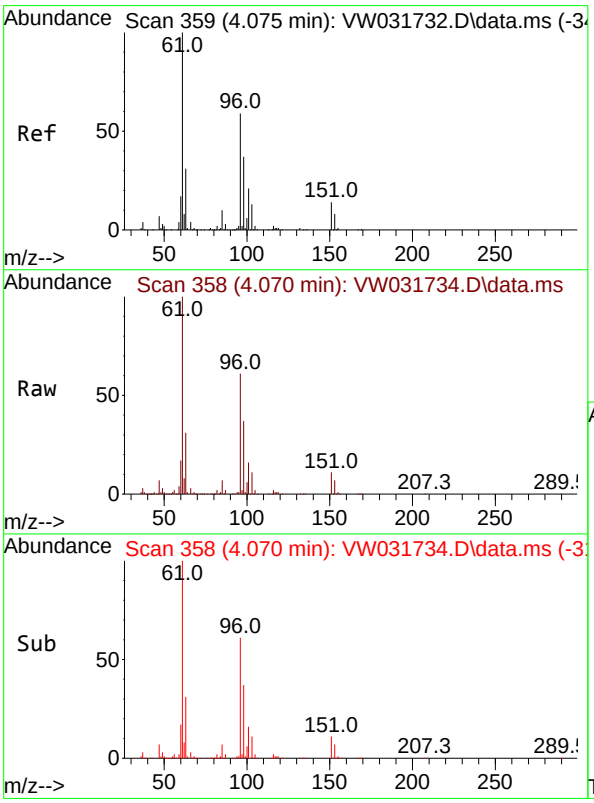
Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

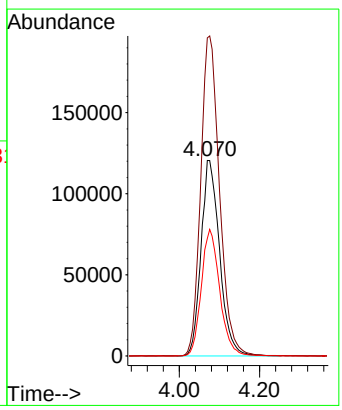
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

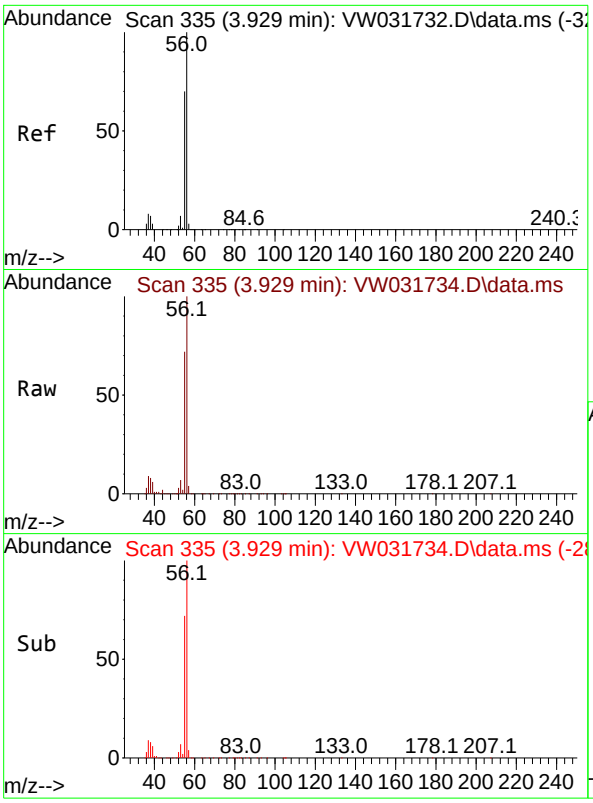


#12
1,1-Dichloroethene
Concen: 148.119 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 96 Resp: 386108

Ion	Ratio	Lower	Upper
96	100		
61	162.8	135.8	203.8
98	60.0	50.4	75.6

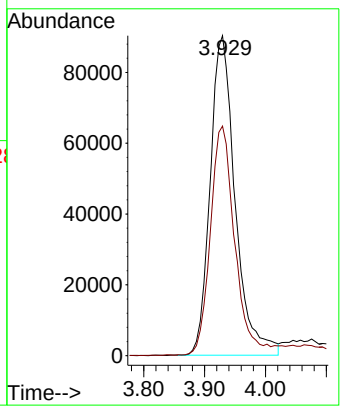




#13
Acrolein
Concen: 735.736 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 56 Resp: 25720

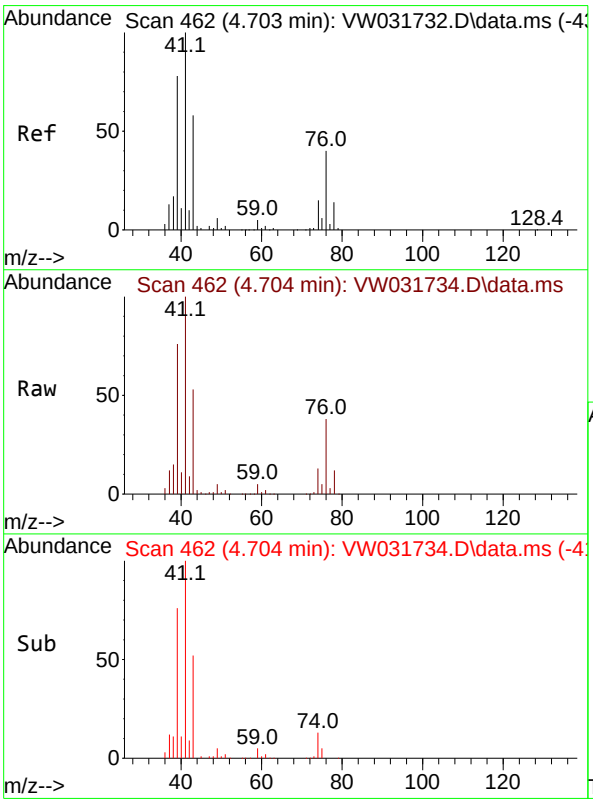
Ion	Ratio	Lower	Upper
56	100		
55	70.6	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

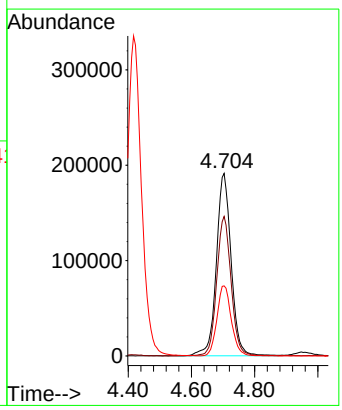
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

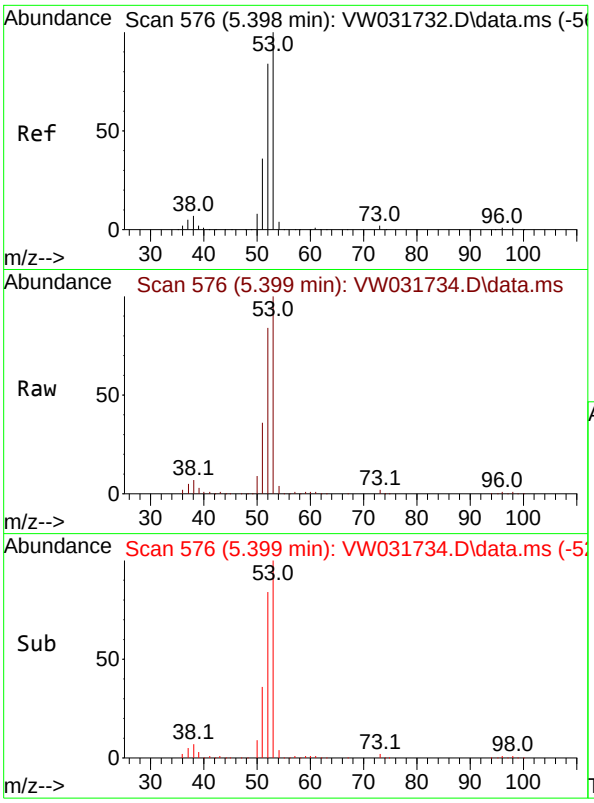


#14
Allyl chloride
Concen: 154.996 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 619915

Ion	Ratio	Lower	Upper
41	100		
39	74.3	60.7	91.1
76	37.2	30.3	45.5

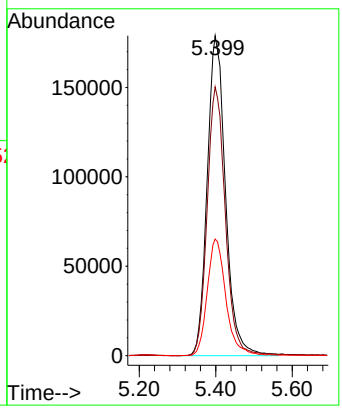




#15
Acrylonitrile
Concen: 742.391 ug/l
RT: 5.399 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 53 Resp: 59479

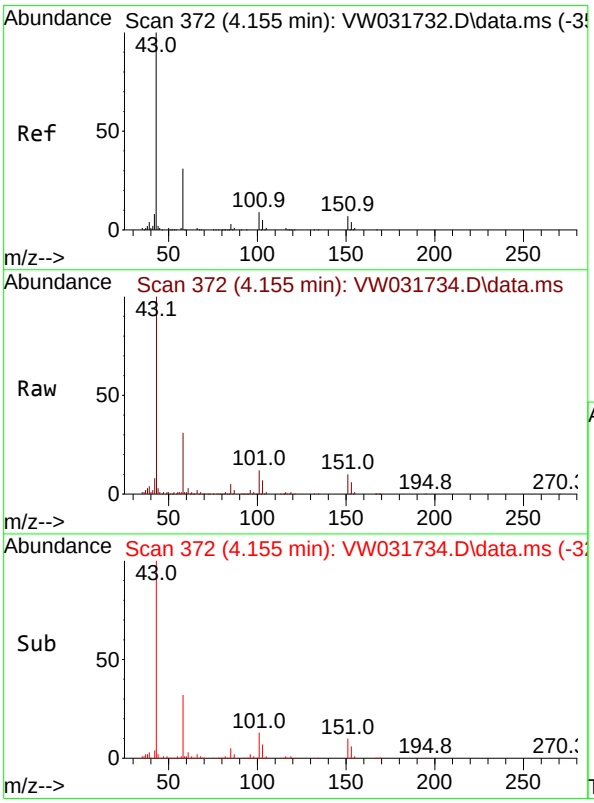
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.4	99.6
51	37.2	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

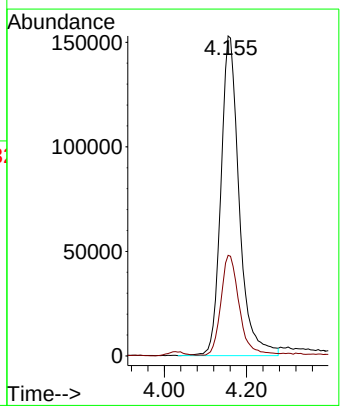
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

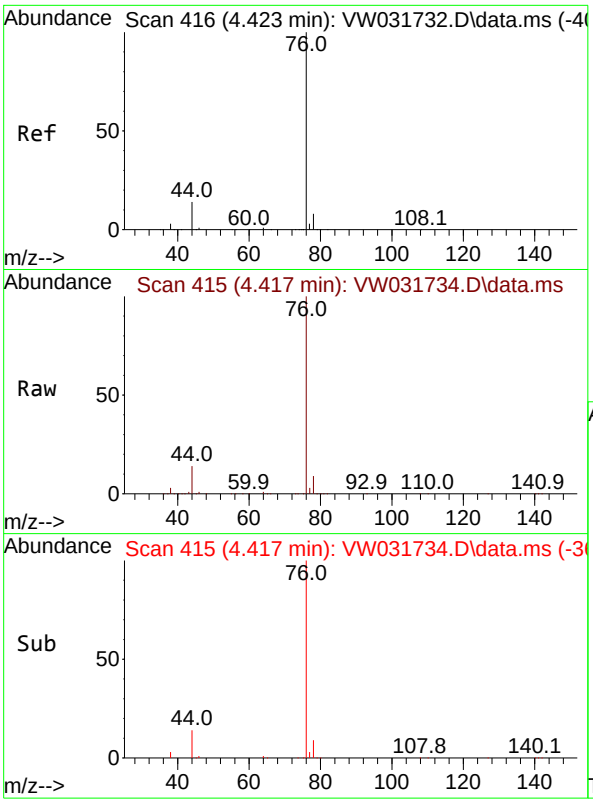


#16
Acetone
Concen: 606.303 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 473412

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.8	37.2

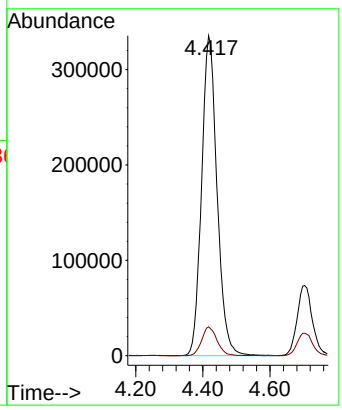




#17
Carbon Disulfide
Concen: 153.680 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 76 Resp: 107198

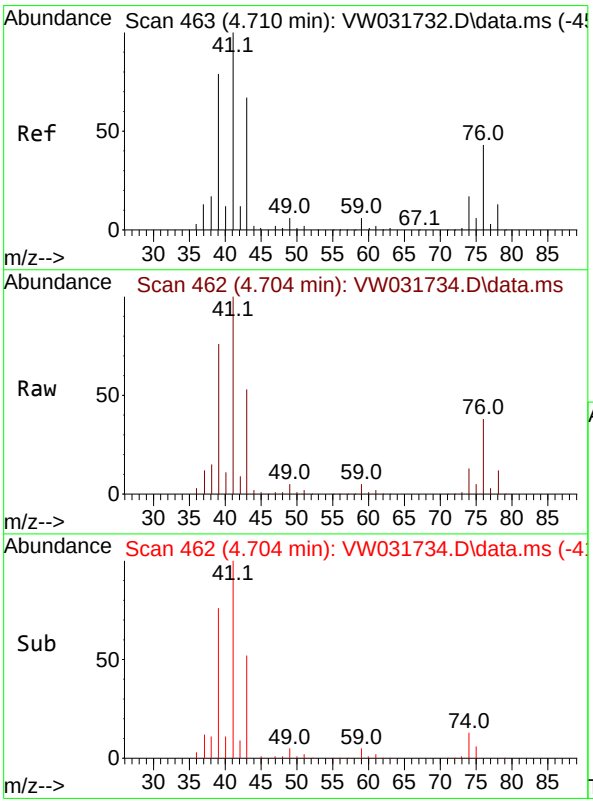
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

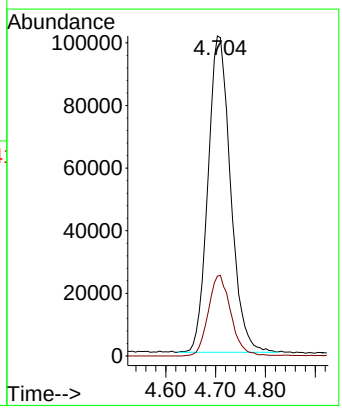
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

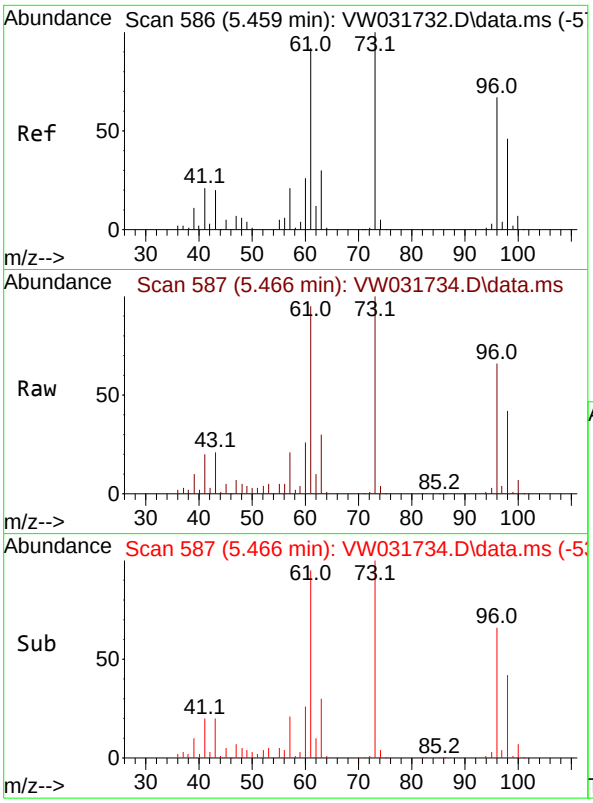


#18
Methyl Acetate
Concen: 143.565 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 318399

Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.6	30.8

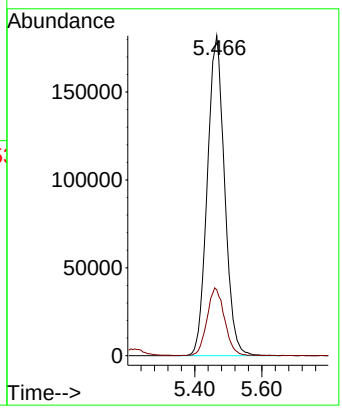




#19
Methyl tert-butyl Ether
Concen: 146.627 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 73 Resp: 64874

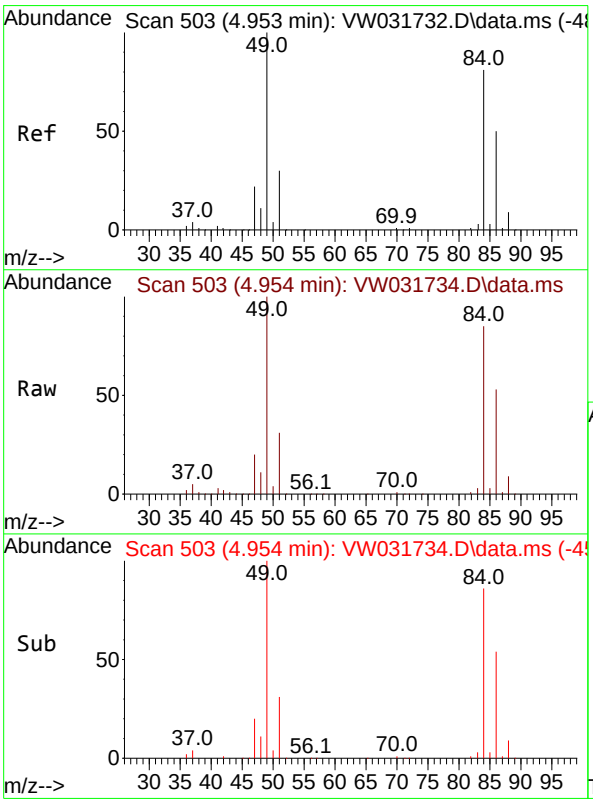
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

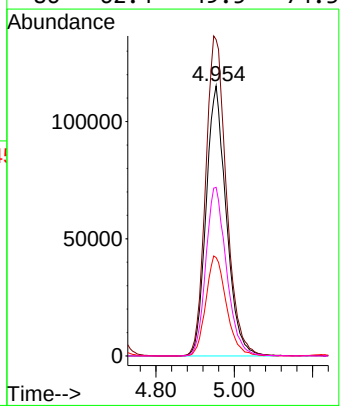
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

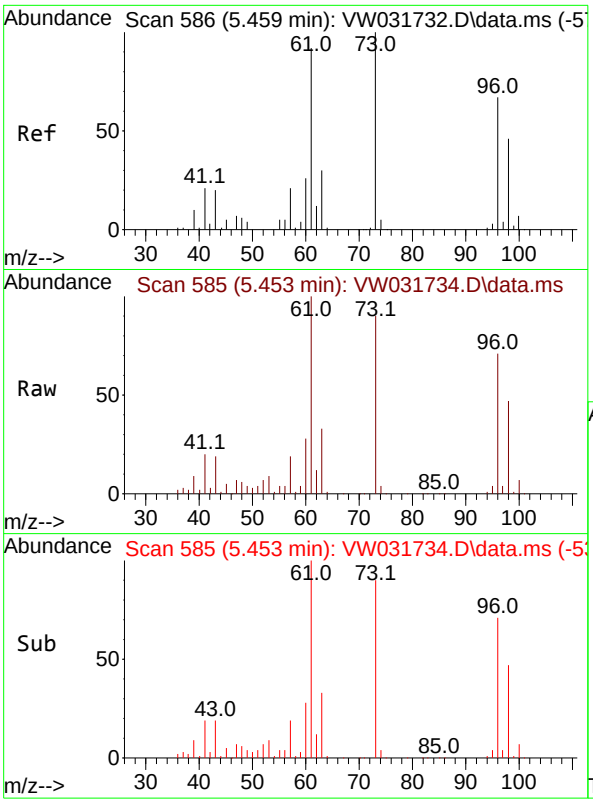


#20
Methylene Chloride
Concen: 150.156 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 84 Resp: 411070

Ion	Ratio	Lower	Upper
84	100		
49	117.1	98.2	147.4
51	36.5	29.8	44.8
86	62.4	49.5	74.3

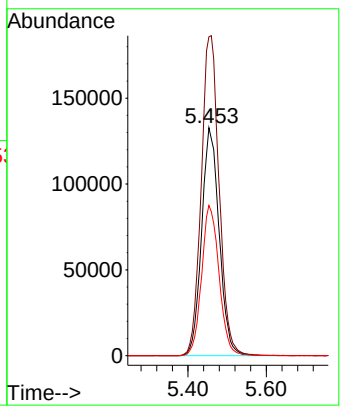




#21
trans-1,2-Dichloroethene
Concen: 149.107 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 96 Resp: 41299

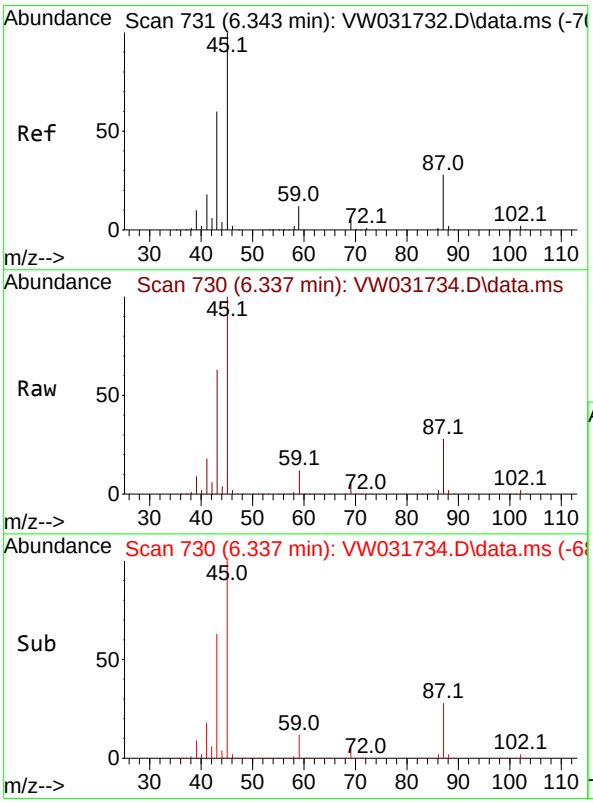
Ion	Ratio	Lower	Upper
96	100		
61	139.9	109.8	164.6
98	65.9	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

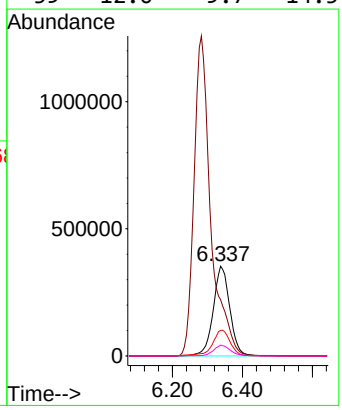
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

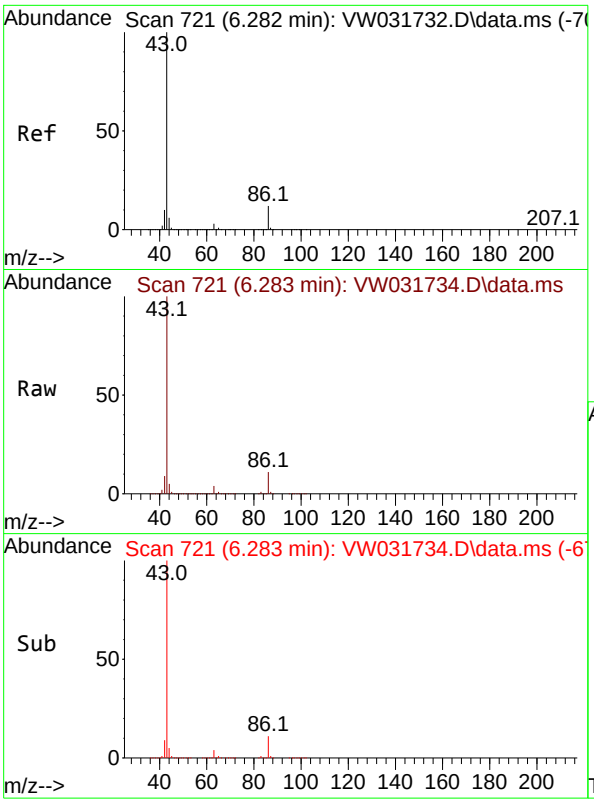


#22
Diisopropyl ether
Concen: 148.881 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 45 Resp: 1161324

Ion	Ratio	Lower	Upper
45	100		
43	62.5	48.3	72.5
87	28.4	22.6	34.0
59	12.0	9.7	14.5

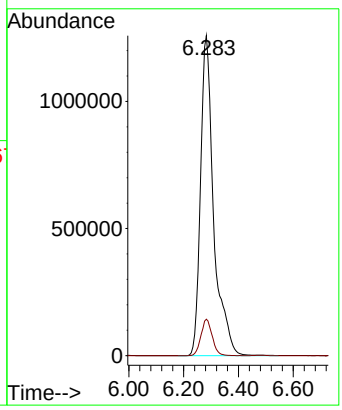




#23
Vinyl Acetate
Concen: 785.745 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 418641

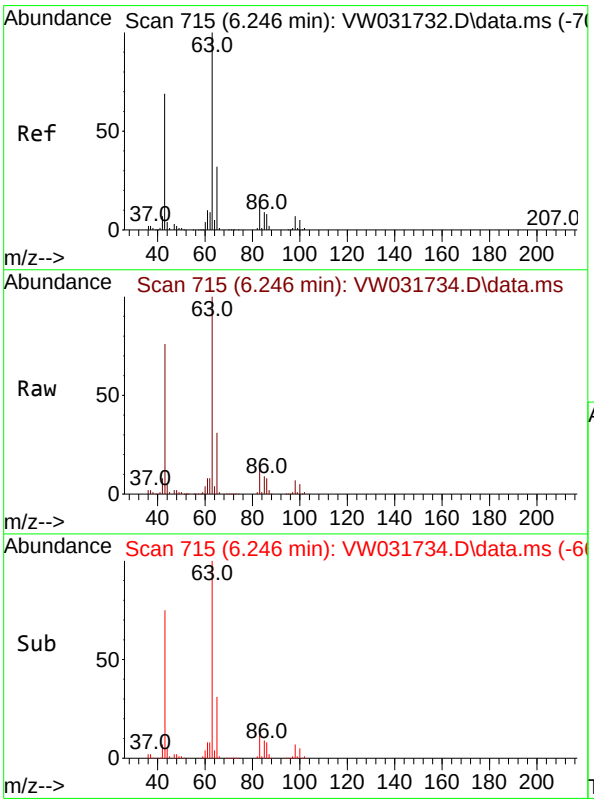
Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

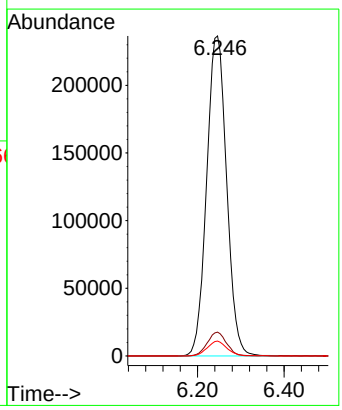
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

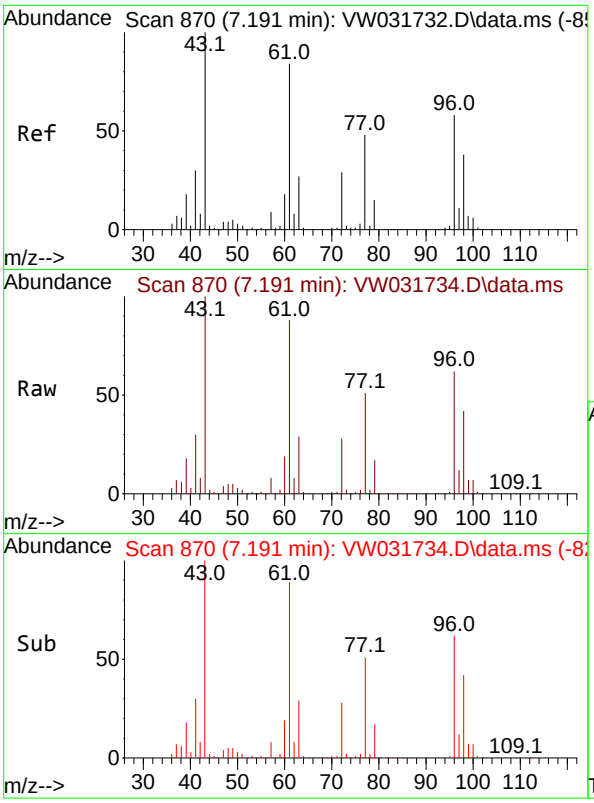


#24
1,1-Dichloroethane
Concen: 149.658 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 756841

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.6
100	4.6	2.5	7.5

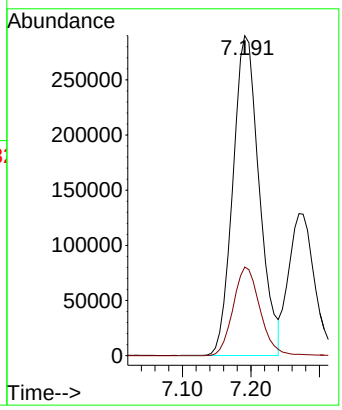




#25
2-Butanone
Concen: 768.838 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 77618

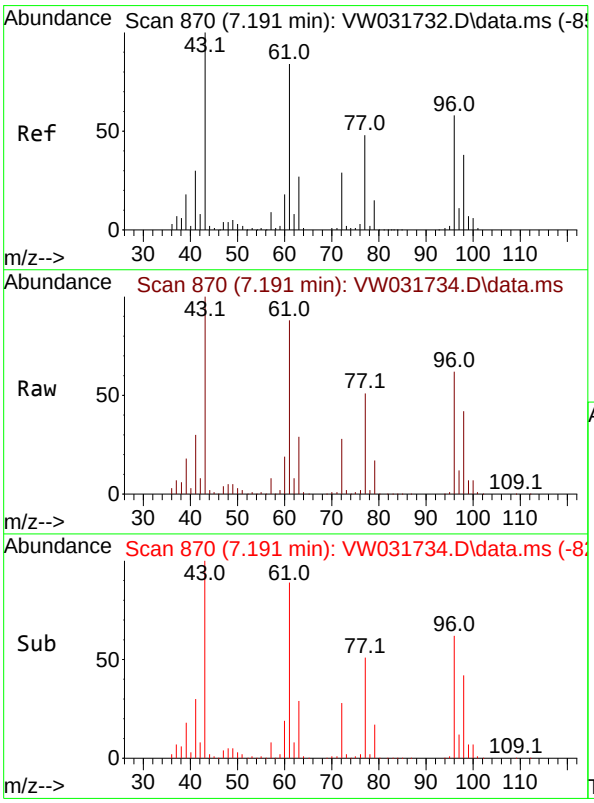
Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

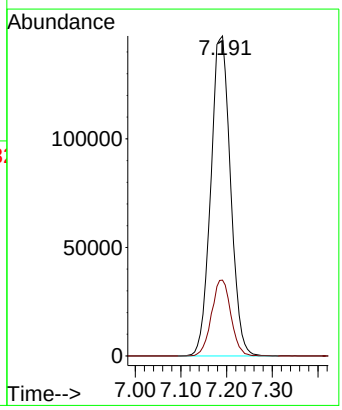
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

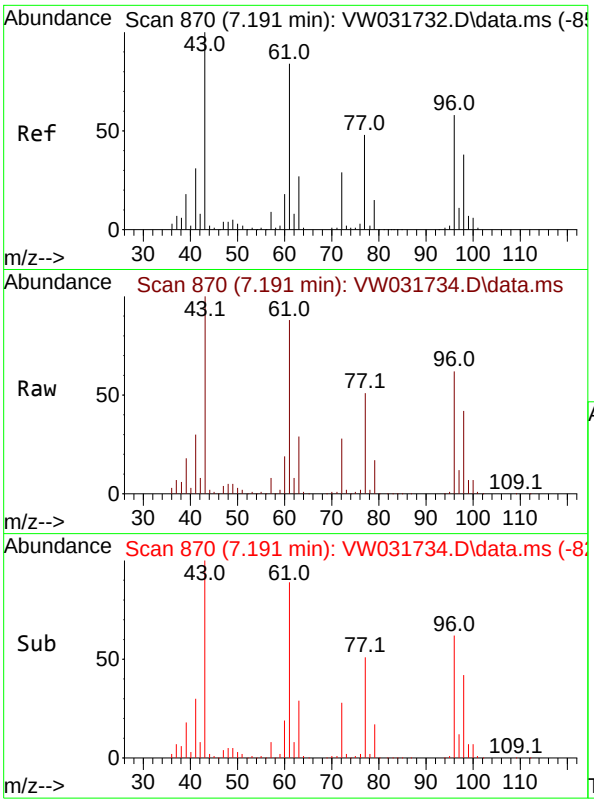


#26
2,2-Dichloropropane
Concen: 149.570 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 77 Resp: 441320

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7

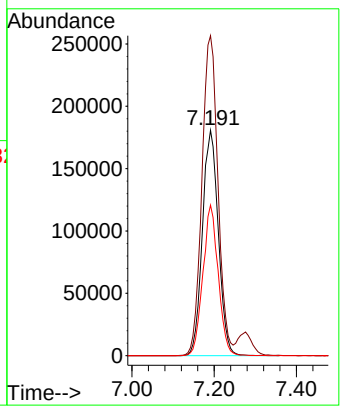




#27
cis-1,2-Dichloroethene
Concen: 152.485 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 96 Resp: 48549

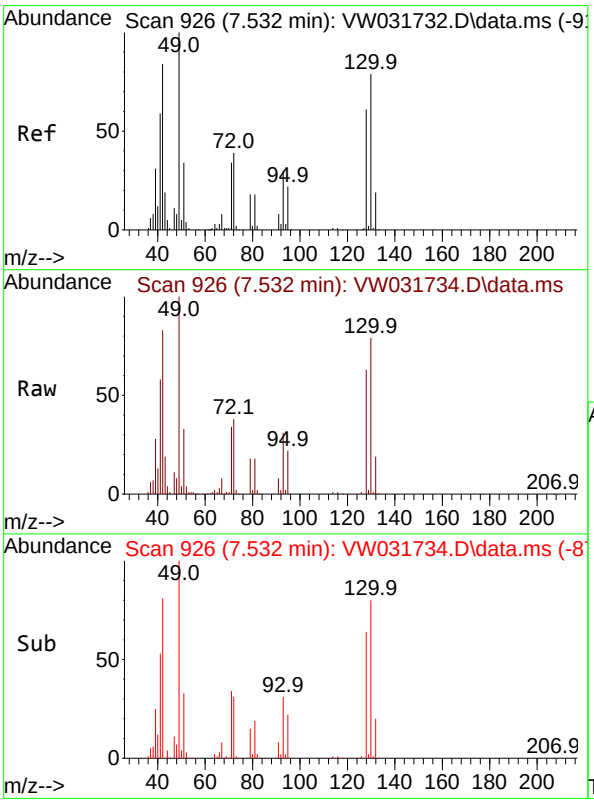
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	286.8
98	64.3	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

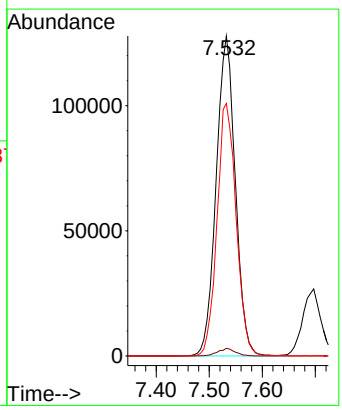
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

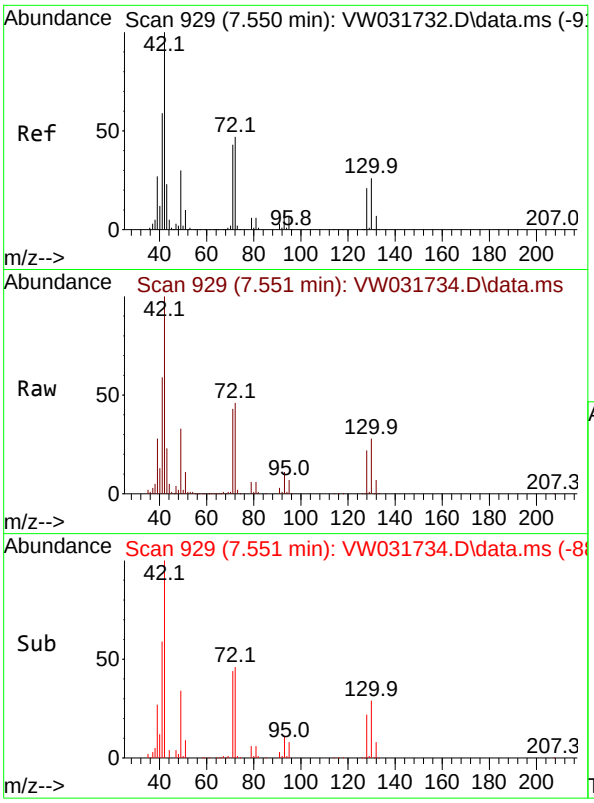


#28
Bromochloromethane
Concen: 143.858 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 49 Resp: 321043

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	78.8	61.3	91.9

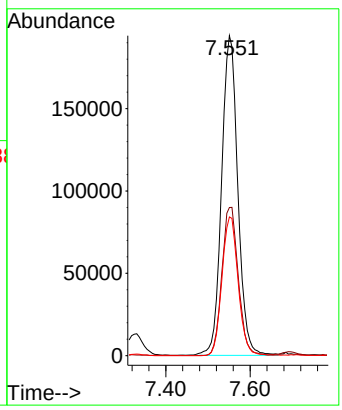




#29
Tetrahydrofuran
Concen: 748.936 ug/l
RT: 7.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 42 Resp: 51779

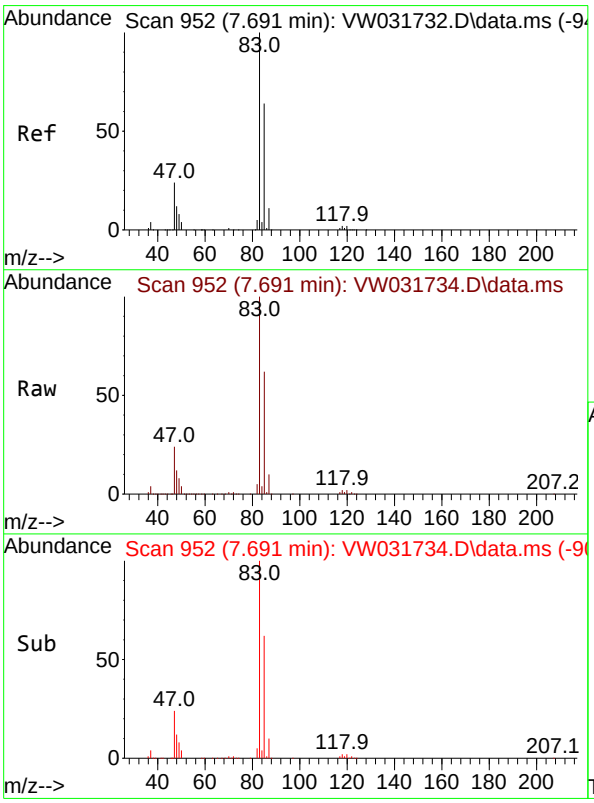
Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.8	55.2
71	43.3	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

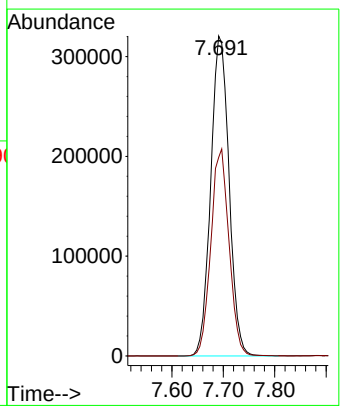
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

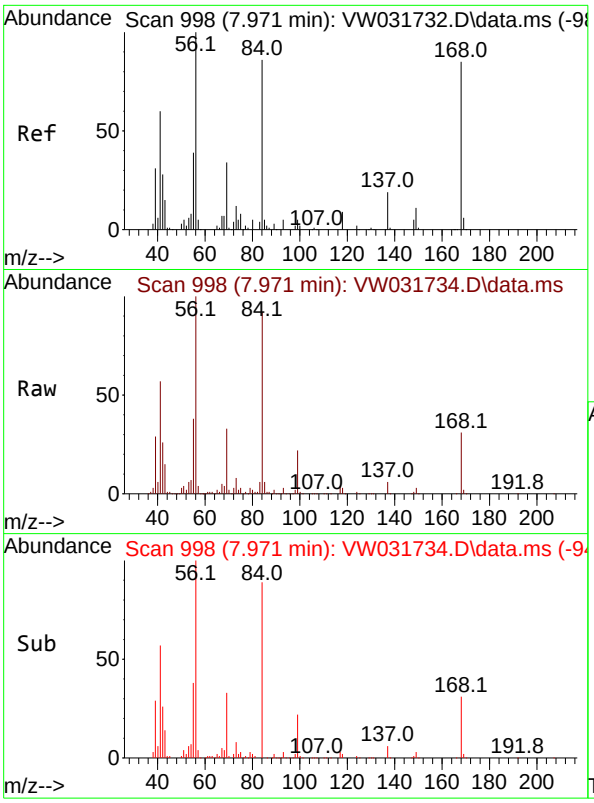


#30
Chloroform
Concen: 147.511 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 83 Resp: 792676

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0

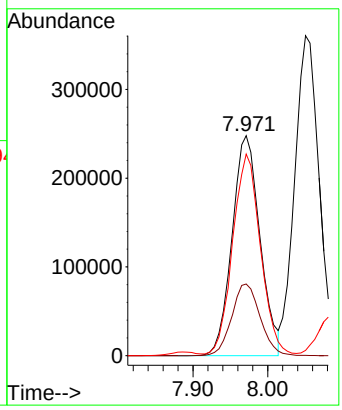




#31
Cyclohexane
Concen: 143.962 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 56 Resp: 64355

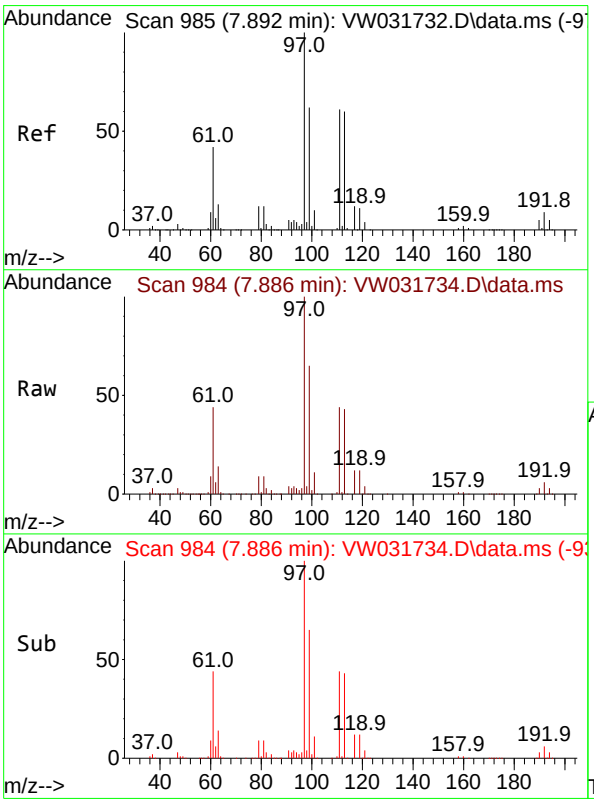
Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.2	40.8
84	90.0	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

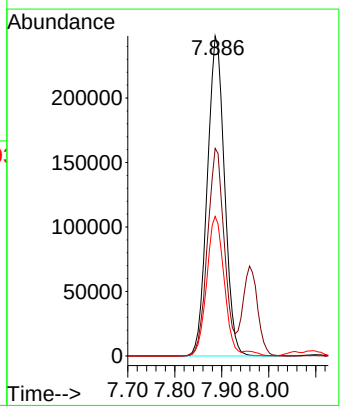
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

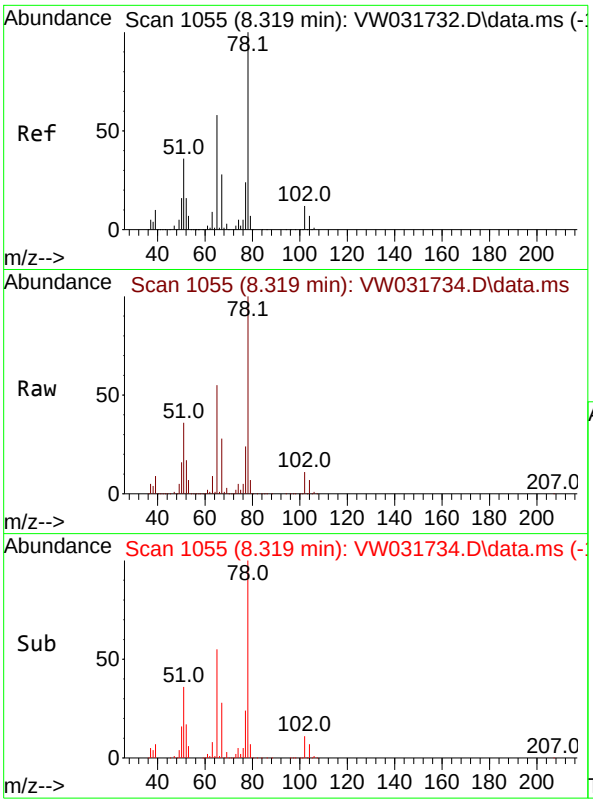


#32
1,1,1-Trichloroethane
Concen: 152.050 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 97 Resp: 629664

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	43.9	36.0	54.0

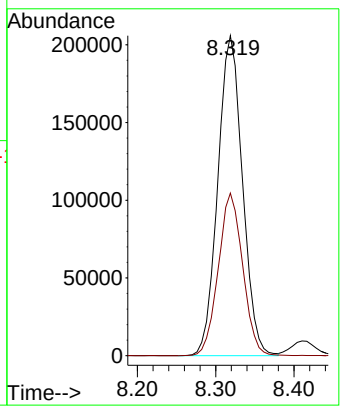




#33
1,2-Dichloroethane-d4
Concen: 143.606 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 65 Resp: 45085

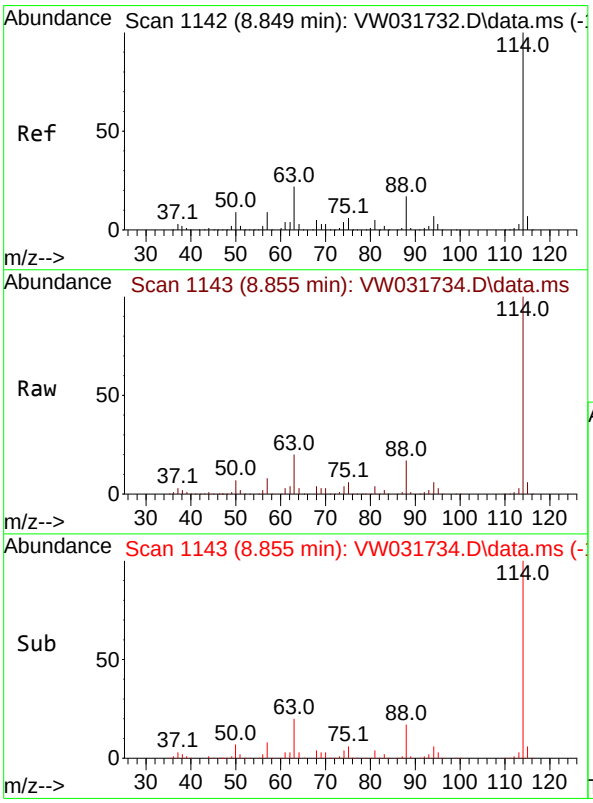
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

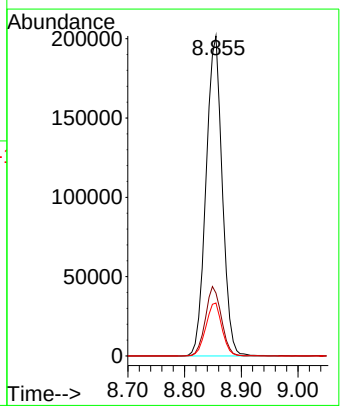
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

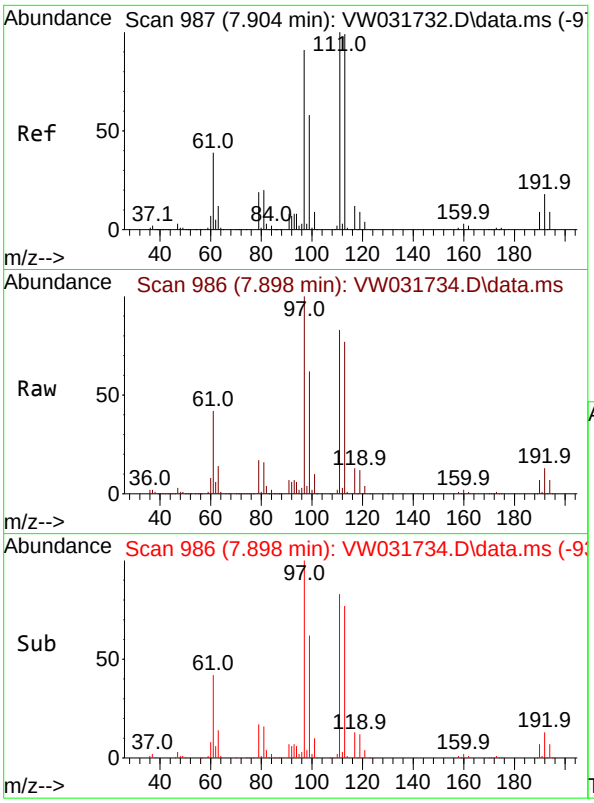


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:114 Resp: 399414

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.6
88	16.6	0.0	34.2

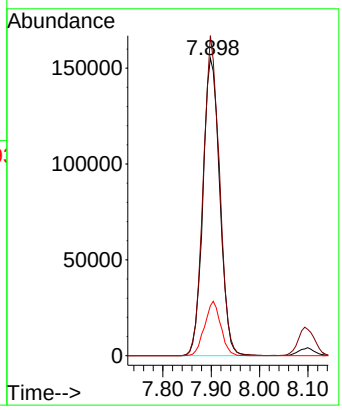




#35
Dibromofluoromethane
Concen: 143.636 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:113 Resp: 37436

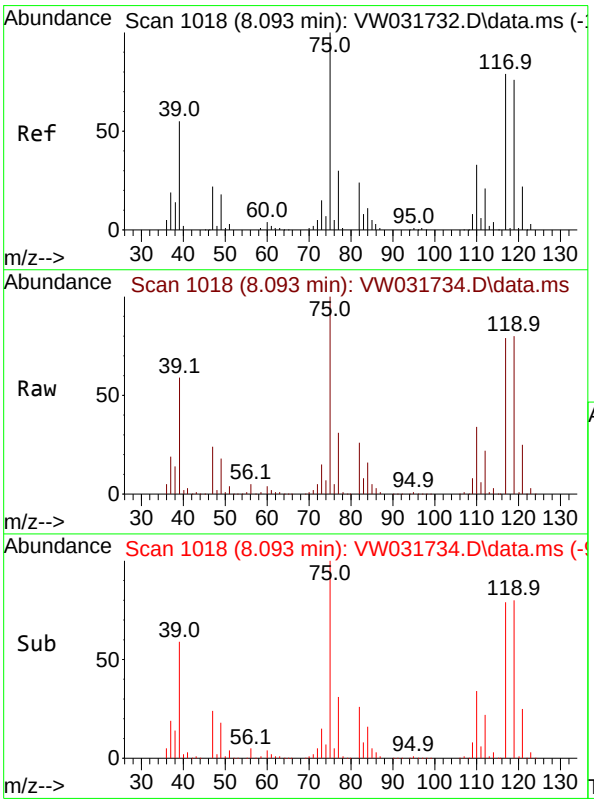
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	17.6	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

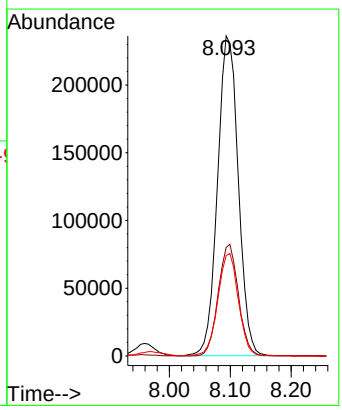
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

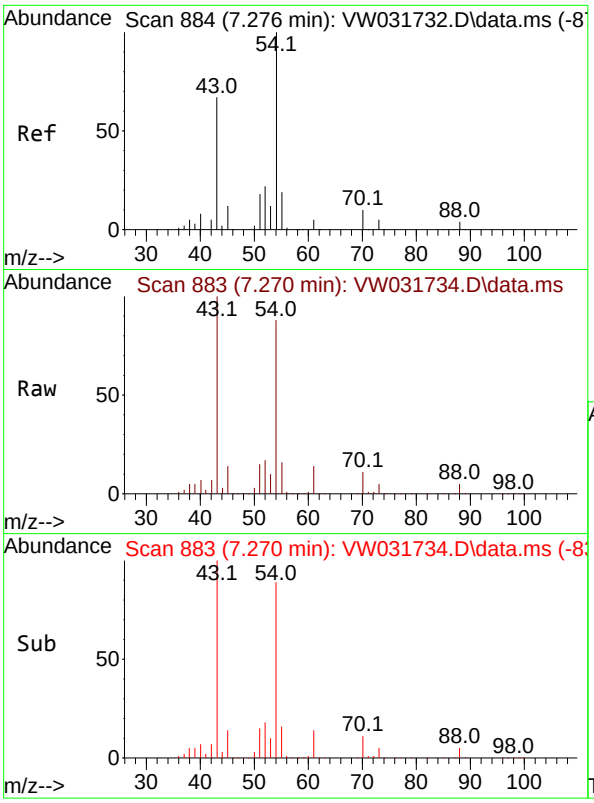


#36
1,1-Dichloropropene
Concen: 148.429 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 559803

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.8	50.4
77	31.8	25.0	37.6

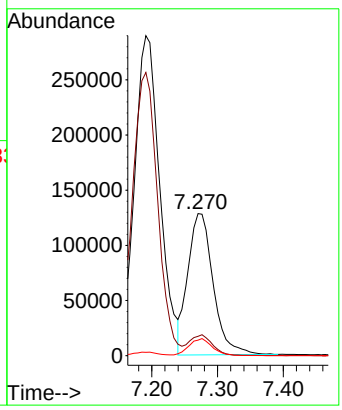




#37
Ethyl Acetate
Concen: 143.618 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 34169

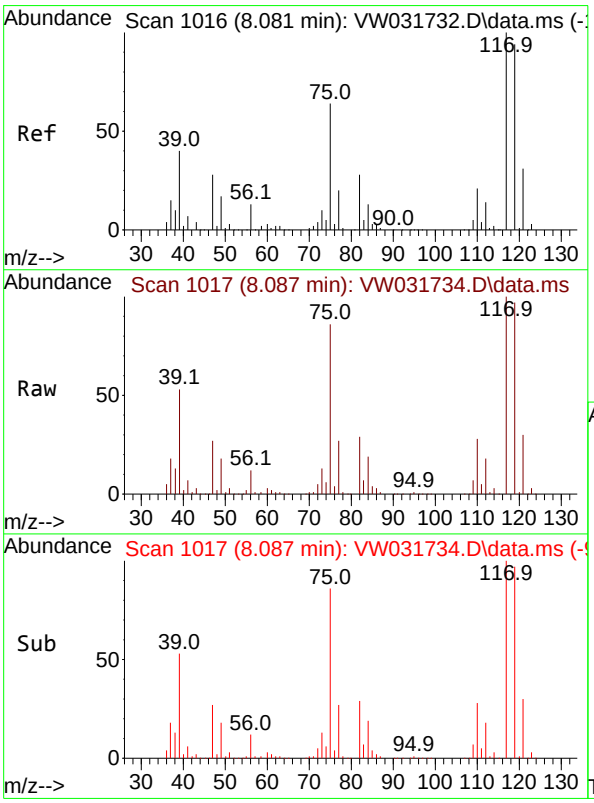
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.2	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

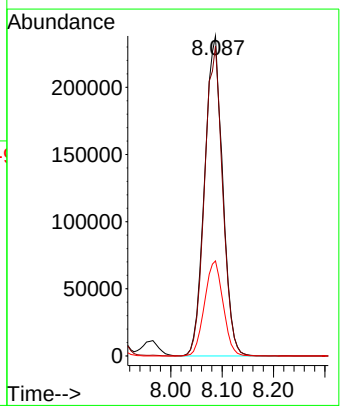
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

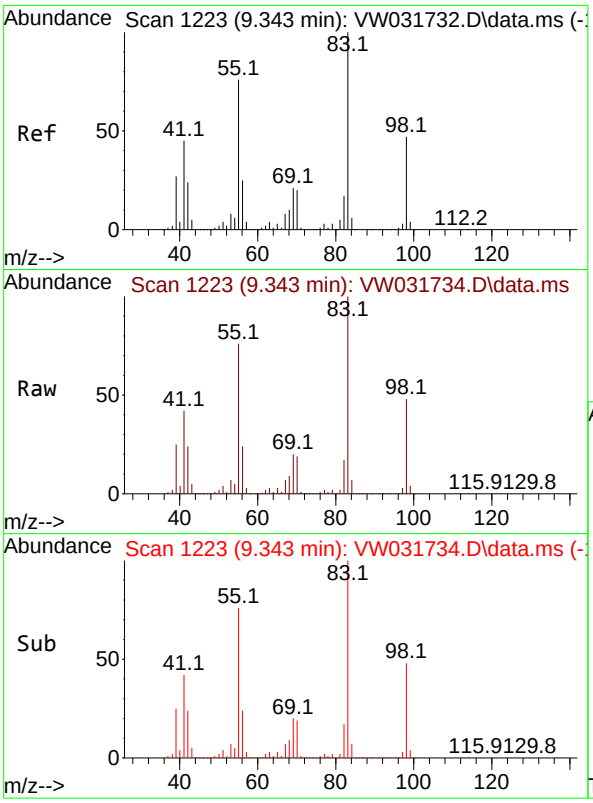


#38
Carbon Tetrachloride
Concen: 151.072 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:117 Resp: 580610

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.0	112.6
121	29.7	24.6	37.0

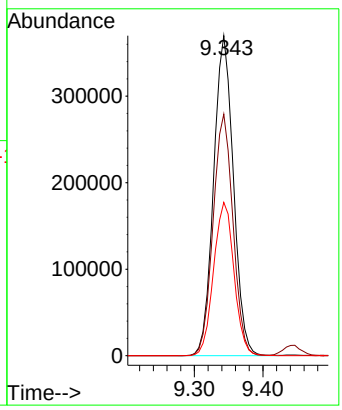




#39
Methylcyclohexane
Concen: 157.996 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 83 Resp: 74138

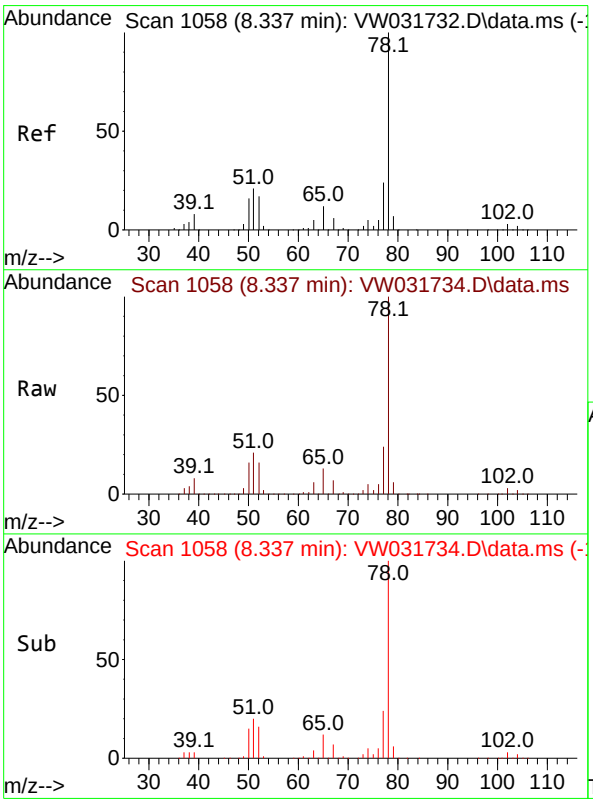
Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.0	91.4
98	47.9	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

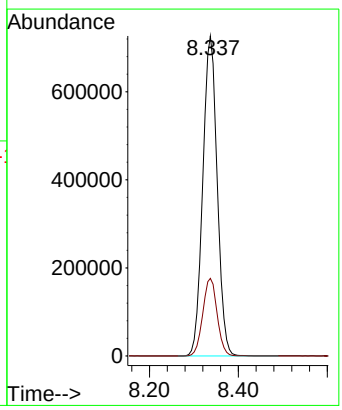
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

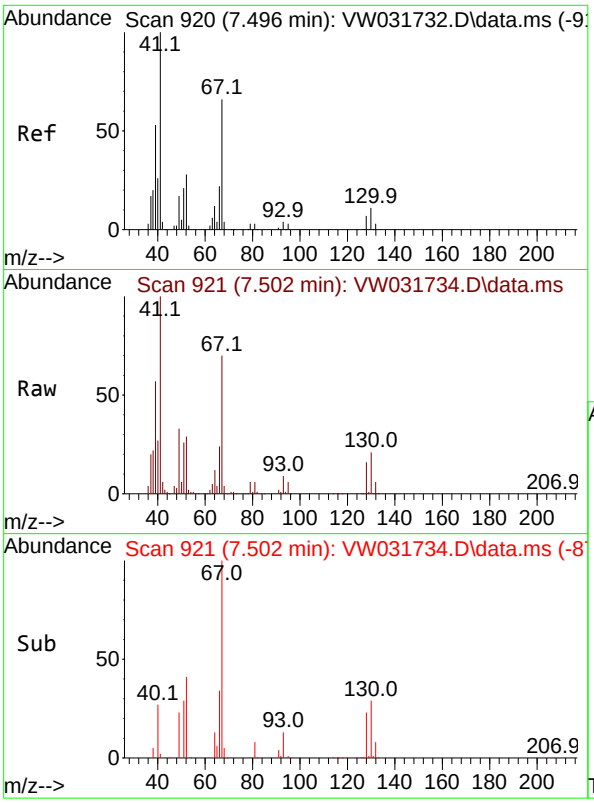


#40
Benzene
Concen: 147.198 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 78 Resp: 1642494

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8

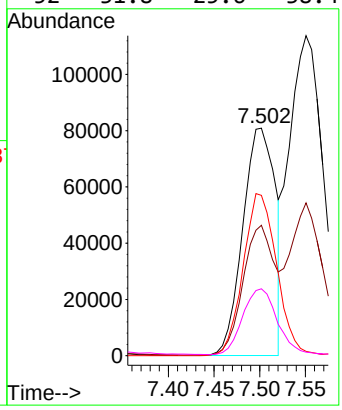




#41
Methacrylonitrile
Concen: 156.650 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 19965

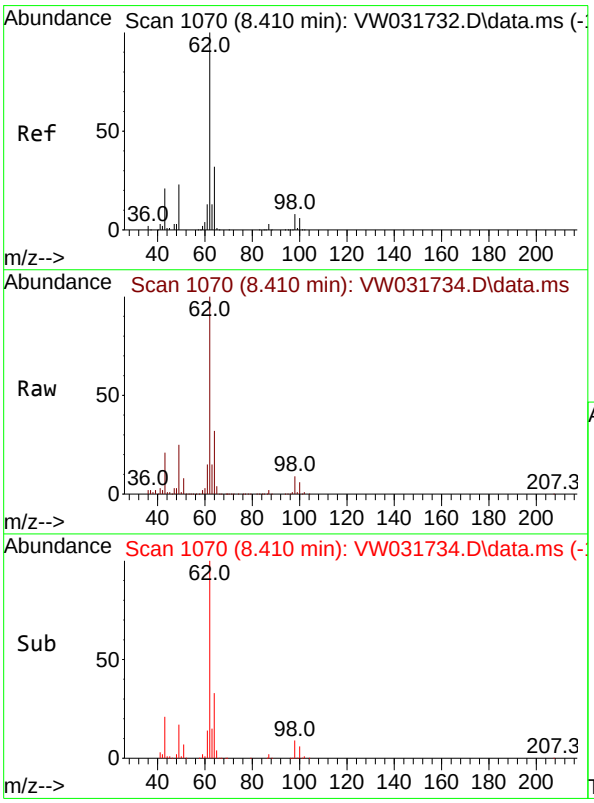
Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.2	64.8
67	74.1	58.1	87.1
52	31.8	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

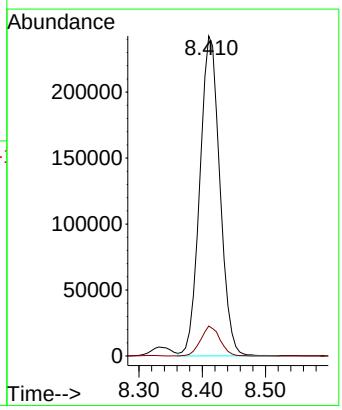
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

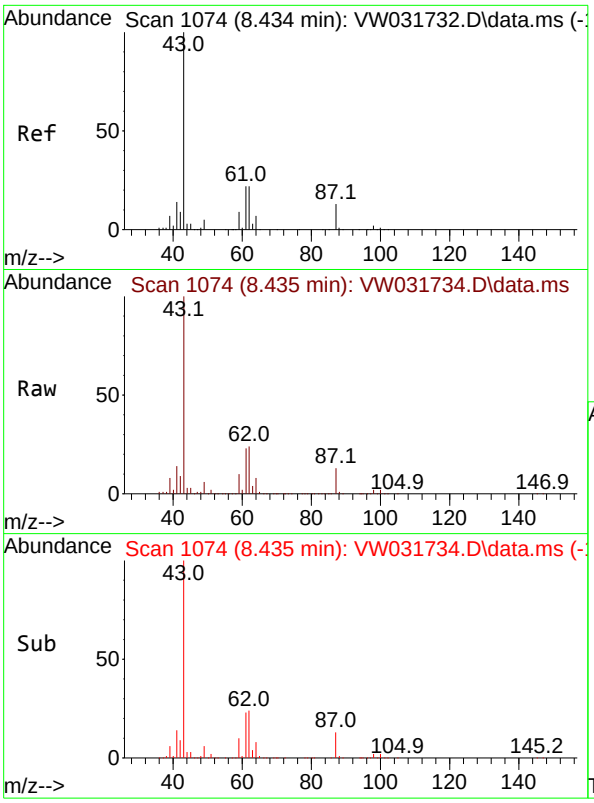


#42
1,2-Dichloroethane
Concen: 141.578 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 62 Resp: 533792

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2

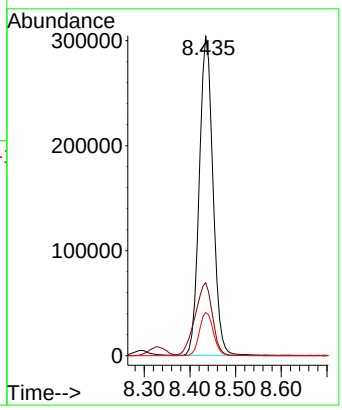




#43
Isopropyl Acetate
Concen: 153.874 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 6310

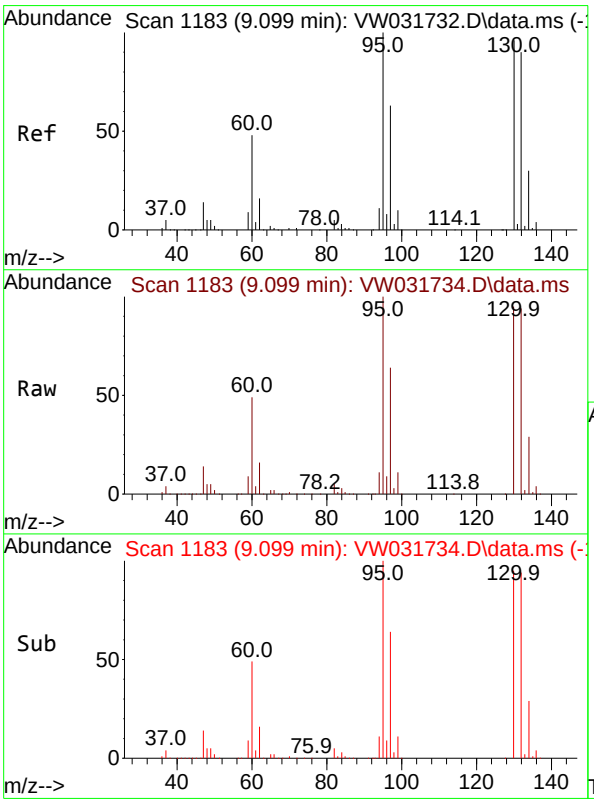
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.8	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

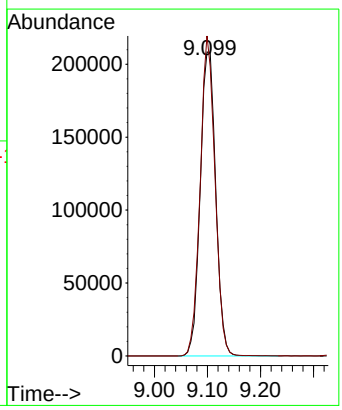
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

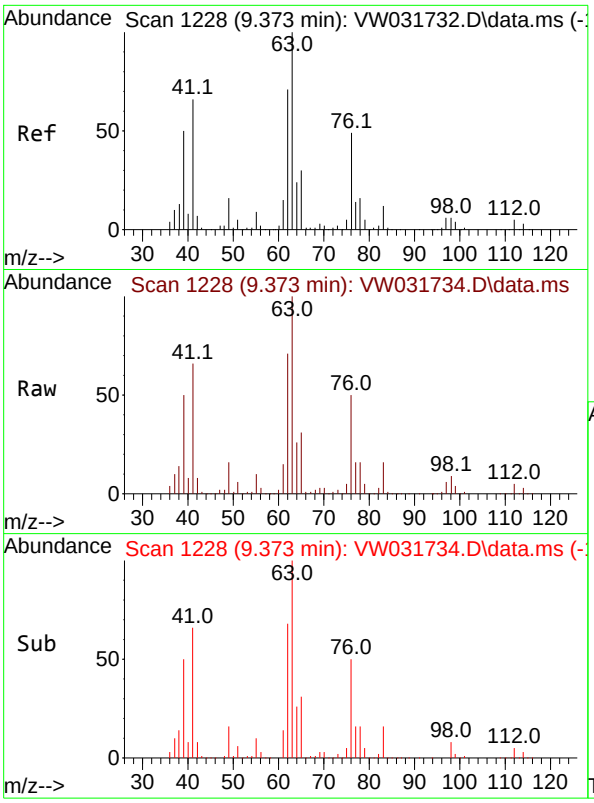


#44
Trichloroethene
Concen: 152.358 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:130 Resp: 424322

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	208.6

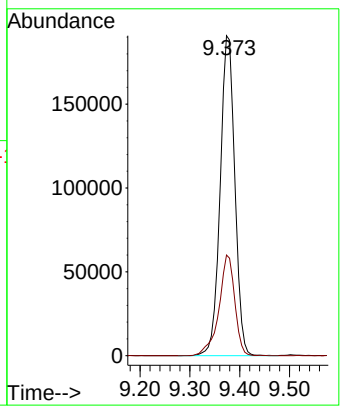




#45
1,2-Dichloropropane
Concen: 144.616 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 39000

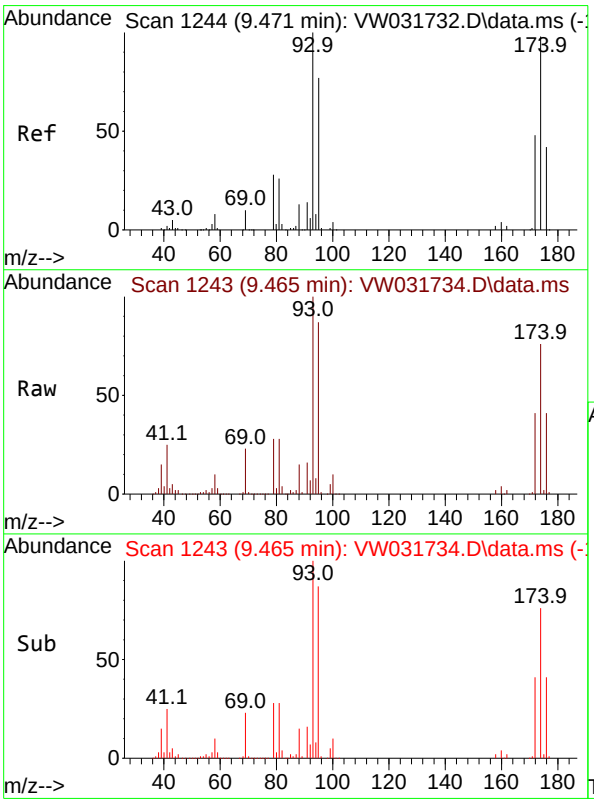
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

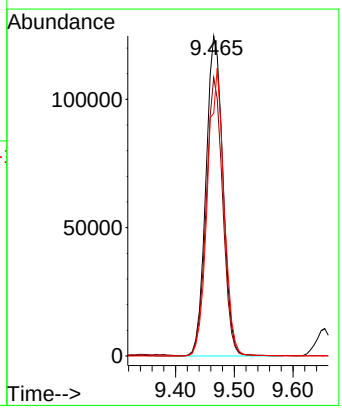
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

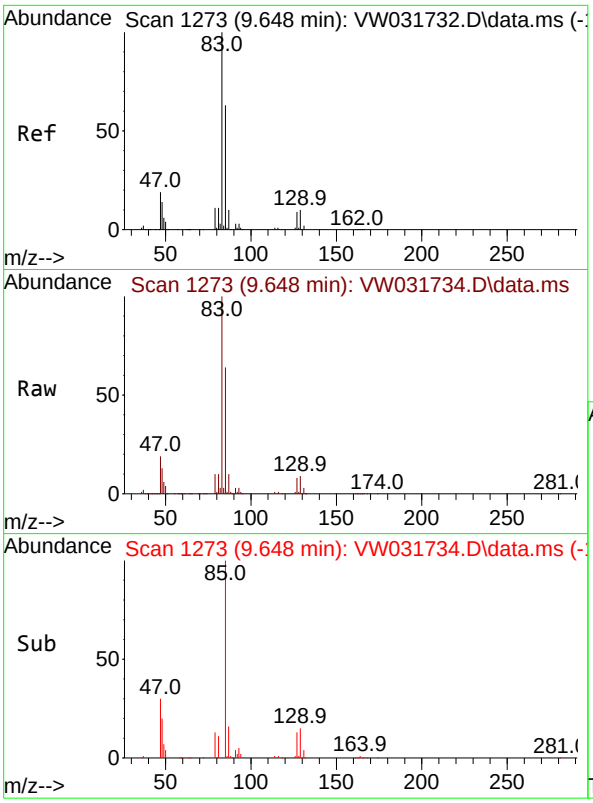


#46
Dibromomethane
Concen: 144.196 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 93 Resp: 251060

Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.0	100.4
174	87.6	71.7	107.5

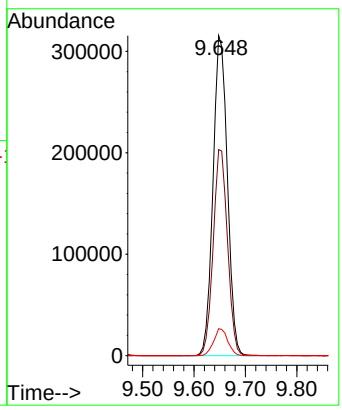




#47
Bromodichloromethane
Concen: 149.611 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 83 Resp: 61083

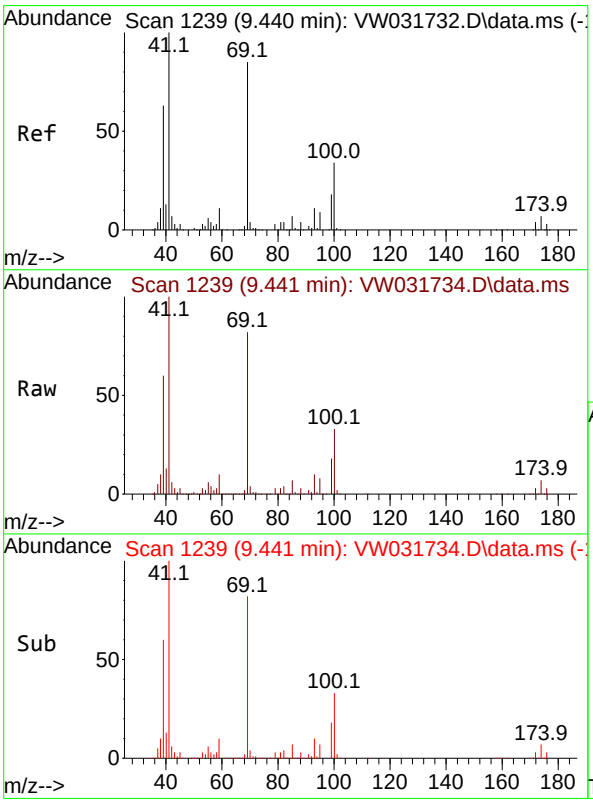
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.8	76.2
127	8.4	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

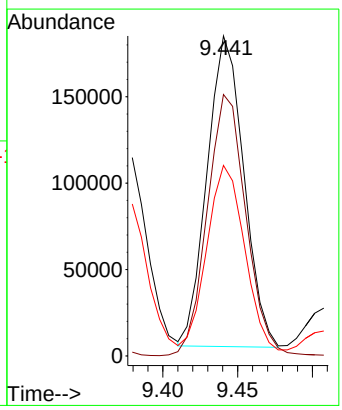
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

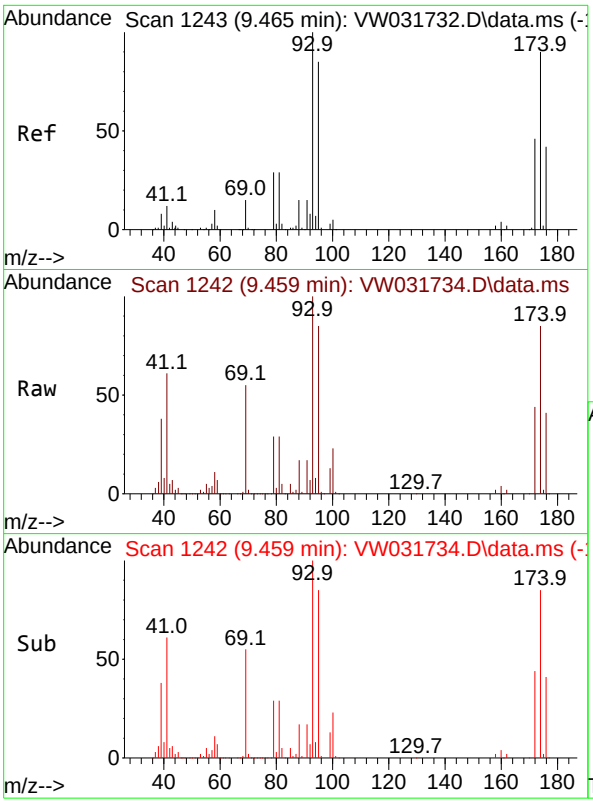


#48
Methyl methacrylate
Concen: 152.139 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 306797

Ion	Ratio	Lower	Upper
41	100		
69	89.2	71.6	107.4
39	60.2	49.5	74.3

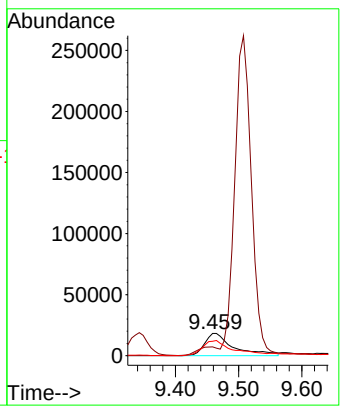




#49
1,4-Dioxane
Concen: 3121.017 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 88 Resp: 5785

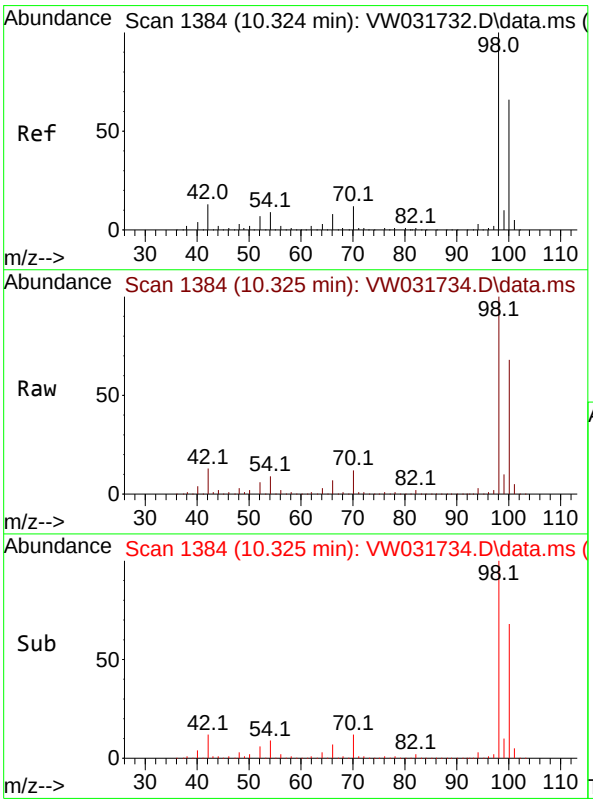
Ion	Ratio	Lower	Upper
88	100		
43	25.8	0.0	0.0
58	77.9	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

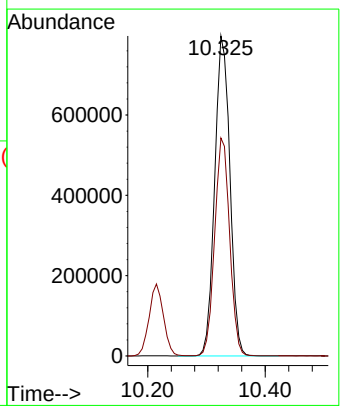
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

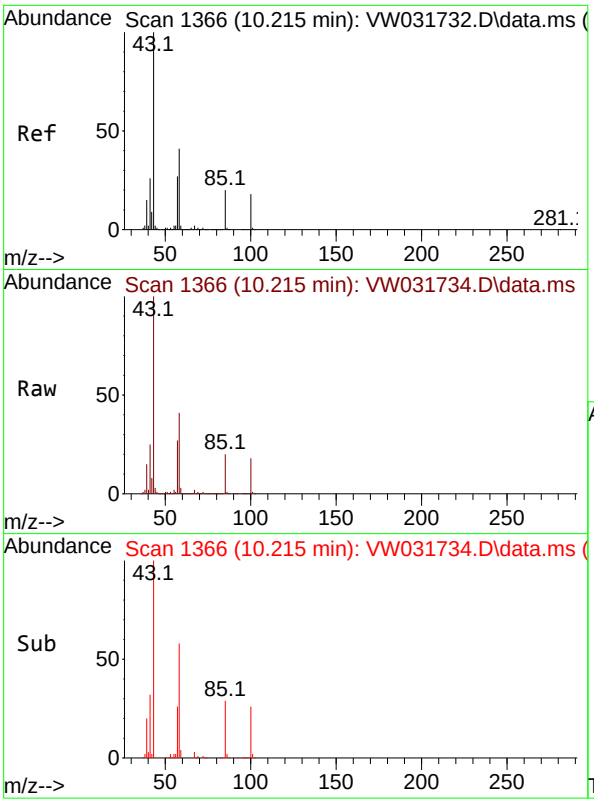


#50
Toluene-d8
Concen: 147.419 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 98 Resp: 1429859

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

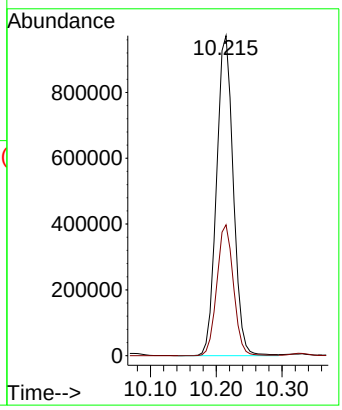




#51
4-Methyl-2-Pentanone
Concen: 729.963 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 172109

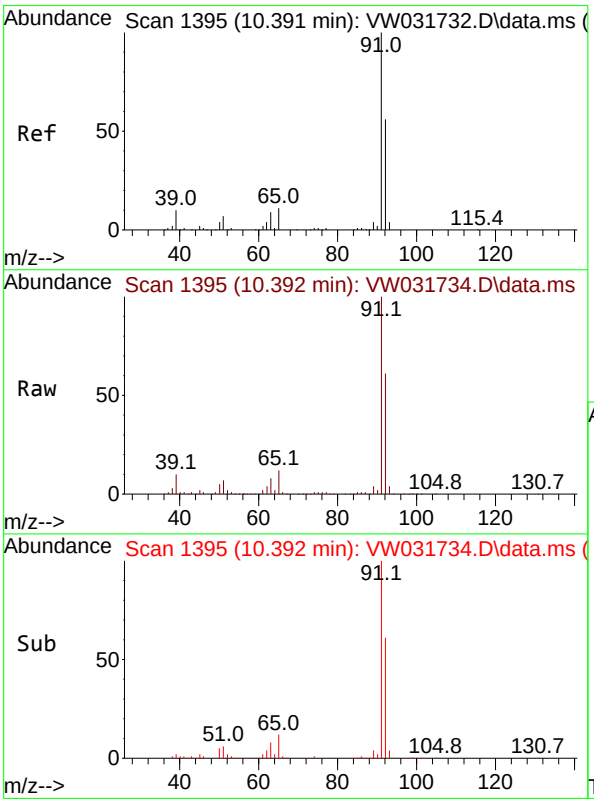
Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

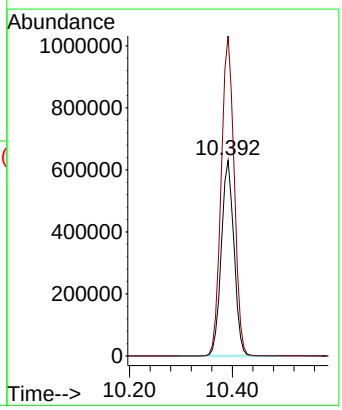
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

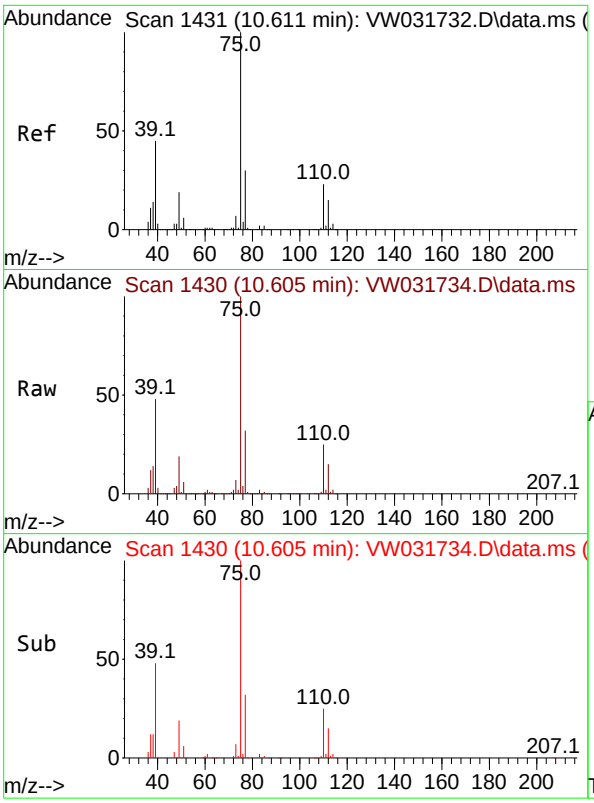


#52
Toluene
Concen: 150.709 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 92 Resp: 1076709

Ion	Ratio	Lower	Upper
92	100		
91	168.0	139.5	209.3

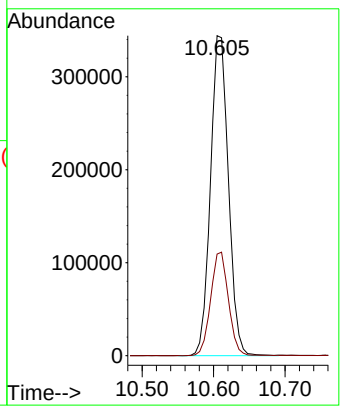




#53
t-1,3-Dichloropropene
Concen: 156.353 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 59894

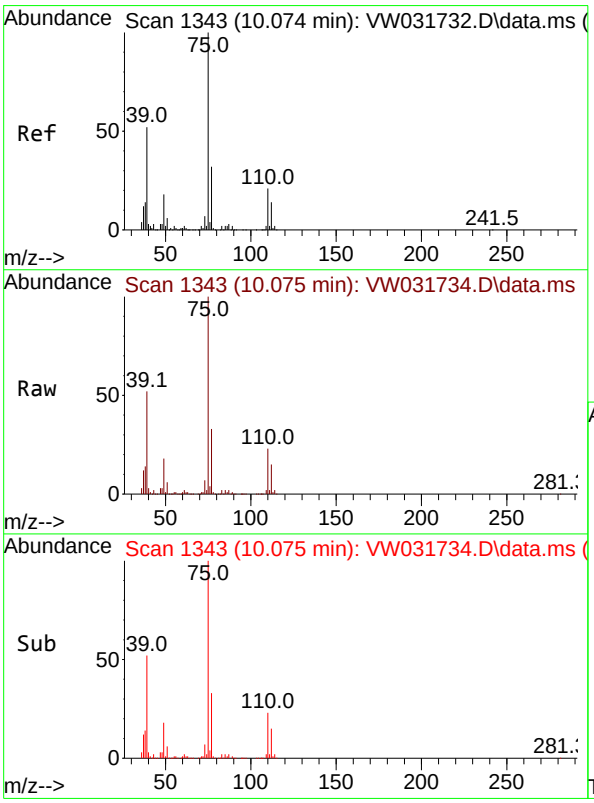
Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

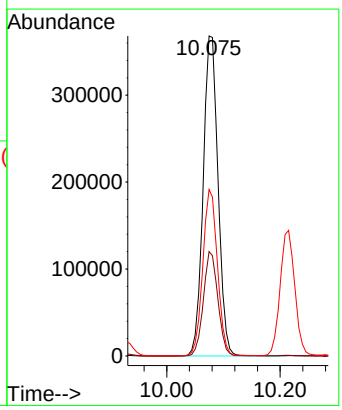
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

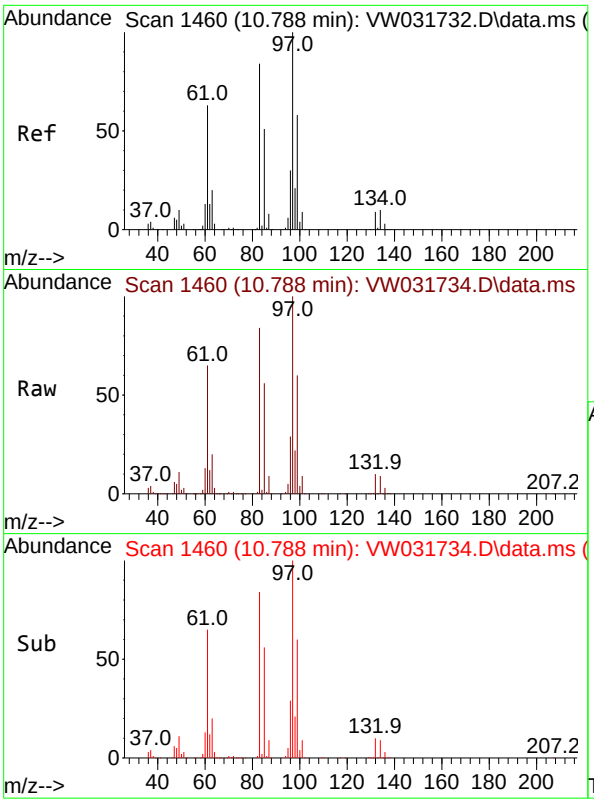


#54
cis-1,3-Dichloropropene
Concen: 154.433 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 670647

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
39	51.9	41.8	62.6

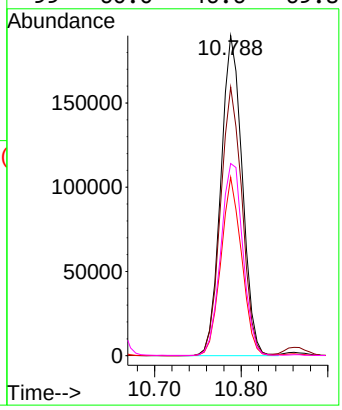




#55
1,1,2-Trichloroethane
Concen: 143.331 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 97 Resp: 32689

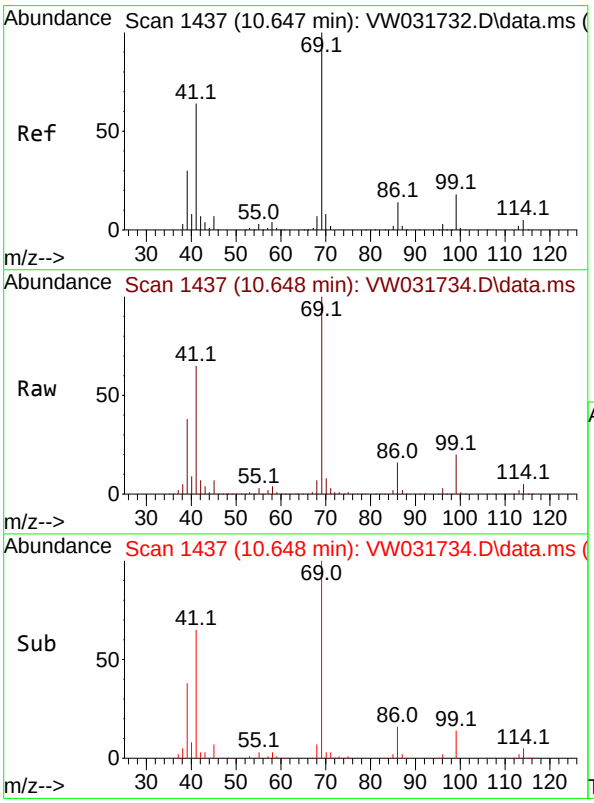
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.9	100.3
85	55.7	41.1	61.7
99	60.0	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

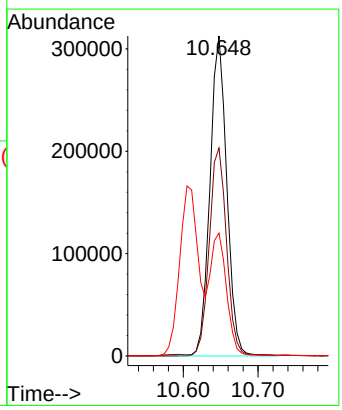
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

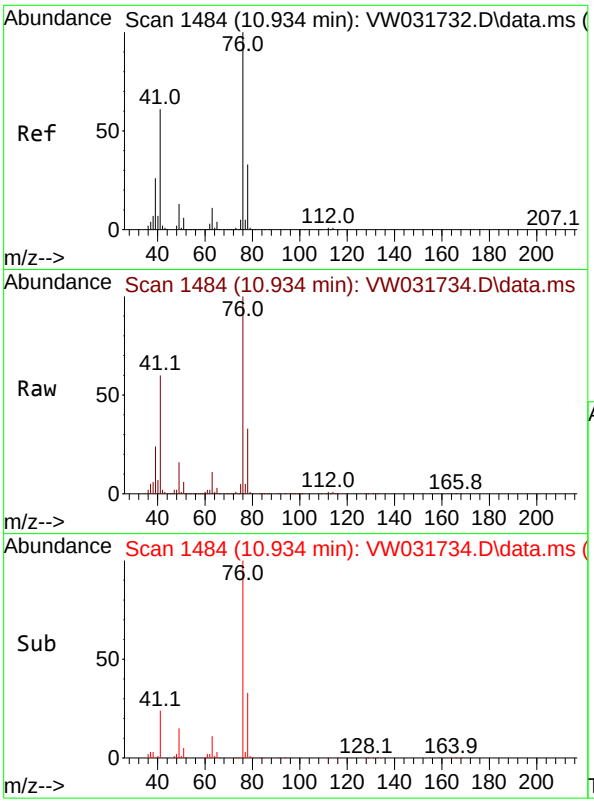


#56
Ethyl methacrylate
Concen: 158.587 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 69 Resp: 490690

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.3	79.9
39	36.6	30.2	45.2

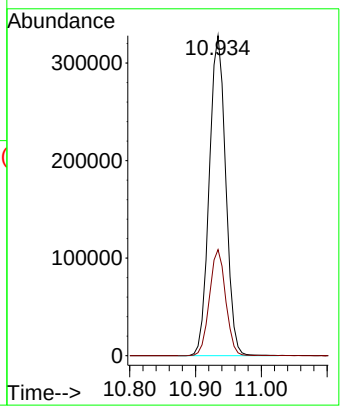




#57
1,3-Dichloropropane
Concen: 142.516 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 76 Resp: 57066

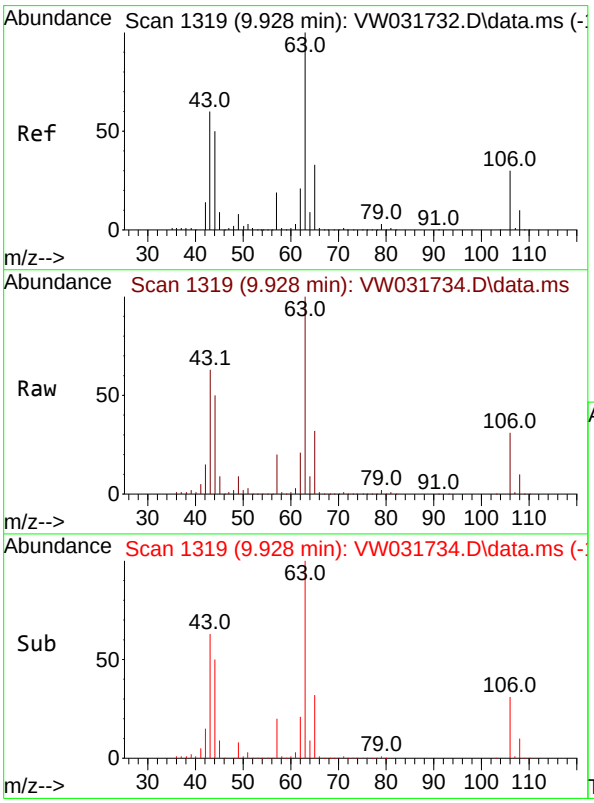
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

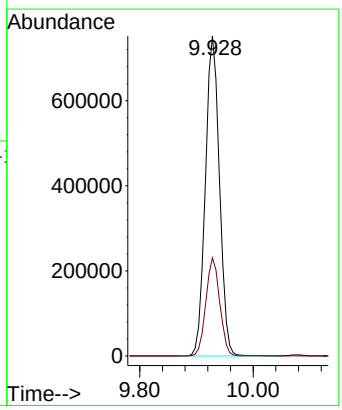
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

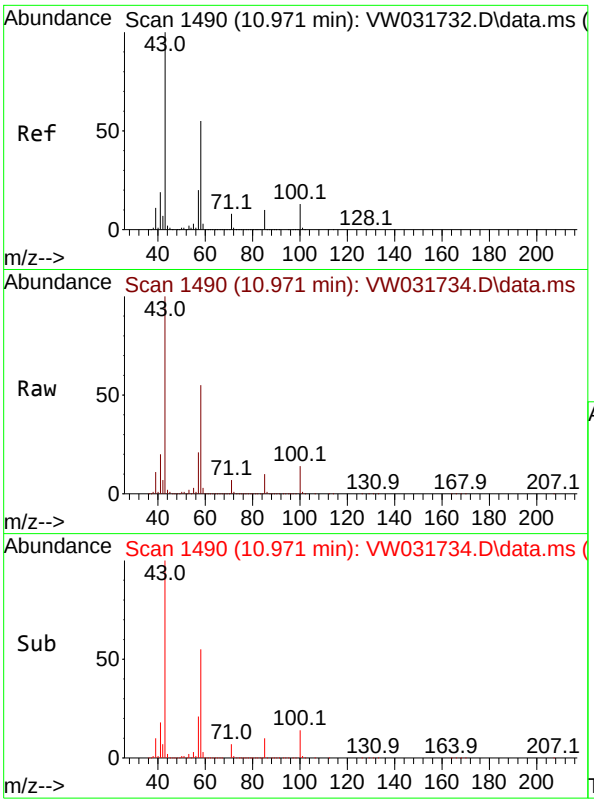


#58
2-Chloroethyl Vinyl ether
Concen: 761.261 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 1297023

Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.1	36.1

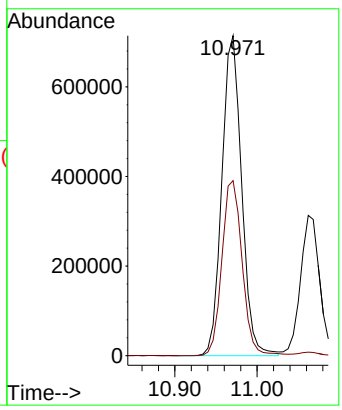




#59
2-Hexanone
Concen: 746.062 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 119200

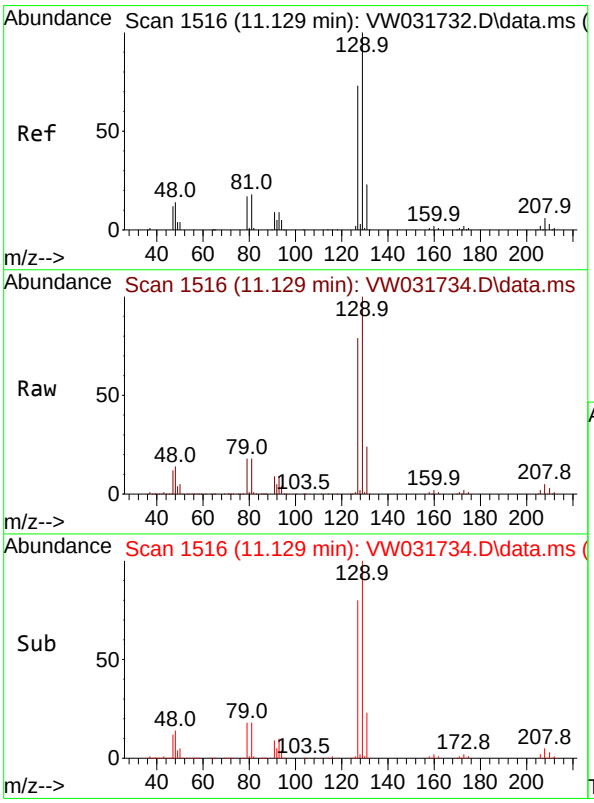
Ion	Ratio	Lower	Upper
43	100		
58	56.1	27.9	83.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

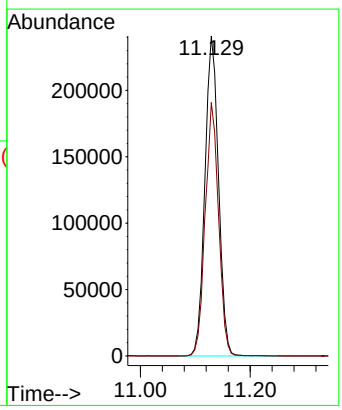
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

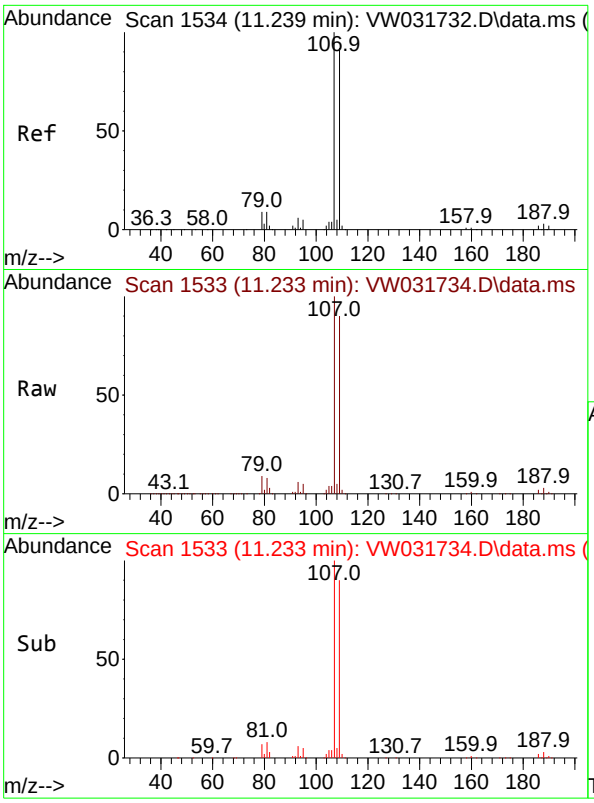


#60
Dibromochloromethane
Concen: 151.554 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:129 Resp: 413333

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	114.1

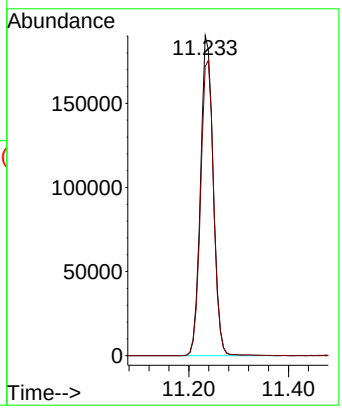




#61
1,2-Dibromoethane
Concen: 147.535 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:107 Resp: 33684

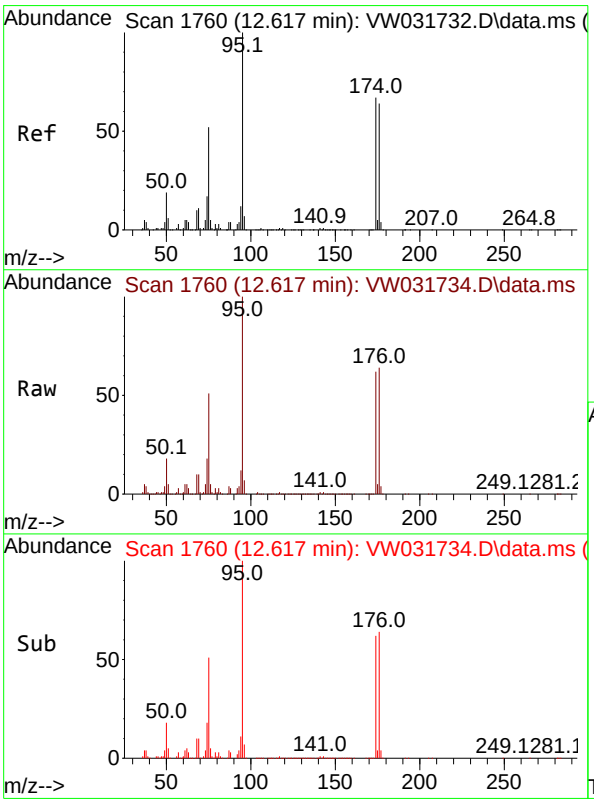
Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

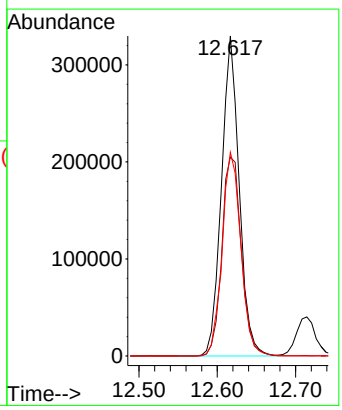
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

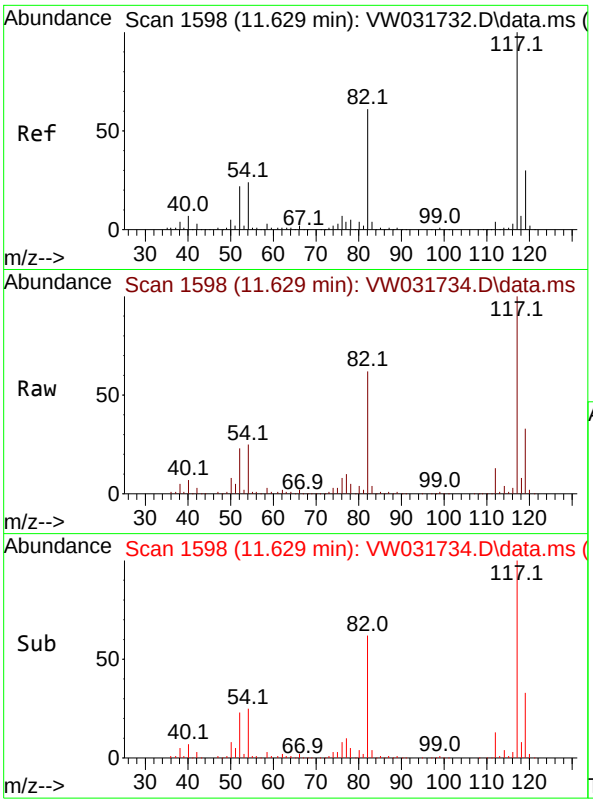


#62
4-Bromofluorobenzene
Concen: 145.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 95 Resp: 519559

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	133.8
176	67.0	0.0	126.0

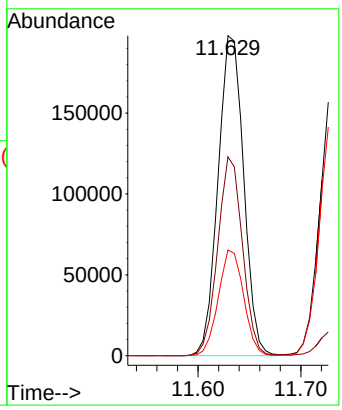




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:117 Resp: 34266

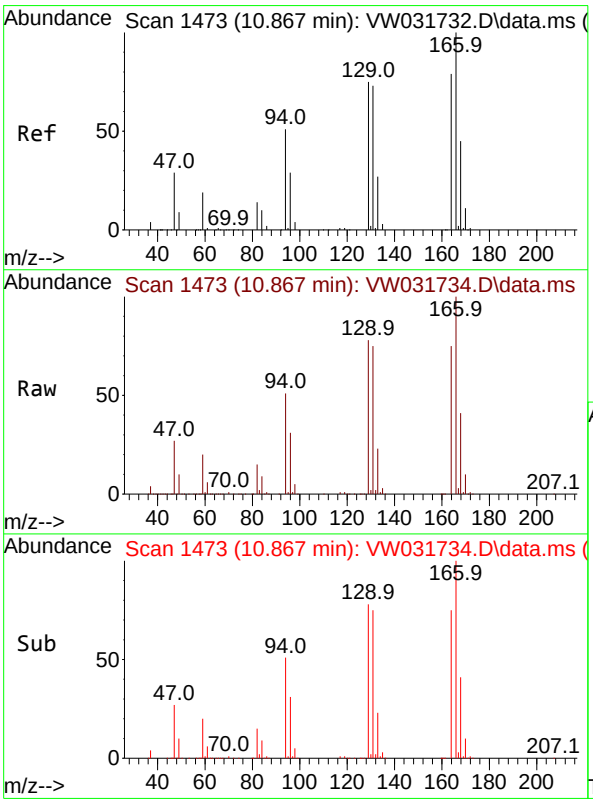
Ion	Ratio	Lower	Upper
117	100		
82	62.2	48.6	72.8
119	33.0	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

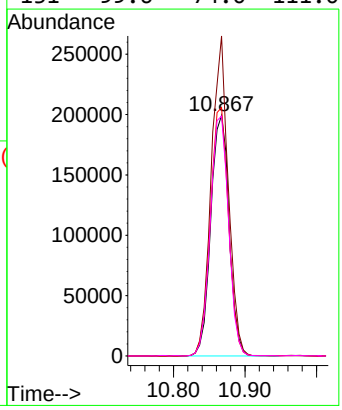
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

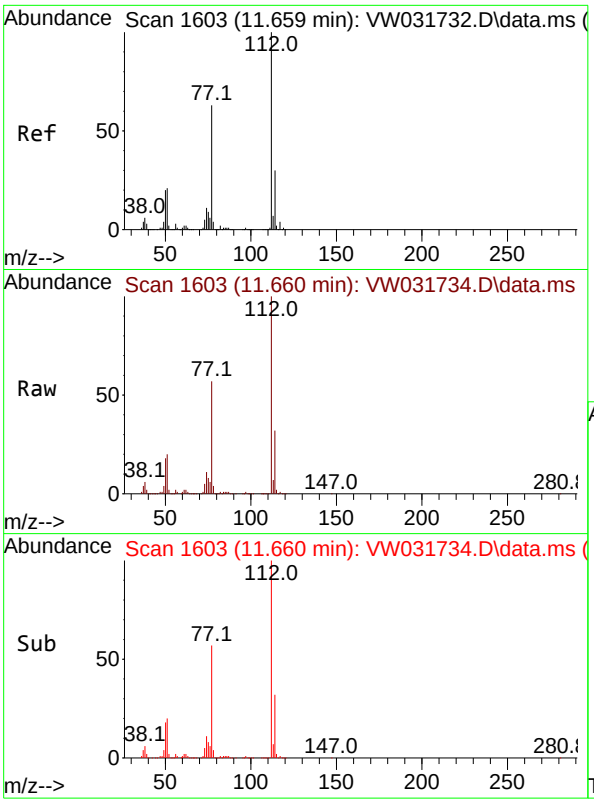


#64
Tetrachloroethene
Concen: 157.549 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:164 Resp: 353130

Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.7	151.1
129	103.3	75.4	113.0
131	99.6	74.0	111.0

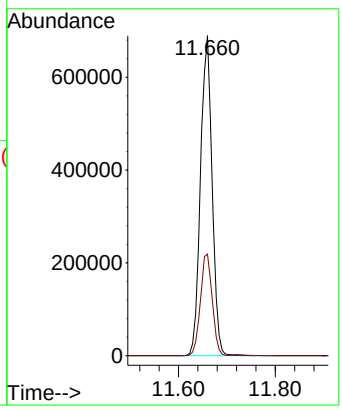




#65
Chlorobenzene
Concen: 152.237 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:112 Resp: 115095

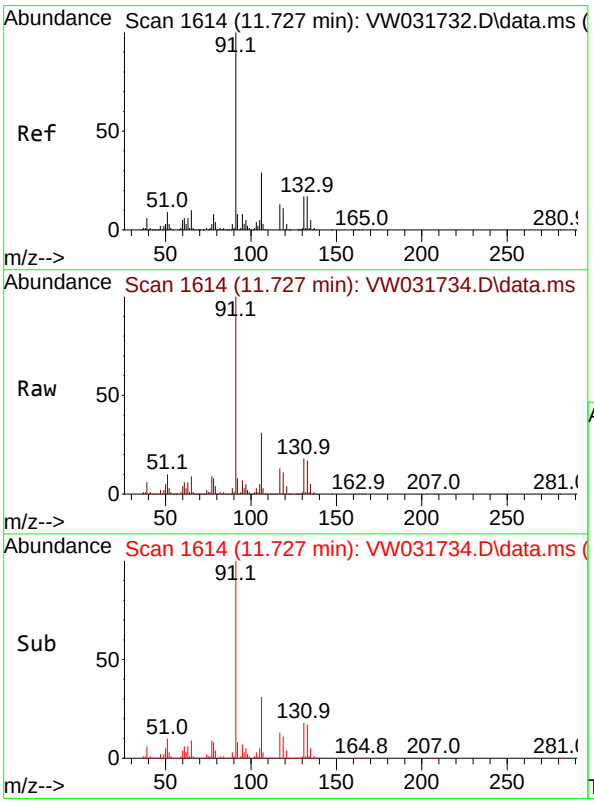
Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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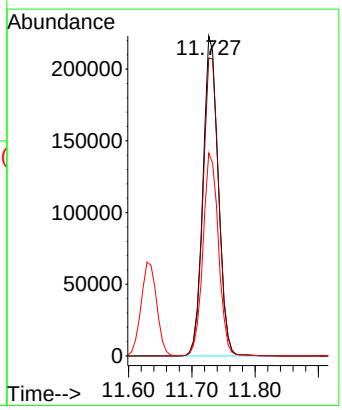
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

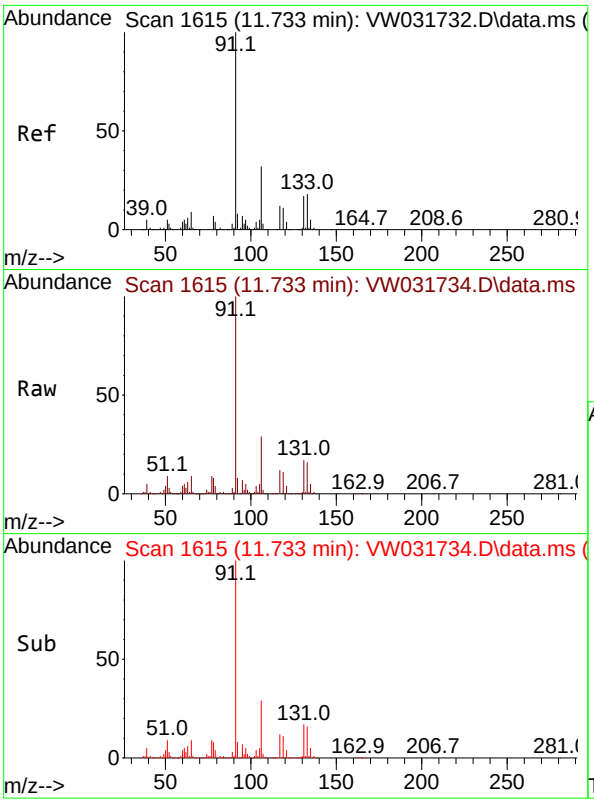


#66
1,1,1,2-Tetrachloroethane
Concen: 155.768 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:131 Resp: 375280

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.5	145.6
119	64.4	32.5	97.5





#67
Ethyl Benzene
Concen: 155.940 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

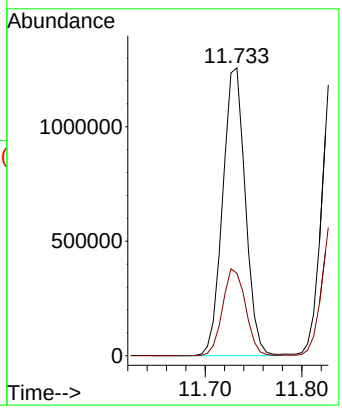
Tgt Ion: 91 Resp: 204433

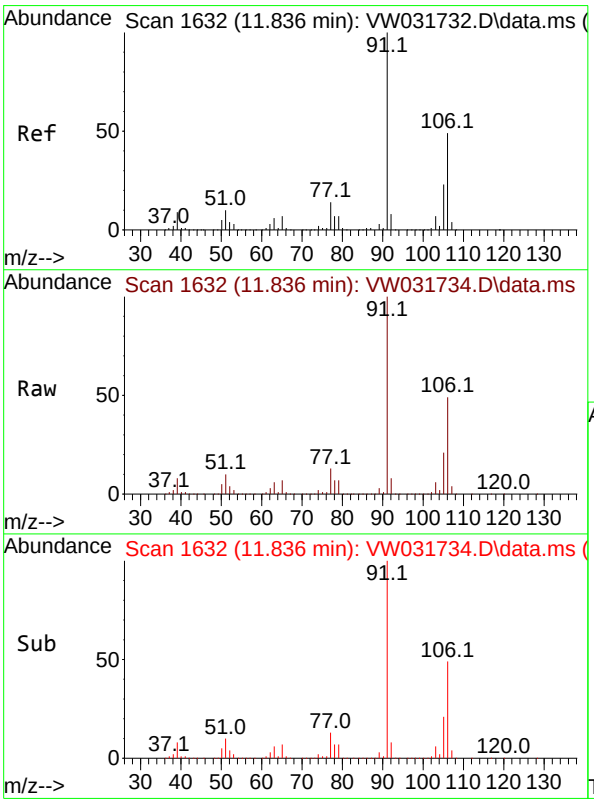
Ion	Ratio	Lower	Upper
91	100		
106	28.6	25.4	38.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

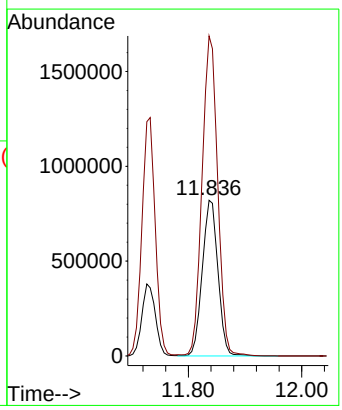


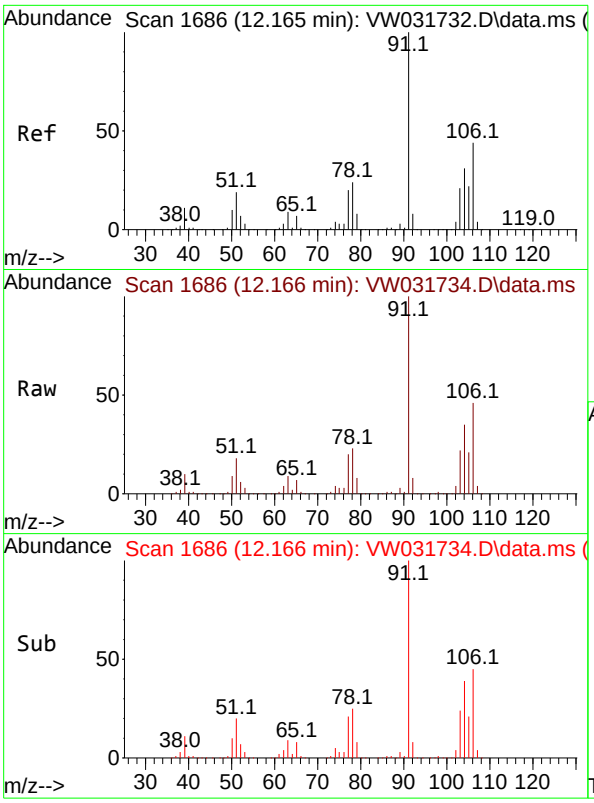


#68
m/p-Xylenes
Concen: 311.770 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:106 Resp: 1571204

Ion	Ratio	Lower	Upper
106	100		
91	205.1	166.4	249.6





#69
o-Xylene
Concen: 159.389 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

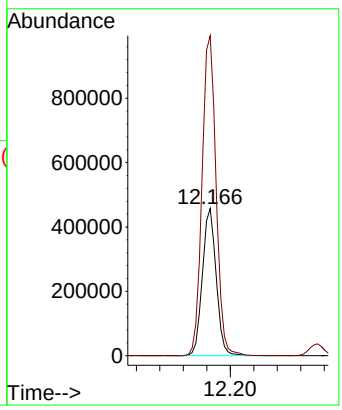
Tgt Ion:106 Resp: 74373

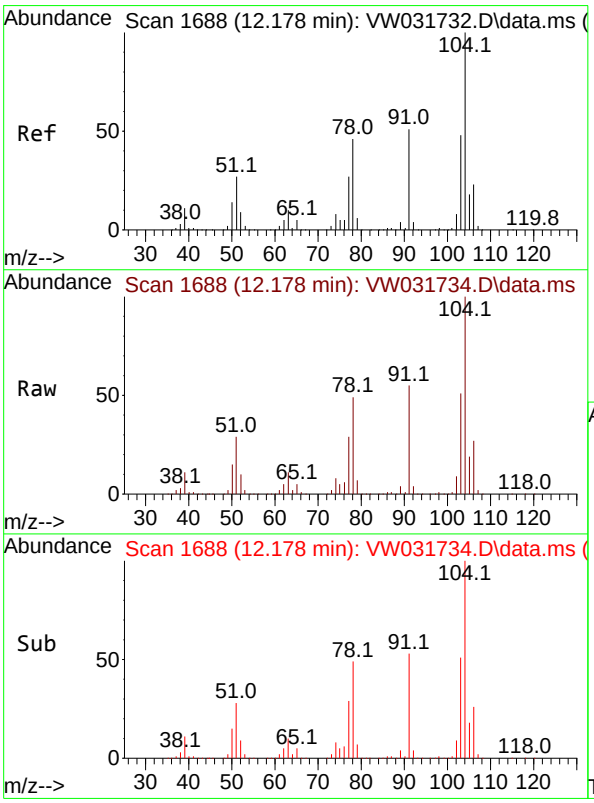
Ion	Ratio	Lower	Upper
106	100		
91	221.4	111.5	334.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

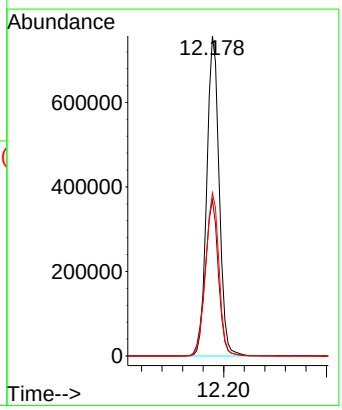


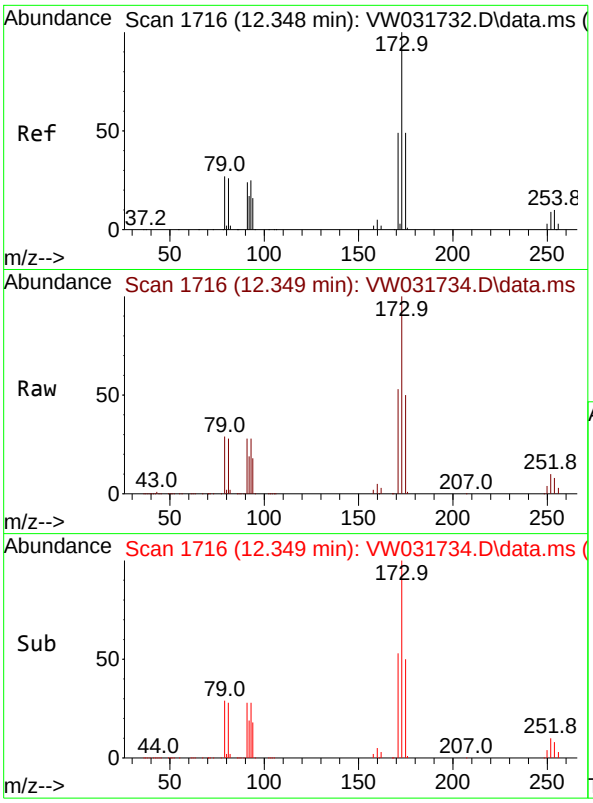


#70
Styrene
Concen: 157.015 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:104 Resp: 1266593

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.1	63.1
103	55.0	43.0	64.6

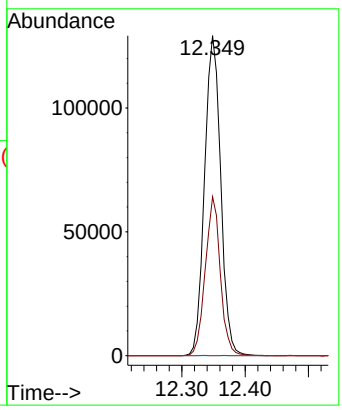




#71
Bromoform
Concen: 159.639 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:173 Resp: 22943

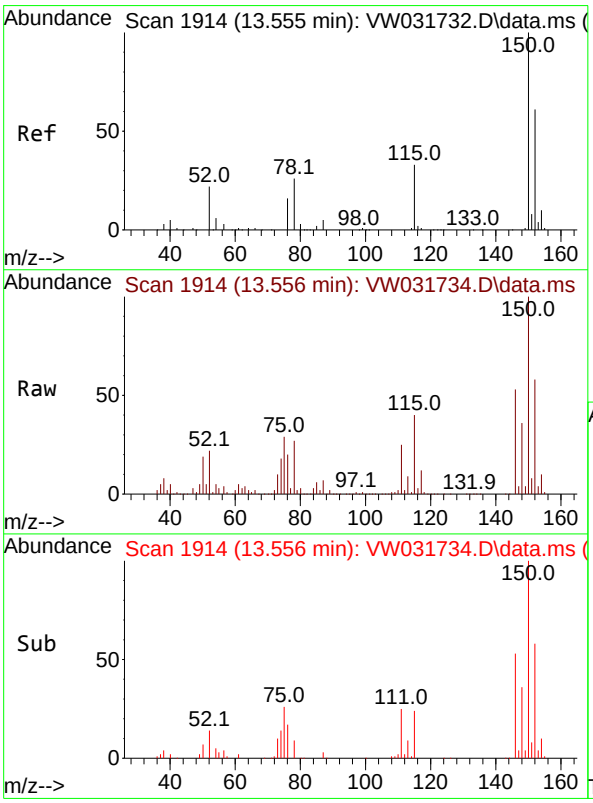
Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

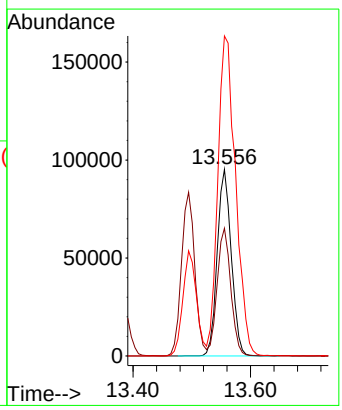
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

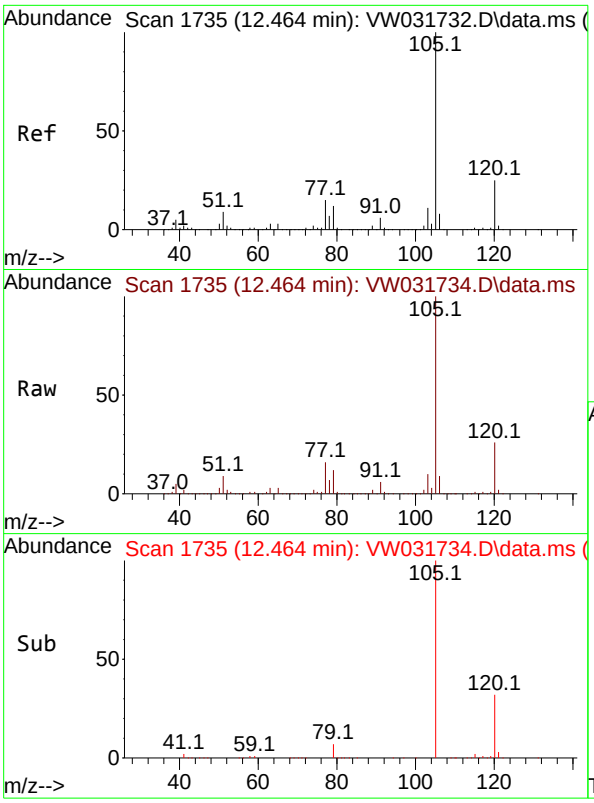


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:152 Resp: 157853

Ion	Ratio	Lower	Upper
152	100		
115	66.4	31.9	95.7
150	216.5	0.0	356.4

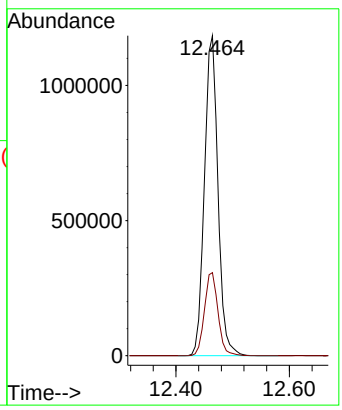




#73
Isopropylbenzene
Concen: 162.971 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 195681

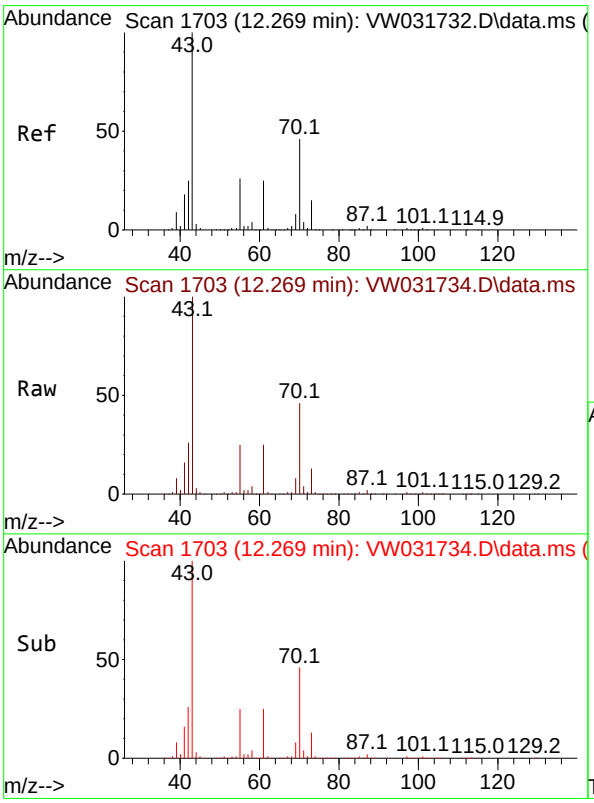
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
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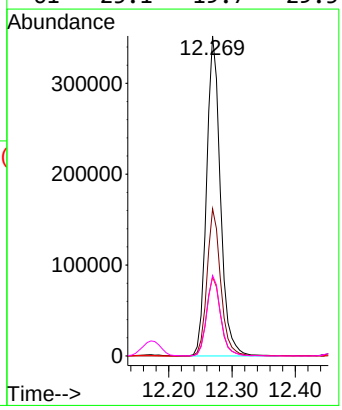
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

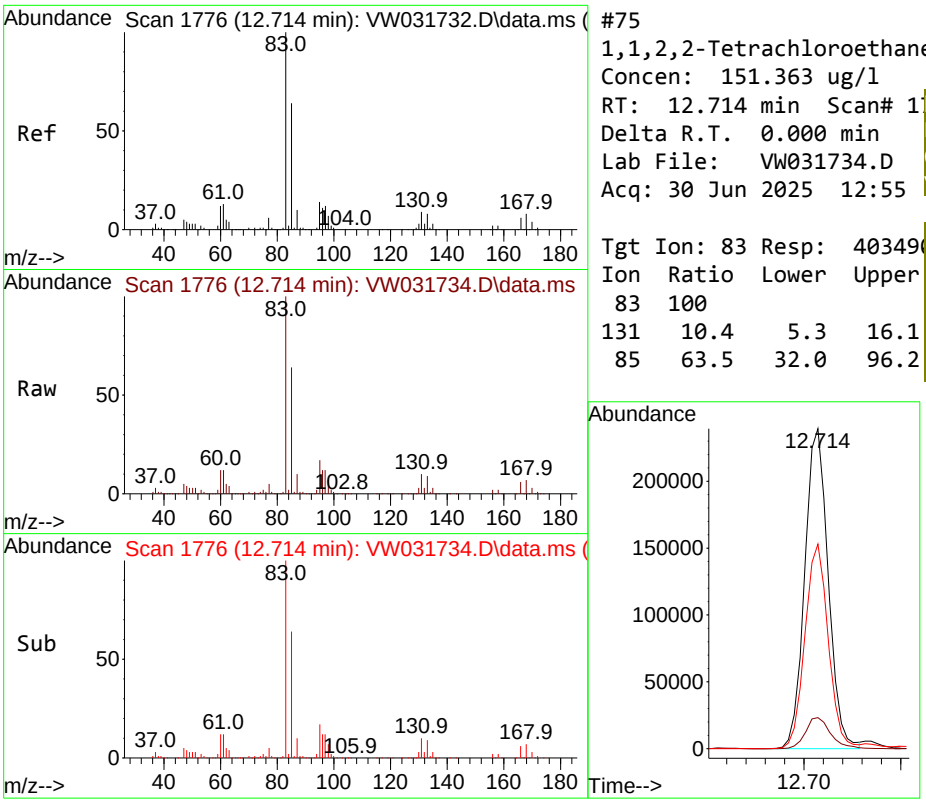


#74
N-amyl acetate
Concen: 165.571 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 535843

Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.0	54.0
55	25.2	20.8	31.2
61	25.1	19.7	29.5





#75
1,1,2,2-Tetrachloroethane
Concen: 151.363 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

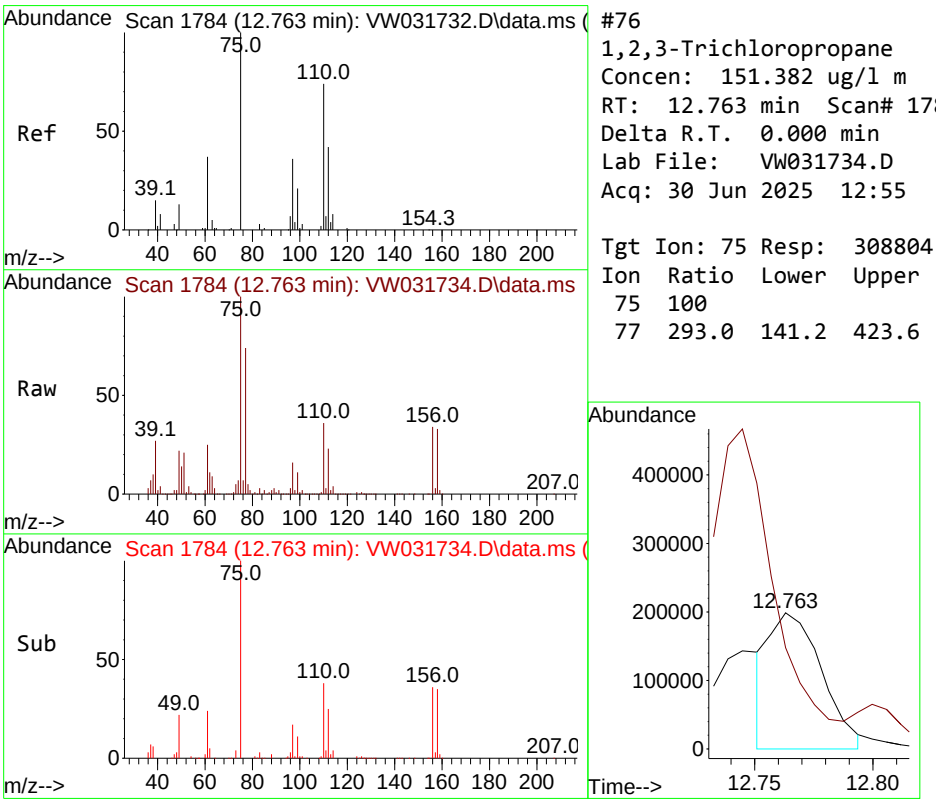
Tgt Ion: 83 Resp: 40349

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	63.5	32.0	96.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

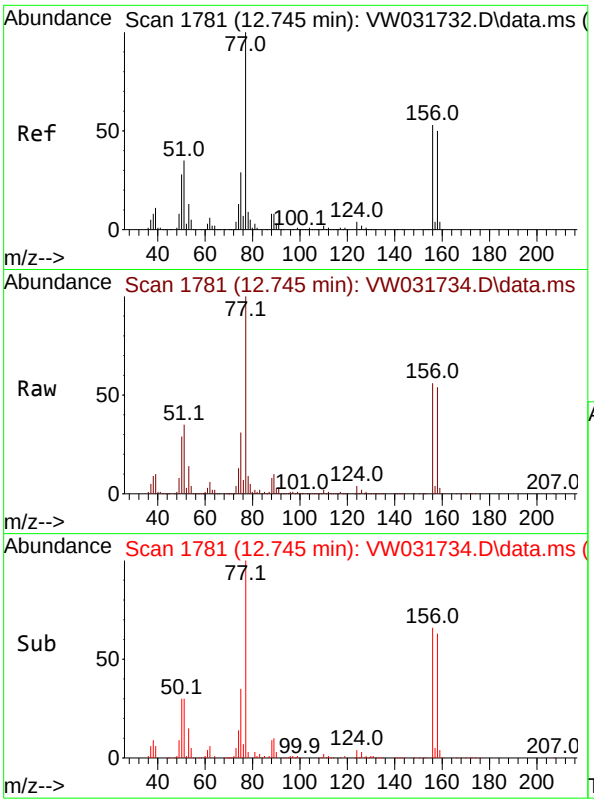
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#76
1,2,3-Trichloropropane
Concen: 151.382 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 308804

Ion	Ratio	Lower	Upper
75	100		
77	293.0	141.2	423.6



#77
Bromobenzene
Concen: 159.479 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

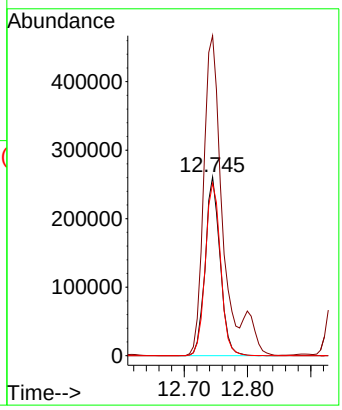
Tgt Ion:156 Resp: 42708

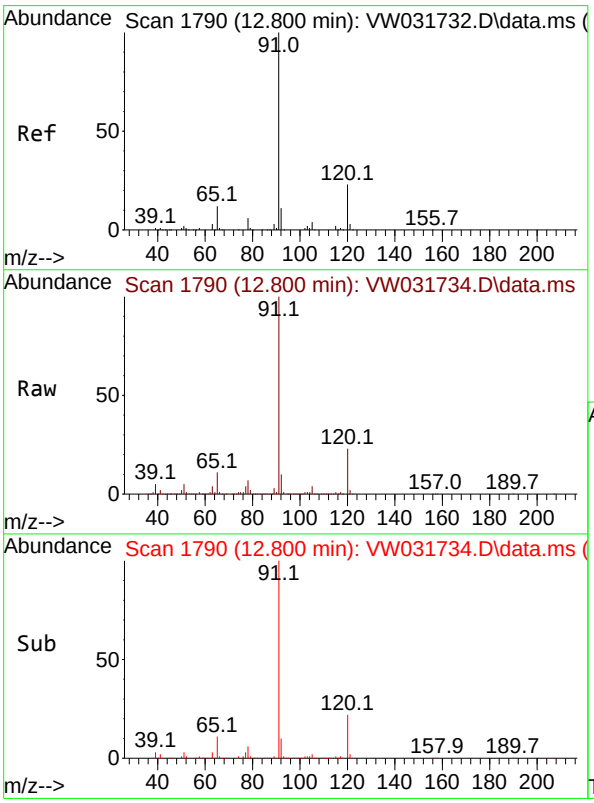
Ion	Ratio	Lower	Upper
156	100		
77	211.8	117.9	353.7
158	99.2	52.6	157.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

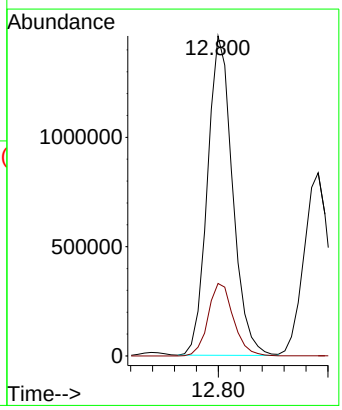


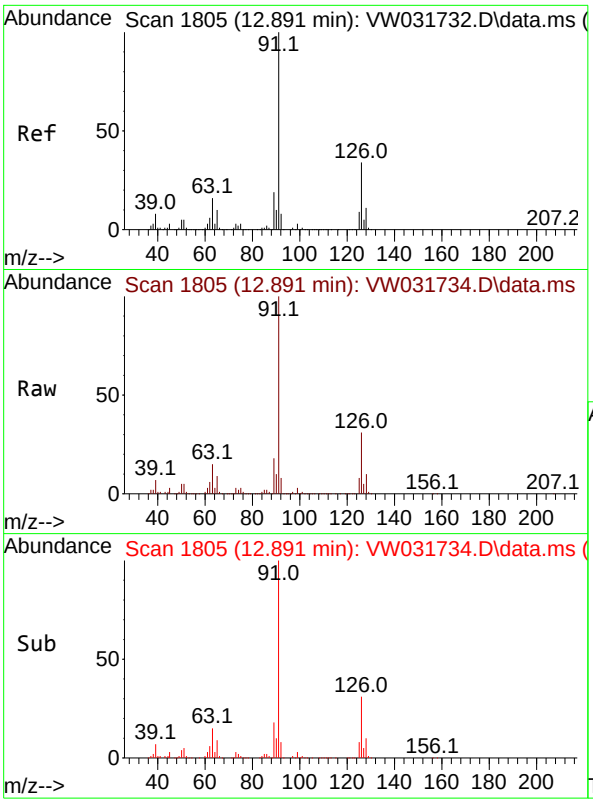


#78
n-propylbenzene
Concen: 161.670 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 2324539

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4

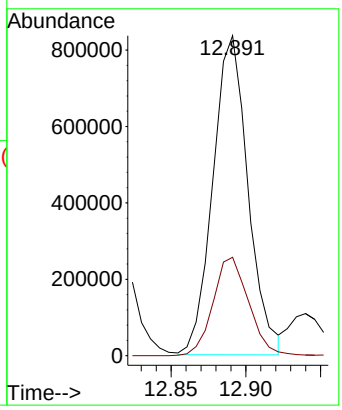




#79
2-Chlorotoluene
Concen: 157.800 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 136626

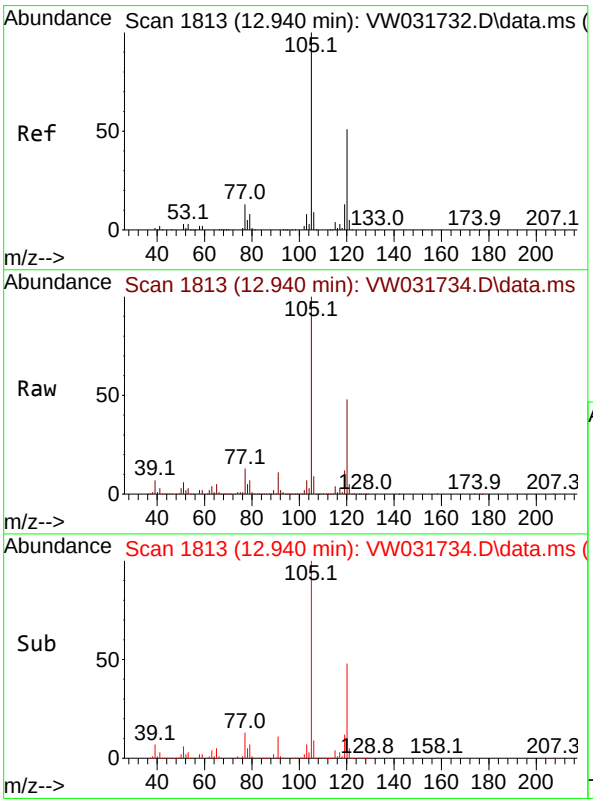
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

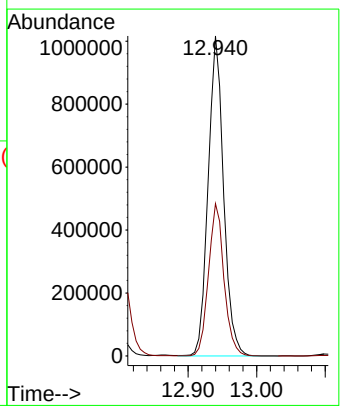
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

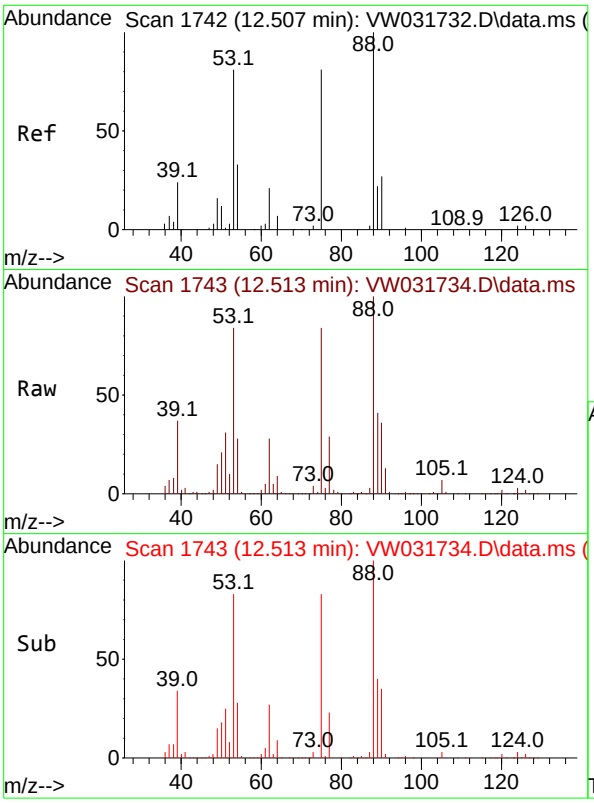


#80
1,3,5-Trimethylbenzene
Concen: 160.332 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 1593533

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.2

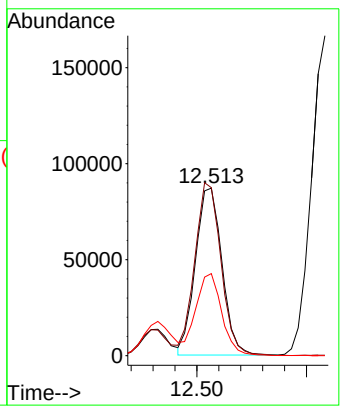




#81
trans-1,4-Dichloro-2-butene
Concen: 166.866 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 14614

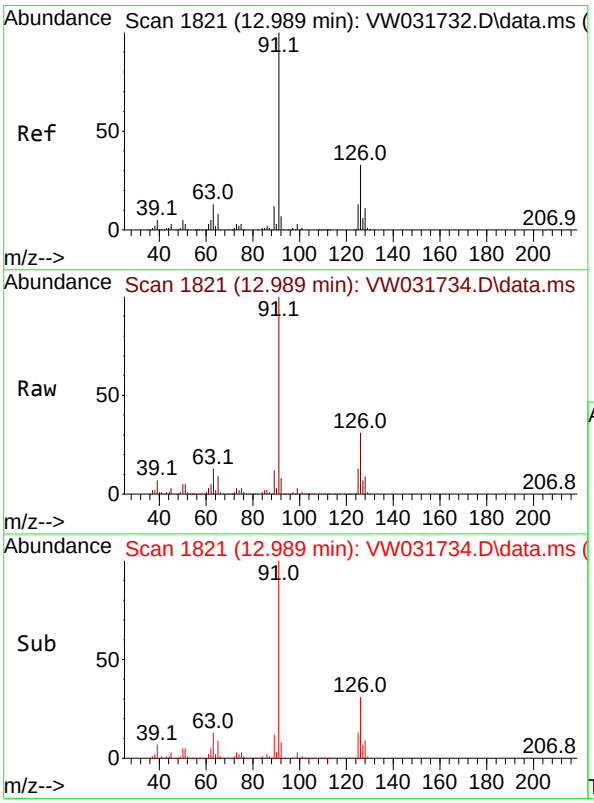
Ion	Ratio	Lower	Upper
75	100		
53	102.5	83.5	125.3
89	48.9	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

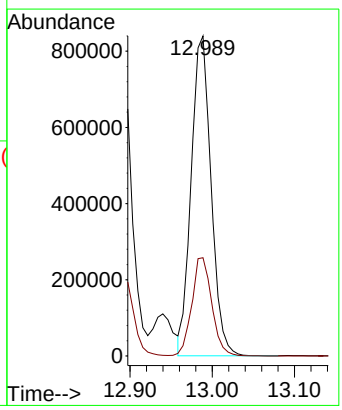
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

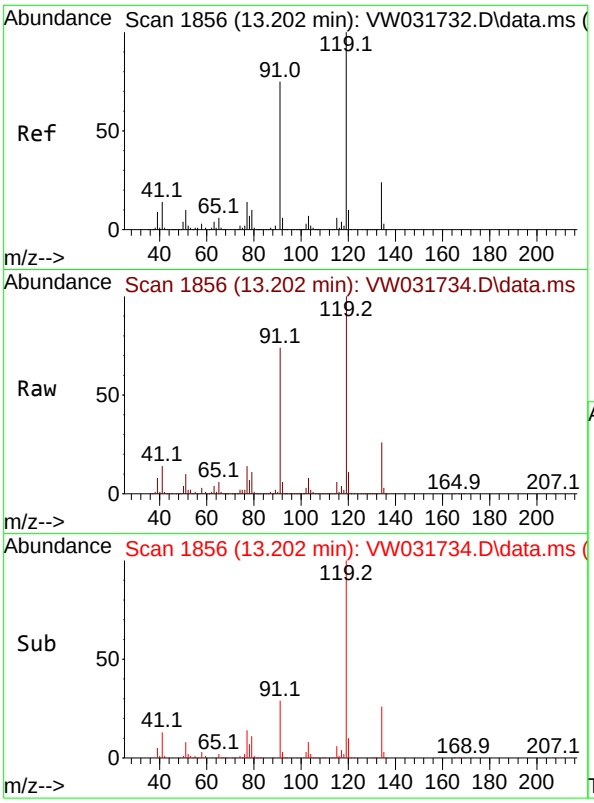


#82
4-Chlorotoluene
Concen: 155.153 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 1410360

Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.0	47.9

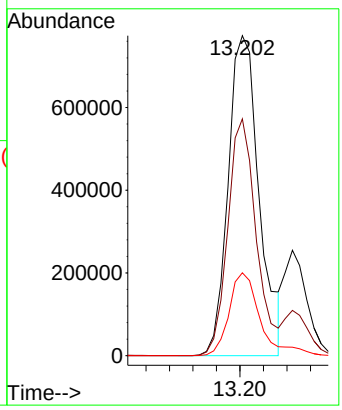




#83
tert-Butylbenzene
Concen: 166.594 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:119 Resp: 141831

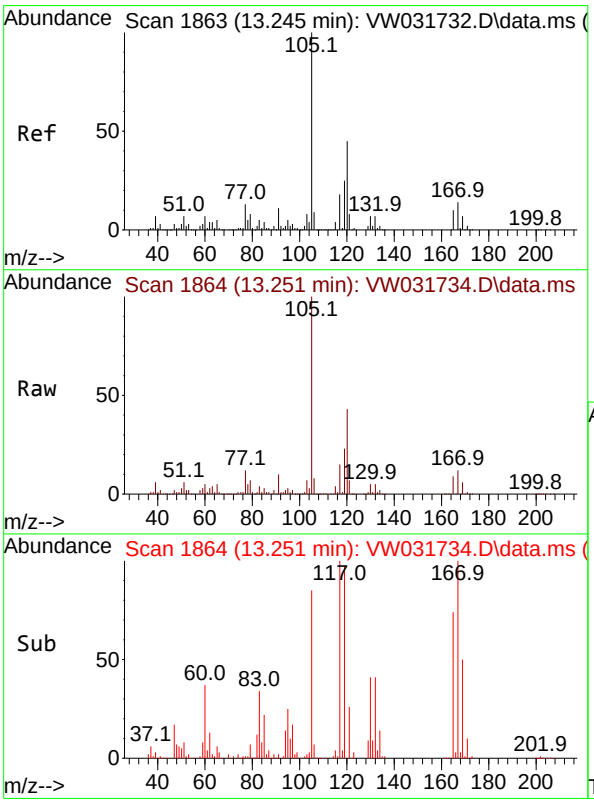
Ion	Ratio	Lower	Upper
119	100		
91	68.0	36.0	108.1
134	26.0	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

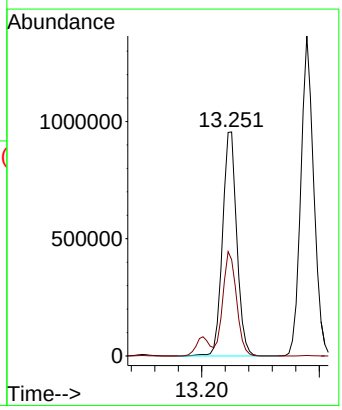
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

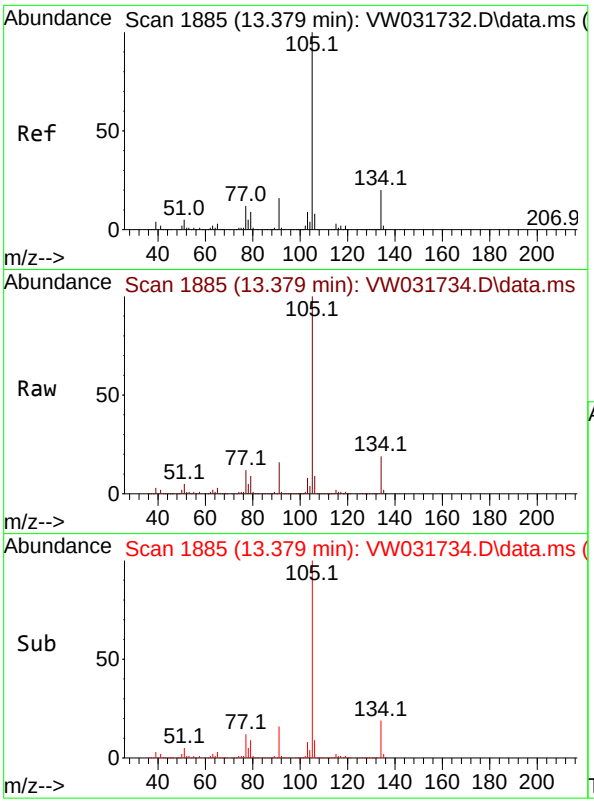


#84
1,2,4-Trimethylbenzene
Concen: 159.853 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 1609766

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1

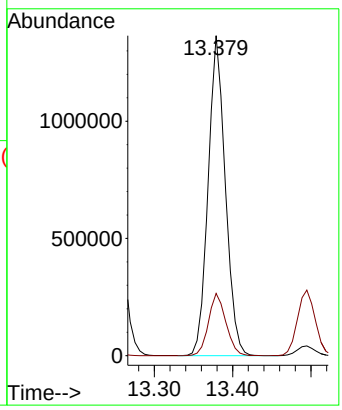




#85
sec-Butylbenzene
Concen: 162.545 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 207711

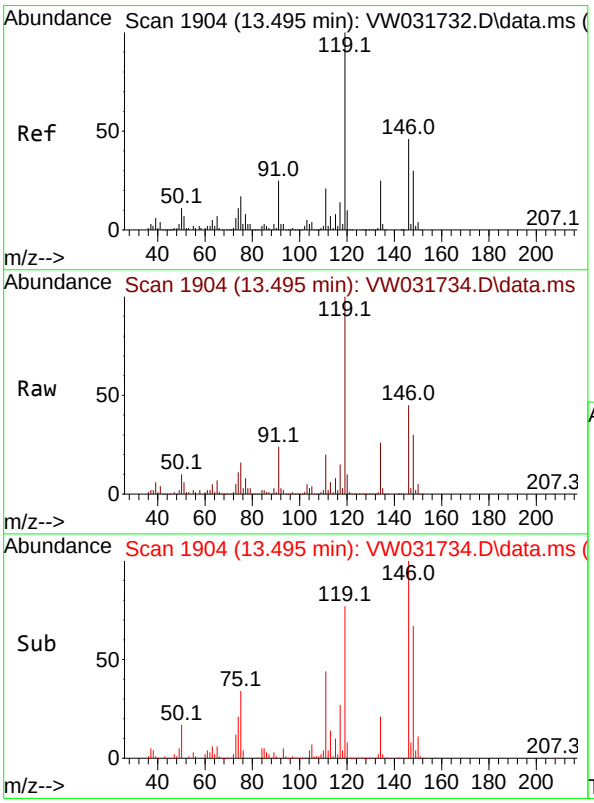
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

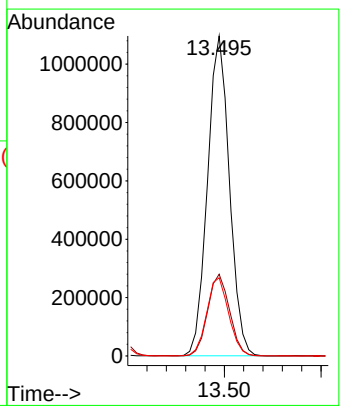
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

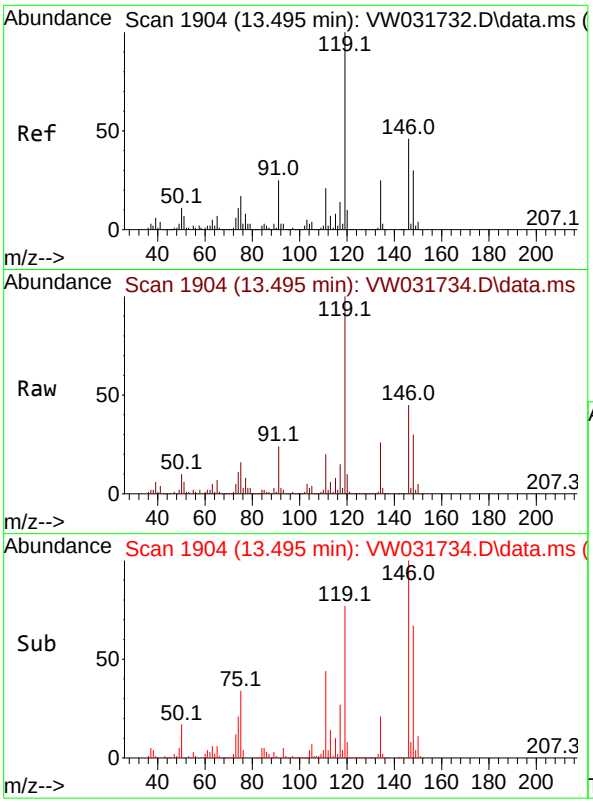


#86
p-Isopropyltoluene
Concen: 163.804 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:119 Resp: 1725089

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	24.5	12.7	38.0

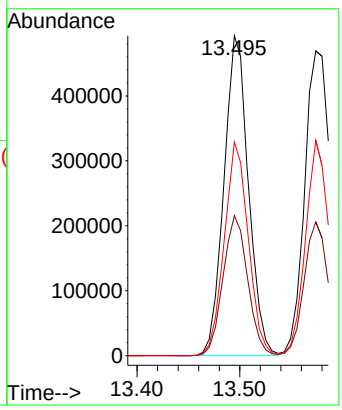




#87
1,3-Dichlorobenzene
Concen: 151.913 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:146 Resp: 81586

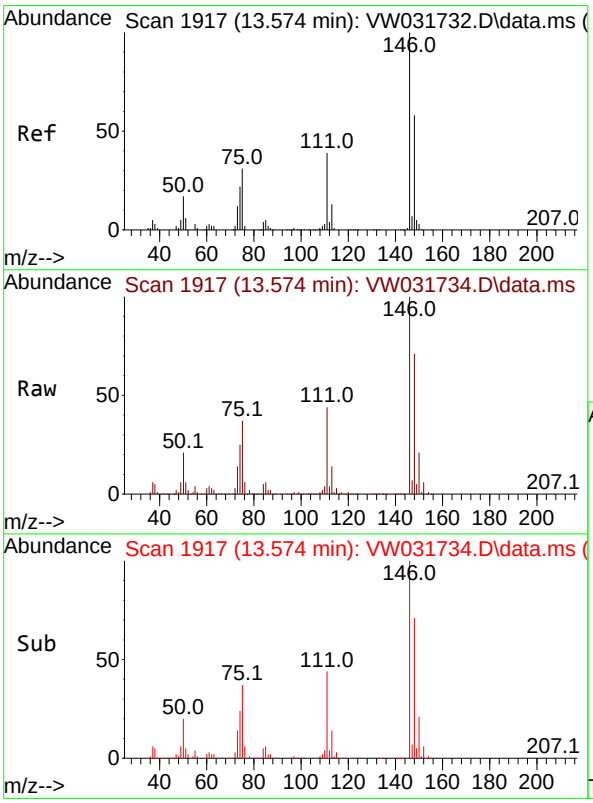
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.9
148	65.6	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

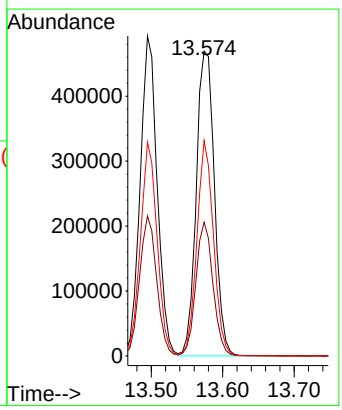
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

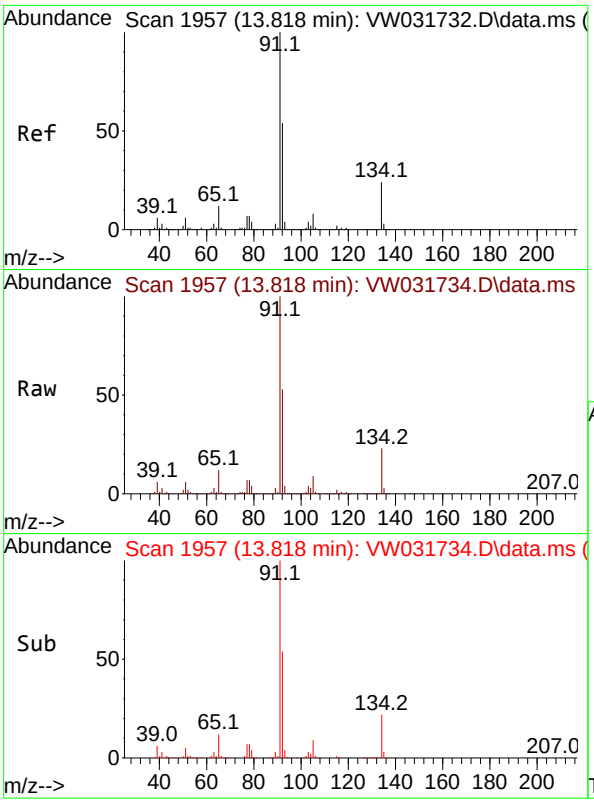


#88
1,4-Dichlorobenzene
Concen: 150.344 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:146 Resp: 826448

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.6	30.2	90.6

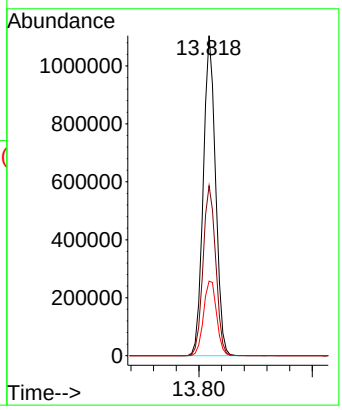




#89
n-Butylbenzene
Concen: 162.473 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 166248

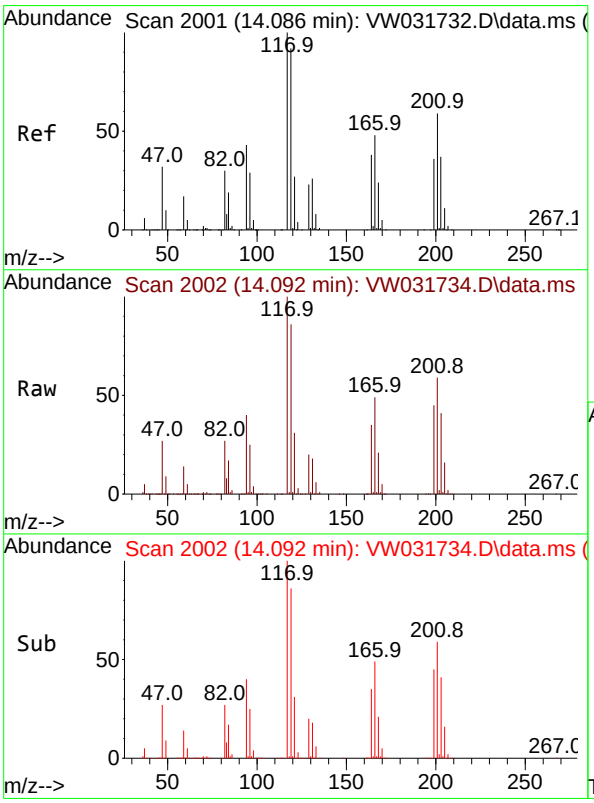
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	24.8	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

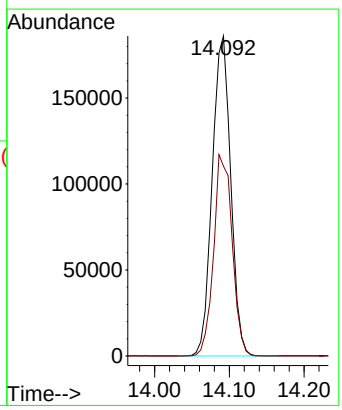
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

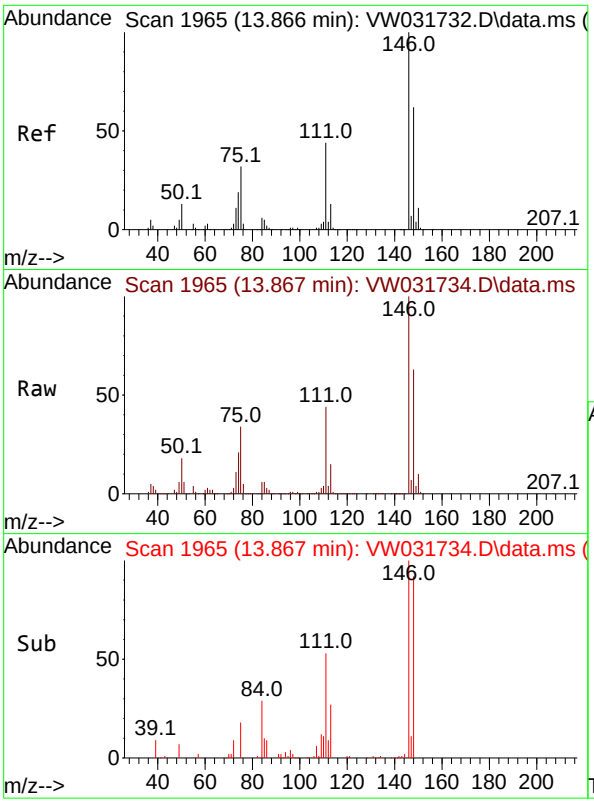


#90
Hexachloroethane
Concen: 168.248 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:117 Resp: 319664

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.1	93.3

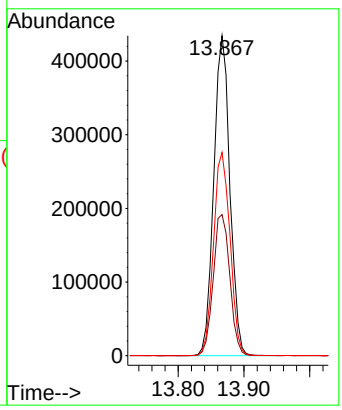




#91
1,2-Dichlorobenzene
Concen: 150.818 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:146 Resp: 74032

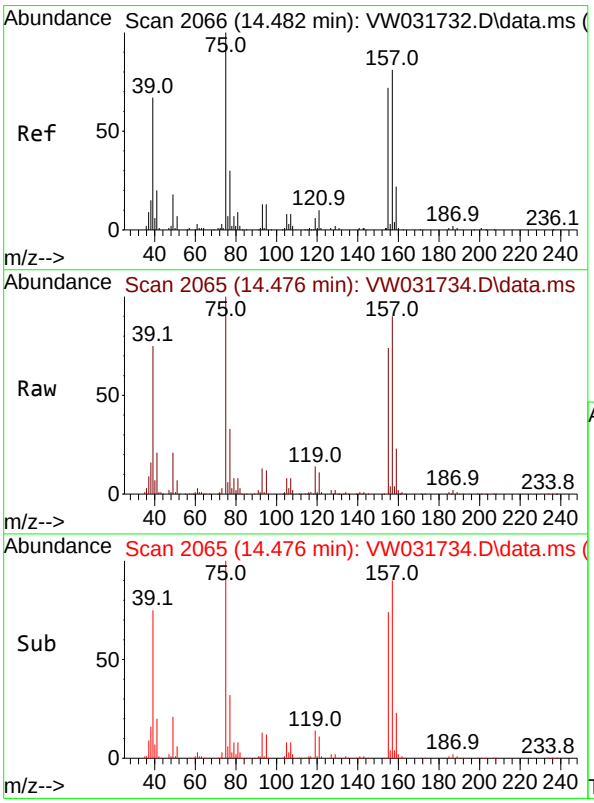
Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.7	65.1
148	65.1	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

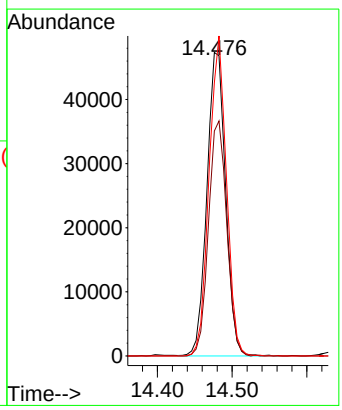
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

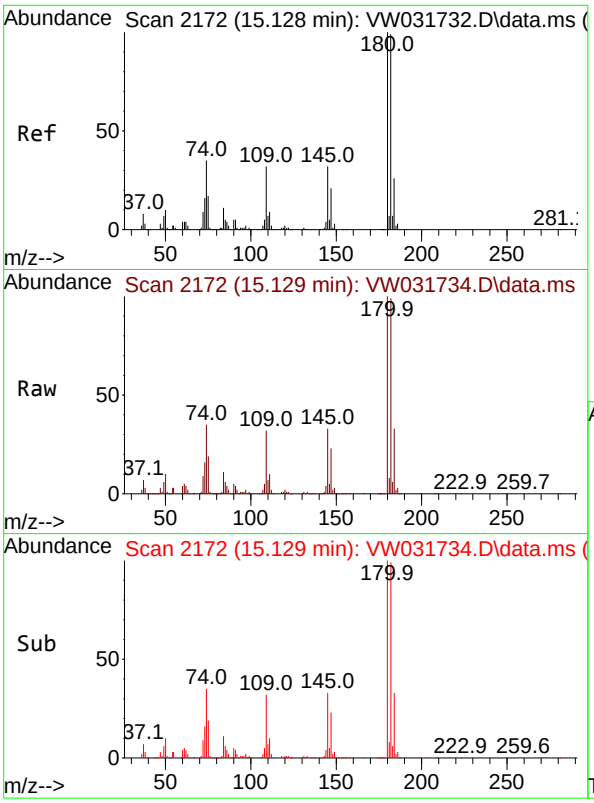


#92
1,2-Dibromo-3-Chloropropane
Concen: 158.471 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 82484

Ion	Ratio	Lower	Upper
75	100		
155	75.6	37.2	111.6
157	97.6	45.6	136.9

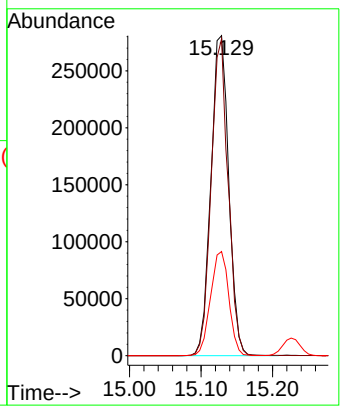




#93
1,2,4-Trichlorobenzene
Concen: 160.827 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:180 Resp: 48686

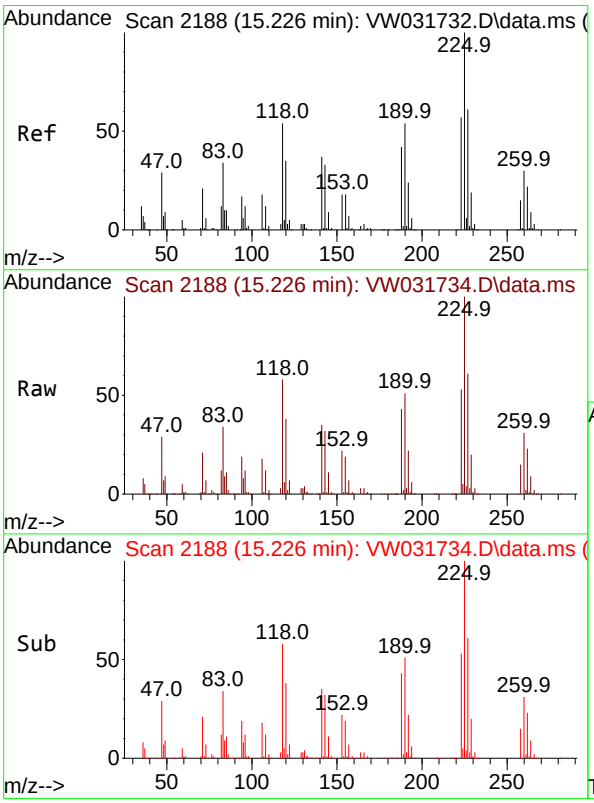
Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.6	145.9
145	33.5	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

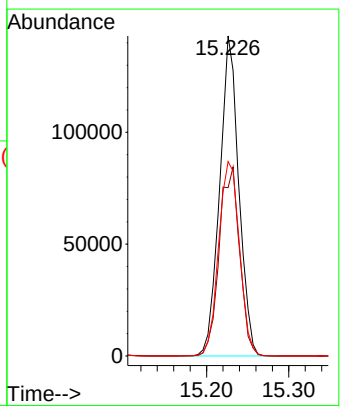
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

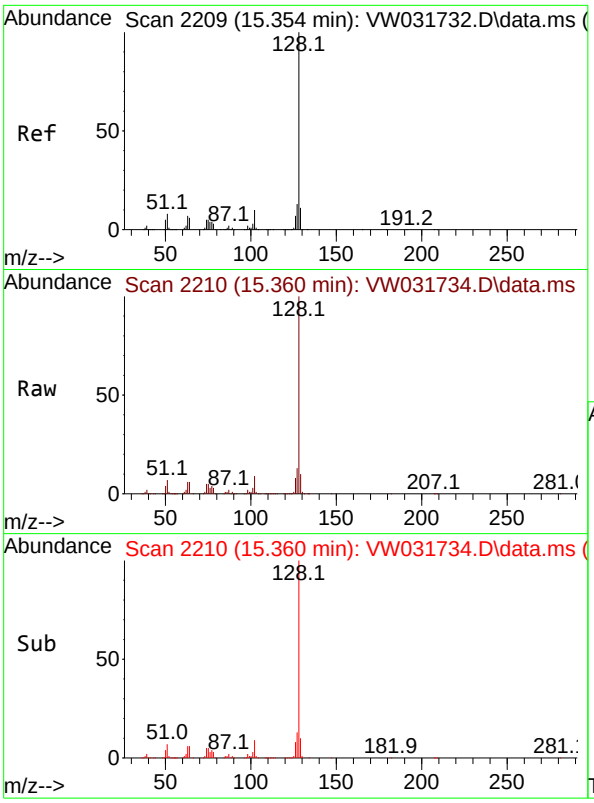


#94
Hexachlorobutadiene
Concen: 158.470 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:225 Resp: 231652

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.6	97.8
227	66.1	37.3	111.8

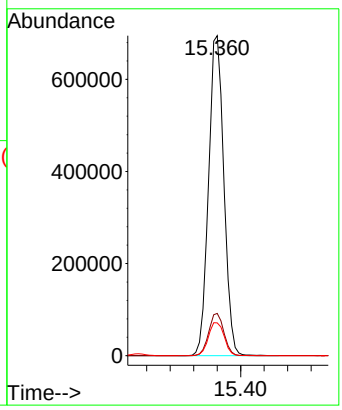




#95
Naphthalene
Concen: 169.258 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:128 Resp: 125619

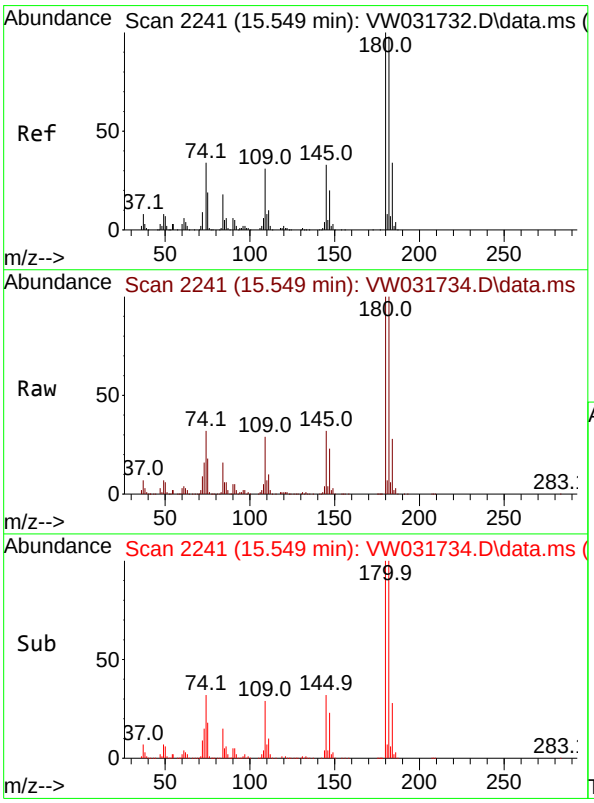
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.7	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

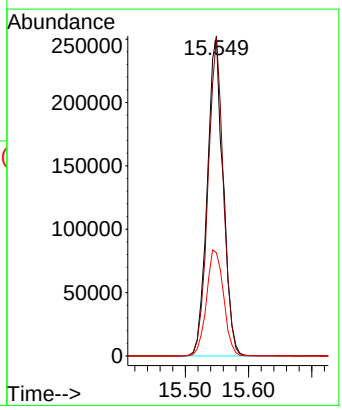
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 157.584 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:180 Resp: 438342

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.4	139.1
145	35.8	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.840%			
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.220%			
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l		97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l		99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l		99
44) Trichloroethene	9.099	130	147985	52.391	ug/l		99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l		95
46) Dibromomethane	9.465	93	92714	52.504	ug/l		98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l		99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l		94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l		100
52) Toluene	10.392	92	394923	54.503	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l		96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l		98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l		98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l		97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l		100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l		98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l		96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l		95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l		94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l		99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l		98
69) o-Xylene	12.166	106	274498	57.208	ug/l		98
70) Styrene	12.178	104	469288	56.574	ug/l		99
71) Bromoform	12.348	173	86209	58.331	ug/l		99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l		99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	118399m	53.142	ug/l		
77) Bromobenzene	12.745	156	164306	56.175	ug/l		85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l		100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l		97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l		99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l		99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l		100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l		97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l		100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l		99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l		97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l		91
95) Naphthalene	15.354	128	461350	56.915	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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

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

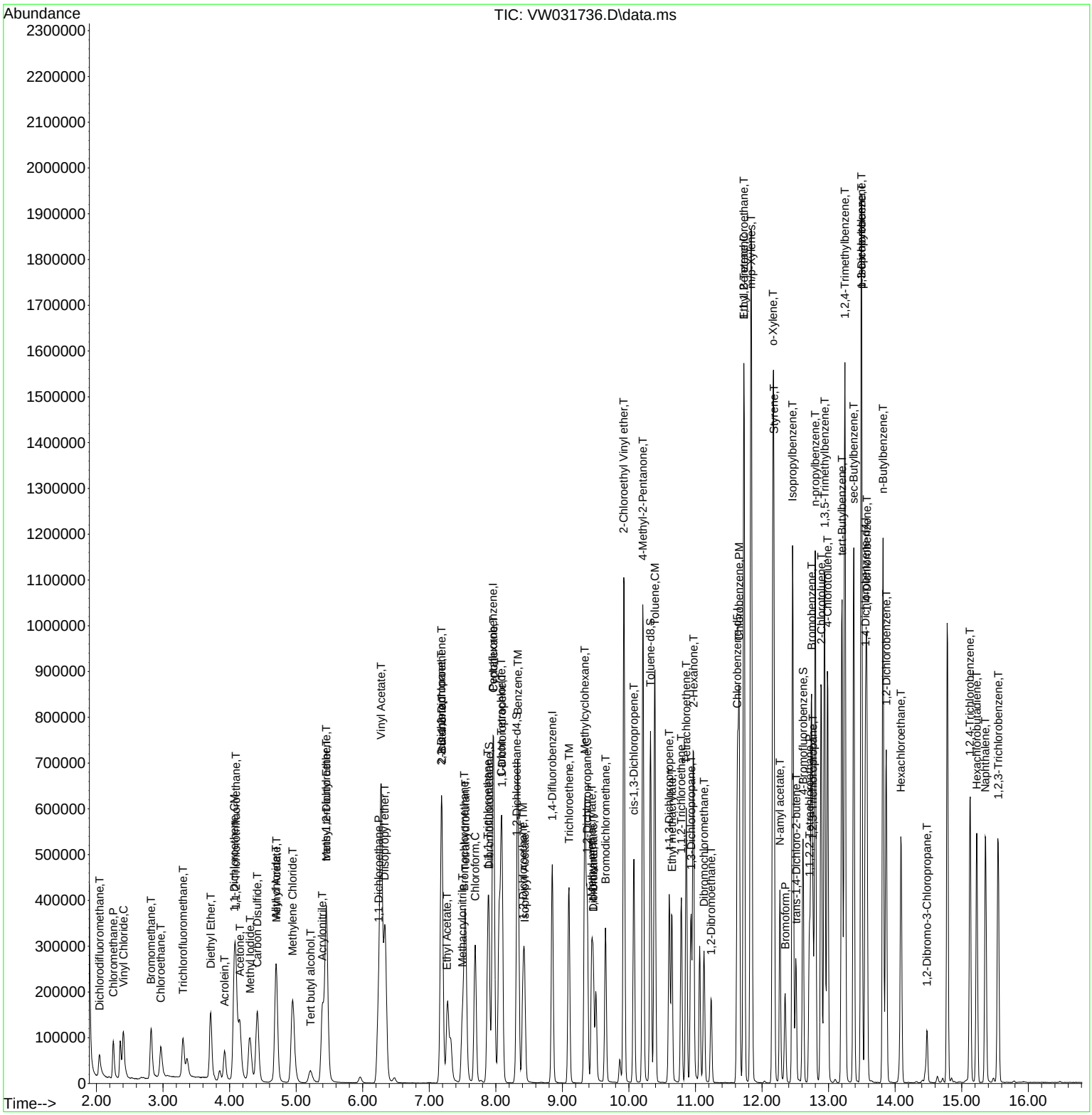
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Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

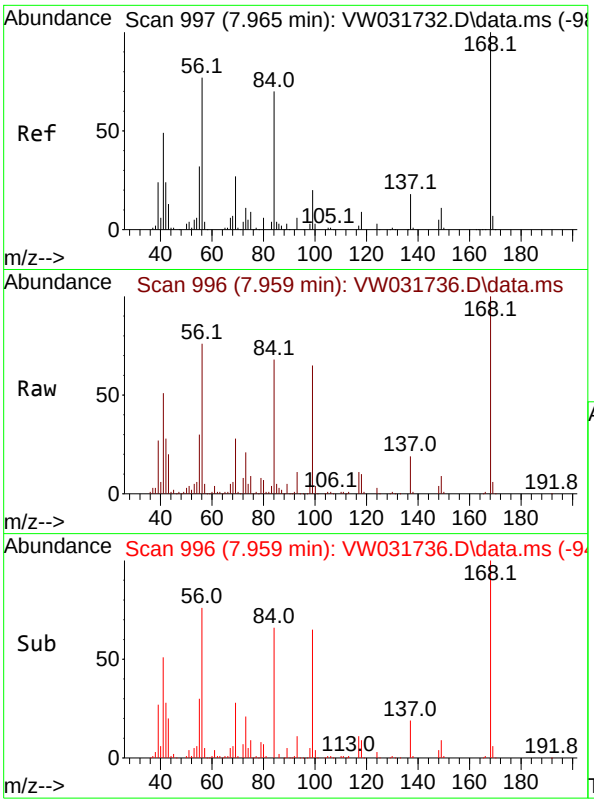
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

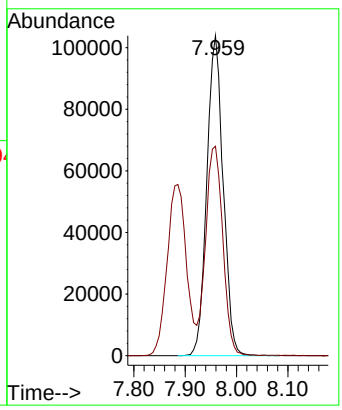




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:168 Resp: 22866

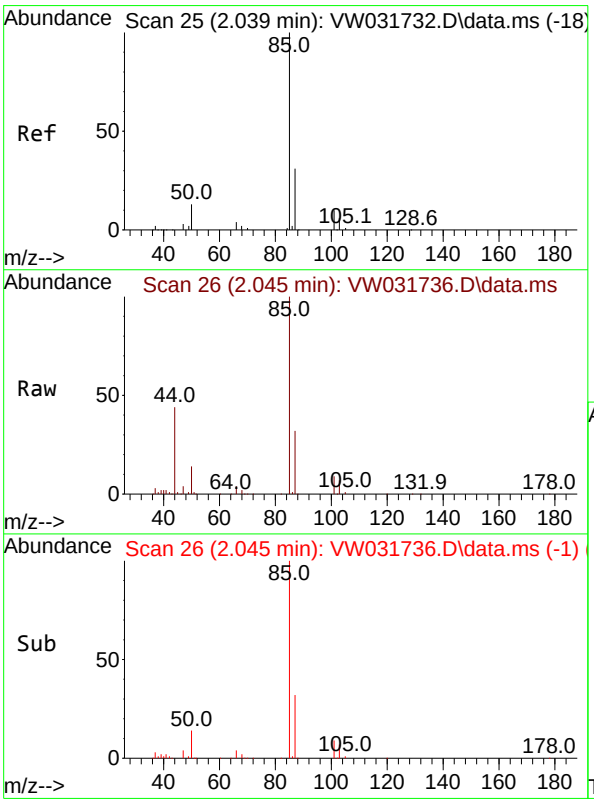
Ion	Ratio	Lower	Upper
168	100		
99	65.3	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

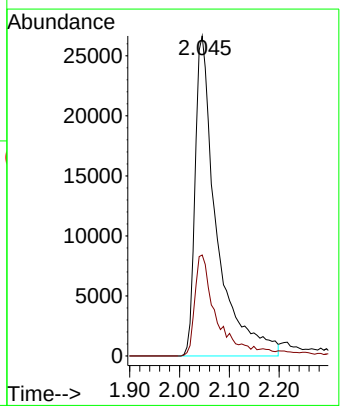
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

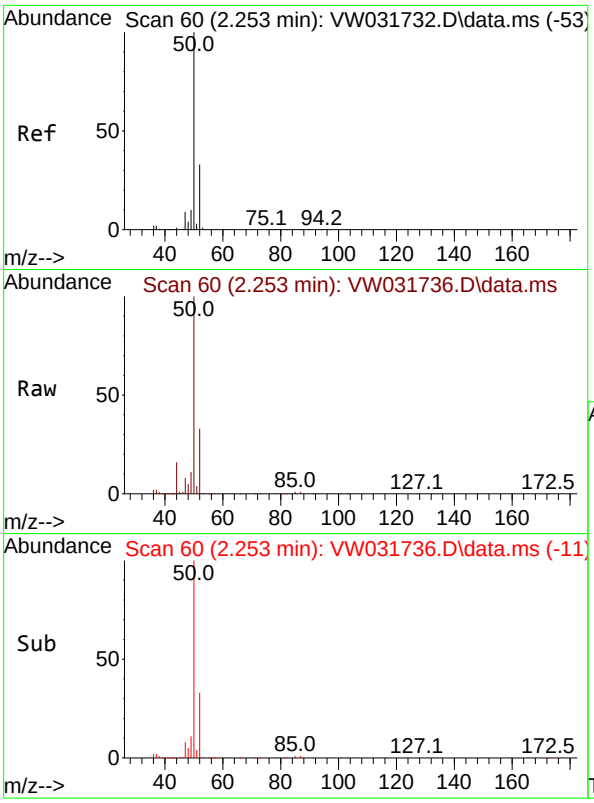


#2
Dichlorodifluoromethane
Concen: 51.196 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 85 Resp: 79725

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.4	46.2

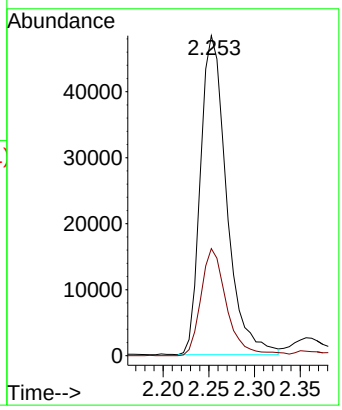




#3
Chloromethane
Concen: 51.243 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 50 Resp: 9620

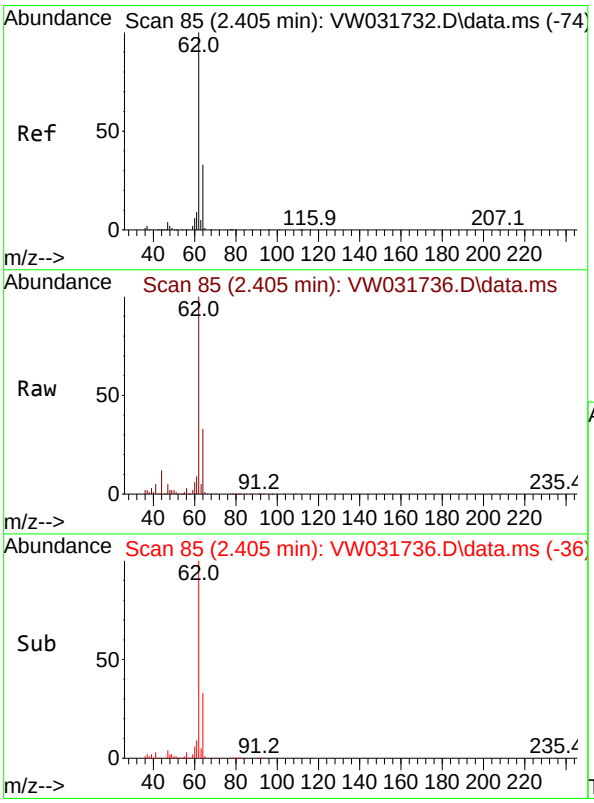
Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

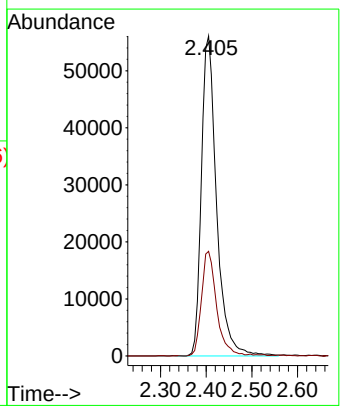
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

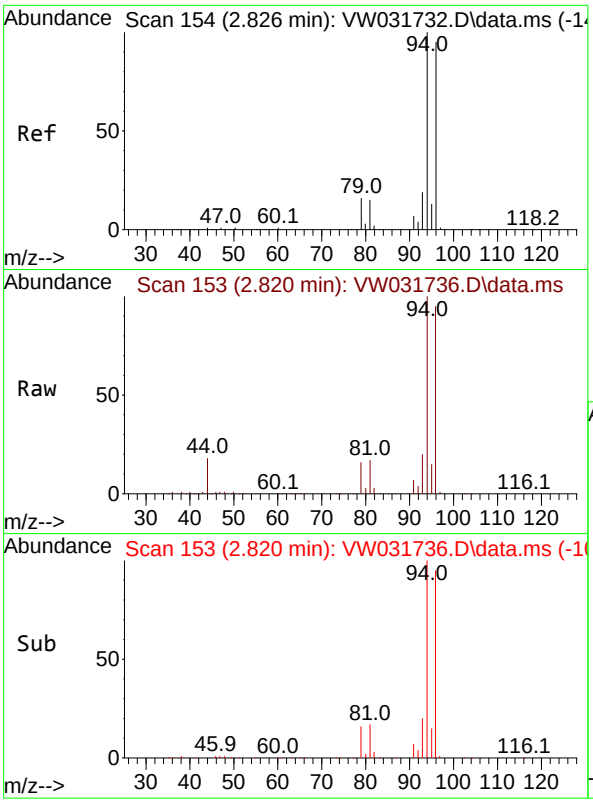


#4
Vinyl Chloride
Concen: 52.290 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 129034

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.8	40.2

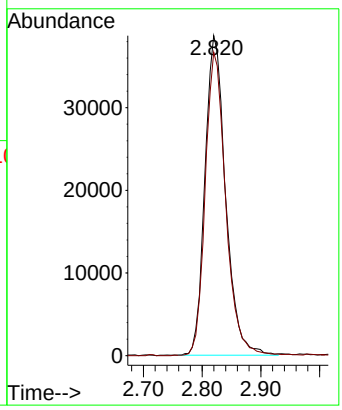




#5
Bromomethane
Concen: 49.075 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 94 Resp: 9458

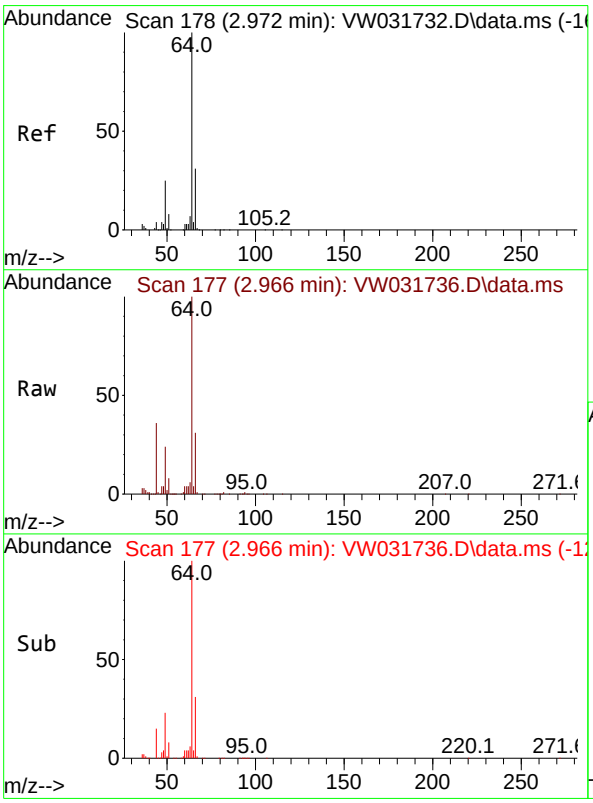
Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

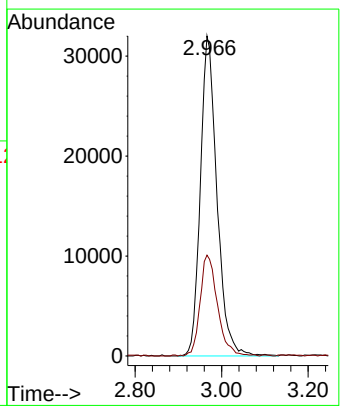
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

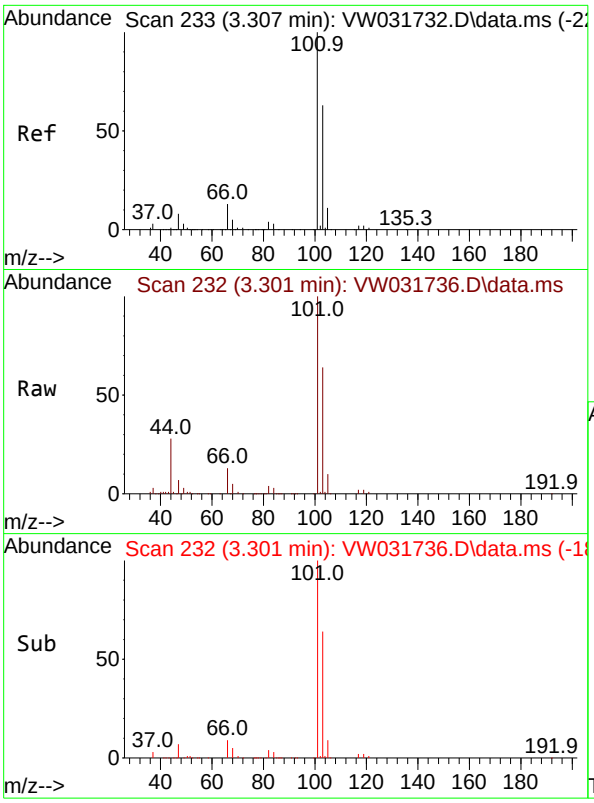


#6
Chloroethane
Concen: 50.785 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 64 Resp: 85126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	24.5	36.7

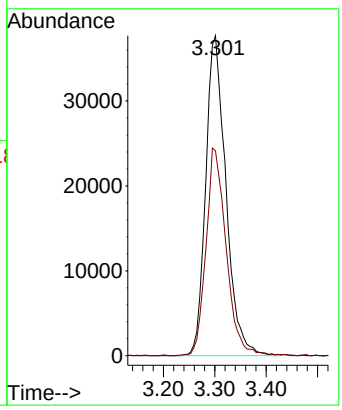




#7
Trichlorofluoromethane
Concen: 45.877 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:101 Resp: 10281

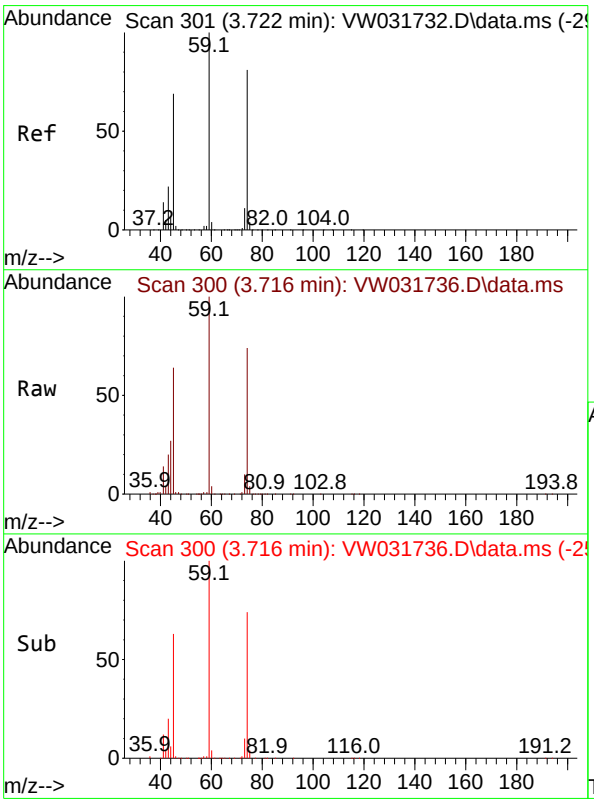
Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

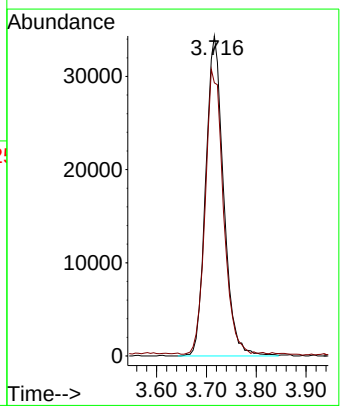
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

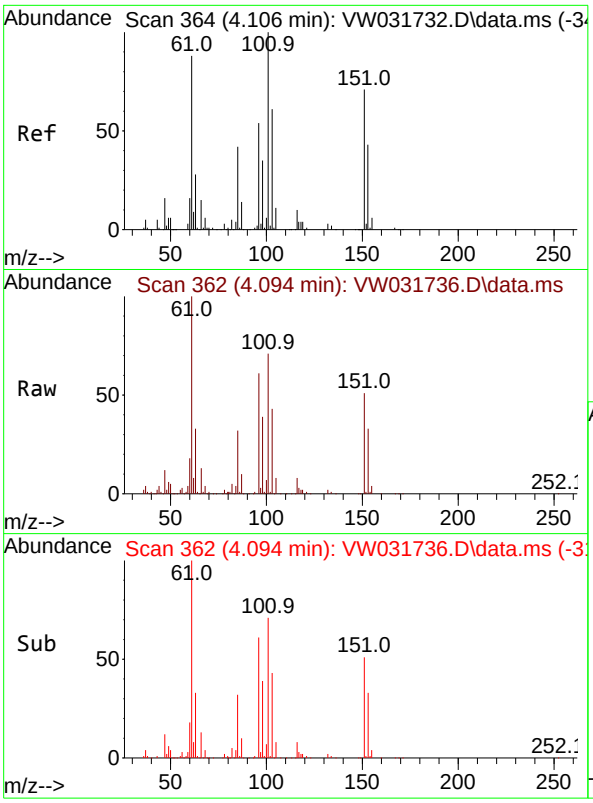


#8
Diethyl Ether
Concen: 50.236 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 74 Resp: 85549

Ion	Ratio	Lower	Upper
74	100		
45	90.5	43.9	131.7

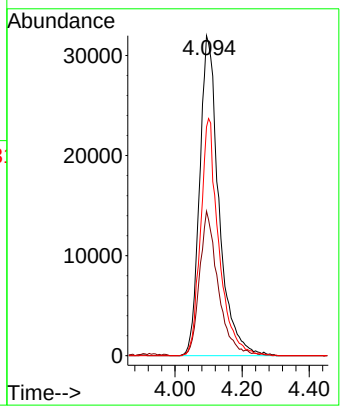




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.130 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:101 Resp: 12718

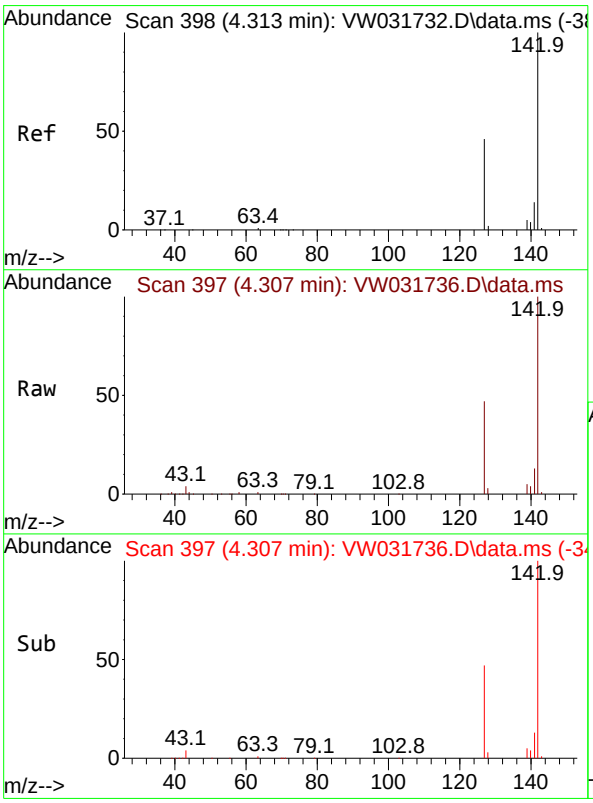
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.6	53.4
151	70.3	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

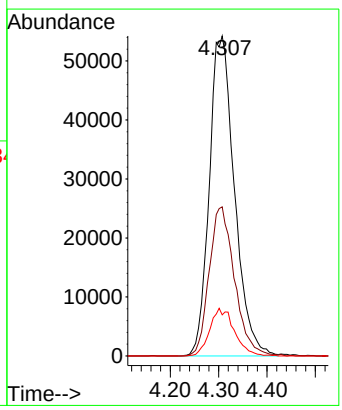
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

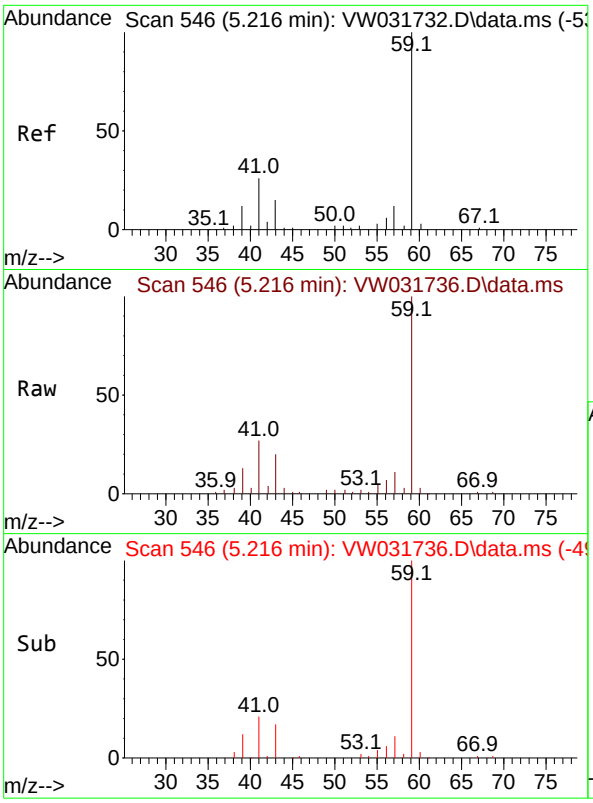


#10
Methyl Iodide
Concen: 51.168 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:142 Resp: 196219

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.9	56.9
141	14.6	11.7	17.5

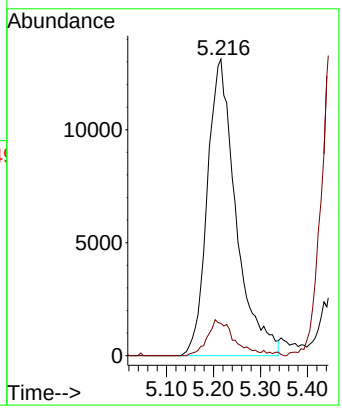




#11
Tert butyl alcohol
Concen: 273.466 ug/l
RT: 5.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 59 Resp: 5559

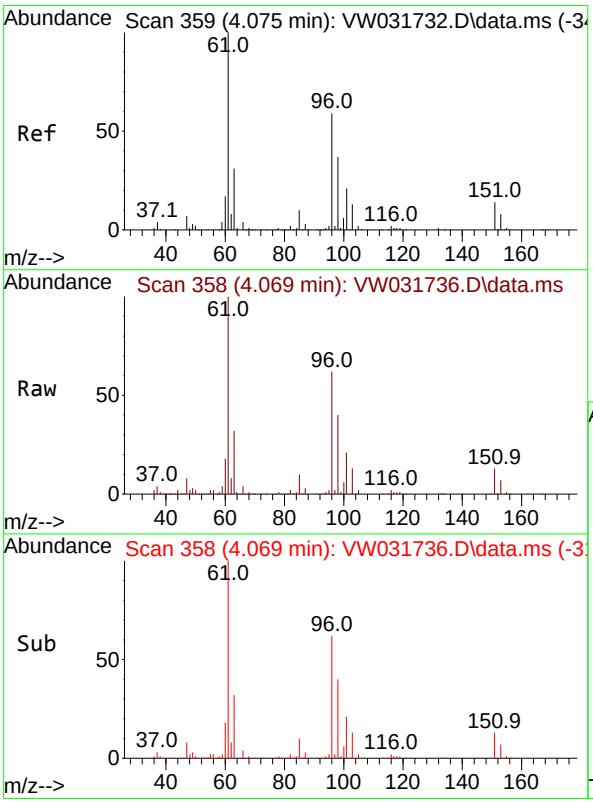
Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

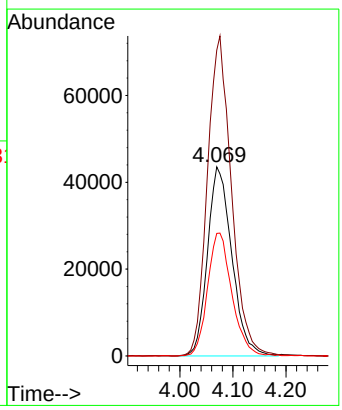
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

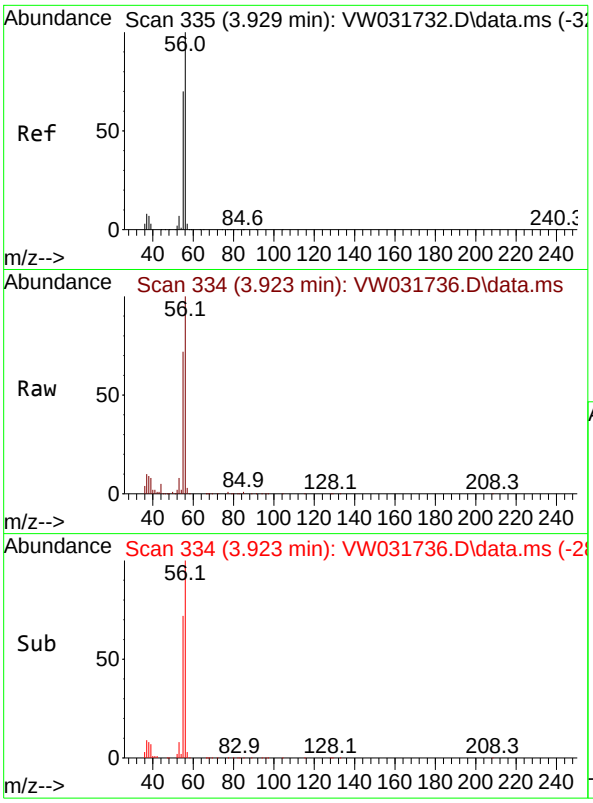


#12
1,1-Dichloroethene
Concen: 51.057 ug/l
RT: 4.069 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 96 Resp: 139112

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.8	203.8
98	64.8	50.4	75.6

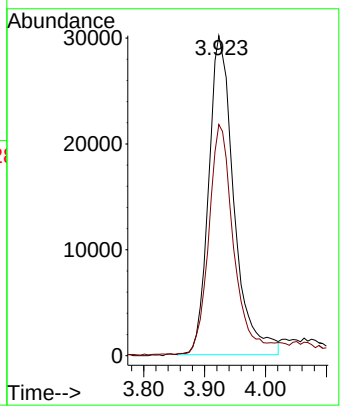




#13
Acrolein
Concen: 238.183 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 56 Resp: 8703

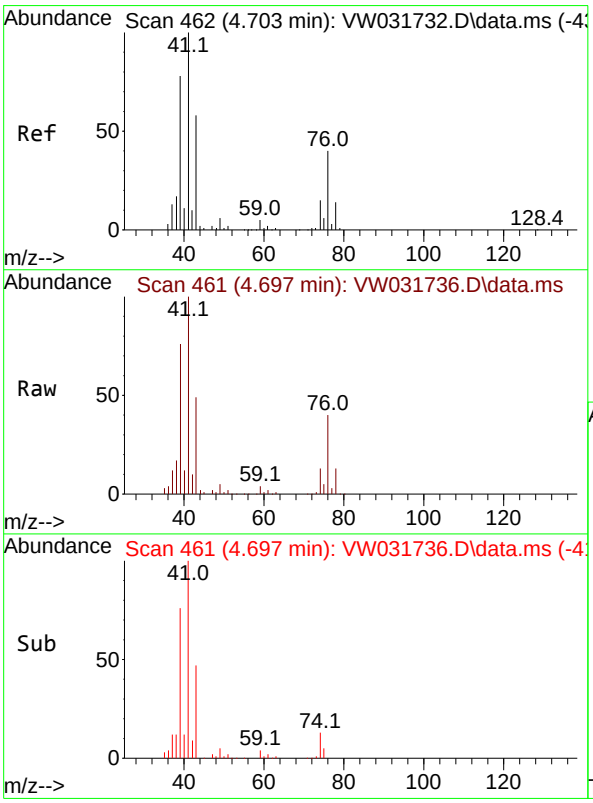
Ion	Ratio	Lower	Upper
56	100		
55	70.0	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

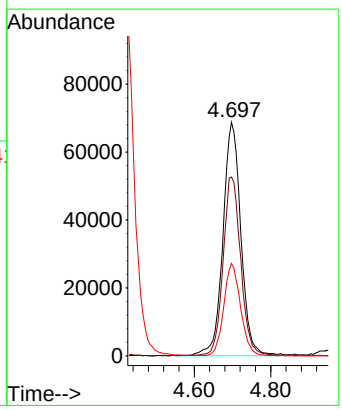
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

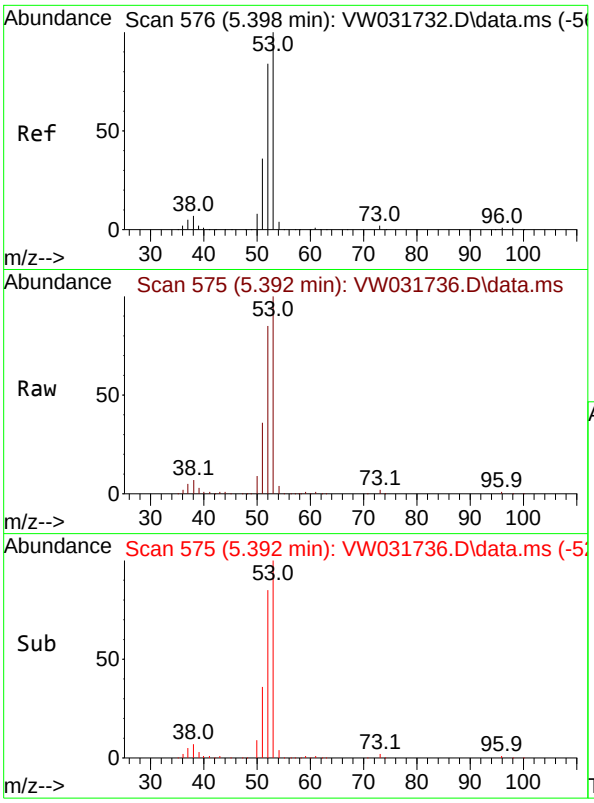


#14
Allyl chloride
Concen: 53.493 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 41 Resp: 223623

Ion	Ratio	Lower	Upper
41	100		
39	75.1	60.7	91.1
76	36.9	30.3	45.5

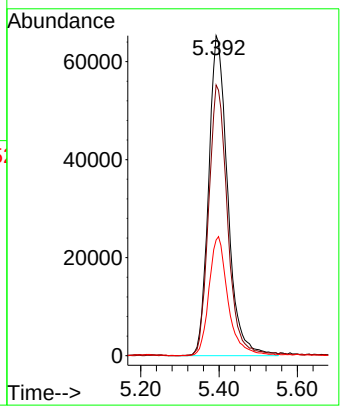




#15
Acrylonitrile
Concen: 263.111 ug/l
RT: 5.392 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 53 Resp: 22033

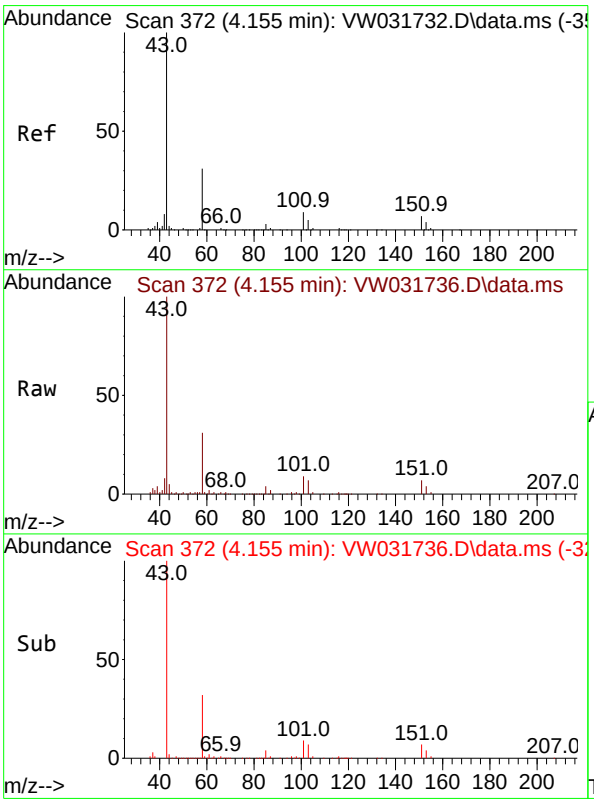
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.4	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

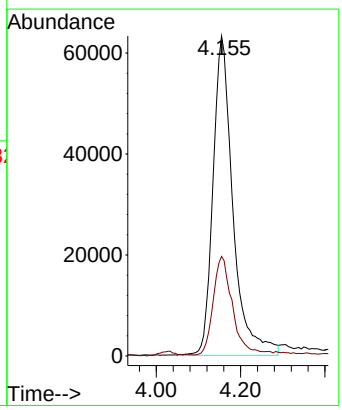
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

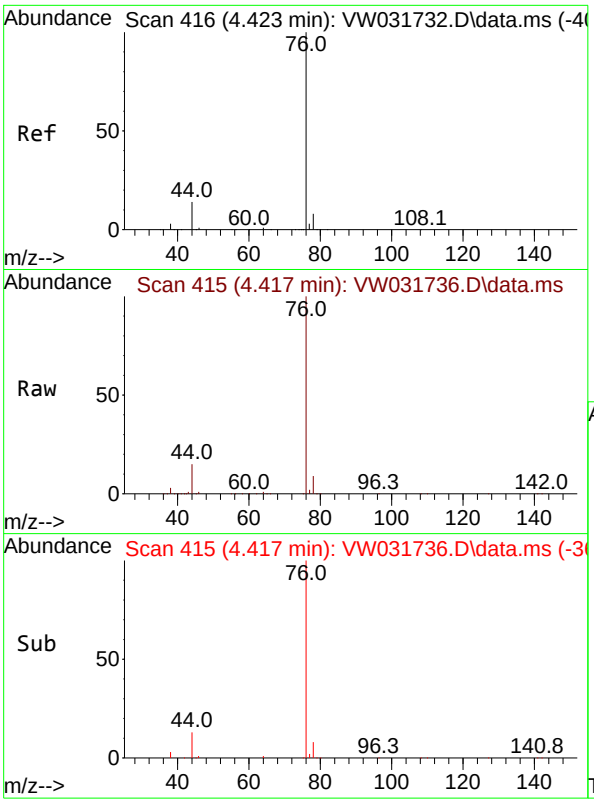


#16
Acetone
Concen: 255.933 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 207587

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.8	37.2

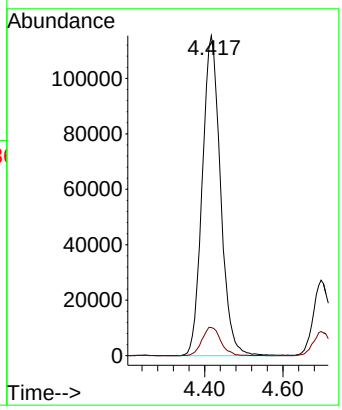




#17
Carbon Disulfide
Concen: 51.079 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 76 Resp: 37241

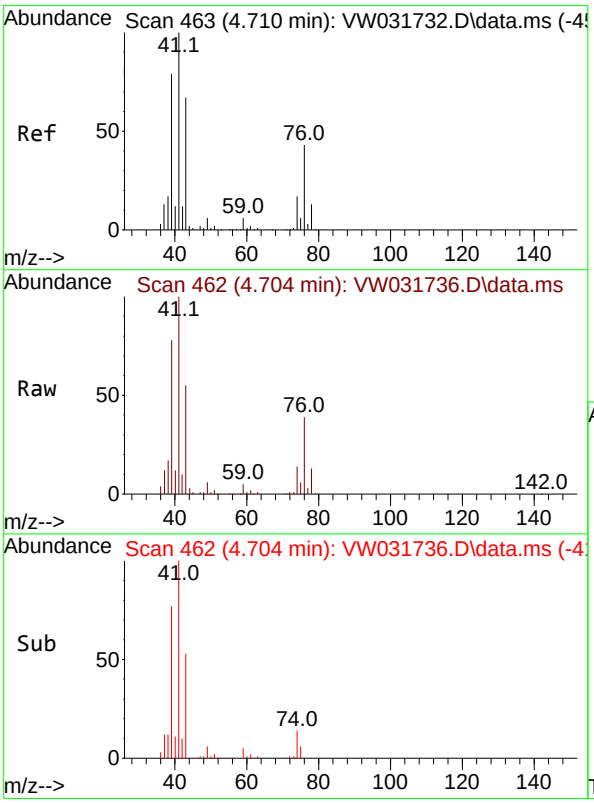
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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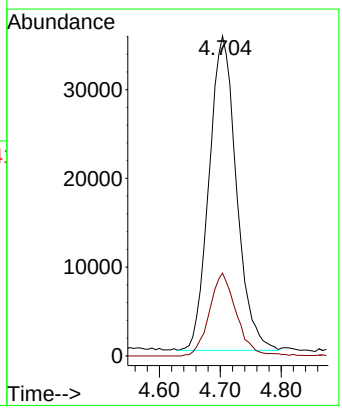
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

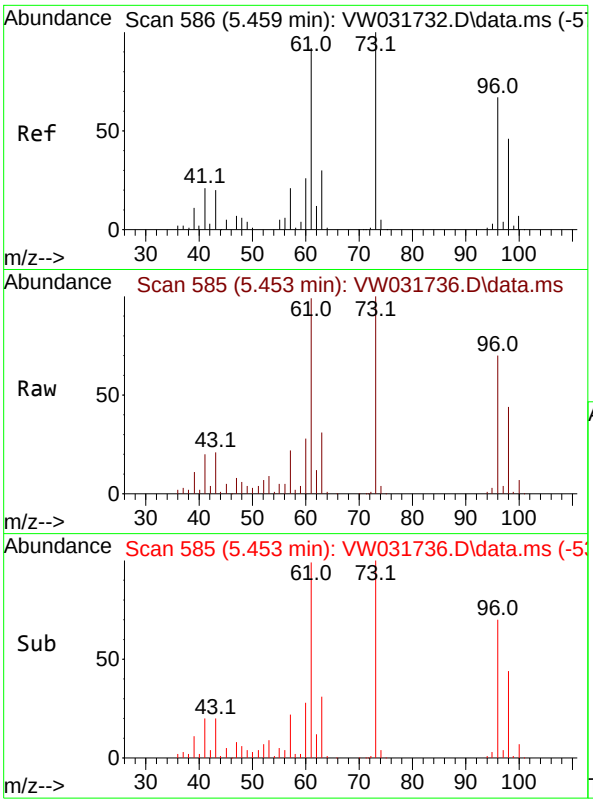


#18
Methyl Acetate
Concen: 47.723 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 110627

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.6	30.8

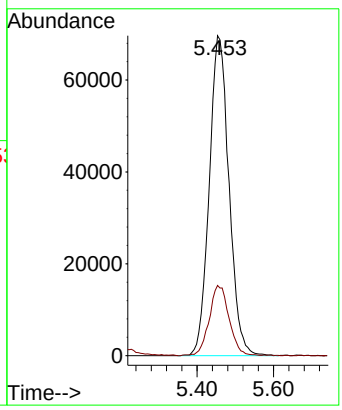




#19
Methyl tert-butyl Ether
Concen: 53.936 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 73 Resp: 24943

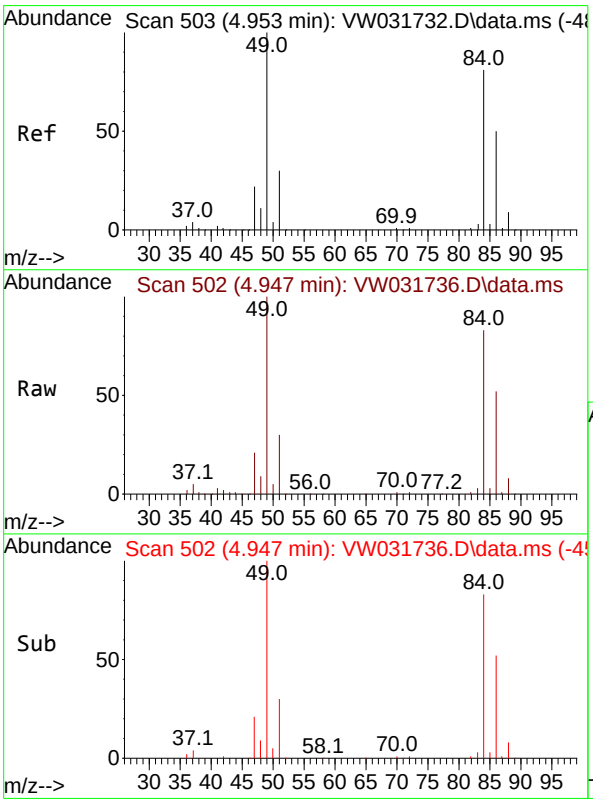
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

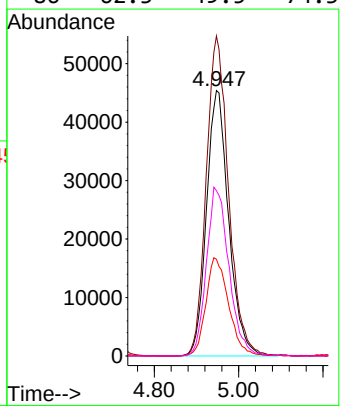
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

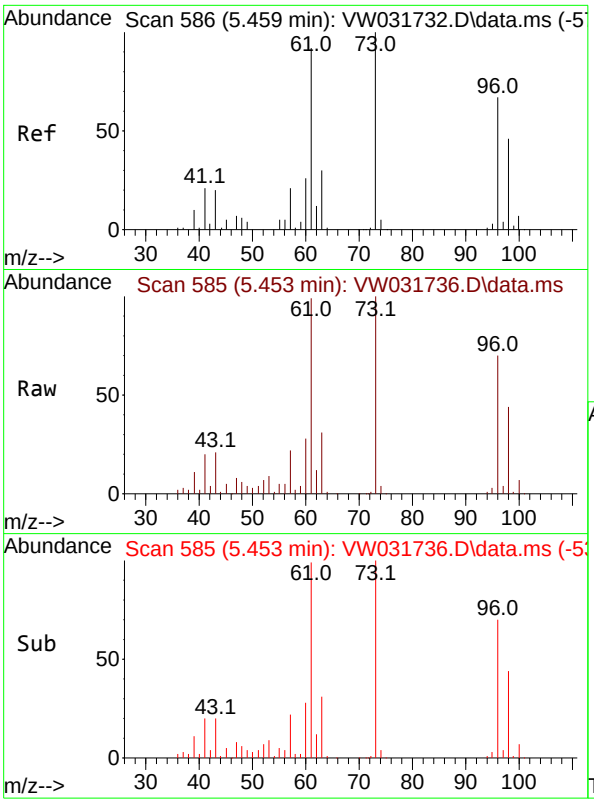


#20
Methylene Chloride
Concen: 51.478 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 84 Resp: 165907

Ion	Ratio	Lower	Upper
84	100		
49	120.5	98.2	147.4
51	36.4	29.8	44.8
86	62.3	49.5	74.3

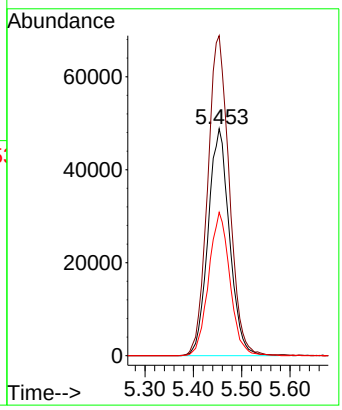




#21
trans-1,2-Dichloroethene
Concen: 51.856 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 96 Resp: 15012

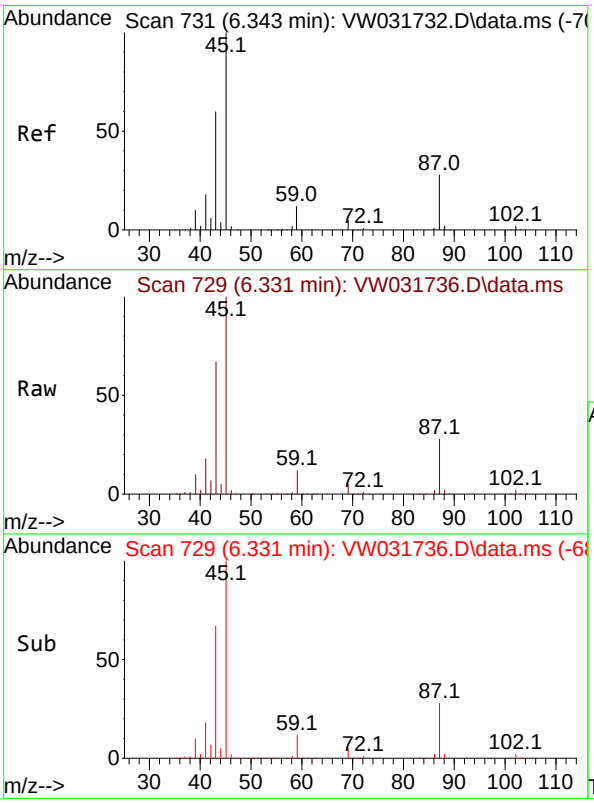
Ion	Ratio	Lower	Upper
96	100		
61	140.9	109.8	164.6
98	63.1	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

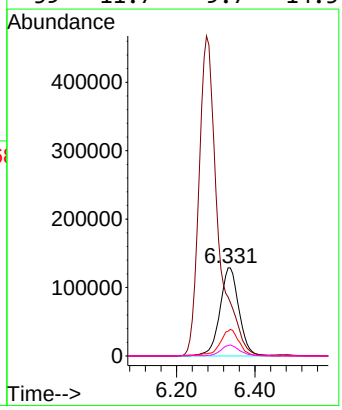
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

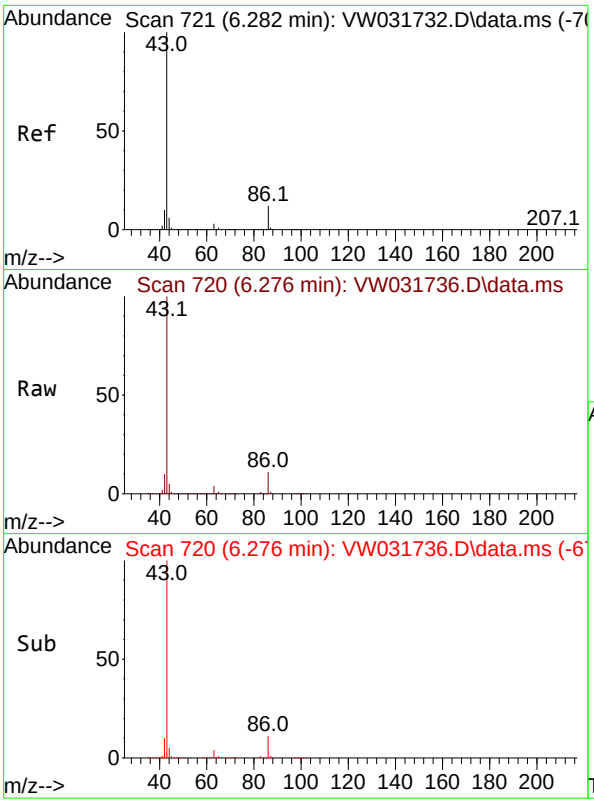


#22
Diisopropyl ether
Concen: 53.419 ug/l
RT: 6.331 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 45 Resp: 435531

Ion	Ratio	Lower	Upper
45	100		
43	66.7	48.3	72.5
87	28.0	22.6	34.0
59	11.7	9.7	14.5

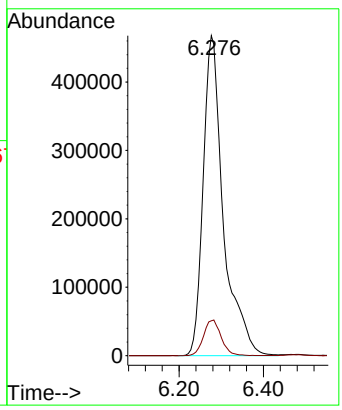




#23
Vinyl Acetate
Concen: 279.810 ug/l
RT: 6.276 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 155824

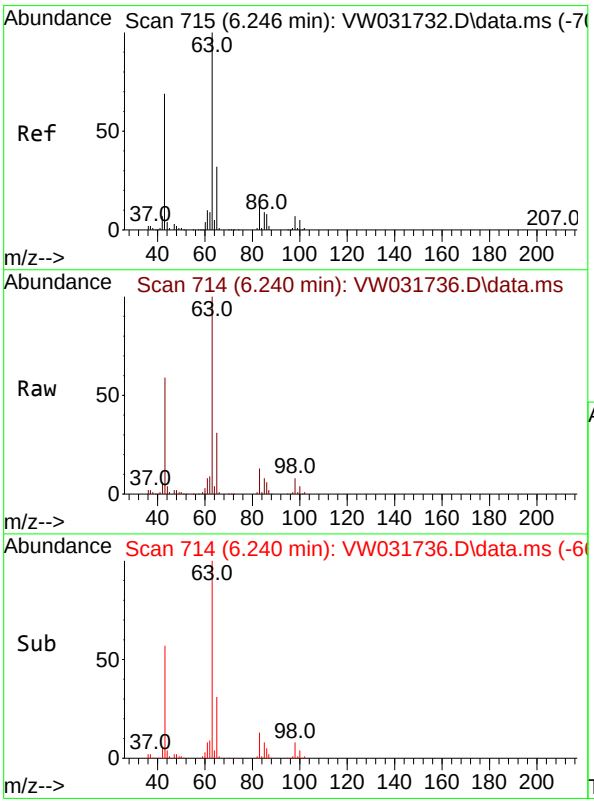
Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

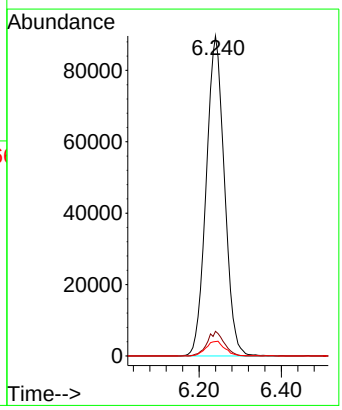
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

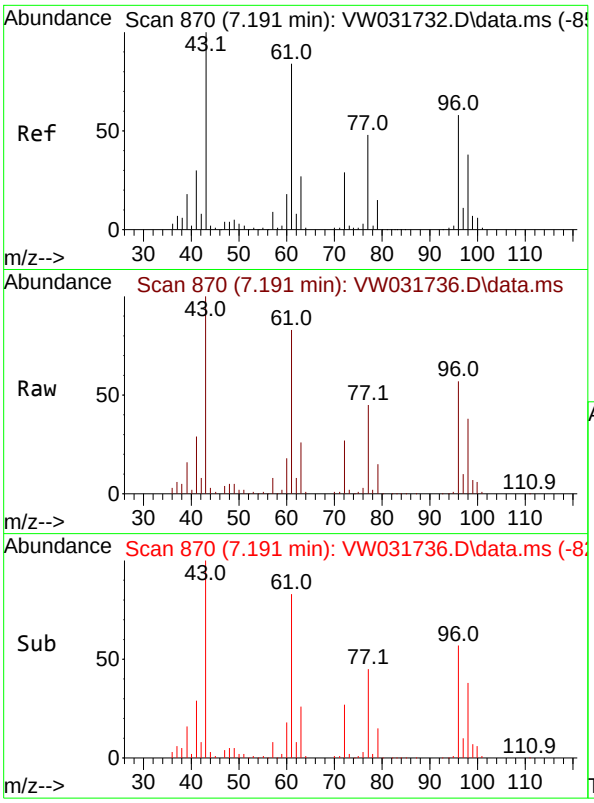


#24
1,1-Dichloroethane
Concen: 52.150 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 275659

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.6
100	4.5	2.5	7.5

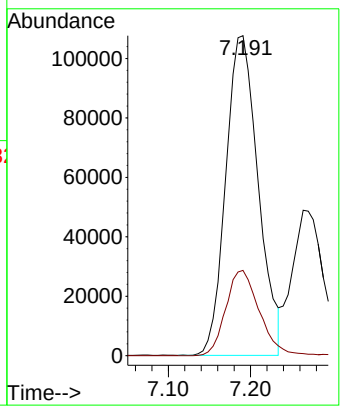




#25
2-Butanone
Concen: 280.206 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 29567

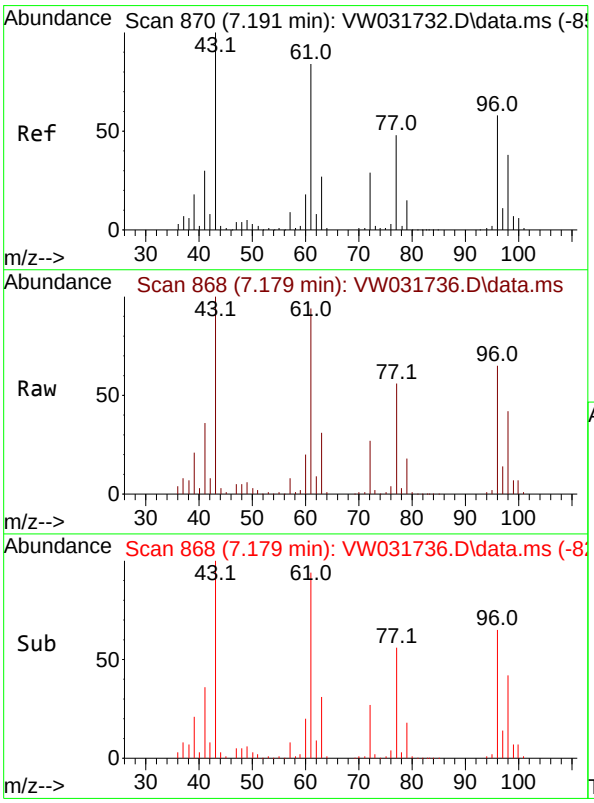
Ion	Ratio	Lower	Upper
43	100		
72	26.7	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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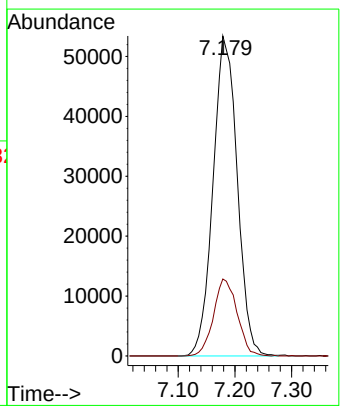
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

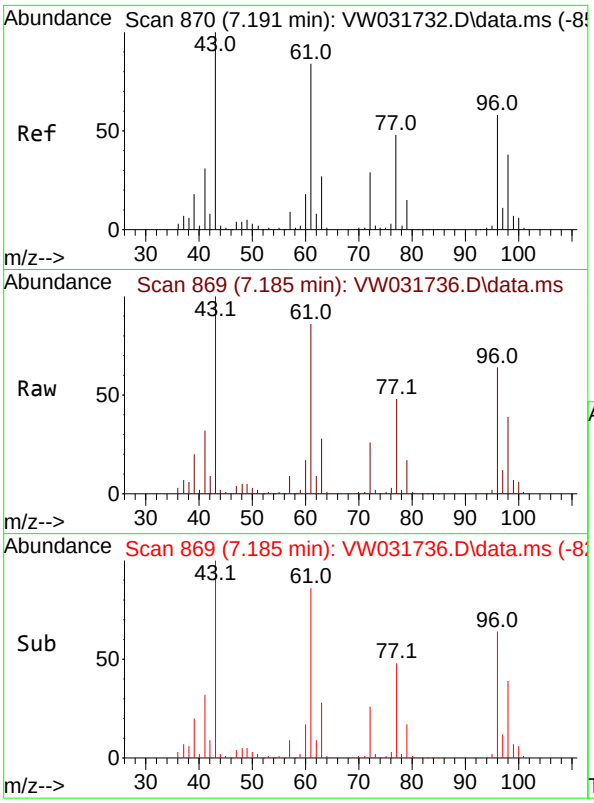


#26
2,2-Dichloropropane
Concen: 51.263 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 77 Resp: 158098

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.6	34.7





#27
cis-1,2-Dichloroethene
Concen: 52.697 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

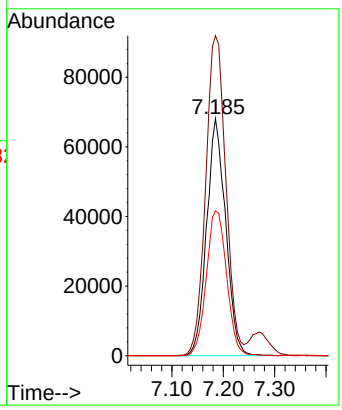
Tgt Ion: 96 Resp: 17537

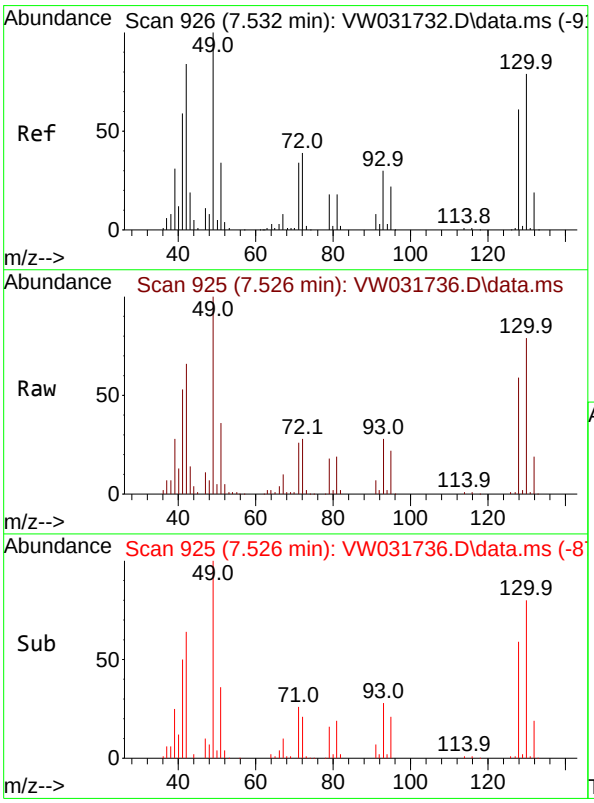
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	286.8
98	65.1	0.0	130.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

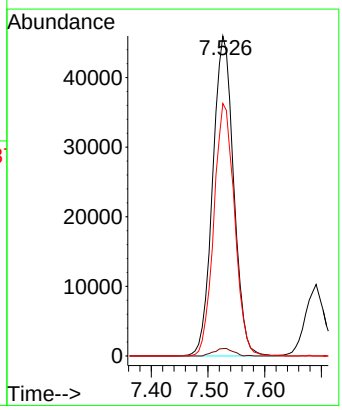


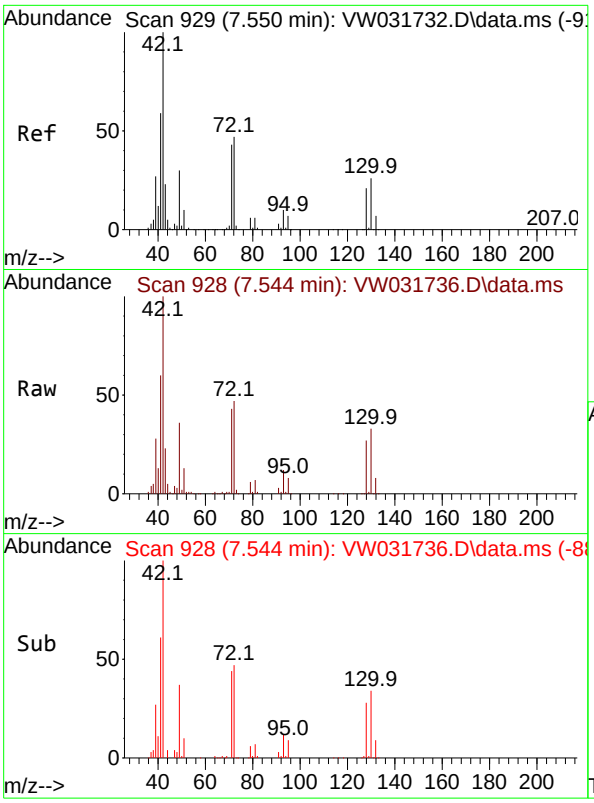


#28
Bromochloromethane
Concen: 50.675 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 49 Resp: 118204

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	77.8	61.3	91.9

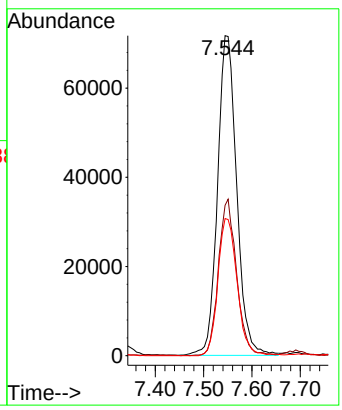




#29
Tetrahydrofuran
Concen: 272.901 ug/l
RT: 7.544 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 42 Resp: 19720

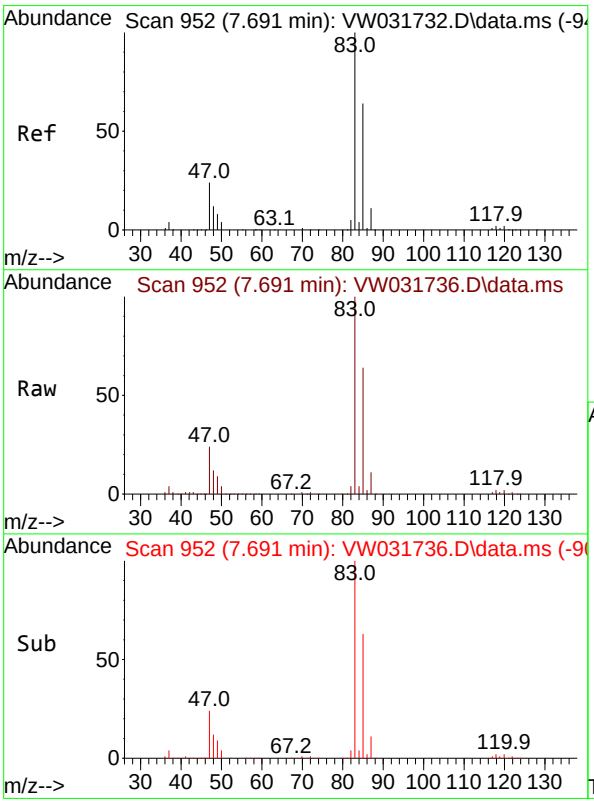
Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.8	55.2
71	43.2	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

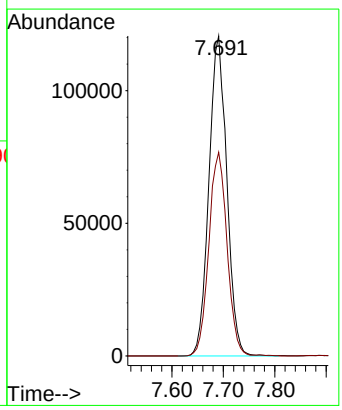
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

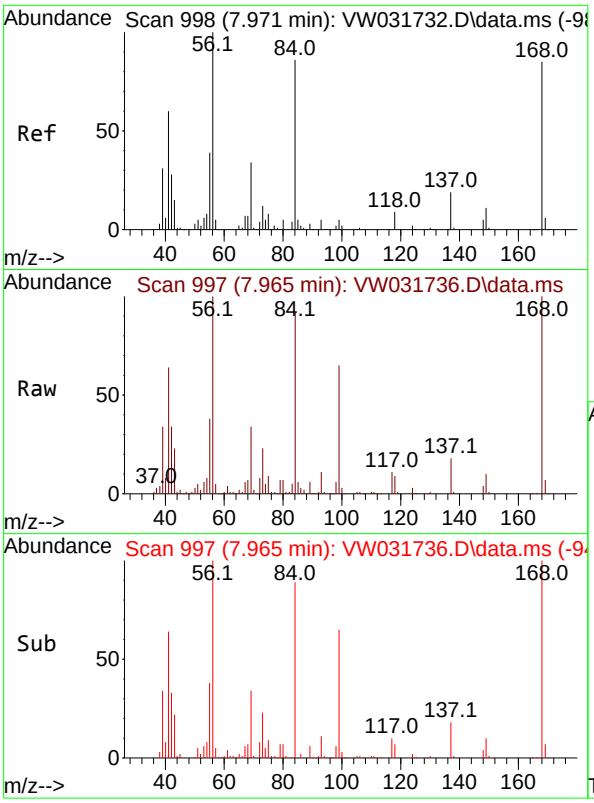


#30
Chloroform
Concen: 51.829 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 83 Resp: 291107

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0

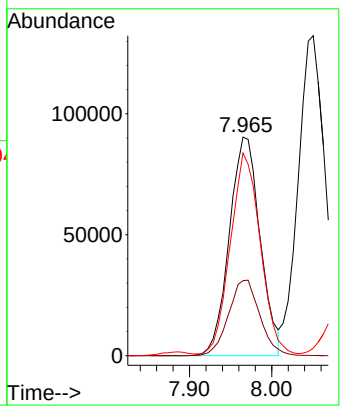




#31
Cyclohexane
Concen: 50.326 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 56 Resp: 23514

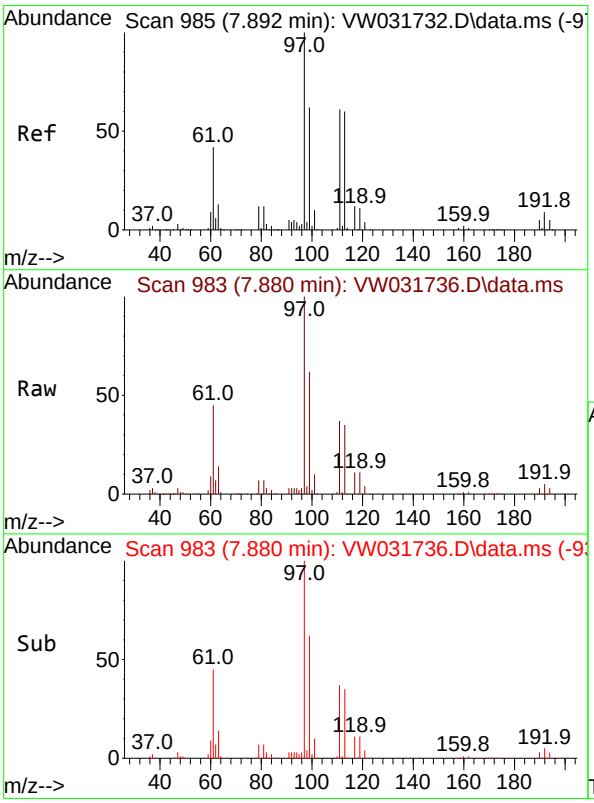
Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.2	40.8
84	90.9	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

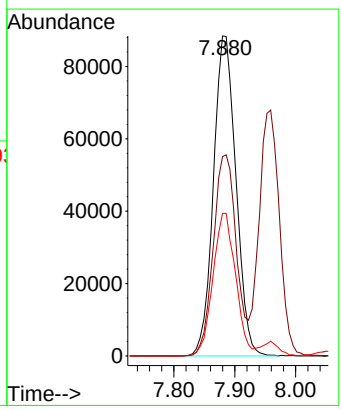
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

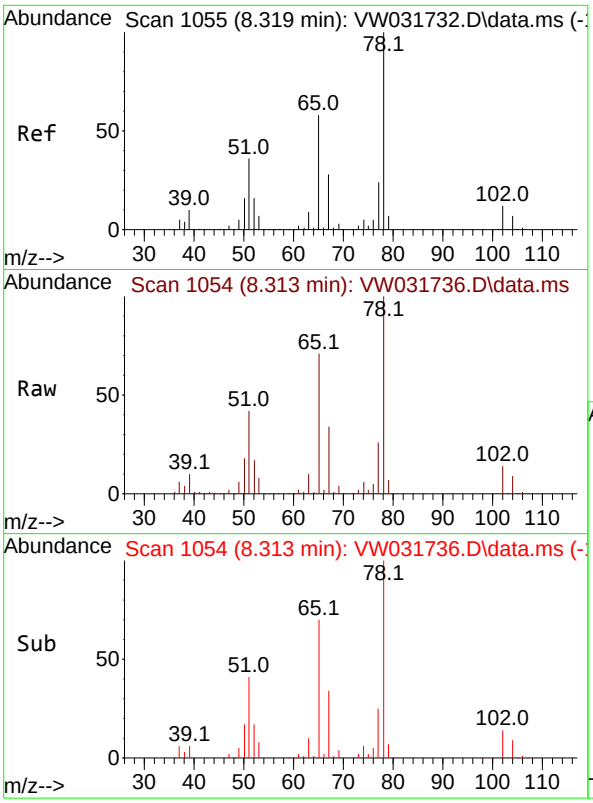


#32
1,1,1-Trichloroethane
Concen: 52.429 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 97 Resp: 226937

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	45.1	36.0	54.0

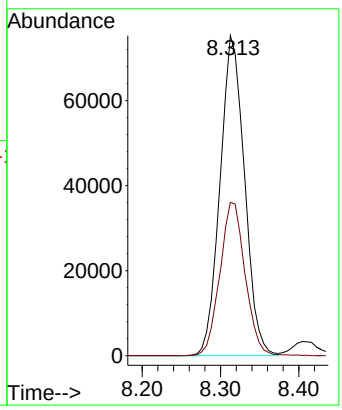




#33
1,2-Dichloroethane-d4
Concen: 49.923 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 65 Resp: 16382

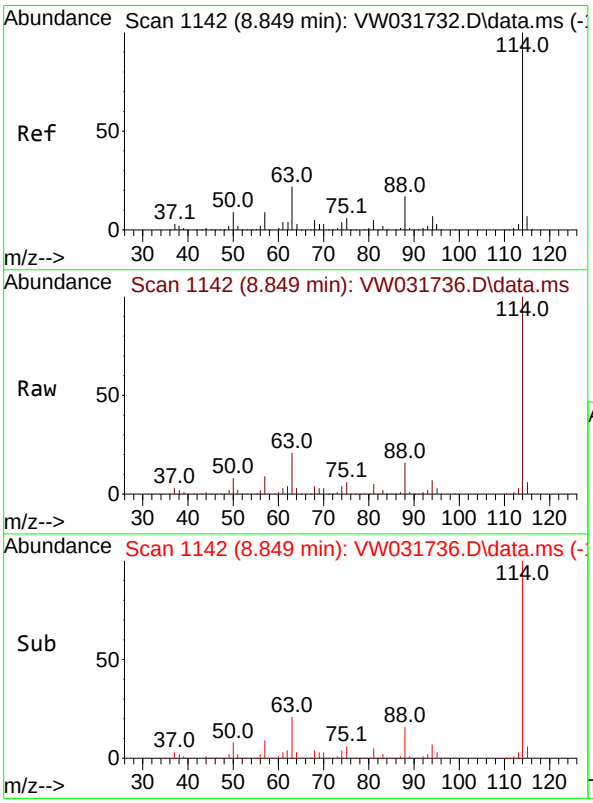
Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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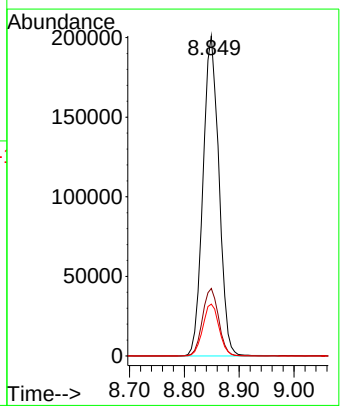
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

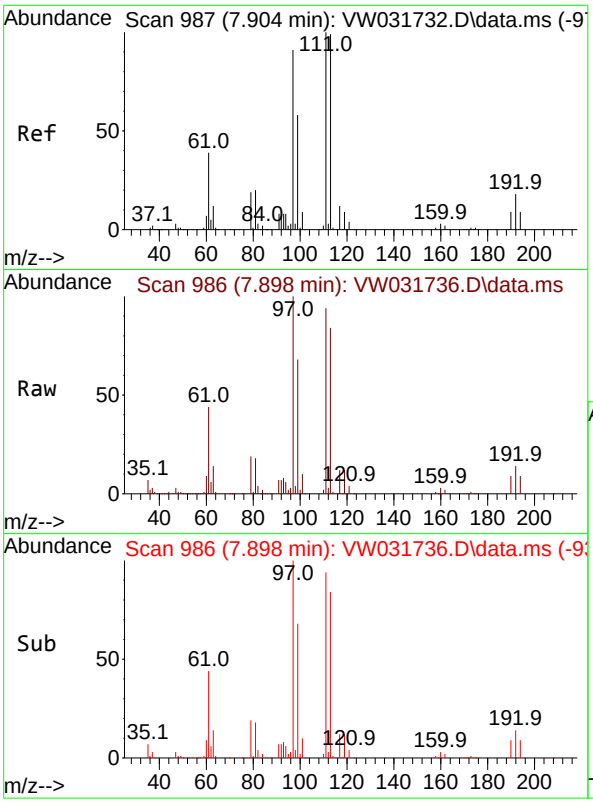


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:114 Resp: 405093

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.6
88	16.2	0.0	34.2

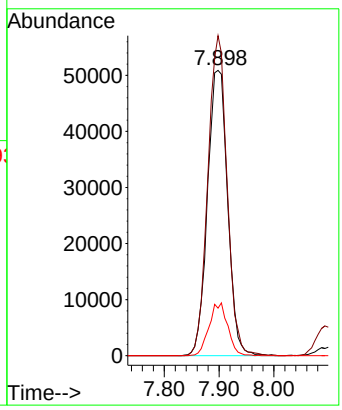




#35
Dibromofluoromethane
Concen: 49.107 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:113 Resp: 12981

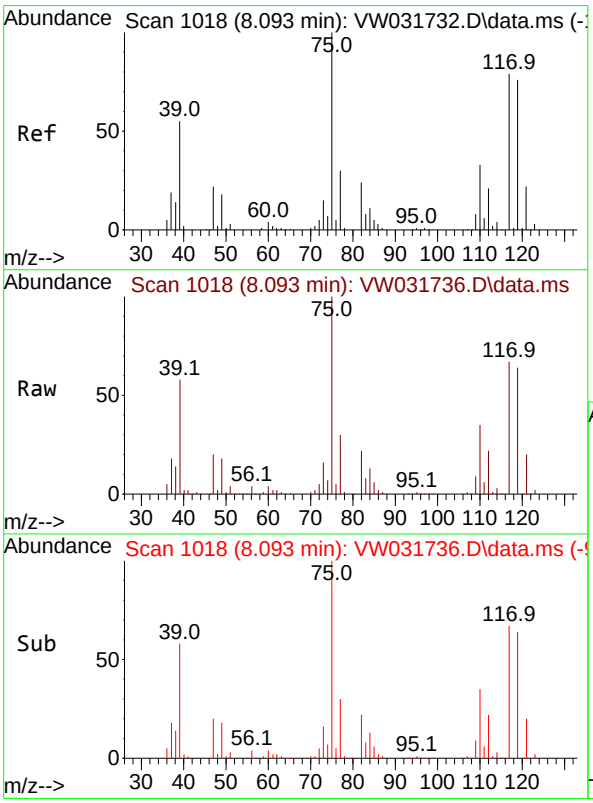
Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.1	123.1
192	17.2	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

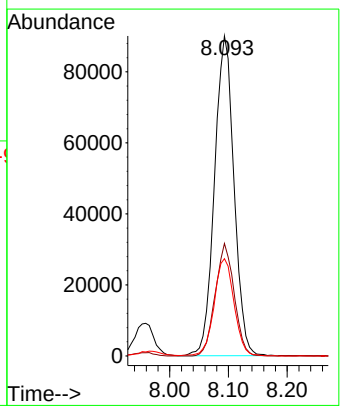
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

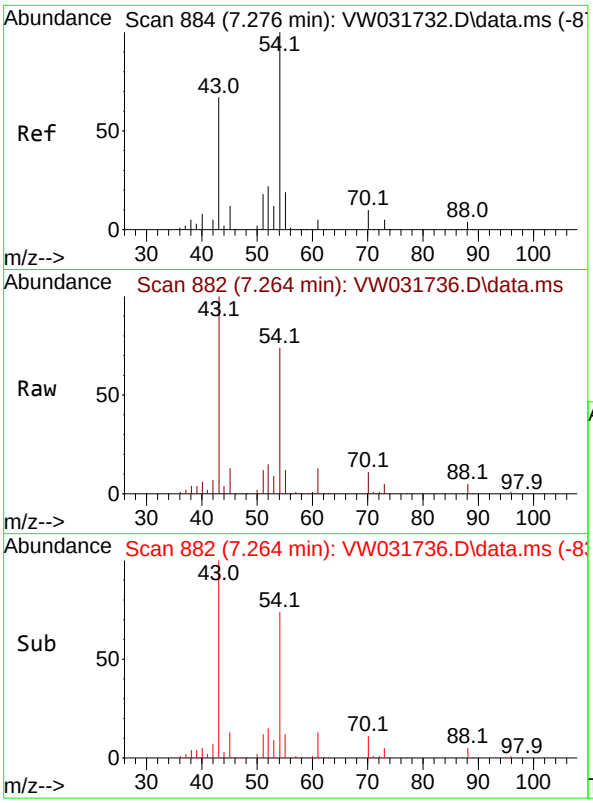


#36
1,1-Dichloropropene
Concen: 54.256 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 207537

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.2	25.0	37.6

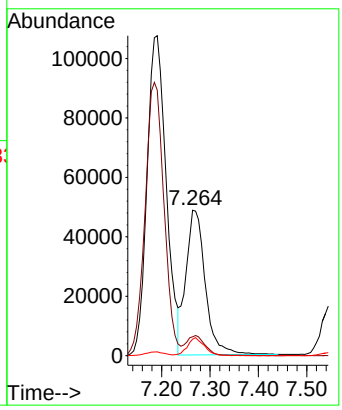




#37
Ethyl Acetate
Concen: 56.224 ug/l
RT: 7.264 min Scan# 8
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 13566

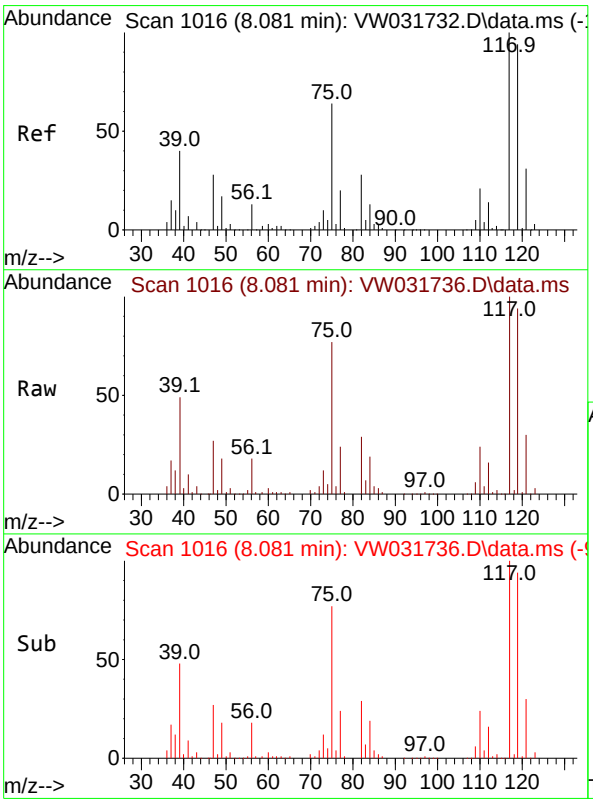
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.9	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

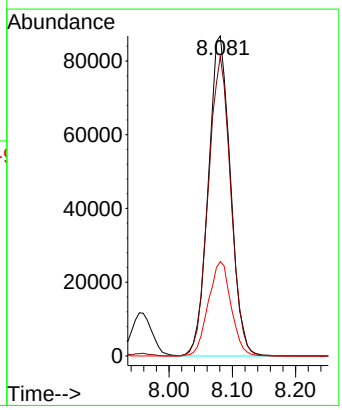
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

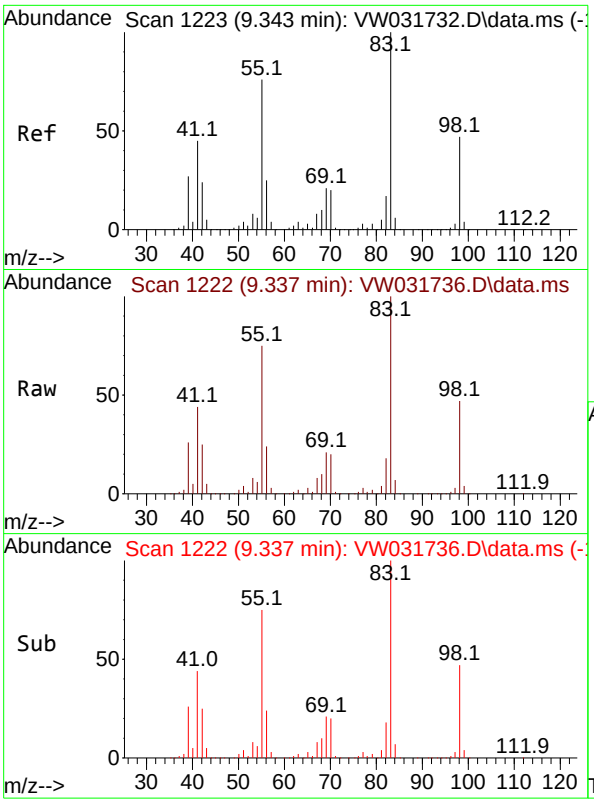


#38
Carbon Tetrachloride
Concen: 54.165 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:117 Resp: 211131

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.6
121	29.5	24.6	37.0





#39
Methylcyclohexane
Concen: 54.897 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

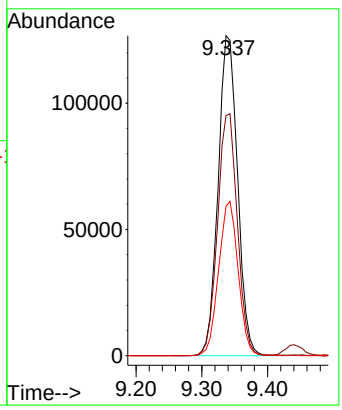
Tgt Ion: 83 Resp: 26126

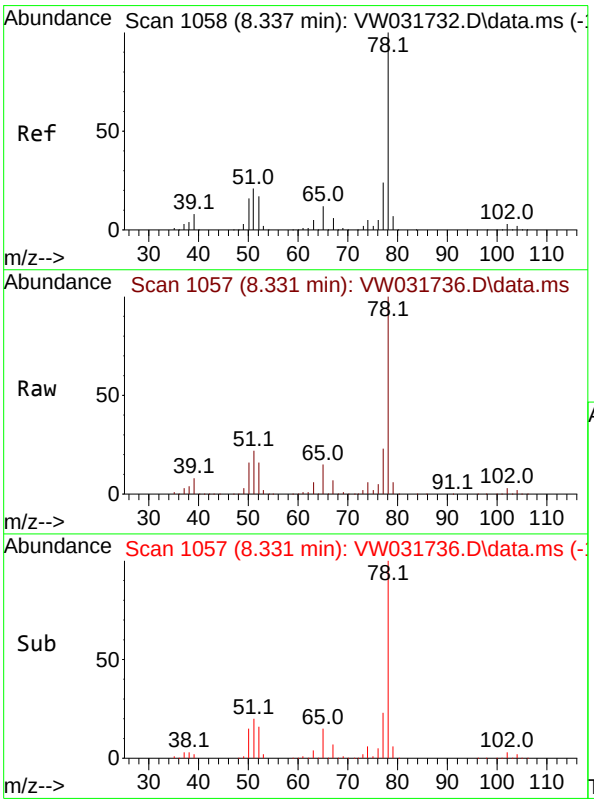
Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	46.8	37.9	56.9

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

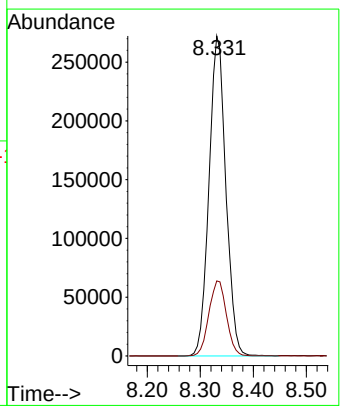


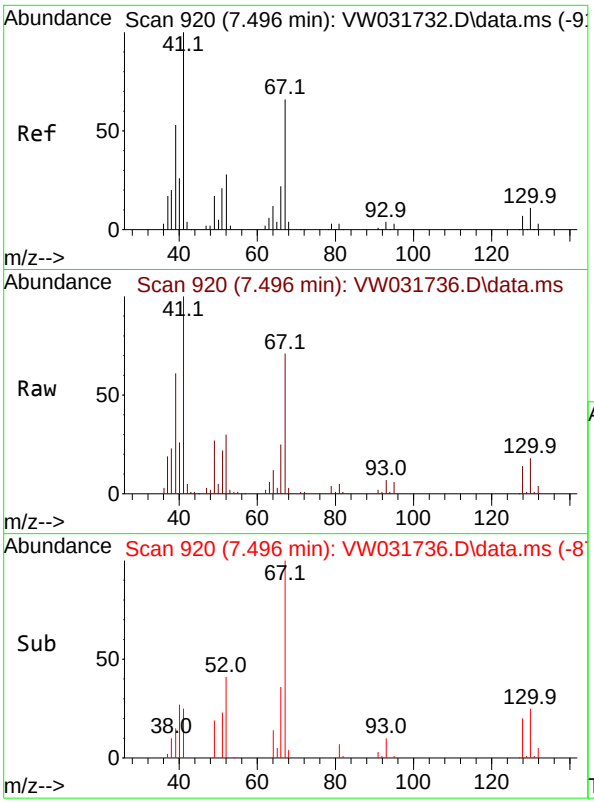


#40
Benzene
Concen: 53.078 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 78 Resp: 600684

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8

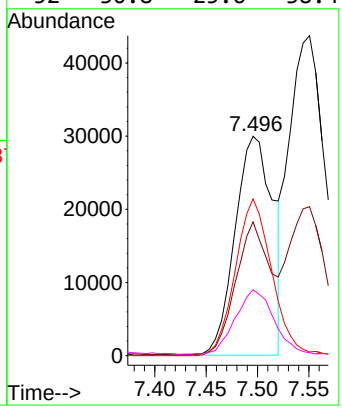




#41
Methacrylonitrile
Concen: 59.345 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 41 Resp: 7671

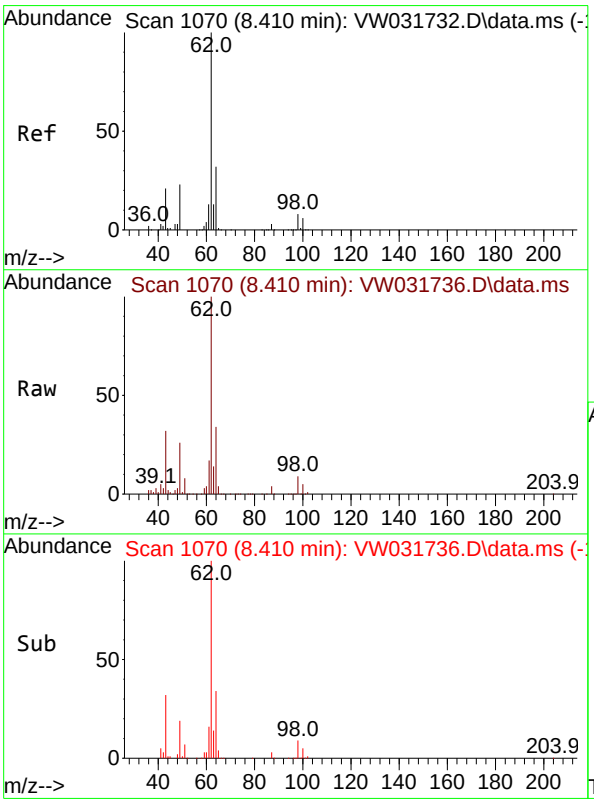
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.2	64.8
67	69.7	58.1	87.1
52	30.8	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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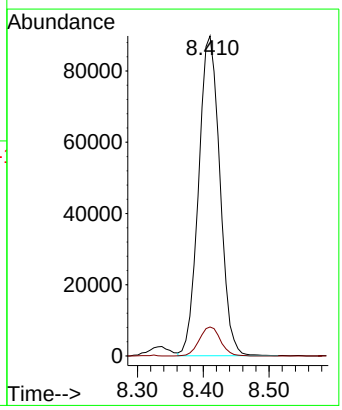
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

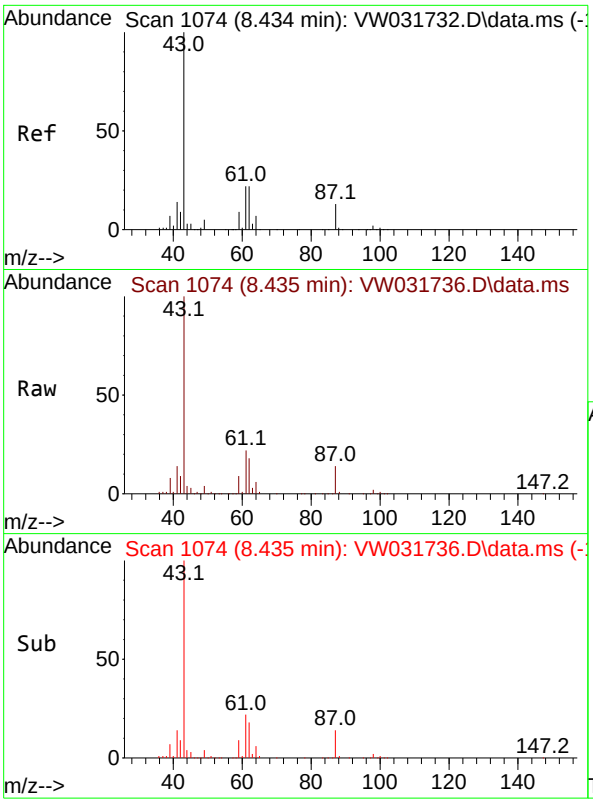


#42
1,2-Dichloroethane
Concen: 52.674 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 201420

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2

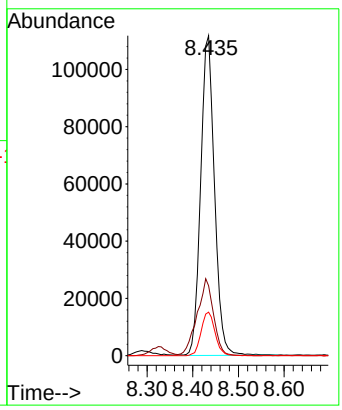




#43
Isopropyl Acetate
Concen: 56.382 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 23451

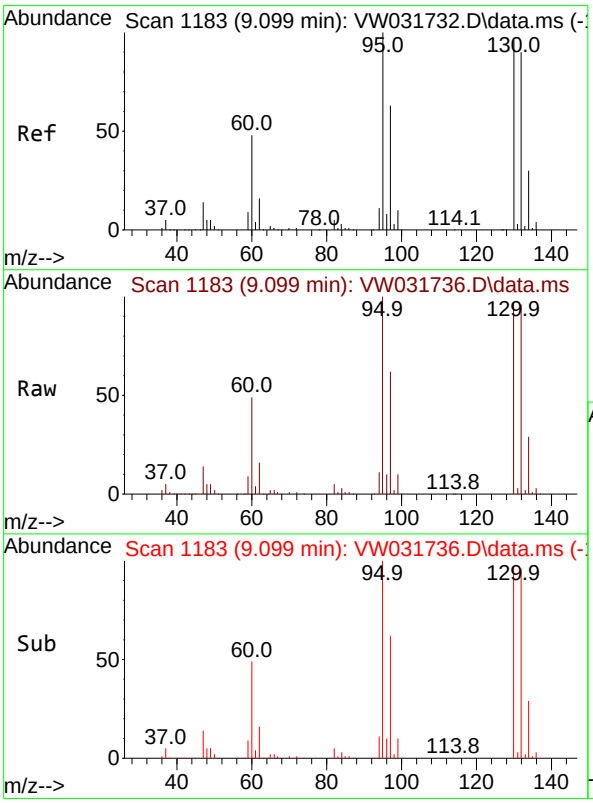
Ion	Ratio	Lower	Upper
43	100		
61	28.5	23.1	34.7
87	13.8	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

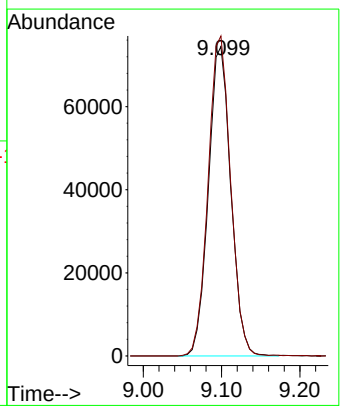
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

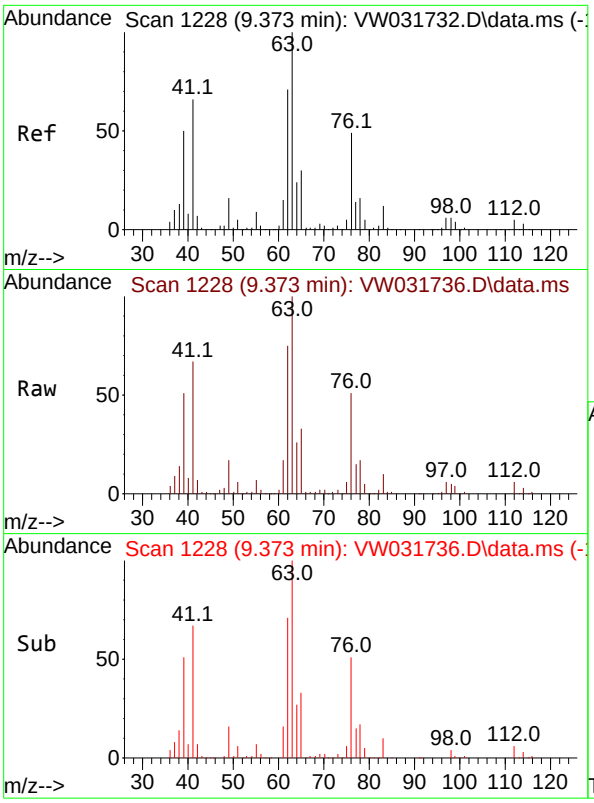


#44
Trichloroethene
Concen: 52.391 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:130 Resp: 147985

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	208.6

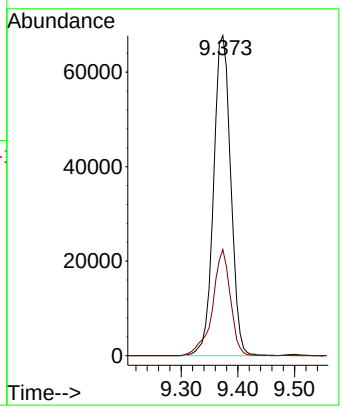




#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 14256

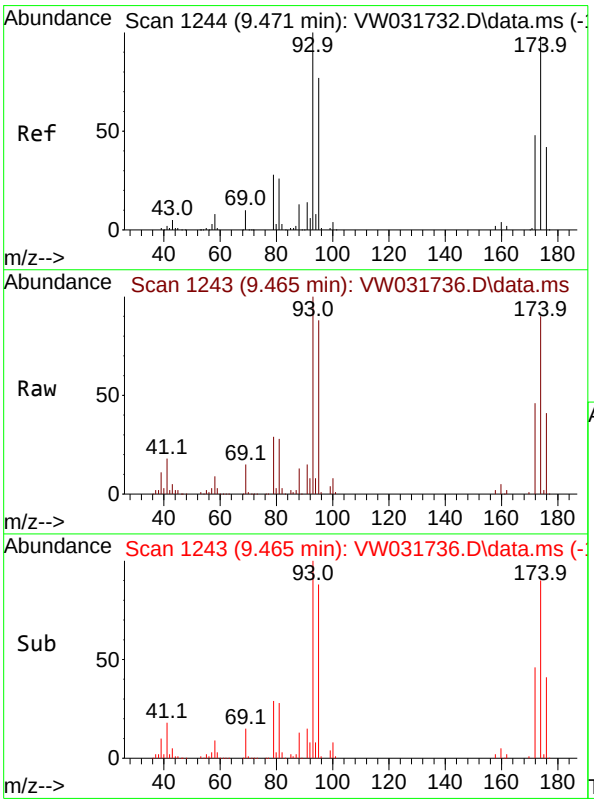
Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

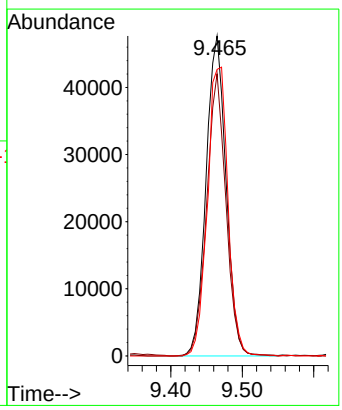
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

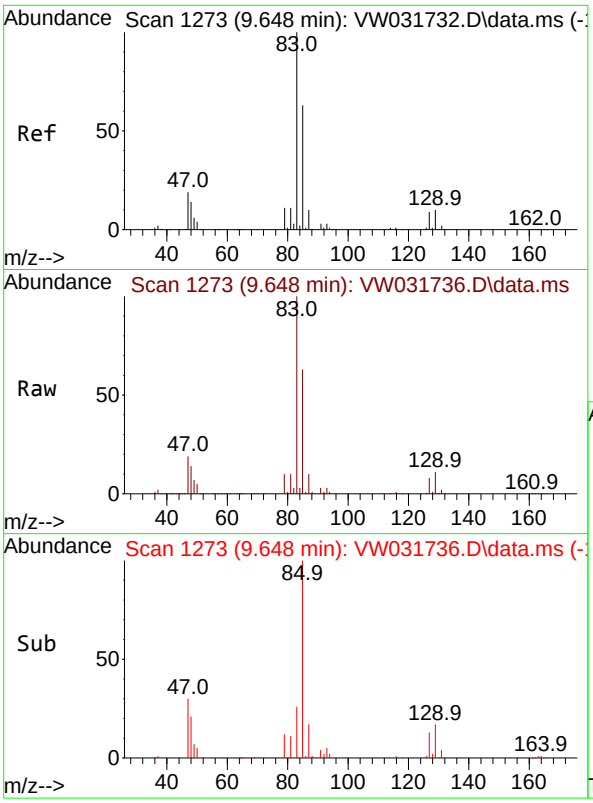


#46
Dibromomethane
Concen: 52.504 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 93 Resp: 92714

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.0	100.4
174	92.8	71.7	107.5

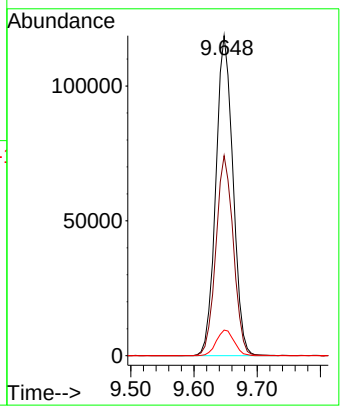




#47
Bromodichloromethane
Concen: 53.804 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 83 Resp: 22279

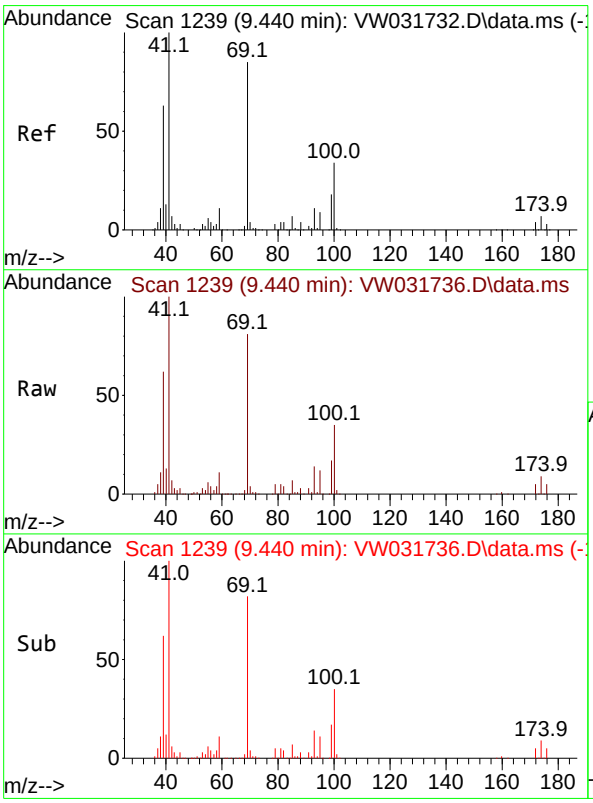
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.8	76.2
127	8.0	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

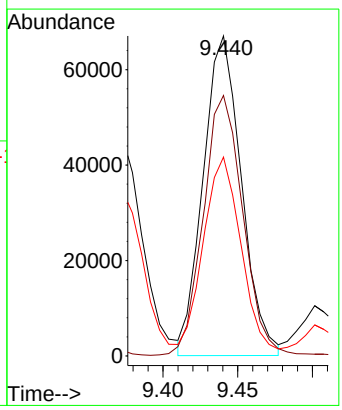
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

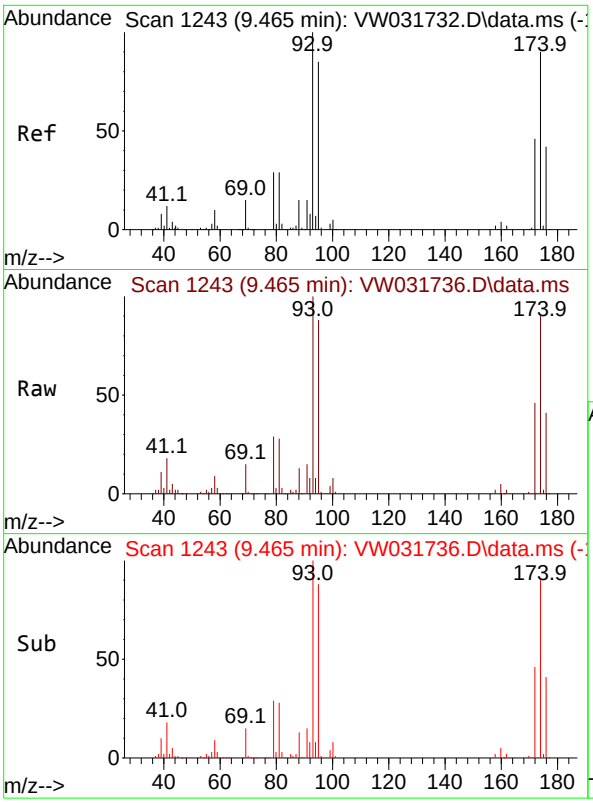


#48
Methyl methacrylate
Concen: 58.260 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 41 Resp: 119156

Ion	Ratio	Lower	Upper
41	100		
69	84.7	71.6	107.4
39	57.1	49.5	74.3

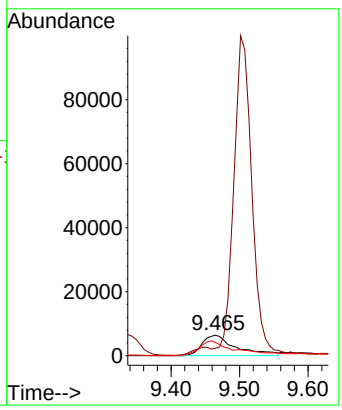




#49
1,4-Dioxane
Concen: 1062.966 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 88 Resp: 2198

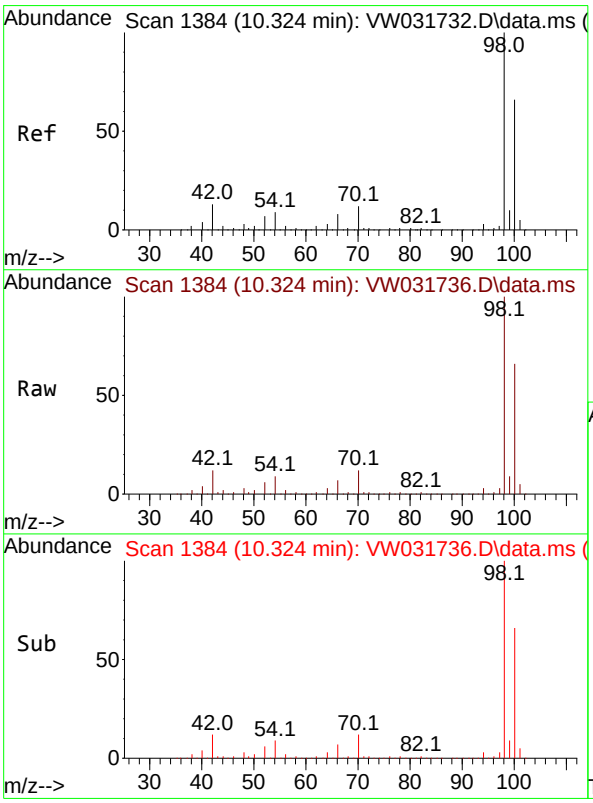
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.3	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

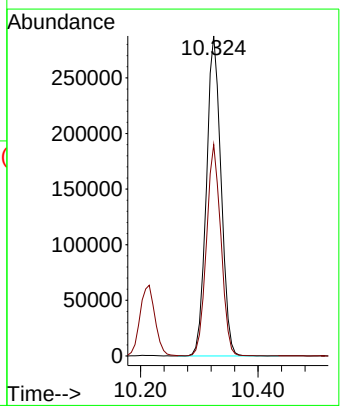
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

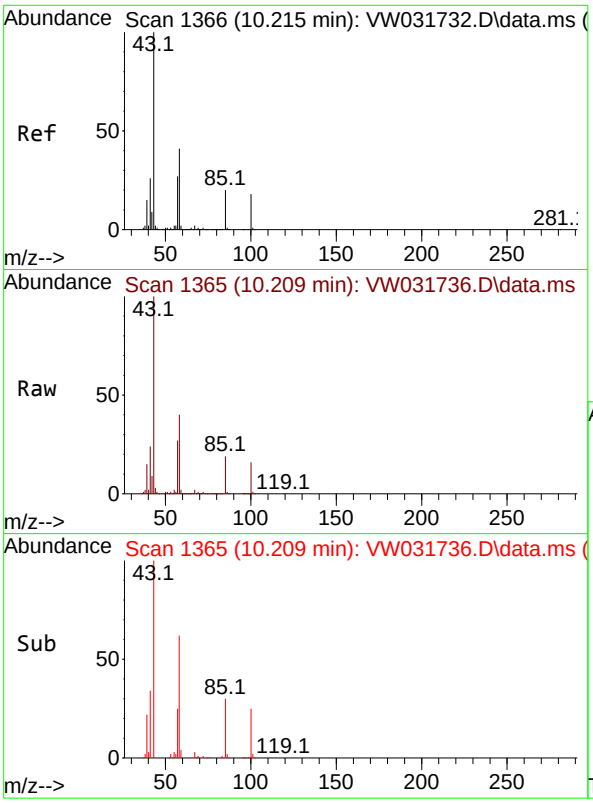


#50
Toluene-d8
Concen: 50.552 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 98 Resp: 497288

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 279.124 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

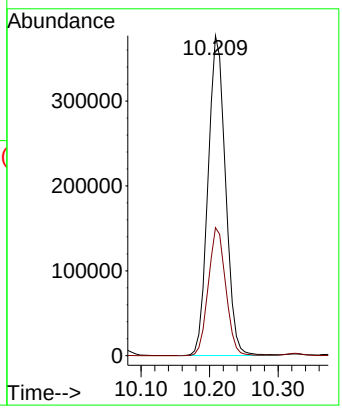
Tgt Ion: 43 Resp: 66747

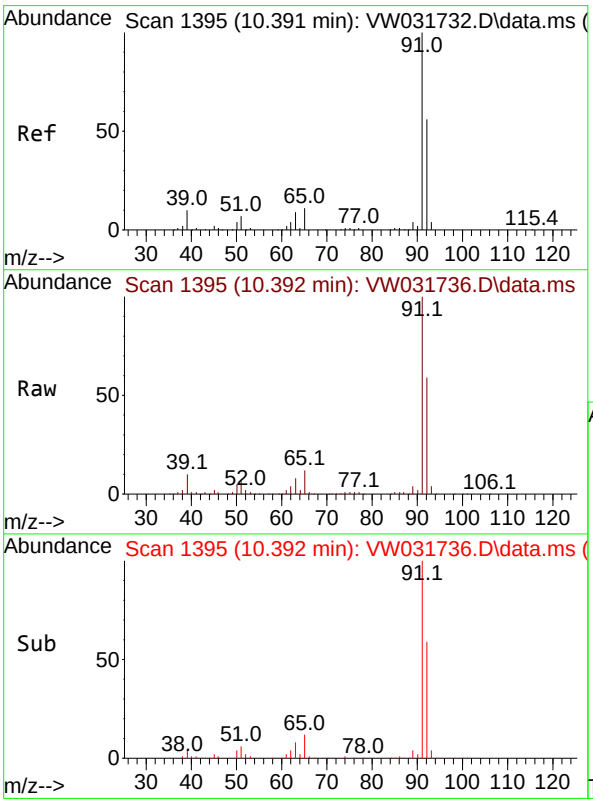
Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.2	48.2

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

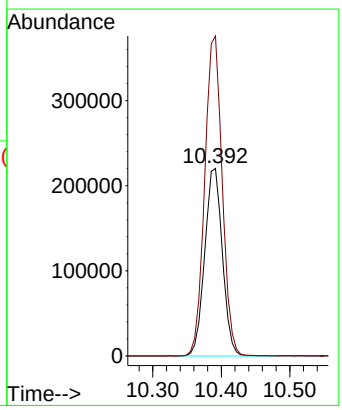


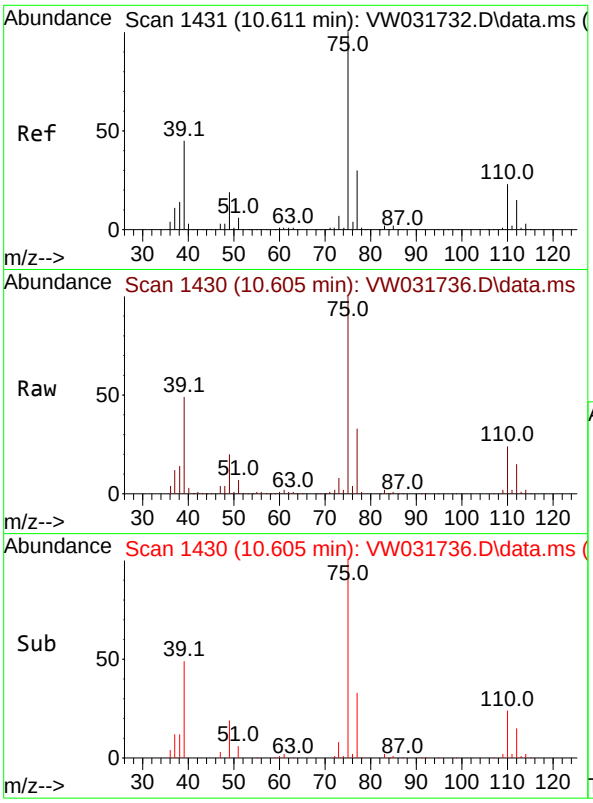


#52
Toluene
Concen: 54.503 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 92 Resp: 394923

Ion	Ratio	Lower	Upper
92	100		
91	169.4	139.5	209.3

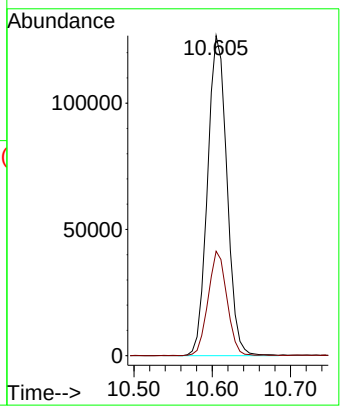




#53
t-1,3-Dichloropropene
Concen: 56.049 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 21776

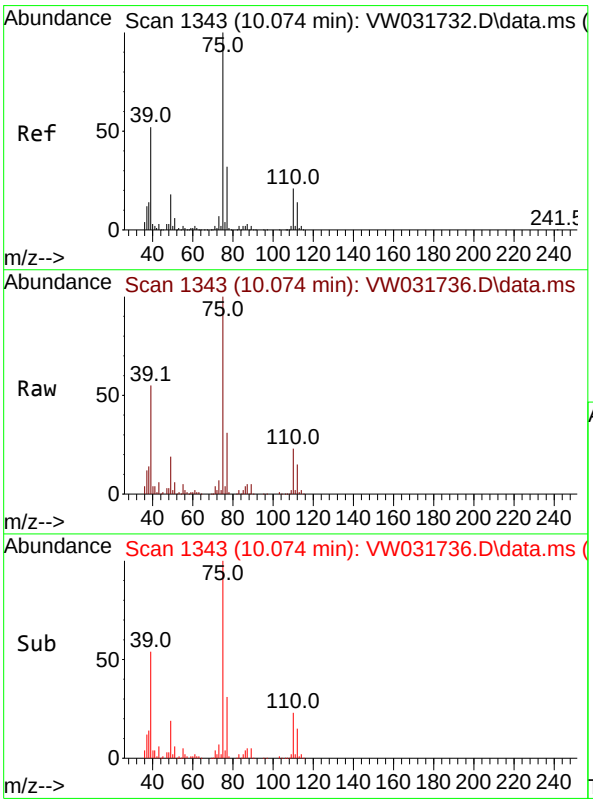
Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

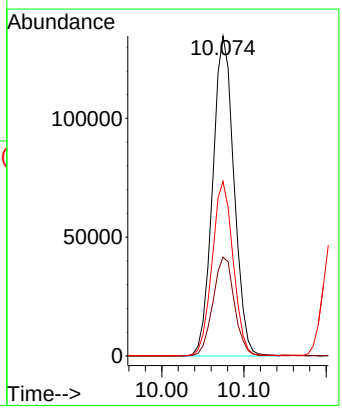
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

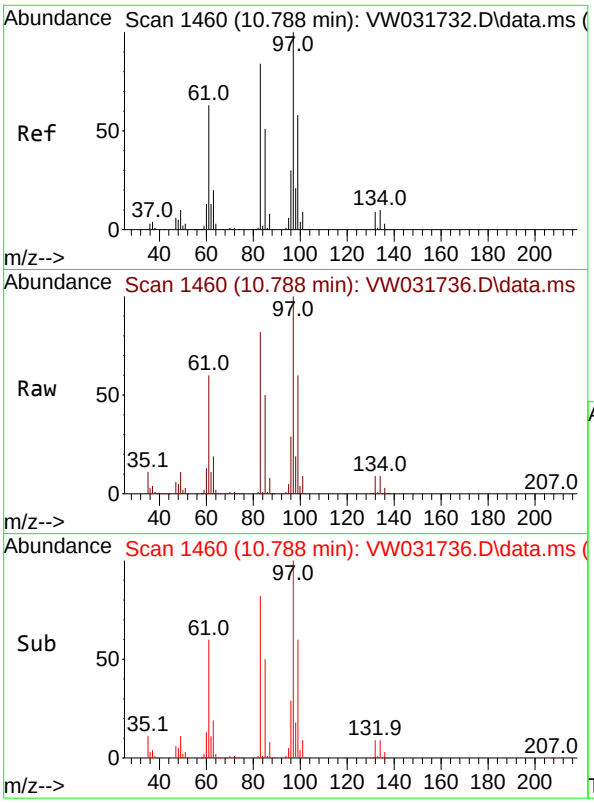


#54
cis-1,3-Dichloropropene
Concen: 55.157 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 242935

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	54.4	41.8	62.6

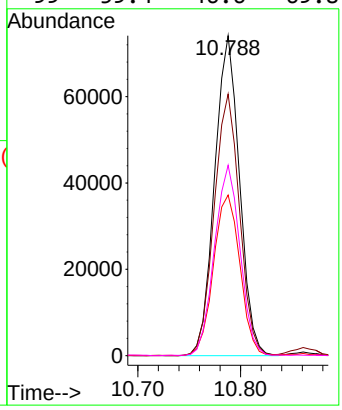




#55
1,1,2-Trichloroethane
Concen: 53.844 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 97 Resp: 12454

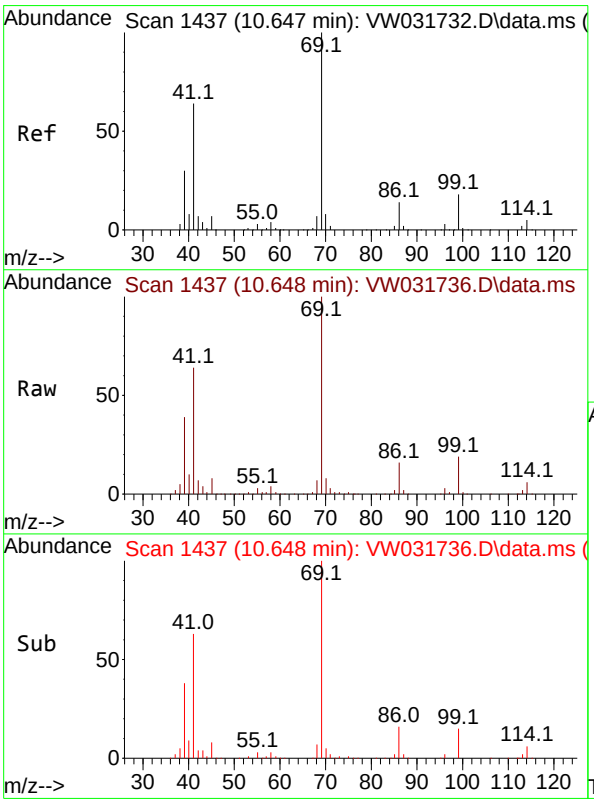
Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.9	100.3
85	50.2	41.1	61.7
99	59.4	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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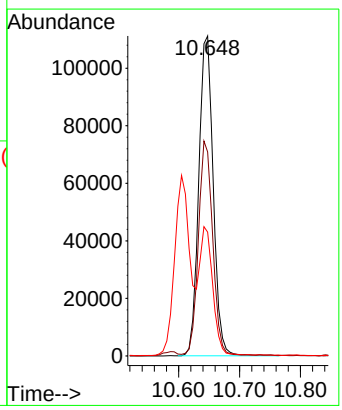
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

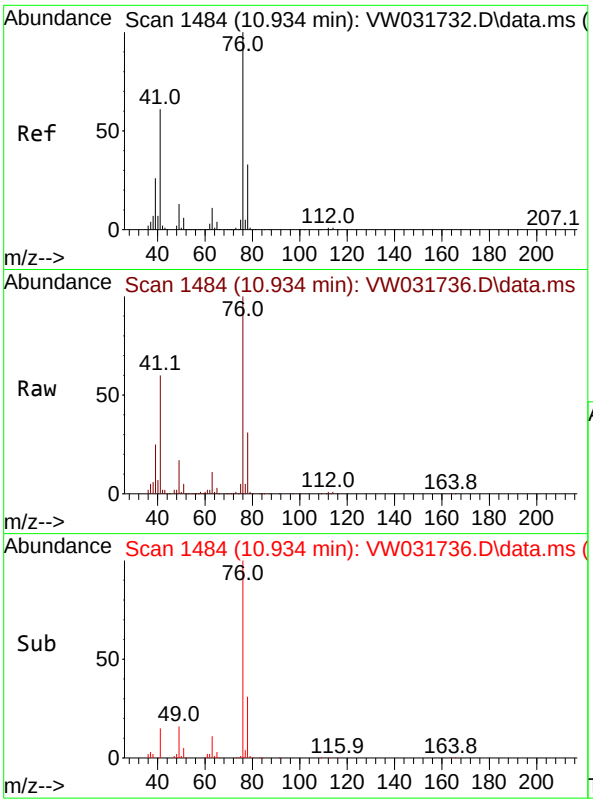


#56
Ethyl methacrylate
Concen: 58.189 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 69 Resp: 182604

Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.3	79.9
39	35.4	30.2	45.2





#57
1,3-Dichloropropane
Concen: 51.971 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

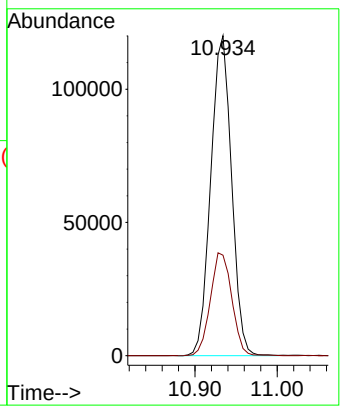
Tgt Ion: 76 Resp: 21106

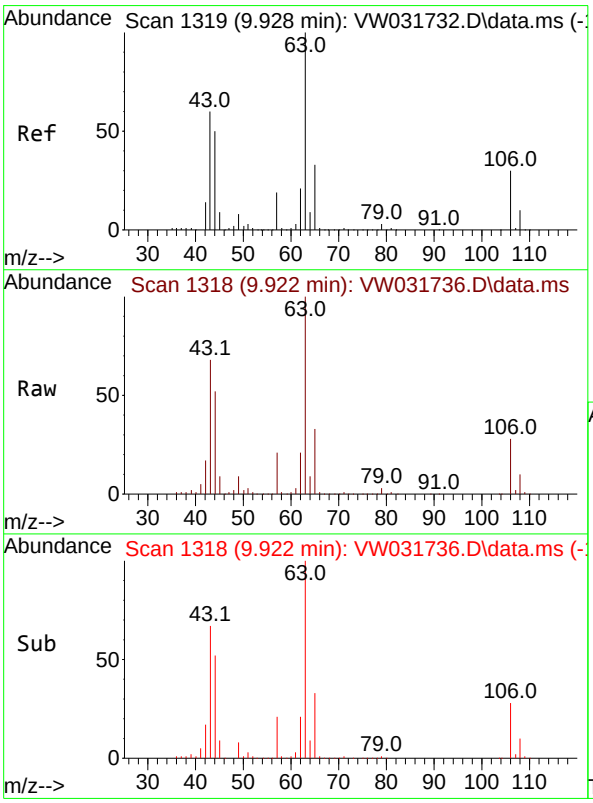
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

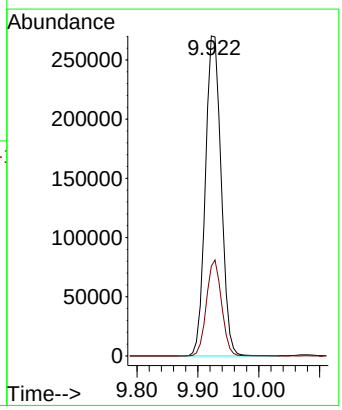


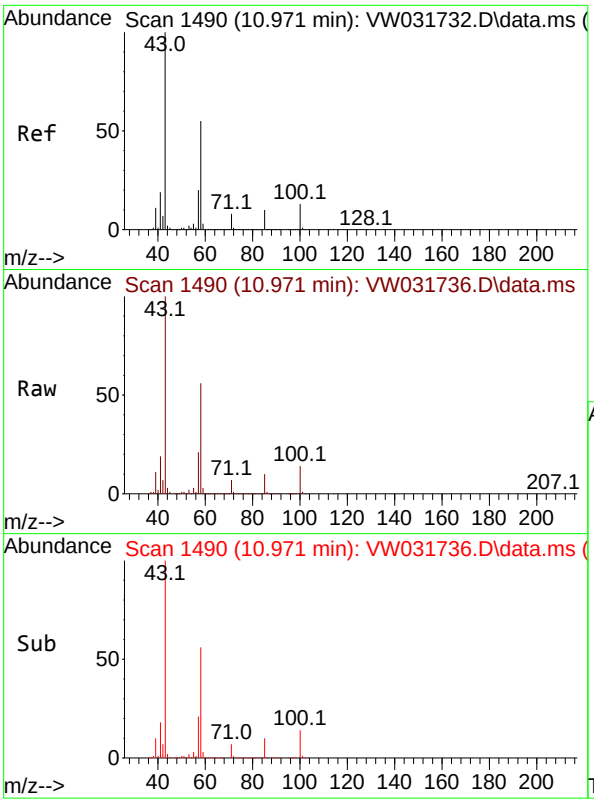


#58
2-Chloroethyl Vinyl ether
Concen: 281.479 ug/l
RT: 9.922 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 486398

Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.1	36.1

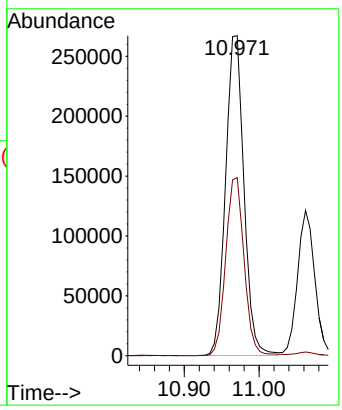




#59
2-Hexanone
Concen: 282.722 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 45813

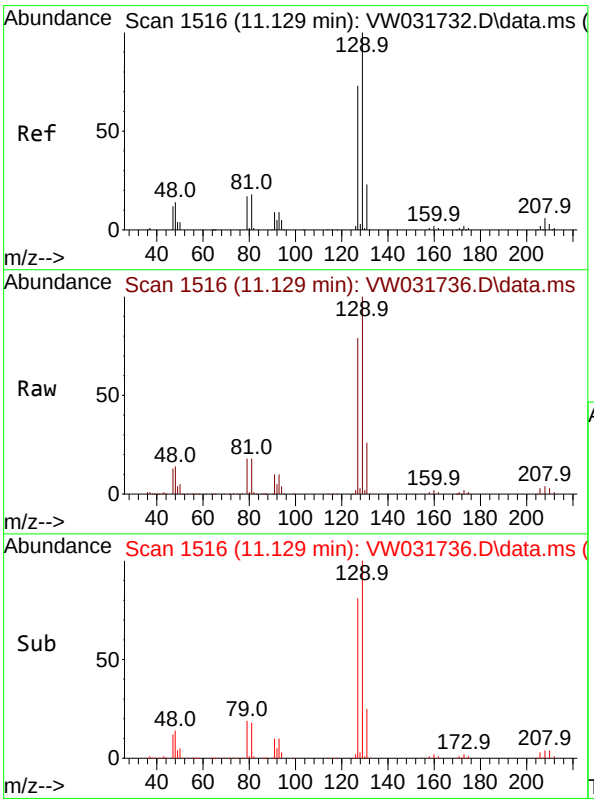
Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.9	83.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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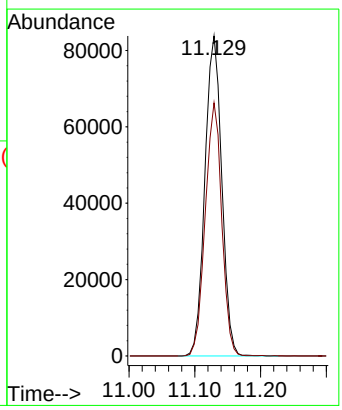
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

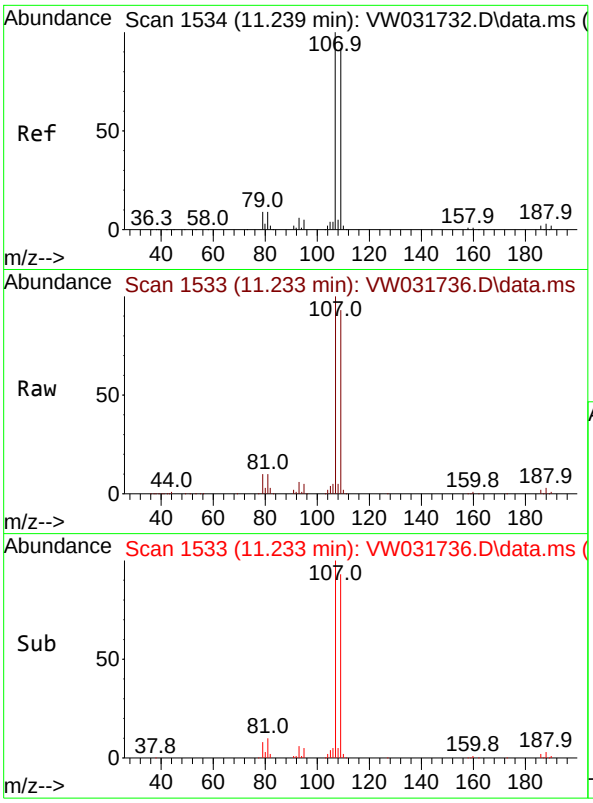


#60
Dibromochloromethane
Concen: 53.973 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:129 Resp: 149294

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.0	114.1

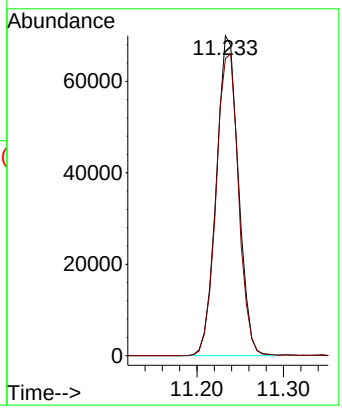




#61
1,2-Dibromoethane
Concen: 53.440 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:107 Resp: 12374

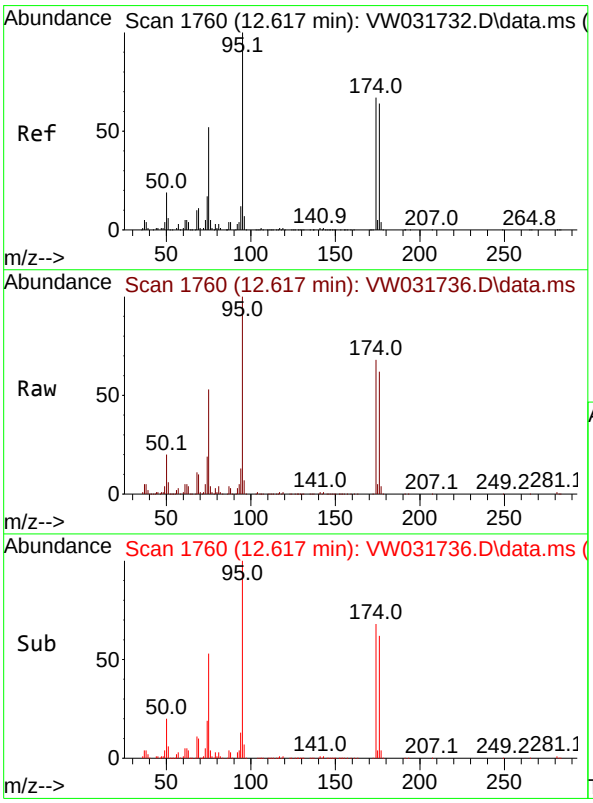
Ion	Ratio	Lower	Upper
107	100		
109	96.0	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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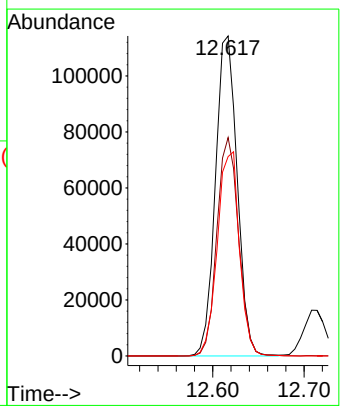
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

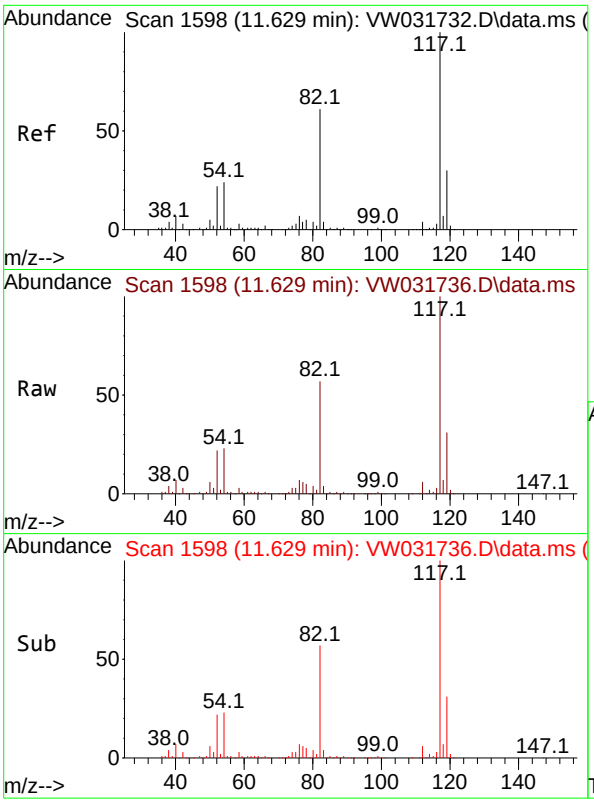


#62
4-Bromofluorobenzene
Concen: 52.265 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 95 Resp: 189206

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	133.8
176	64.9	0.0	126.0

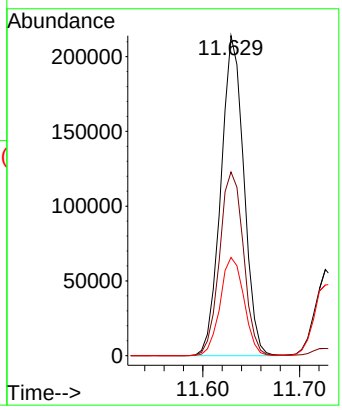




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:117 Resp: 35236

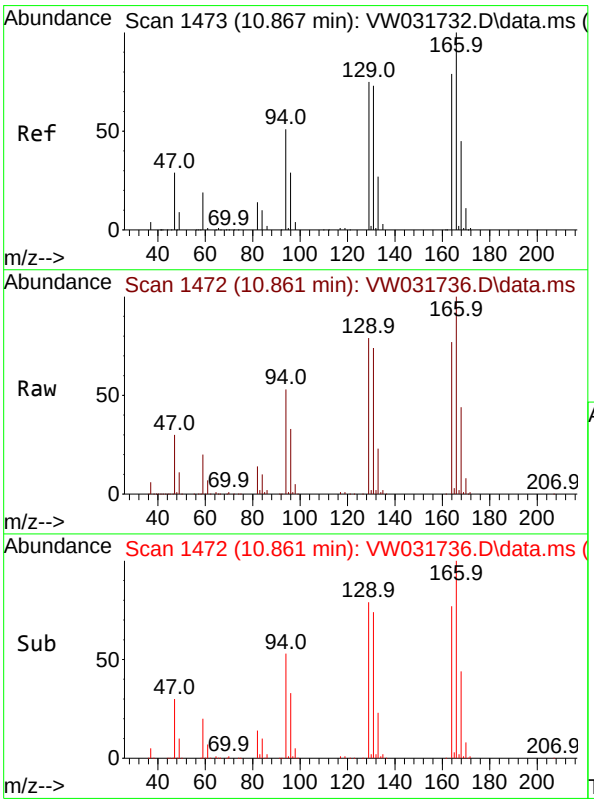
Ion	Ratio	Lower	Upper
117	100		
82	57.4	48.6	72.8
119	30.7	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

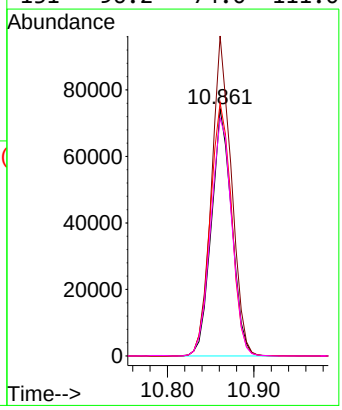
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

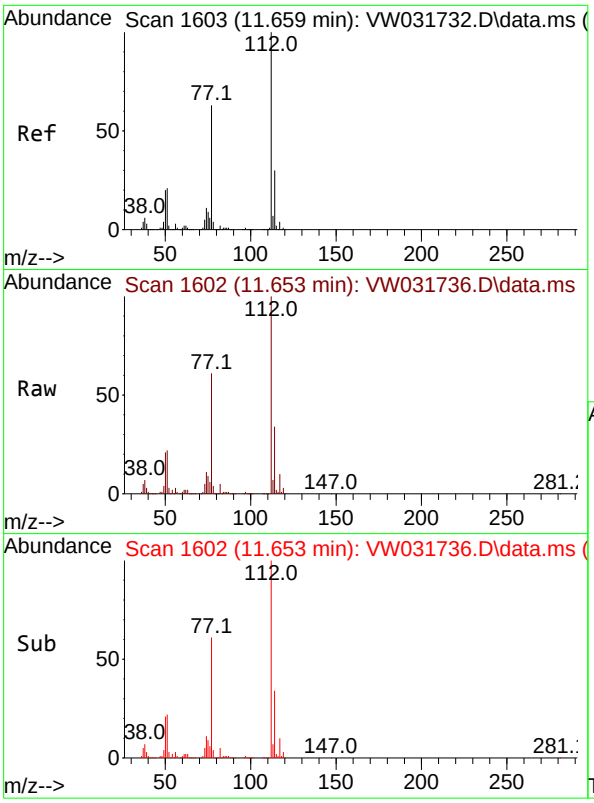


#64
Tetrachloroethene
Concen: 52.421 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:164 Resp: 120824

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.7	151.1
129	102.5	75.4	113.0
131	96.2	74.0	111.0

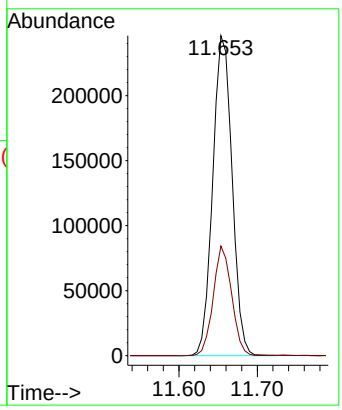




#65
Chlorobenzene
Concen: 54.443 ug/l
RT: 11.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:112 Resp: 42325

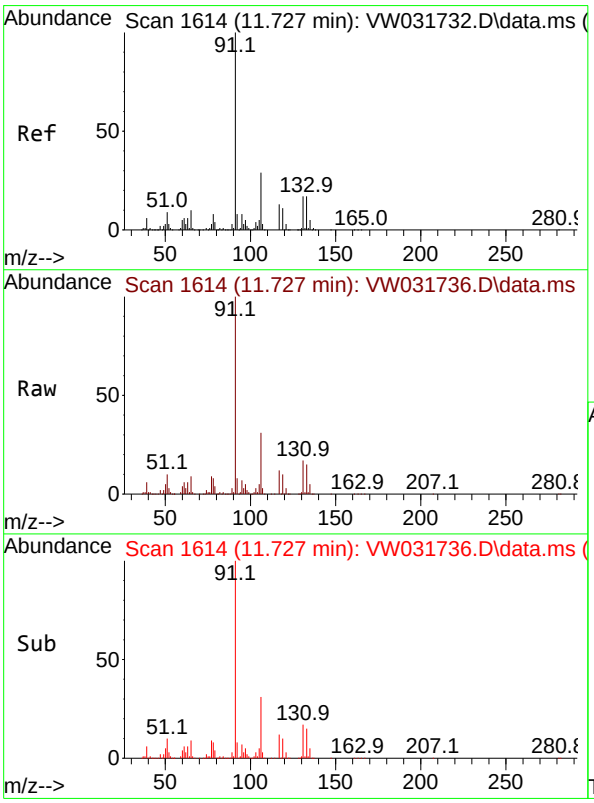
Ion	Ratio	Lower	Upper
112	100		
114	34.3	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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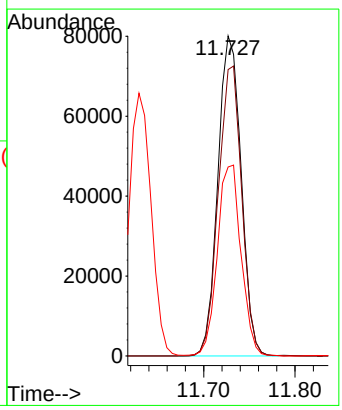
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

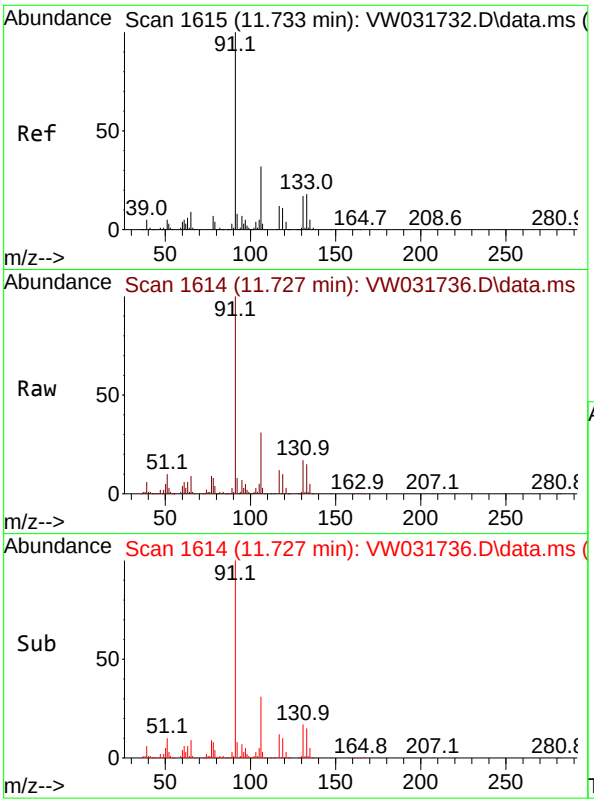


#66
1,1,1,2-Tetrachloroethane
Concen: 57.176 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:131 Resp: 141650

Ion	Ratio	Lower	Upper
131	100		
133	91.3	48.5	145.6
119	61.0	32.5	97.5

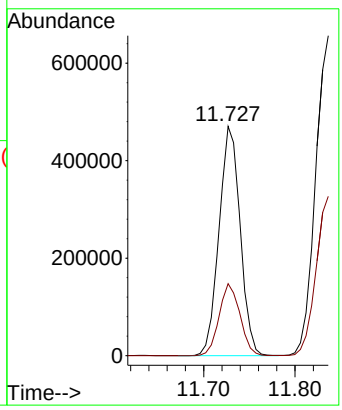




#67
Ethyl Benzene
Concen: 56.161 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 75710

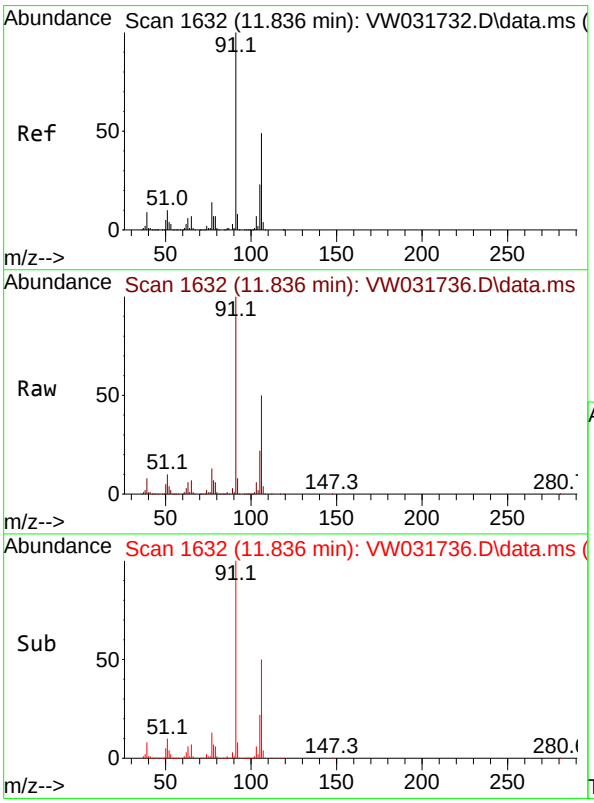
Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

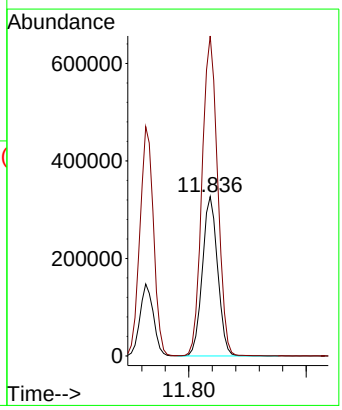
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

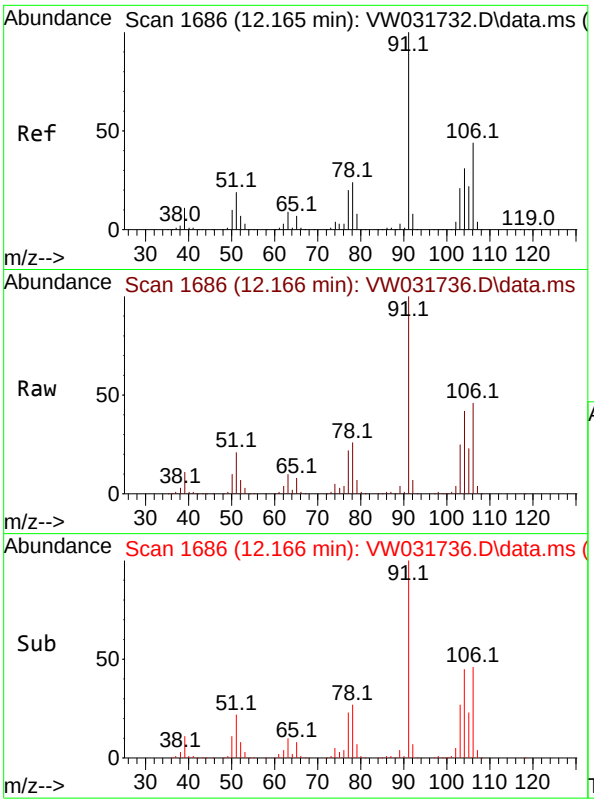


#68
m/p-Xylenes
Concen: 113.903 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:106 Resp: 590281

Ion	Ratio	Lower	Upper
106	100		
91	204.7	166.4	249.6





#69
o-Xylene
Concen: 57.208 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

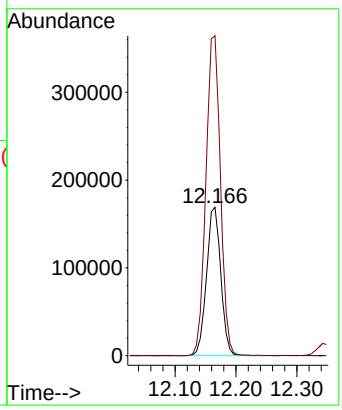
Tgt Ion:106 Resp: 27449

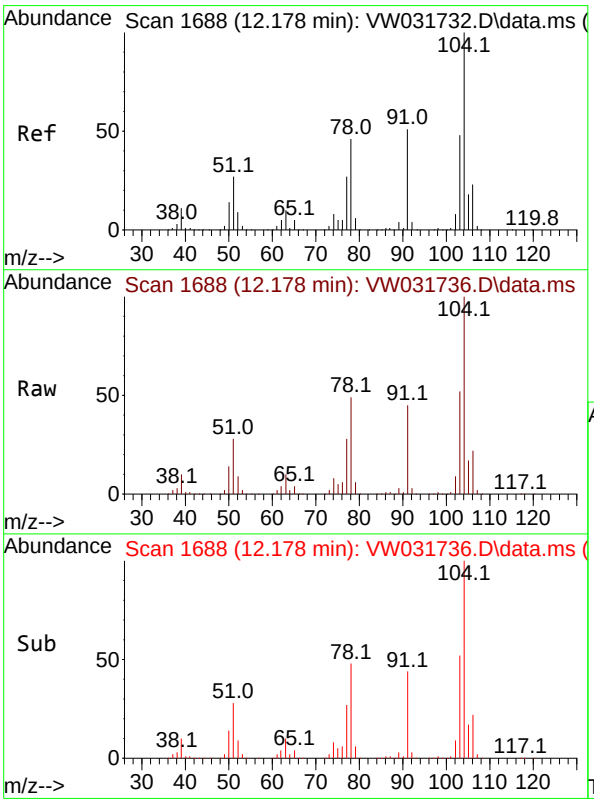
Ion	Ratio	Lower	Upper
106	100		
91	219.7	111.5	334.4

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

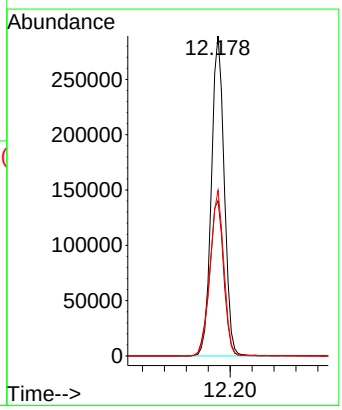


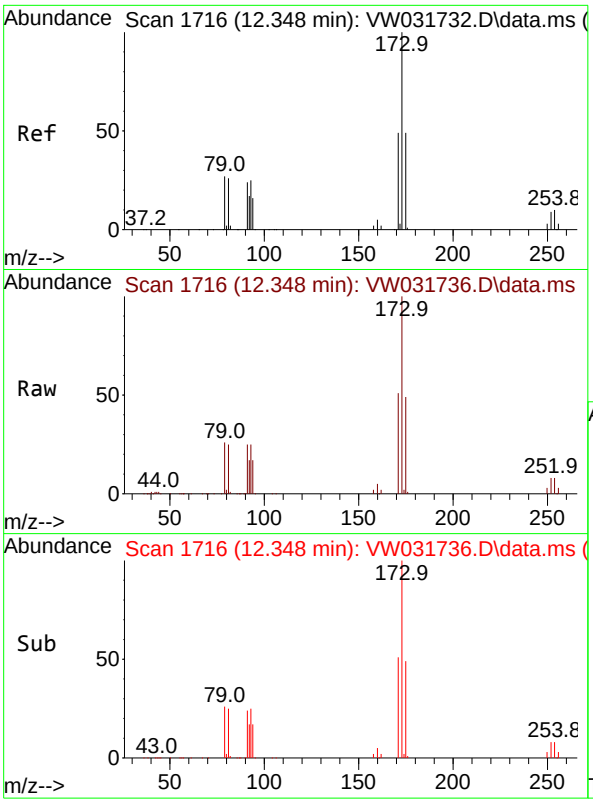


#70
Styrene
Concen: 56.574 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:104 Resp: 469288

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.1	63.1
103	54.9	43.0	64.6

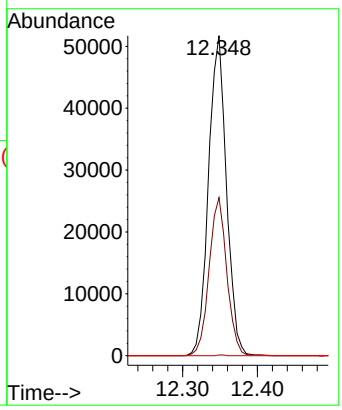




#71
Bromoform
Concen: 58.331 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:173 Resp: 8620

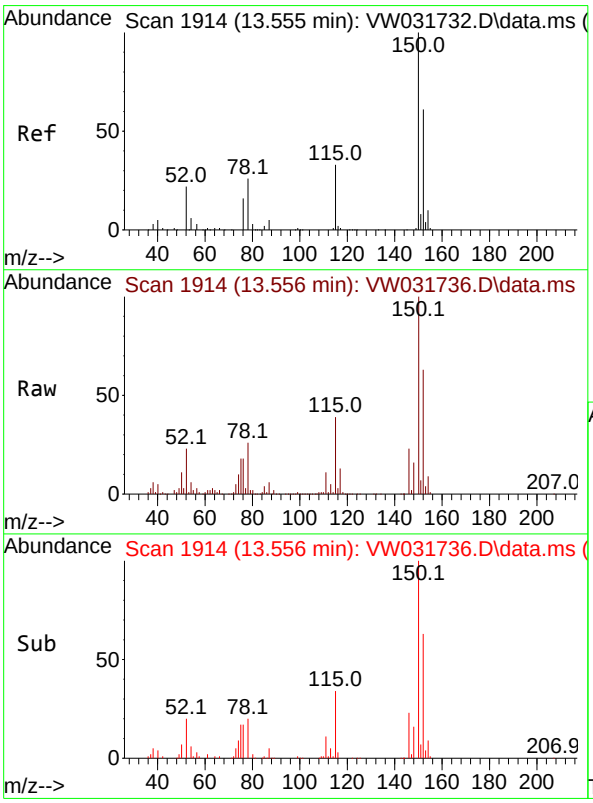
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.1	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

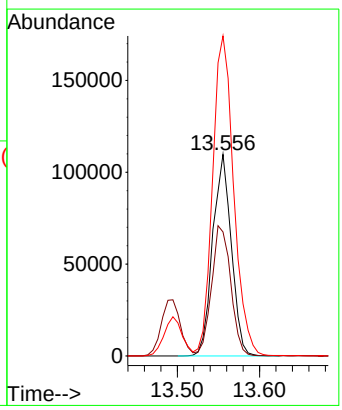
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

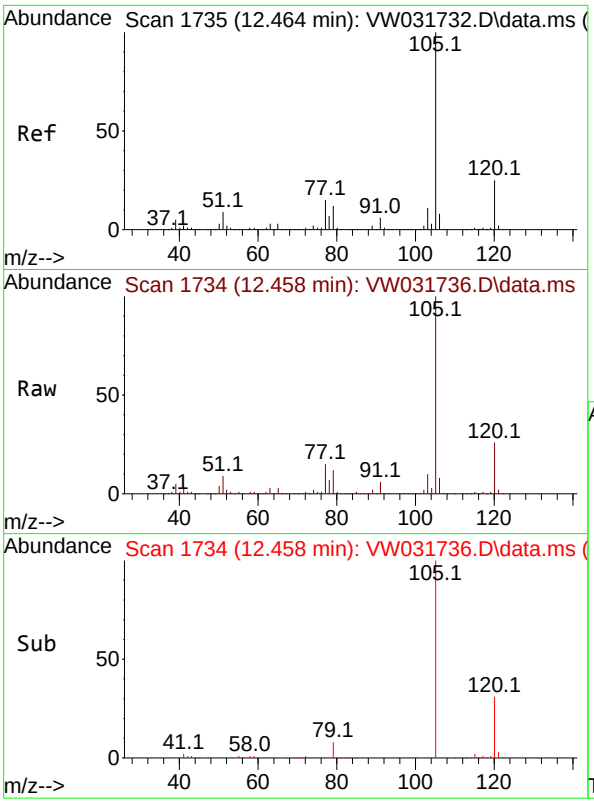


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:152 Resp: 172405

Ion	Ratio	Lower	Upper
152	100		
115	66.4	31.9	95.7
150	179.9	0.0	356.4

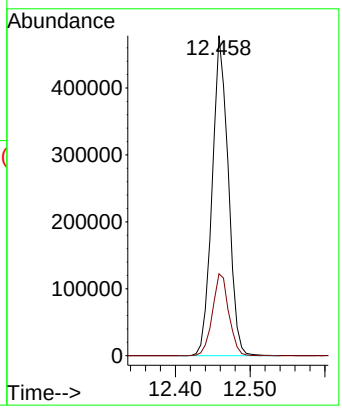




#73
Isopropylbenzene
Concen: 54.594 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 71594

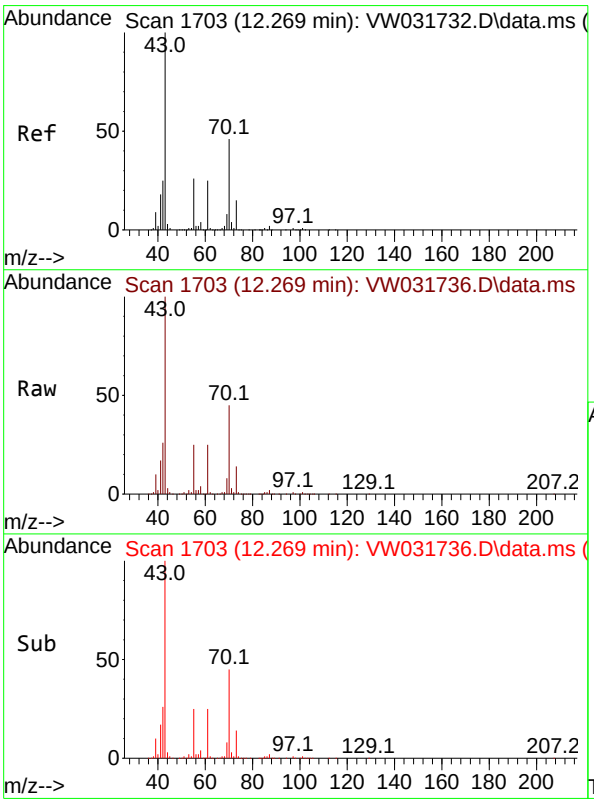
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

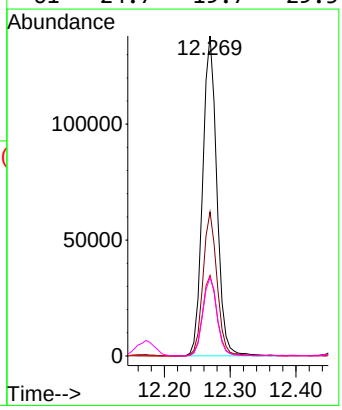
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

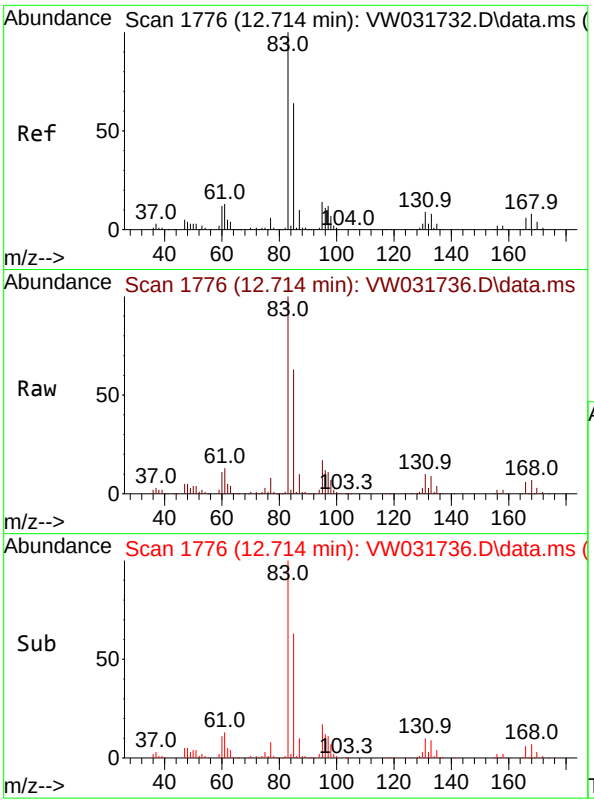


#74
N-amyl acetate
Concen: 58.715 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 207540

Ion	Ratio	Lower	Upper
43	100		
70	44.5	36.0	54.0
55	25.5	20.8	31.2
61	24.7	19.7	29.5

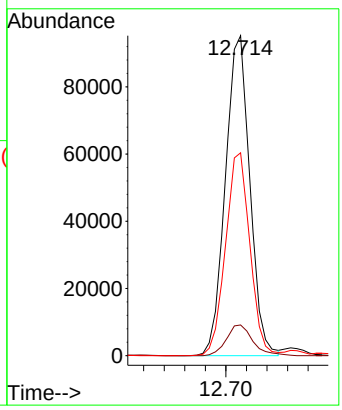




#75
1,1,2,2-Tetrachloroethane
Concen: 54.047 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 83 Resp: 15735

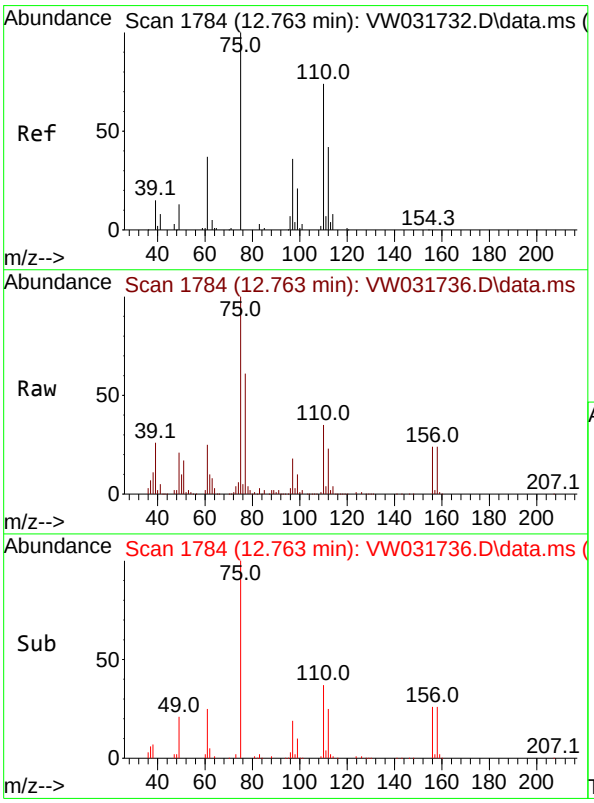
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	63.2	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

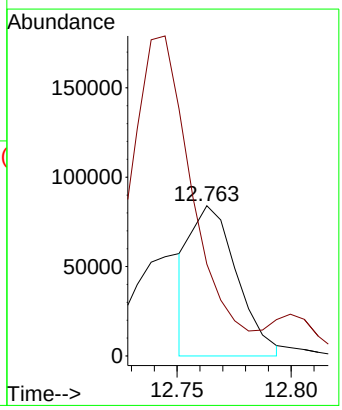
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

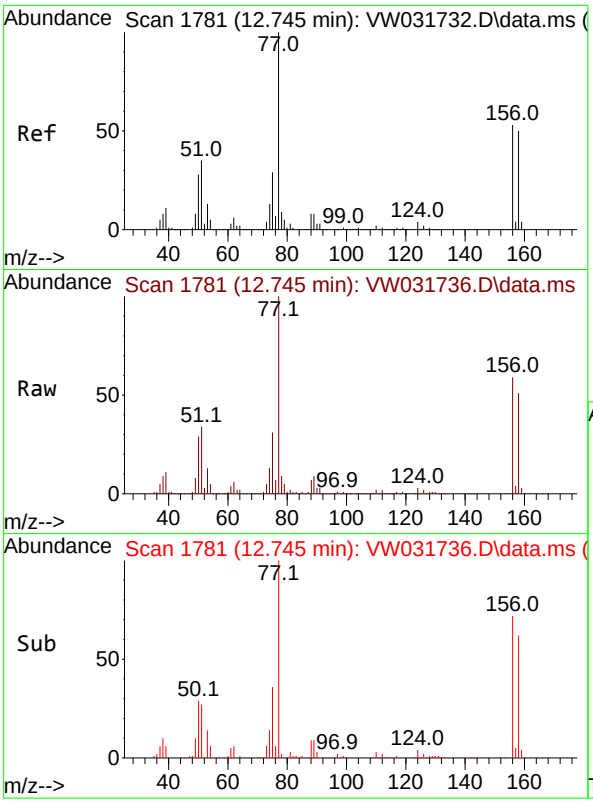


#76
1,2,3-Trichloropropane
Concen: 53.142 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 118399

Ion	Ratio	Lower	Upper
75	100		
77	287.3	141.2	423.6

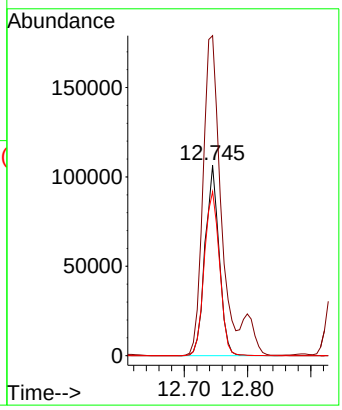




#77
Bromobenzene
Concen: 56.175 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:156 Resp: 16430

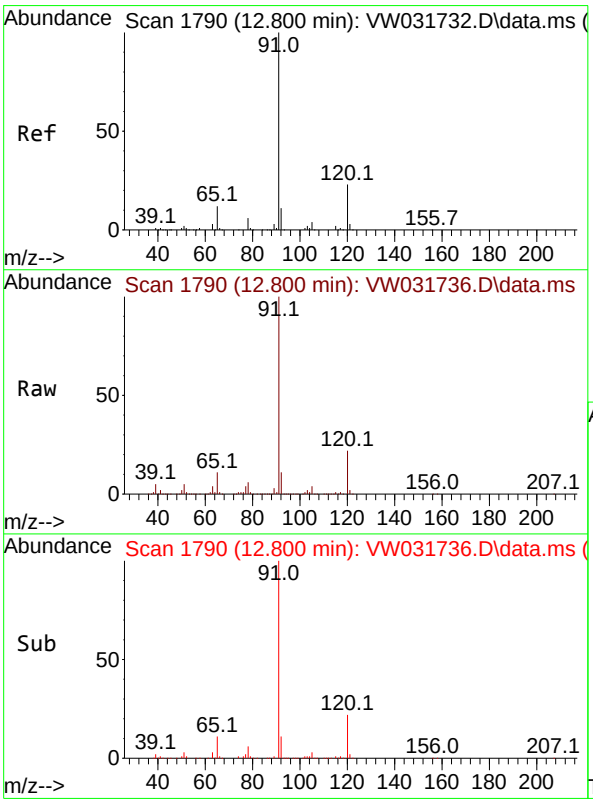
Ion	Ratio	Lower	Upper
156	100		
77	207.0	117.9	353.7
158	93.8	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

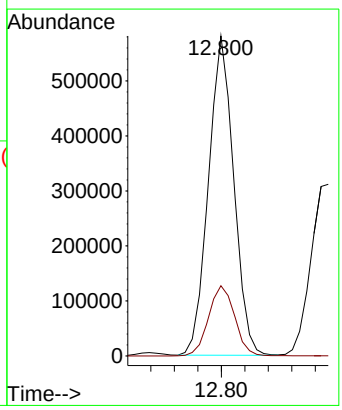
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

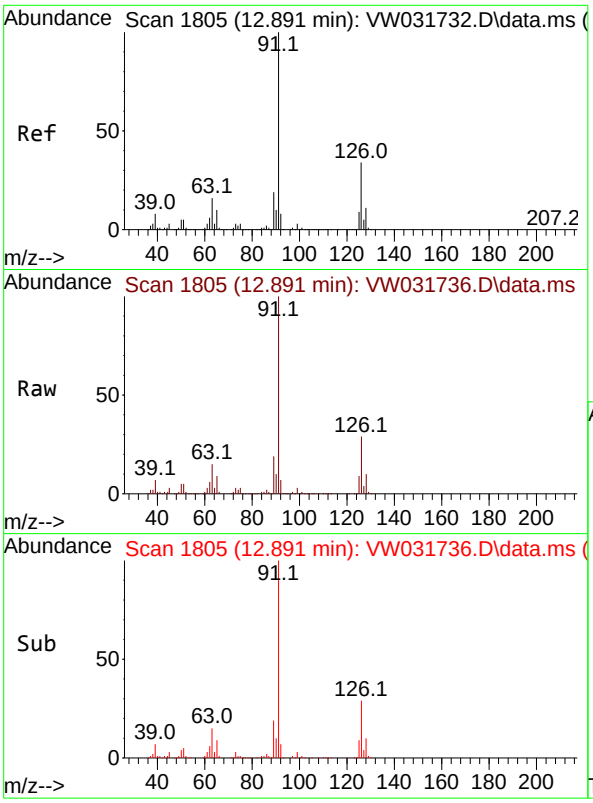


#78
n-propylbenzene
Concen: 55.325 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 868816

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4

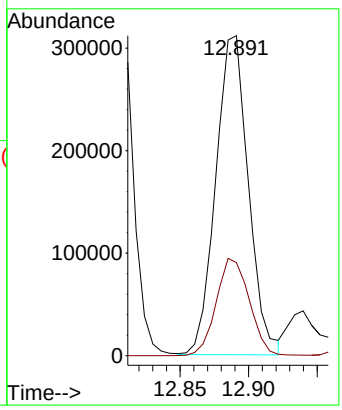




#79
2-Chlorotoluene
Concen: 54.514 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 51550

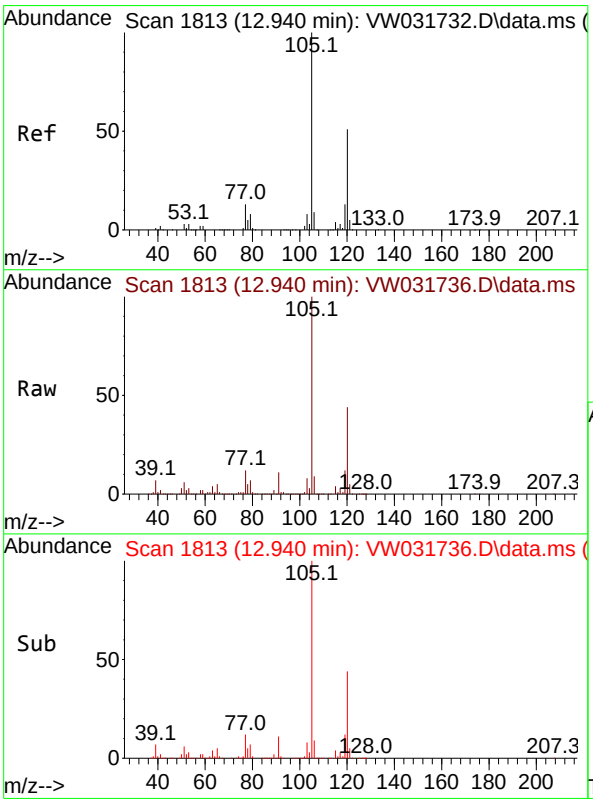
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

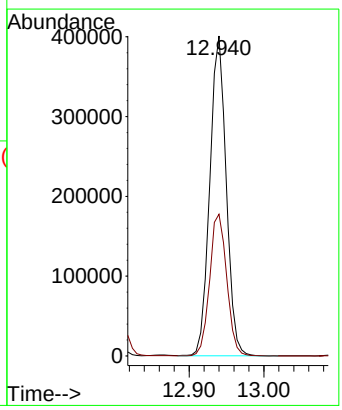
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

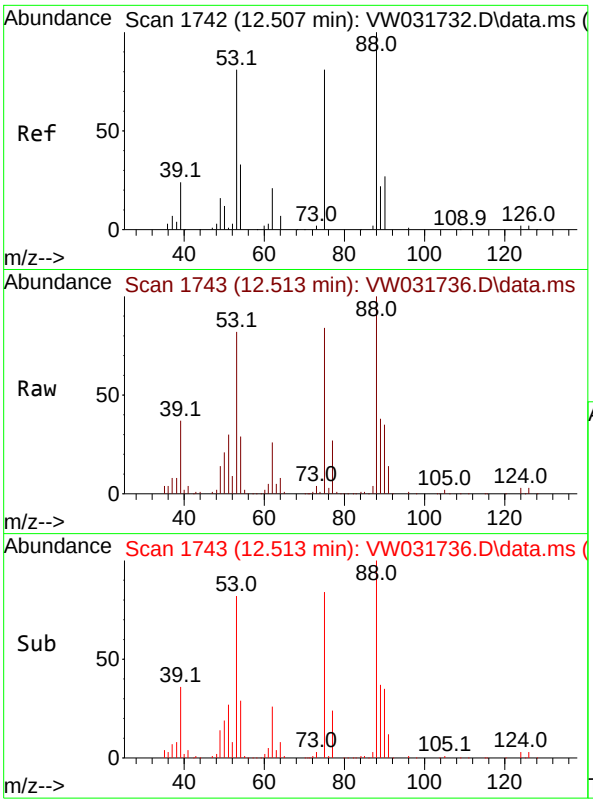


#80
1,3,5-Trimethylbenzene
Concen: 56.260 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 610714

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 57.276 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

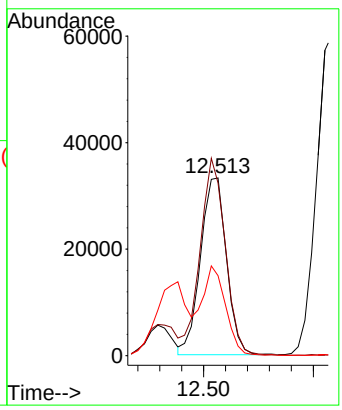
Tgt Ion: 75 Resp: 5478

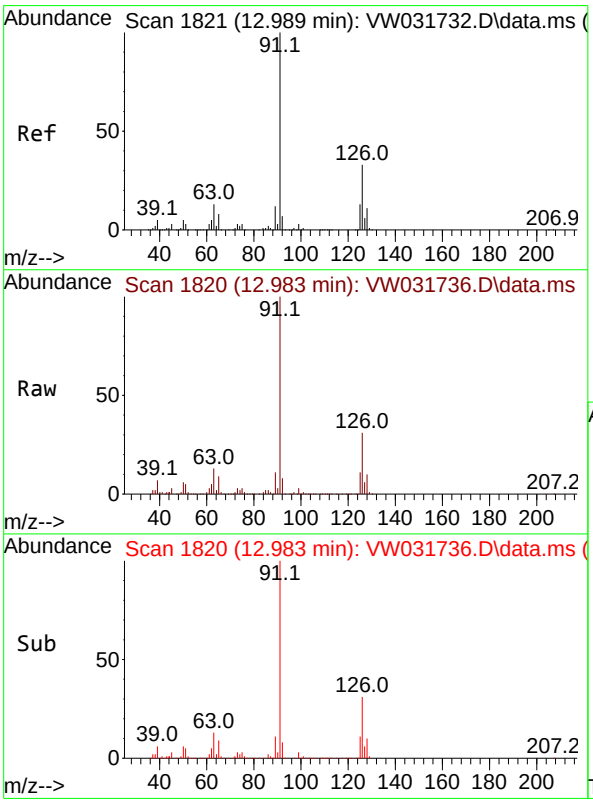
Ion	Ratio	Lower	Upper
75	100		
53	108.5	83.5	125.3
89	46.6	38.3	57.5

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

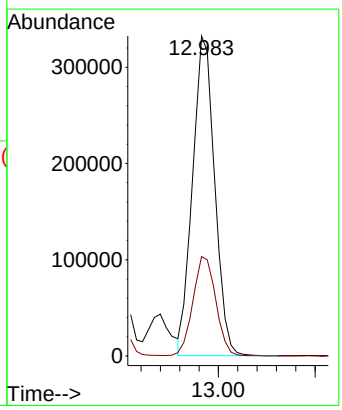


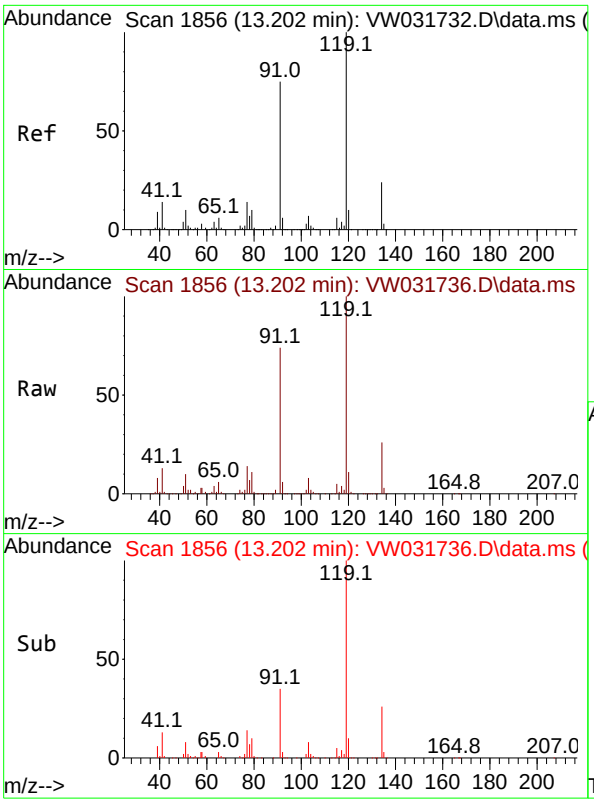


#82
4-Chlorotoluene
Concen: 53.189 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 528072

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9

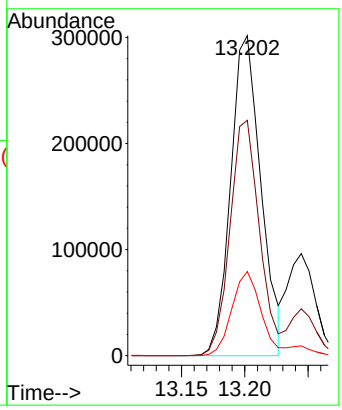




#83
tert-Butylbenzene
Concen: 53.999 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:119 Resp: 50210

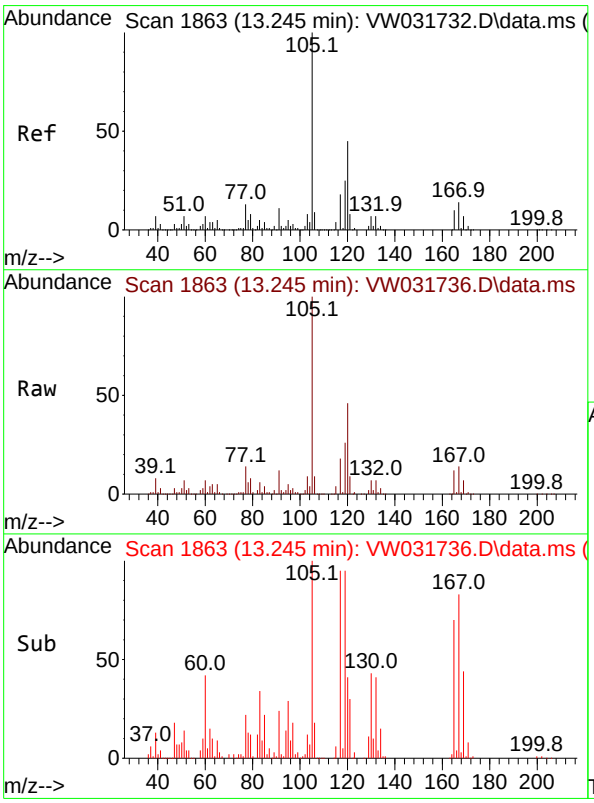
Ion	Ratio	Lower	Upper
119	100		
91	71.4	36.0	108.1
134	25.5	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

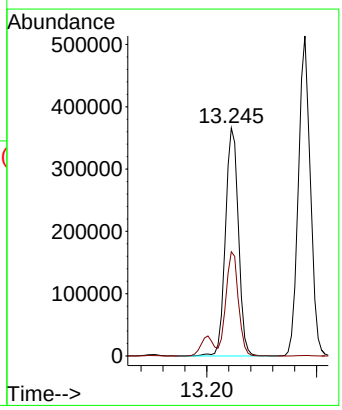
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

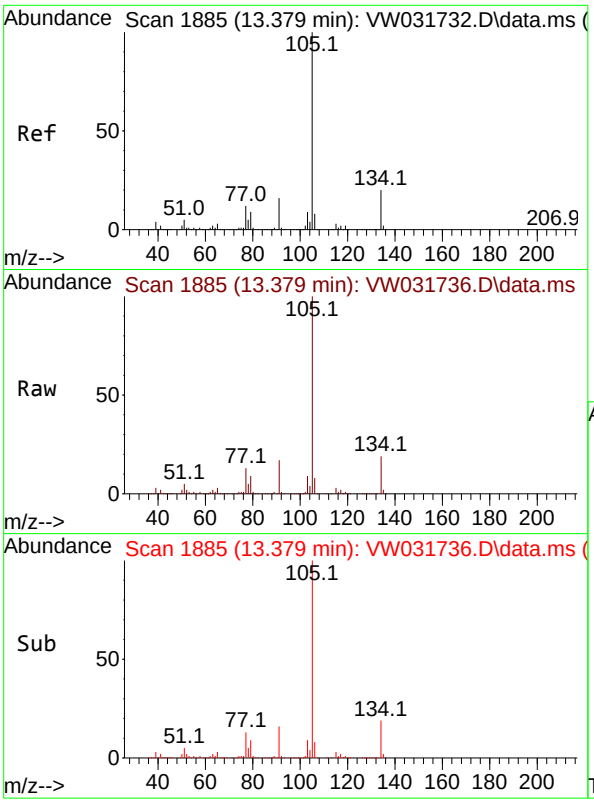


#84
1,2,4-Trimethylbenzene
Concen: 54.815 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 602889

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1

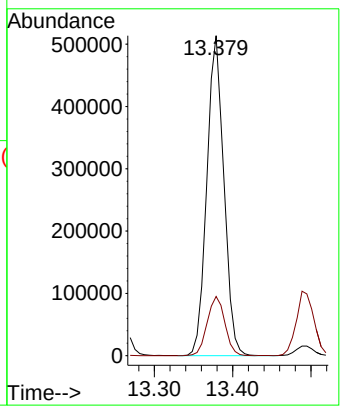




#85
sec-Butylbenzene
Concen: 55.450 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 77390

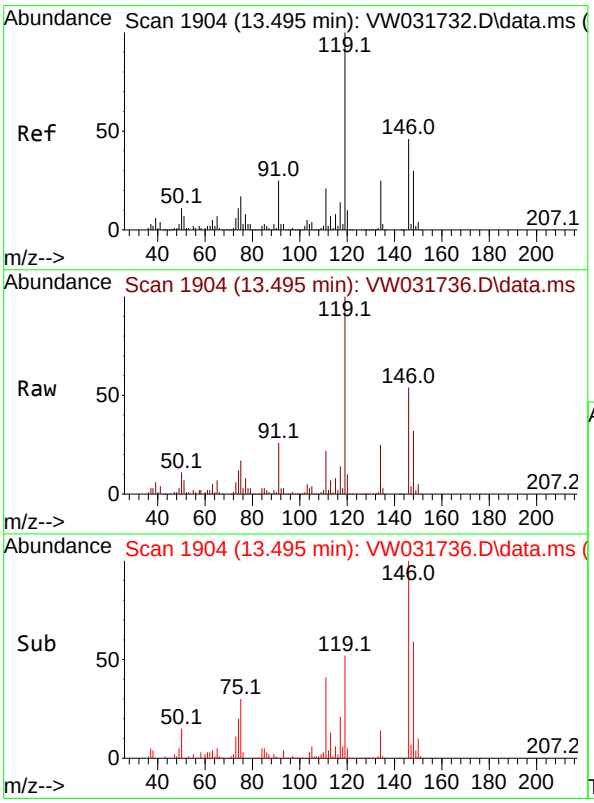
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations
APPROVED

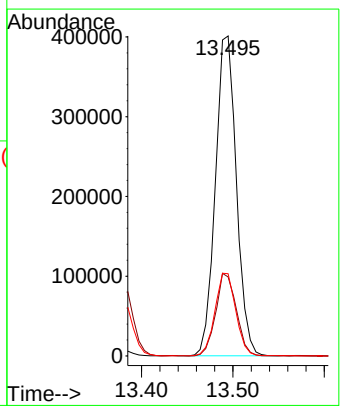
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

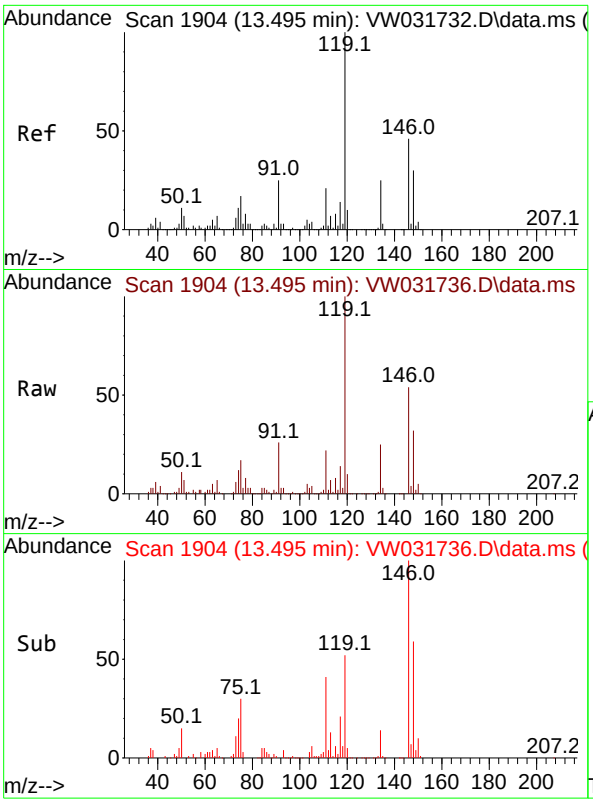


#86
p-Isopropyltoluene
Concen: 55.591 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:119 Resp: 639419

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	25.6	12.7	38.0

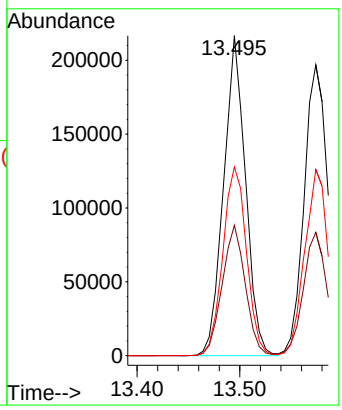




#87
1,3-Dichlorobenzene
Concen: 54.762 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:146 Resp: 32121

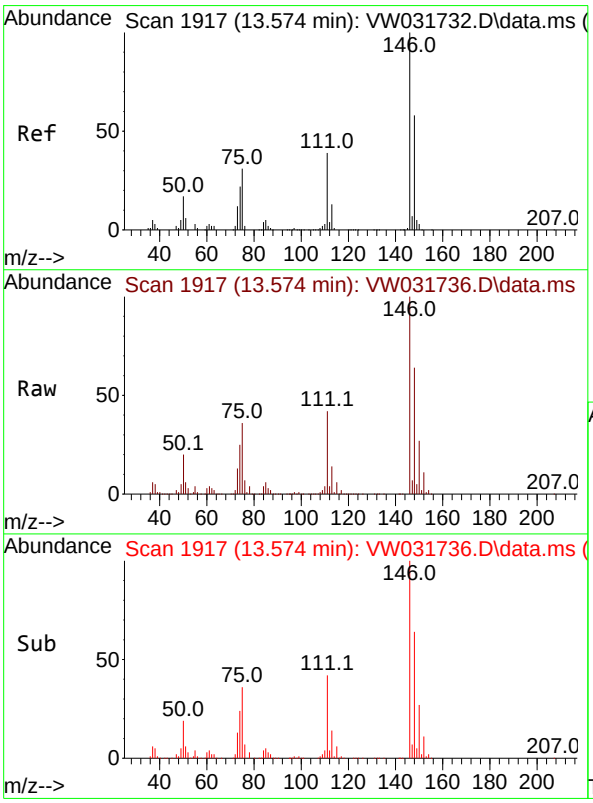
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.3	66.9
148	63.8	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

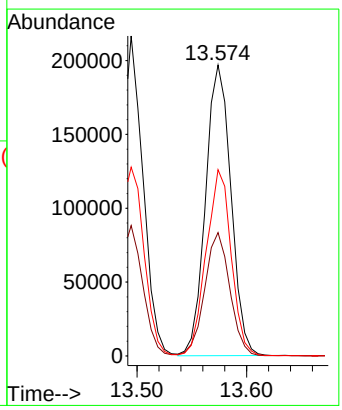
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

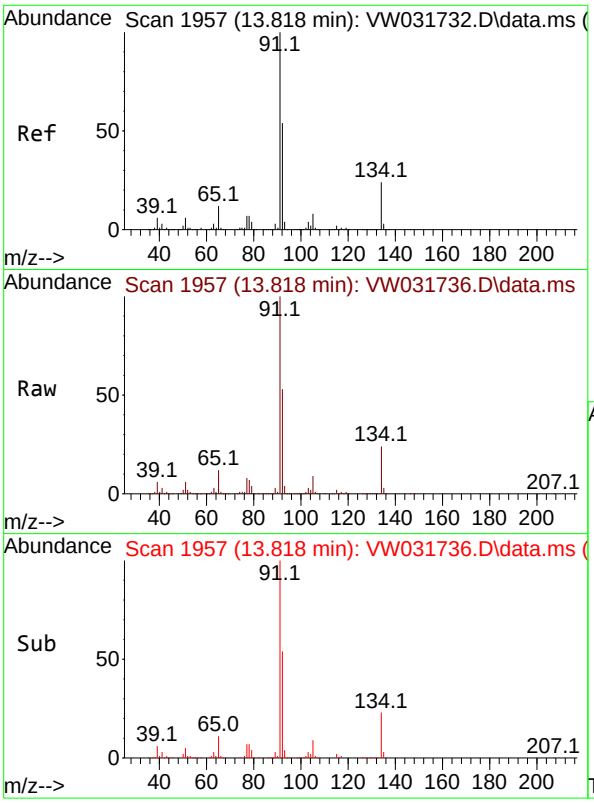


#88
1,4-Dichlorobenzene
Concen: 52.771 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:146 Resp: 316827

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.4	30.2	90.6

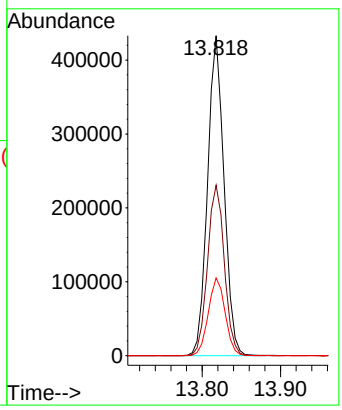




#89
n-Butylbenzene
Concen: 56.443 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 63079

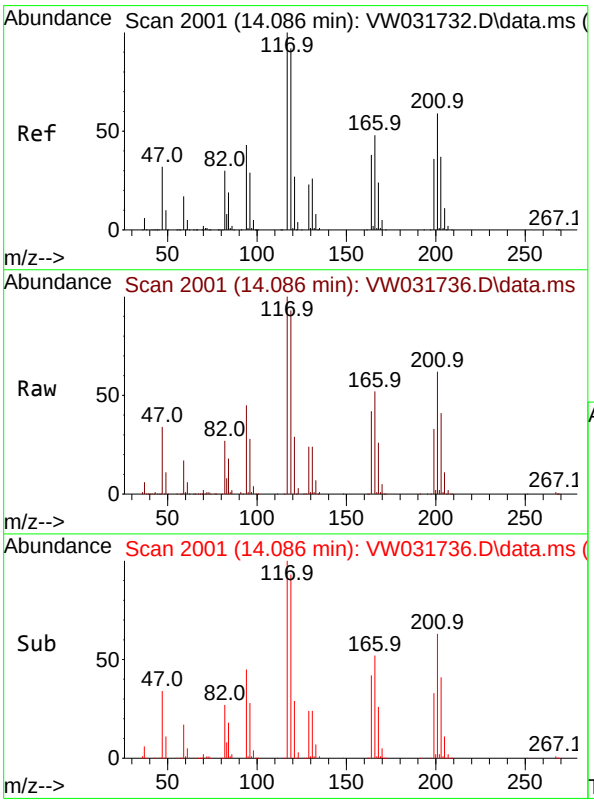
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.5
134	24.9	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

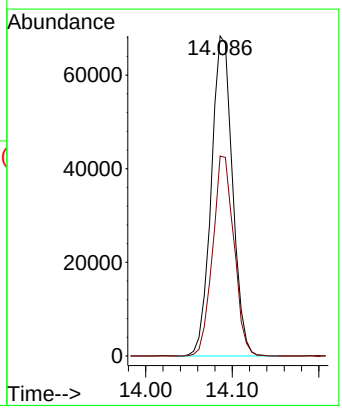
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

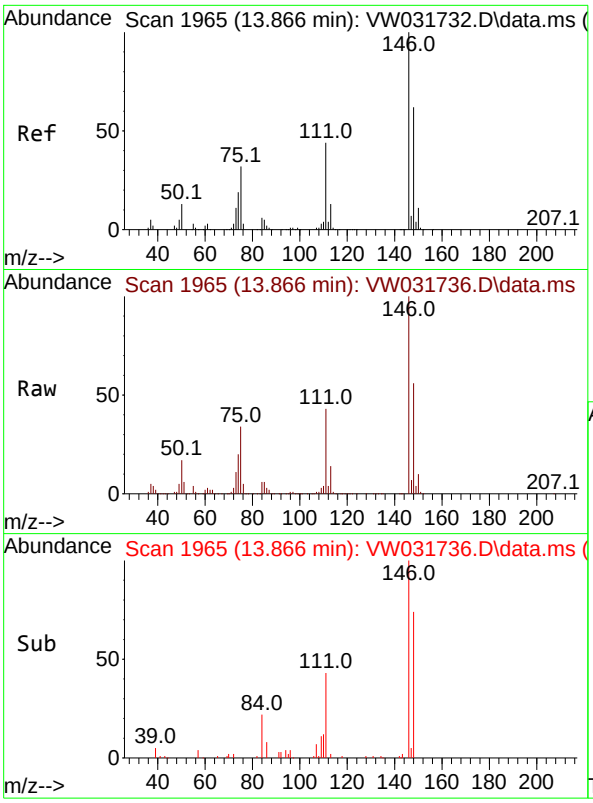


#90
Hexachloroethane
Concen: 56.049 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:117 Resp: 116309

Ion	Ratio	Lower	Upper
117	100		
201	62.7	31.1	93.3

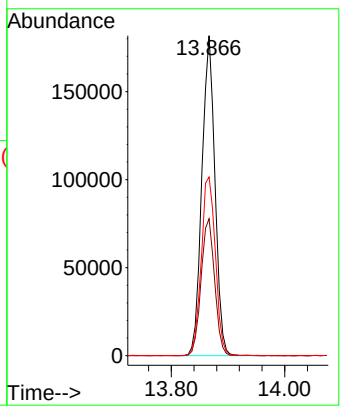




#91
1,2-Dichlorobenzene
Concen: 54.274 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:146 Resp: 29097

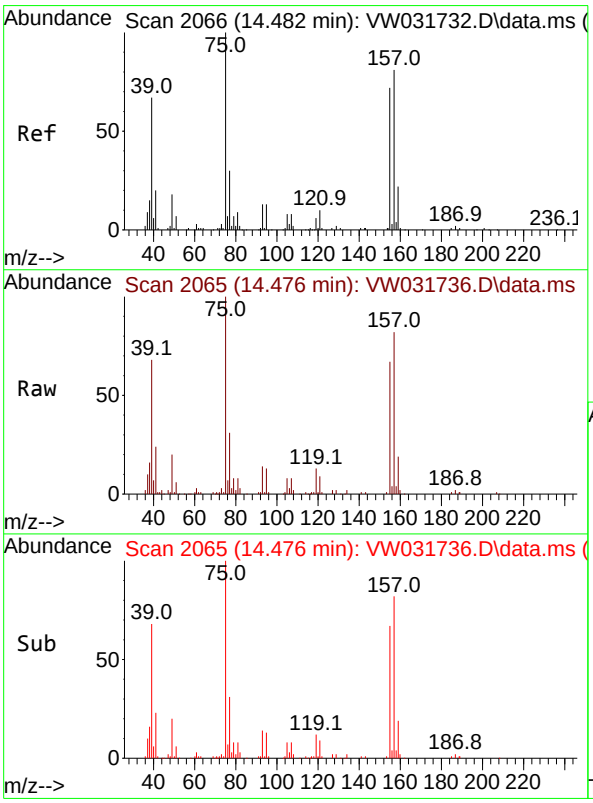
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.7	65.1
148	60.3	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

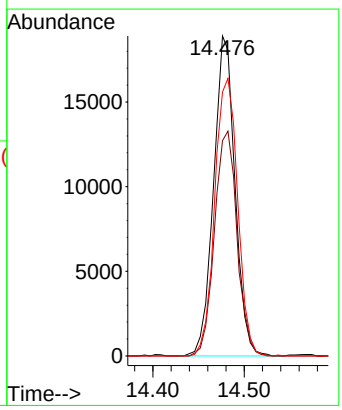
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

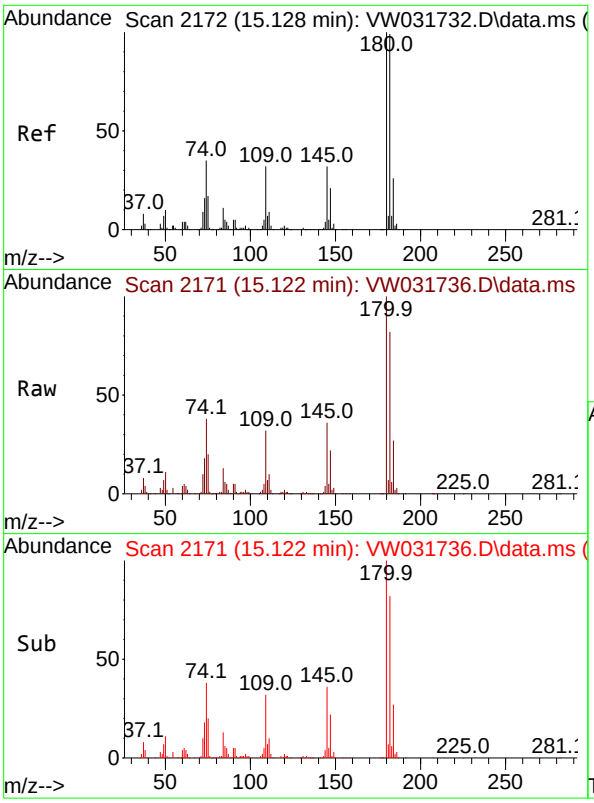


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.174 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 30797

Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.2	111.6
157	92.6	45.6	136.9

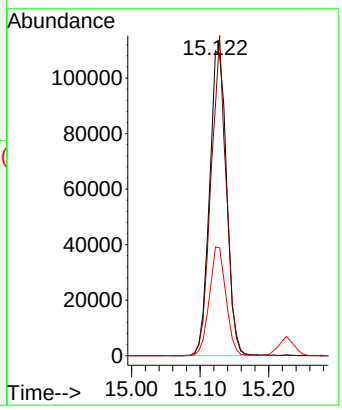




#93
1,2,4-Trichlorobenzene
Concen: 57.742 ug/l
RT: 15.122 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:180 Resp: 19091

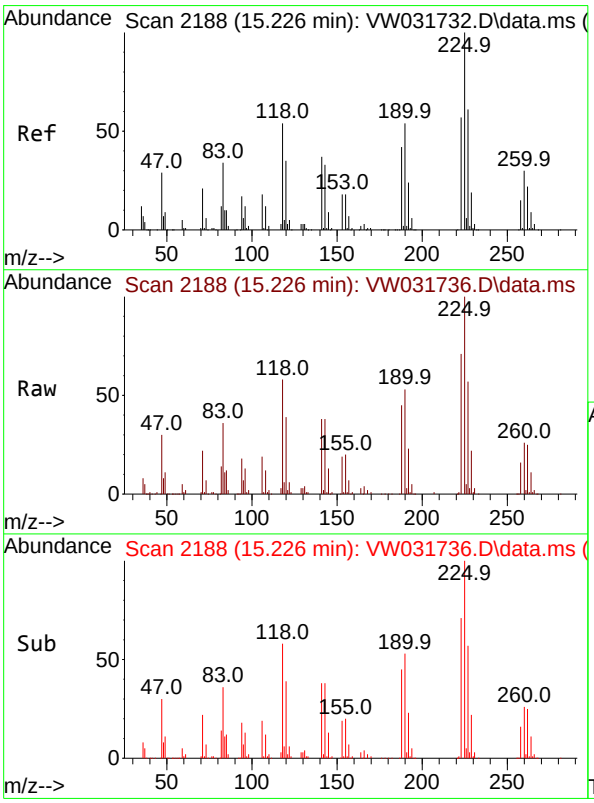
Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.6	145.9
145	34.5	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

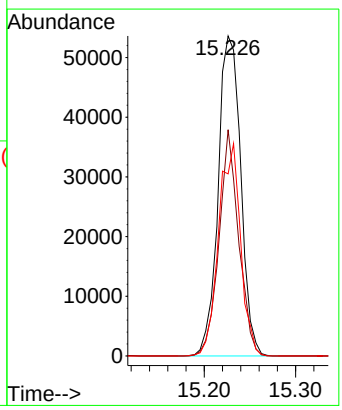
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

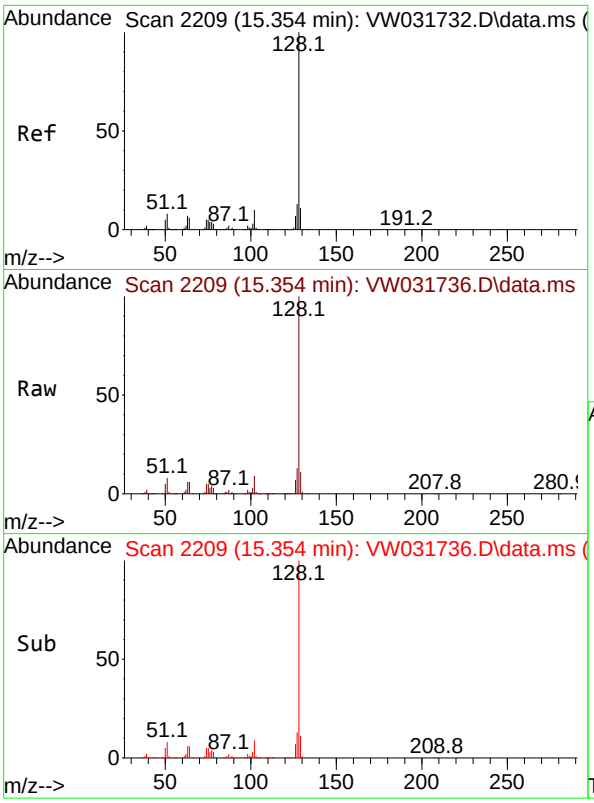


#94
Hexachlorobutadiene
Concen: 57.772 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:225 Resp: 92237

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.6	97.8
227	64.4	37.3	111.8

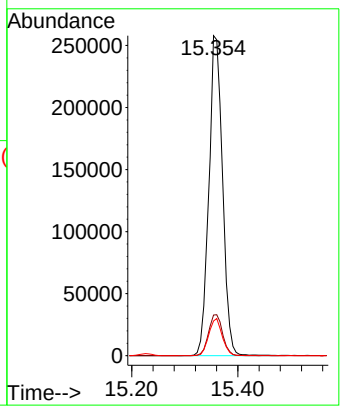




#95
Naphthalene
Concen: 56.915 ug/l
RT: 15.354 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:128 Resp: 46135

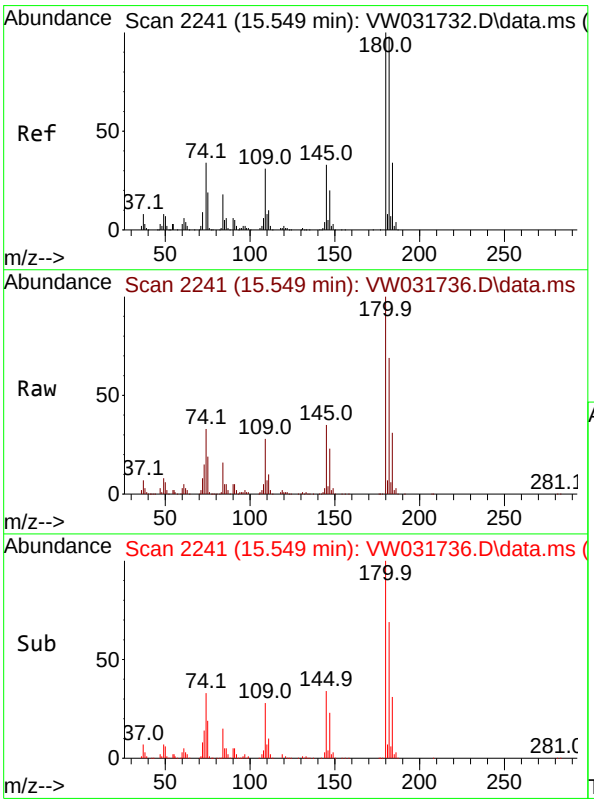
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.4	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Manual Integrations APPROVED

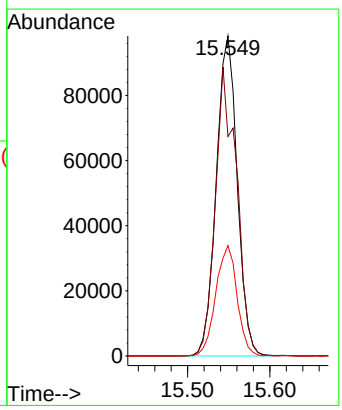
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#96
1,2,3-Trichlorobenzene
Concen: 57.366 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:180 Resp: 174283

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.4	139.1
145	35.1	17.8	53.3



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2	T	Dichlorodifluoromethane	0.341	0.349	-2.3	115	0.00
3	P	Chloromethane	0.411	0.421	-2.4	114	0.00
4	C	Vinyl Chloride	0.540	0.564	-4.4#	112	0.00
5	T	Bromomethane	0.421	0.414	1.7	106	0.00
6	T	Chloroethane	0.367	0.372	-1.4	109	0.00
7	T	Trichlorofluoromethane	0.490	0.450	8.2	98	0.00
8	T	Diethyl Ether	0.372	0.374	-0.5	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.544	0.556	-2.2	111	-0.01
10	T	Methyl Iodide	0.839	0.858	-2.3	107	0.00
11	T	Tert butyl alcohol	0.044	0.049	-11.4	106	0.00
12	CM	1,1-Dichloroethene	0.596	0.608	-2.0#	112	0.00
13	T	Acrolein	0.080	0.076	5.0	93	0.00
14	T	Allyl chloride	0.914	0.978	-7.0	111	0.00
15	T	Acrylonitrile	0.183	0.193	-5.5	103	0.00
16	T	Acetone	0.177	0.182	-2.8	114	0.00
17	T	Carbon Disulfide	1.594	1.629	-2.2	108	0.00
18	T	Methyl Acetate	0.507	0.484	4.5	93	0.00
19	T	Methyl tert-butyl Ether	1.011	1.091	-7.9	108	0.00
20	T	Methylene Chloride	0.814	0.726	10.8	107	0.00
21	T	trans-1,2-Dichloroethene	0.633	0.657	-3.8	109	0.00
22	T	Diisopropyl ether	1.783	1.905	-6.8	108	-0.01
23	T	Vinyl Acetate	1.218	1.363	-11.9	111	0.00
24	P	1,1-Dichloroethane	1.156	1.206	-4.3	110	0.00
25	T	2-Butanone	0.231	0.259	-12.1	106	0.00
26	T	2,2-Dichloropropane	0.674	0.691	-2.5	107	-0.01
27	T	cis-1,2-Dichloroethene	0.728	0.767	-5.4	109	0.00
28	T	Bromochloromethane	0.510	0.517	-1.4	104	0.00
29	T	Tetrahydrofuran	0.158	0.172	-8.9	105	0.00
30	C	Chloroform	1.228	1.273	-3.7#	108	0.00
31	T	Cyclohexane	1.022	1.028	-0.6	112	0.00
32	T	1,1,1-Trichloroethane	0.946	0.992	-4.9	109	-0.01
33	S	1,2-Dichloroethane-d4	0.718	0.716	0.3	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.326	0.320	1.8	99	0.00
36	T	1,1-Dichloropropene	0.472	0.512	-8.5	112	0.00
37	T	Ethyl Acetate	0.298	0.335	-12.4	111	-0.01
38	T	Carbon Tetrachloride	0.481	0.521	-8.3	113	0.00
39	T	Methylcyclohexane	0.587	0.645	-9.9	114	0.00
40	TM	Benzene	1.397	1.483	-6.2	108	0.00
41	T	Methacrylonitrile	0.160	0.189	-18.1	109	0.00
42	TM	1,2-Dichloroethane	0.472	0.497	-5.3	107	0.00
43	T	Isopropyl Acetate	0.513	0.579	-12.9	108	0.00
44	TM	Trichloroethene	0.349	0.365	-4.6	106	0.00
45	C	1,2-Dichloropropane	0.338	0.352	-4.1#	106	0.00
46	T	Dibromomethane	0.218	0.229	-5.0	105	0.00
47	T	Bromodichloromethane	0.511	0.550	-7.6	108	0.00
48	T	Methyl methacrylate	0.252	0.294	-16.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	106	0.00
50	S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.330	-11.9	105	0.00
52	CM	Toluene	0.894	0.975	-9.1#	111	0.00
53	T	t-1,3-Dichloropropene	0.480	0.538	-12.1	108	0.00
54	T	cis-1,3-Dichloropropene	0.544	0.600	-10.3	109	0.00
55	T	1,1,2-Trichloroethane	0.286	0.307	-7.3	108	0.00
56	T	Ethyl methacrylate	0.387	0.451	-16.5	110	0.00
57	T	1,3-Dichloropropane	0.501	0.521	-4.0	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.240	-12.7	107	0.00
59	T	2-Hexanone	0.200	0.226	-13.0	103	0.00
60	T	Dibromochloromethane	0.341	0.369	-8.2	105	0.00
61	T	1,2-Dibromoethane	0.286	0.305	-6.6	106	0.00
62	S	4-Bromofluorobenzene	0.447	0.467	-4.5	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.327	0.343	-4.9	106	0.00
65	PM	Chlorobenzene	1.103	1.201	-8.9	110	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.402	-14.2	111	0.00
67	C	Ethyl Benzene	1.913	2.149	-12.3#	110	0.00
68	T	m/p-Xylenes	0.735	0.838	-14.0	112	0.00
69	T	o-Xylene	0.681	0.779	-14.4	111	0.00
70	T	Styrene	1.177	1.332	-13.2	107	0.00
71	P	Bromoform	0.210	0.245	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.803	4.153	-9.2	110	0.00
74	T	N-amyl acetate	1.025	1.204	-17.5	112	0.00
75	P	1,1,2,2-Tetrachloroethane	0.844	0.913	-8.2	107	0.00
76	T	1,2,3-Trichloropropane	0.646	0.687	-6.3	104	0.00
77	T	Bromobenzene	0.848	0.953	-12.4	121	0.00
78	T	n-propylbenzene	4.554	5.039	-10.6	112	0.00
79	T	2-Chlorotoluene	2.743	2.990	-9.0	110	0.00
80	T	1,3,5-Trimethylbenzene	3.148	3.542	-12.5	111	0.00
81	T	trans-1,4-Dichloro-2-butene	0.277	0.318	-14.8	108	0.00
82	T	4-Chlorotoluene	2.879	3.063	-6.4	107	0.00
83	T	tert-Butylbenzene	2.697	2.912	-8.0	110	0.00
84	T	1,2,4-Trimethylbenzene	3.190	3.497	-9.6	111	0.00
85	T	sec-Butylbenzene	4.048	4.489	-10.9	111	0.00
86	T	p-Isopropyltoluene	3.336	3.709	-11.2	112	0.00
87	T	1,3-Dichlorobenzene	1.701	1.863	-9.5	112	0.00
88	T	1,4-Dichlorobenzene	1.741	1.838	-5.6	107	0.00
89	T	n-Butylbenzene	3.241	3.659	-12.9	114	0.00
90	T	Hexachloroethane	0.602	0.675	-12.1	113	0.00
91	T	1,2-Dichlorobenzene	1.555	1.688	-8.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	106	0.00
93	T	1,2,4-Trichlorobenzene	0.959	1.107	-15.4	117	0.00
94	T	Hexachlorobutadiene	0.463	0.535	-15.6	128	0.00
95	T	Naphthalene	2.351	2.676	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	1.011	-14.8	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2	T	Dichlorodifluoromethane	50.000	51.196	-2.4	115	0.00
3	P	Chloromethane	50.000	51.243	-2.5	114	0.00
4	C	Vinyl Chloride	50.000	52.290	-4.6#	112	0.00
5	T	Bromomethane	50.000	49.075	1.8	106	0.00
6	T	Chloroethane	50.000	50.785	-1.6	109	0.00
7	T	Trichlorofluoromethane	50.000	45.877	8.2	98	0.00
8	T	Diethyl Ether	50.000	50.236	-0.5	107	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.130	-2.3	111	-0.01
10	T	Methyl Iodide	50.000	51.168	-2.3	107	0.00
11	T	Tert butyl alcohol	250.000	273.466	-9.4	106	0.00
12	CM	1,1-Dichloroethene	50.000	51.057	-2.1#	112	0.00
13	T	Acrolein	250.000	238.183	4.7	93	0.00
14	T	Allyl chloride	50.000	53.493	-7.0	111	0.00
15	T	Acrylonitrile	250.000	263.111	-5.2	103	0.00
16	T	Acetone	250.000	255.933	-2.4	114	0.00
17	T	Carbon Disulfide	50.000	51.079	-2.2	108	0.00
18	T	Methyl Acetate	50.000	47.723	4.6	93	0.00
19	T	Methyl tert-butyl Ether	50.000	53.936	-7.9	108	0.00
20	T	Methylene Chloride	50.000	51.478	-3.0	107	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.856	-3.7	109	0.00
22	T	Diisopropyl ether	50.000	53.419	-6.8	108	-0.01
23	T	Vinyl Acetate	250.000	279.810	-11.9	111	0.00
24	P	1,1-Dichloroethane	50.000	52.150	-4.3	110	0.00
25	T	2-Butanone	250.000	280.206	-12.1	106	0.00
26	T	2,2-Dichloropropane	50.000	51.263	-2.5	107	-0.01
27	T	cis-1,2-Dichloroethene	50.000	52.697	-5.4	109	0.00
28	T	Bromochloromethane	50.000	50.675	-1.3	104	0.00
29	T	Tetrahydrofuran	250.000	272.901	-9.2	105	0.00
30	C	Chloroform	50.000	51.829	-3.7#	108	0.00
31	T	Cyclohexane	50.000	50.326	-0.7	112	0.00
32	T	1,1,1-Trichloroethane	50.000	52.429	-4.9	109	-0.01
33	S	1,2-Dichloroethane-d4	50.000	49.923	0.2	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	49.107	1.8	99	0.00
36	T	1,1-Dichloropropene	50.000	54.256	-8.5	112	0.00
37	T	Ethyl Acetate	50.000	56.224	-12.4	111	-0.01
38	T	Carbon Tetrachloride	50.000	54.165	-8.3	113	0.00
39	T	Methylcyclohexane	50.000	54.897	-9.8	114	0.00
40	TM	Benzene	50.000	53.078	-6.2	108	0.00
41	T	Methacrylonitrile	50.000	59.345	-18.7	109	0.00
42	TM	1,2-Dichloroethane	50.000	52.674	-5.3	107	0.00
43	T	Isopropyl Acetate	50.000	56.382	-12.8	108	0.00
44	TM	Trichloroethene	50.000	52.391	-4.8	106	0.00
45	C	1,2-Dichloropropane	50.000	52.122	-4.2#	106	0.00
46	T	Dibromomethane	50.000	52.504	-5.0	105	0.00
47	T	Bromodichloromethane	50.000	53.804	-7.6	108	0.00
48	T	Methyl methacrylate	50.000	58.260	-16.5	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	1062.966	-6.3	106	0.00
50	S	Toluene-d8	50.000	50.552	-1.1	102	0.00
51	T	4-Methyl-2-Pentanone	250.000	279.124	-11.6	105	0.00
52	CM	Toluene	50.000	54.503	-9.0#	111	0.00
53	T	t-1,3-Dichloropropene	50.000	56.049	-12.1	108	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.157	-10.3	109	0.00
55	T	1,1,2-Trichloroethane	50.000	53.844	-7.7	108	0.00
56	T	Ethyl methacrylate	50.000	58.189	-16.4	110	0.00
57	T	1,3-Dichloropropane	50.000	51.971	-3.9	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	281.479	-12.6	107	0.00
59	T	2-Hexanone	250.000	282.722	-13.1	103	0.00
60	T	Dibromochloromethane	50.000	53.973	-7.9	105	0.00
61	T	1,2-Dibromoethane	50.000	53.440	-6.9	106	0.00
62	S	4-Bromofluorobenzene	50.000	52.265	-4.5	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	52.421	-4.8	106	0.00
65	PM	Chlorobenzene	50.000	54.443	-8.9	110	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.176	-14.4	111	0.00
67	C	Ethyl Benzene	50.000	56.161	-12.3#	110	0.00
68	T	m/p-Xylenes	100.000	113.903	-13.9	112	0.00
69	T	o-Xylene	50.000	57.208	-14.4	111	0.00
70	T	Styrene	50.000	56.574	-13.1	107	0.00
71	P	Bromoform	50.000	58.331	-16.7	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	54.594	-9.2	110	0.00
74	T	N-amyl acetate	50.000	58.715	-17.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.047	-8.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.142	-6.3	104	0.00
77	T	Bromobenzene	50.000	56.175	-12.3	121	0.00
78	T	n-propylbenzene	50.000	55.325	-10.7	112	0.00
79	T	2-Chlorotoluene	50.000	54.514	-9.0	110	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.260	-12.5	111	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.276	-14.6	108	0.00
82	T	4-Chlorotoluene	50.000	53.189	-6.4	107	0.00
83	T	tert-Butylbenzene	50.000	53.999	-8.0	110	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.815	-9.6	111	0.00
85	T	sec-Butylbenzene	50.000	55.450	-10.9	111	0.00
86	T	p-Isopropyltoluene	50.000	55.591	-11.2	112	0.00
87	T	1,3-Dichlorobenzene	50.000	54.762	-9.5	112	0.00
88	T	1,4-Dichlorobenzene	50.000	52.771	-5.5	107	0.00
89	T	n-Butylbenzene	50.000	56.443	-12.9	114	0.00
90	T	Hexachloroethane	50.000	56.049	-12.1	113	0.00
91	T	1,2-Dichlorobenzene	50.000	54.274	-8.5	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.174	-8.3	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	57.742	-15.5	117	0.00
94	T	Hexachlorobutadiene	50.000	57.772	-15.5	128	0.00
95	T	Naphthalene	50.000	56.915	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	57.366	-14.7	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2558
Instrument ID: MSVOA_W
Calibration Date/Time: 07/10/2025 08:47
Lab File ID: VW031791.D
Init. Calib. Date(s): 06/30/2025 06/30/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:54 12:55
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.332		-2.64	20
Chloromethane	0.411	0.420	0.1	2.19	20
Vinyl Chloride	0.540	0.564		4.44	20
Bromomethane	0.421	0.402		-4.51	20
Chloroethane	0.367	0.366		-0.27	20
Tetrahydrofuran	0.158	0.160		1.27	20
Trichlorofluoromethane	0.490	0.492		0.41	20
1,1,2-Trichlorotrifluoroethane	0.544	0.551		1.29	20
1,1-Dichloroethene	0.596	0.602		1.01	20
Acrylonitrile	0.183	0.179		-2.19	20
Acetone	0.177	0.174		-1.7	20
Carbon Disulfide	1.594	1.572		-1.38	20
Methyl tert-butyl Ether	1.011	1.104		9.2	20
Methylene Chloride	0.814	0.823		1.11	20
trans-1,2-Dichloroethene	0.633	0.640		1.11	20
1,1-Dichloroethane	1.156	1.209	0.1	4.59	20
2-Butanone	0.231	0.241		4.33	20
Carbon Tetrachloride	0.481	0.507		5.41	20
2,2-Dichloropropane	0.674	0.689		2.23	20
cis-1,2-Dichloroethene	0.728	0.766		5.22	20
Chloroform	1.228	1.273		3.66	20
1,1,1-Trichloroethane	0.946	0.972		2.75	20
1,1-Dichloropropene	0.472	0.507		7.41	20
Benzene	1.397	1.483		6.16	20
1,2-Dichloroethane	0.472	0.498		5.51	20
Trichloroethene	0.349	0.349		0	20
1,2-Dichloropropane	0.338	0.363		7.4	20
Dibromomethane	0.218	0.231		5.96	20
Bromodichloromethane	0.511	0.559		9.39	20
4-Methyl-2-Pentanone	0.295	0.312		5.76	20
Toluene	0.894	0.967		8.17	20
t-1,3-Dichloropropene	0.480	0.540		12.5	20
cis-1,3-Dichloropropene	0.544	0.610		12.13	20
1,1,2-Trichloroethane	0.286	0.303		5.94	20
1,3-Dichloropropane	0.501	0.544		8.58	20
2-Hexanone	0.200	0.219		9.5	20
Dibromochloromethane	0.341	0.365		7.04	20
1,2-Dibromoethane	0.286	0.301		5.24	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	NOBI03
Lab Code:	ACE	SDG No.:	Q2558
Instrument ID:	MSVOA_W	Calibration Date/Time:	07/10/2025 08:47
Lab File ID:	VW031791.D	Init. Calib. Date(s):	06/30/2025 06/30/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	09:54 12:55

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.327	0.330		0.92	20
Chlorobenzene	1.103	1.194	0.3	8.25	20
1,1,1,2-Tetrachloroethane	0.352	0.385		9.38	20
Ethyl Benzene	1.913	2.125		11.08	20
m/p-Xylenes	0.735	0.834		13.47	20
o-Xylene	0.681	0.781		14.68	20
Styrene	1.177	1.307		11.05	20
Bromoform	0.210	0.217	0.1	3.33	20
Isopropylbenzene	3.803	4.324		13.7	20
1,1,2,2-Tetrachloroethane	0.844	0.925	0.3	9.6	20
1,2,3-Trichloropropane	0.646	0.683		5.73	20
Bromobenzene	0.848	0.935		10.26	20
n-propylbenzene	4.554	5.291		16.18	20
2-Chlorotoluene	2.743	3.127		14	20
1,3,5-Trimethylbenzene	3.148	3.642		15.69	20
4-Chlorotoluene	2.879	3.226		12.05	20
tert-Butylbenzene	2.697	3.113		15.43	20
1,2,4-Trimethylbenzene	3.190	3.655		14.58	20
sec-Butylbenzene	4.048	4.694		15.96	20
p-Isopropyltoluene	3.336	3.917		17.42	20
1,3-Dichlorobenzene	1.701	1.790		5.23	20
1,4-Dichlorobenzene	1.741	1.807		3.79	20
n-Butylbenzene	3.241	3.741		15.43	20
1,2-Dichlorobenzene	1.555	1.645		5.79	20
1,2-Dibromo-3-Chloropropane	0.165	0.173		4.85	20
1,2,4-Trichlorobenzene	0.959	1.053		9.8	20
Hexachlorobutadiene	0.463	0.510		10.15	20
1,2,3-Trichlorobenzene	0.881	0.966		9.65	20
1,2-Dichloroethane-d4	0.718	0.700		-2.51	20
Dibromofluoromethane	0.326	0.329		0.92	20
Toluene-d8	1.214	1.231		1.4	20
4-Bromofluorobenzene	0.447	0.459		2.68	20
trans-1,4-Dichloro-2-butene	0.277	0.315		13.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	245114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	431816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171584	48.778	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.560%			
35) Dibromofluoromethane	7.898	113	142229	50.475	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.960%			
50) Toluene-d8	10.325	98	531723	50.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.617	95	197999	51.310	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	81335	48.724	ug/l	100
3) Chloromethane	2.259	50	103069	51.214	ug/l	99
4) Vinyl Chloride	2.411	62	138364	52.307	ug/l	97
5) Bromomethane	2.832	94	98437	47.643	ug/l	98
6) Chloroethane	2.972	64	89799	49.977	ug/l	97
7) Trichlorofluoromethane	3.308	101	120660	50.227	ug/l	99
8) Diethyl Ether	3.722	74	91609	50.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.112	101	135020	50.636	ug/l	99
10) Methyl Iodide	4.307	142	203278	49.451	ug/l	100
11) Tert butyl alcohol	5.216	59	51199	234.934	ug/l	95
12) 1,1-Dichloroethene	4.082	96	147549	50.519	ug/l	95
13) Acrolein	3.929	56	54976	140.356	ug/l	97
14) Allyl chloride	4.710	41	234241	52.272	ug/l	99
15) Acrylonitrile	5.399	53	219796	244.849	ug/l	100
16) Acetone	4.161	43	213330	245.359	ug/l	98
17) Carbon Disulfide	4.423	76	385360	49.307	ug/l	99
18) Methyl Acetate	4.710	43	127191	51.186	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	270710	54.609	ug/l	99
20) Methylene Chloride	4.954	84	201763	59.333	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	156753	50.510	ug/l	93
22) Diisopropyl ether	6.338	45	487890	55.824	ug/l	98
23) Vinyl Acetate	6.283	43	1595365	267.247	ug/l	100
24) 1,1-Dichloroethane	6.246	63	296292	52.291	ug/l	99
25) 2-Butanone	7.191	43	295099	260.886	ug/l	99
26) 2,2-Dichloropropane	7.185	77	168976	51.113	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	187769	52.636	ug/l	100
28) Bromochloromethane	7.532	49	128678	51.462	ug/l	99
29) Tetrahydrofuran	7.551	42	195918	252.916	ug/l	98
30) Chloroform	7.691	83	312149	51.845	ug/l	99
31) Cyclohexane	7.971	56	252208	50.354	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	238332	51.366	ug/l	99
36) 1,1-Dichloropropene	8.093	75	218825	53.667	ug/l	99
37) Ethyl Acetate	7.270	43	126413	49.147	ug/l	99
38) Carbon Tetrachloride	8.081	117	219039	52.716	ug/l	99
39) Methylcyclohexane	9.343	83	274893	54.187	ug/l	99
40) Benzene	8.337	78	640183	53.067	ug/l	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	74278	53.907	ug/l		96
42) 1,2-Dichloroethane	8.410	62	214834	52.705	ug/l		99
43) Isopropyl Acetate	8.435	43	235257	53.059	ug/l		99
44) Trichloroethene	9.099	130	150522	49.991	ug/l		96
45) 1,2-Dichloropropane	9.374	63	156663	53.733	ug/l		97
46) Dibromomethane	9.465	93	99819	53.029	ug/l		96
47) Bromodichloromethane	9.654	83	241552	54.724	ug/l		97
48) Methyl methacrylate	9.441	41	114242	52.401	ug/l		98
49) 1,4-Dioxane	9.465	88	23364	1059.780	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.209	43	674703	264.687	ug/l		100
52) Toluene	10.392	92	417758	54.087	ug/l		97
53) t-1,3-Dichloropropene	10.611	75	232972	56.253	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	263620	56.150	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	130782	53.040	ug/l		97
56) Ethyl methacrylate	10.648	69	191318	57.193	ug/l		98
57) 1,3-Dichloropropane	10.934	76	234750	54.227	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	424465	230.437	ug/l		97
59) 2-Hexanone	10.971	43	473151	273.918	ug/l		99
60) Dibromochloromethane	11.129	129	157563	53.437	ug/l		97
61) 1,2-Dibromoethane	11.239	107	129900	52.626	ug/l		99
64) Tetrachloroethene	10.861	164	123056	50.476	ug/l		92
65) Chlorobenzene	11.660	112	445036	54.120	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	143400	54.724	ug/l		100
67) Ethyl Benzene	11.727	91	791900	55.536	ug/l		99
68) m/p-Xylenes	11.837	106	621844	113.445	ug/l		97
69) o-Xylene	12.166	106	291178	57.372	ug/l		97
70) Styrene	12.178	104	487219	55.530	ug/l		99
71) Bromoform	12.349	173	80971	51.797	ug/l	#	99
73) Isopropylbenzene	12.458	105	751622	56.847	ug/l		100
74) N-amyl acetate	12.269	43	213716	59.970	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	160789	54.777	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	118719m	52.852	ug/l		
77) Bromobenzene	12.745	156	162590	55.136	ug/l		91
78) n-propylbenzene	12.800	91	919660	58.086	ug/l		98
79) 2-Chlorotoluene	12.891	91	543574	57.014	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	633002	57.838	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	54744	56.764	ug/l		98
82) 4-Chlorotoluene	12.989	91	560825	56.028	ug/l		98
83) tert-Butylbenzene	13.202	119	541064	57.715	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	635294	57.291	ug/l		99
85) sec-Butylbenzene	13.379	105	815956	57.987	ug/l		98
86) p-Isopropyltoluene	13.495	119	680929	58.717	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	311093	52.604	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	314021	51.878	ug/l		95
89) n-Butylbenzene	13.818	91	650184	57.705	ug/l		100
90) Hexachloroethane	14.092	117	114483	54.720	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	285982	52.908	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	30074	52.471	ug/l		94
93) 1,2,4-Trichlorobenzene	15.123	180	183110	54.930	ug/l		93
94) Hexachlorobutadiene	15.226	225	88681	55.092	ug/l		92
95) Naphthalene	15.360	128	458410	56.091	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	167959	54.834	ug/l		97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

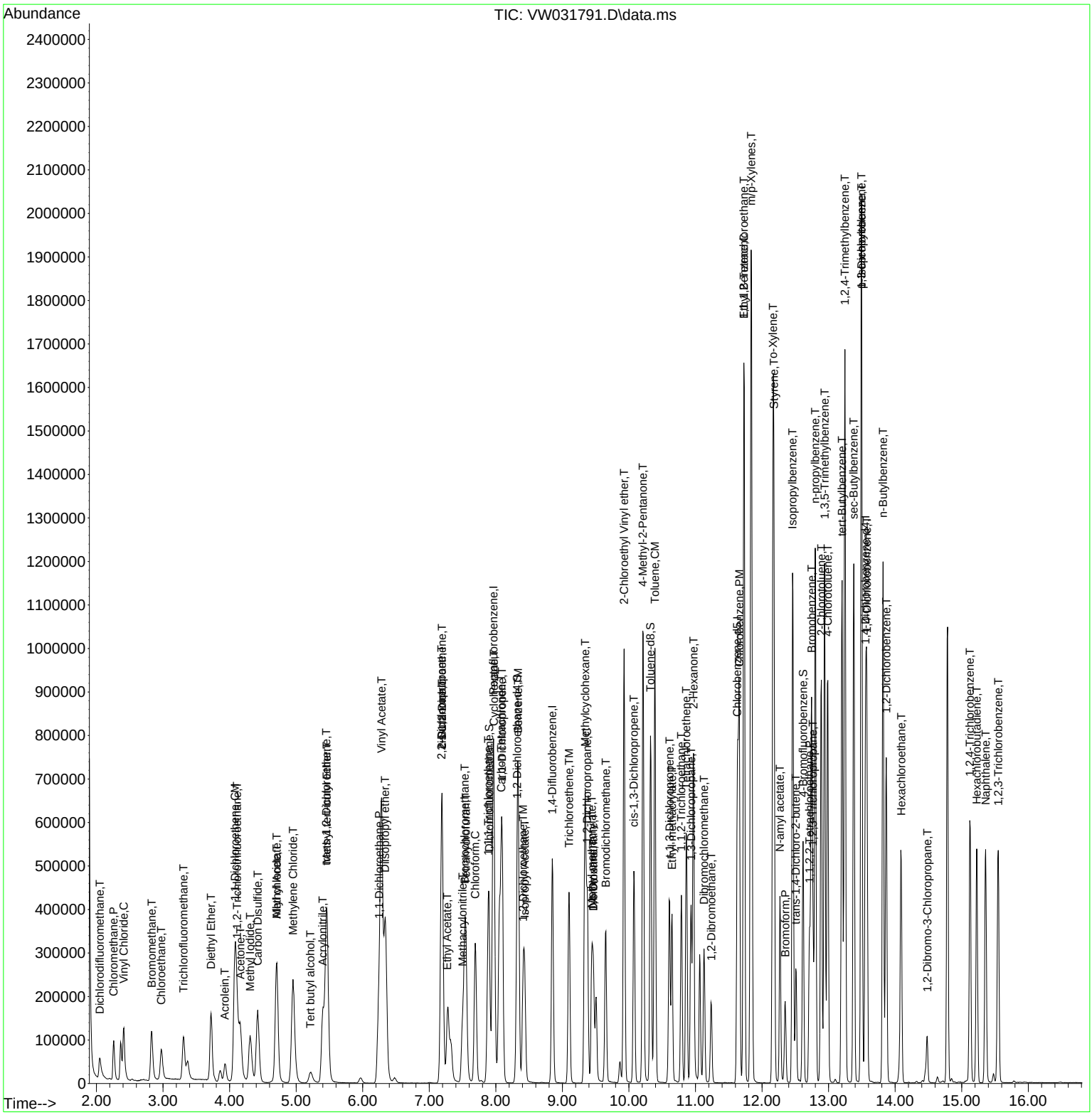
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Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

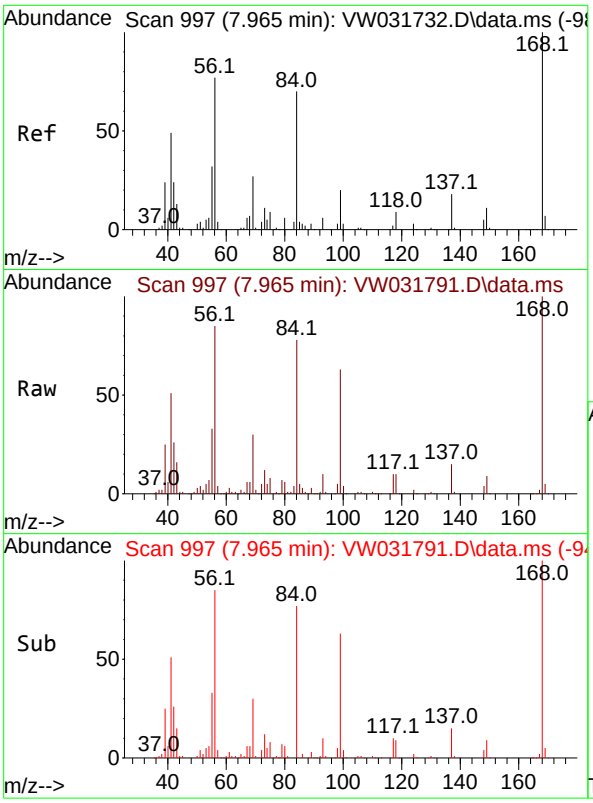
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

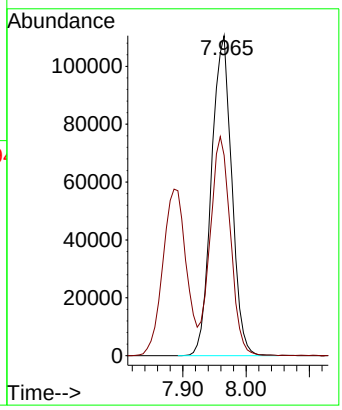




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:168 Resp: 24511

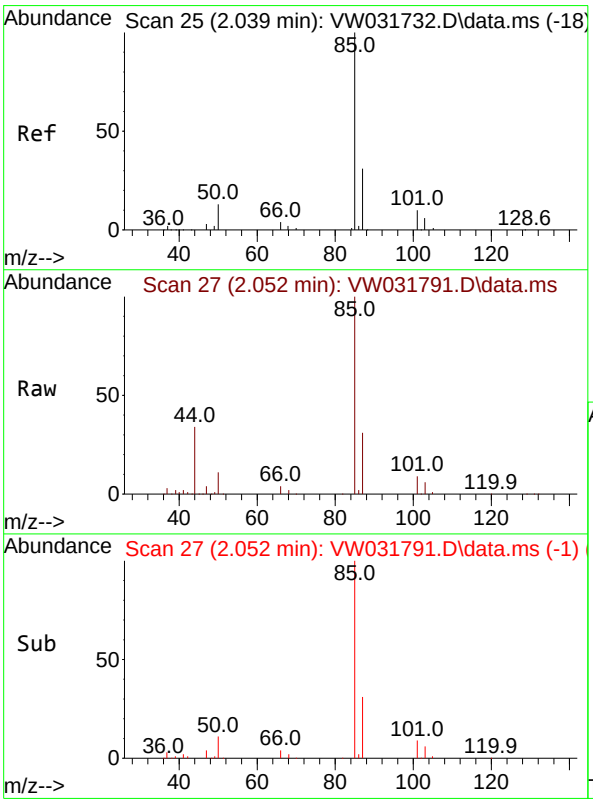
Ion	Ratio	Lower	Upper
168	100		
99	62.5	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

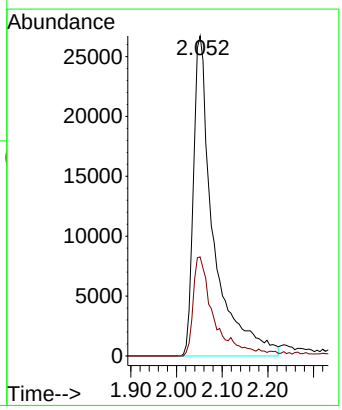
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

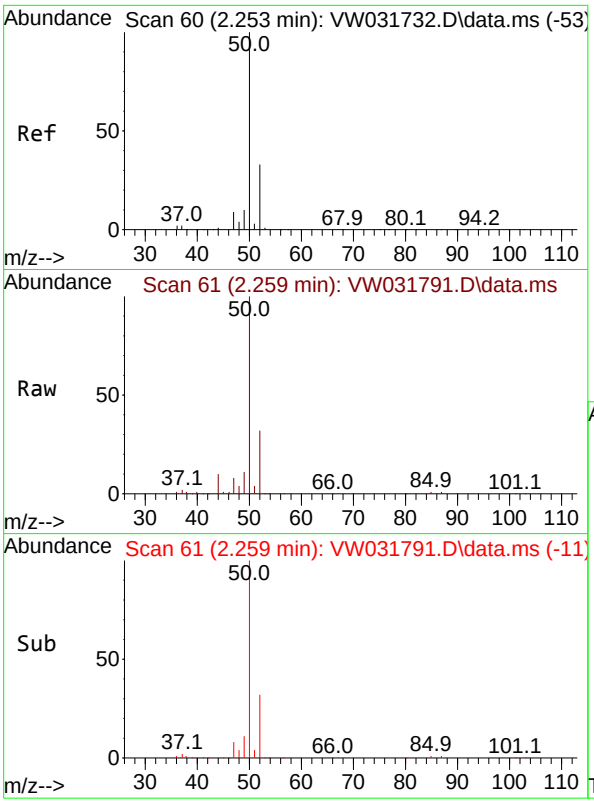


#2
Dichlorodifluoromethane
Concen: 48.724 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.012 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 85 Resp: 81335

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.2

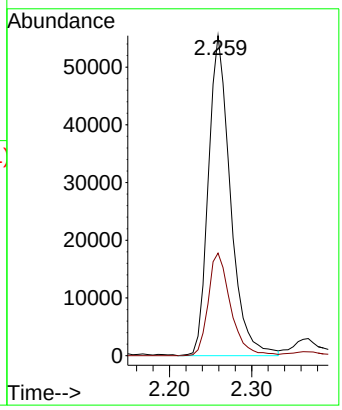




#3
Chloromethane
Concen: 51.214 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 50 Resp: 10306

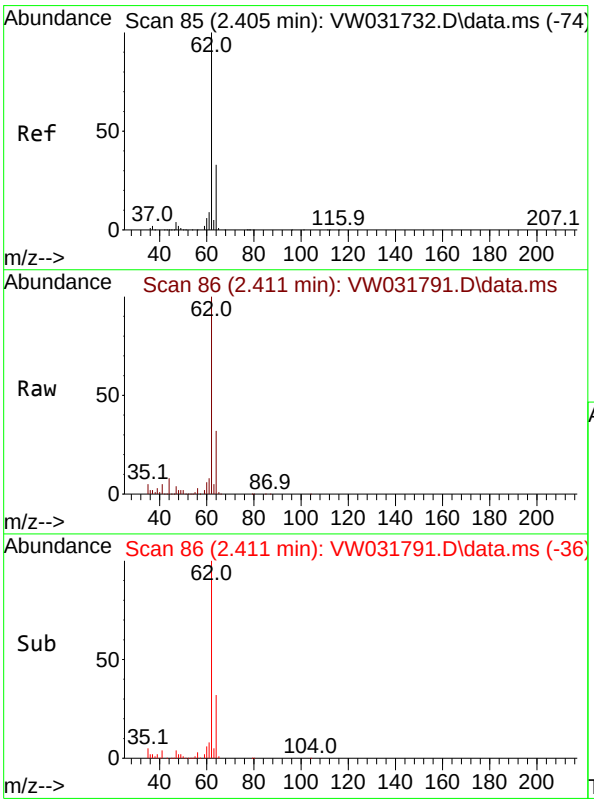
Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

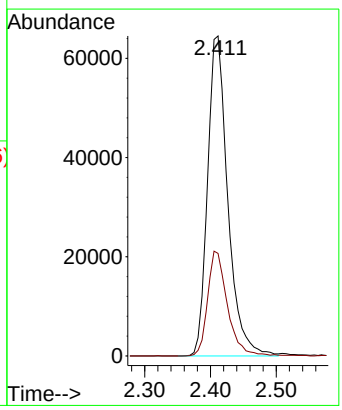
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

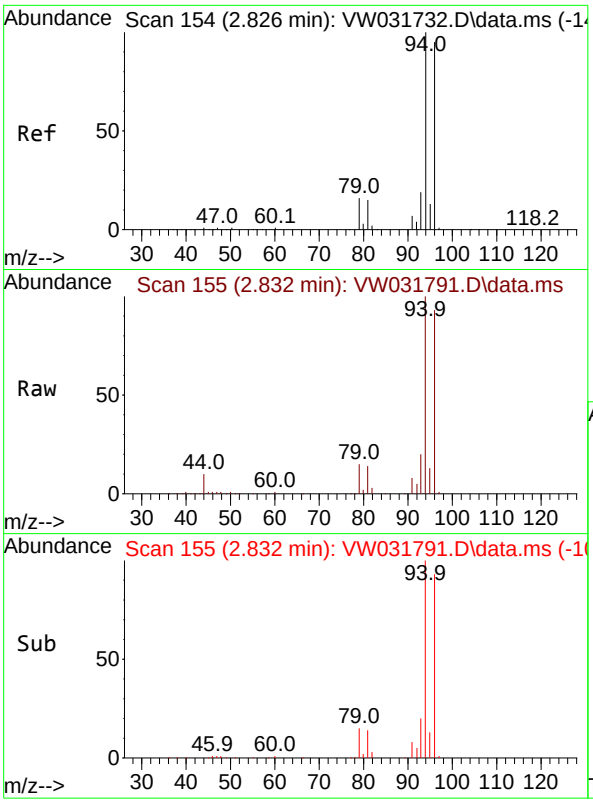


#4
Vinyl Chloride
Concen: 52.307 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 62 Resp: 138364

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.8	40.2

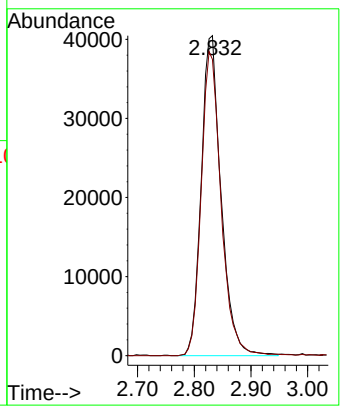




#5
Bromomethane
Concen: 47.643 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 94 Resp: 9843

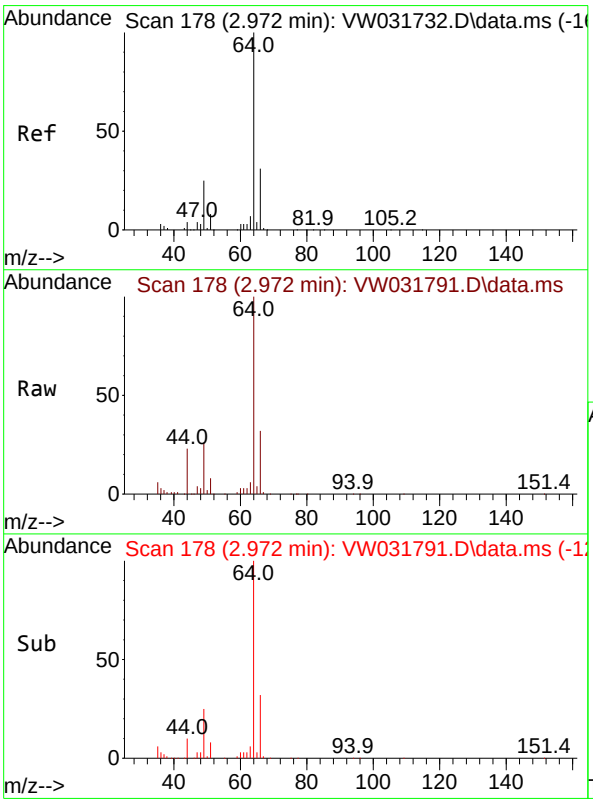
Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

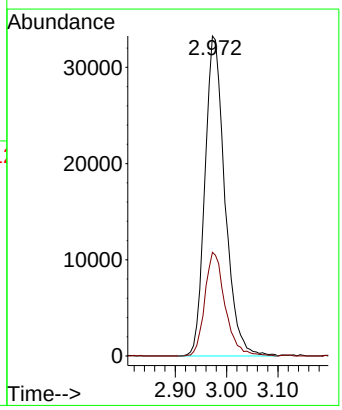
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

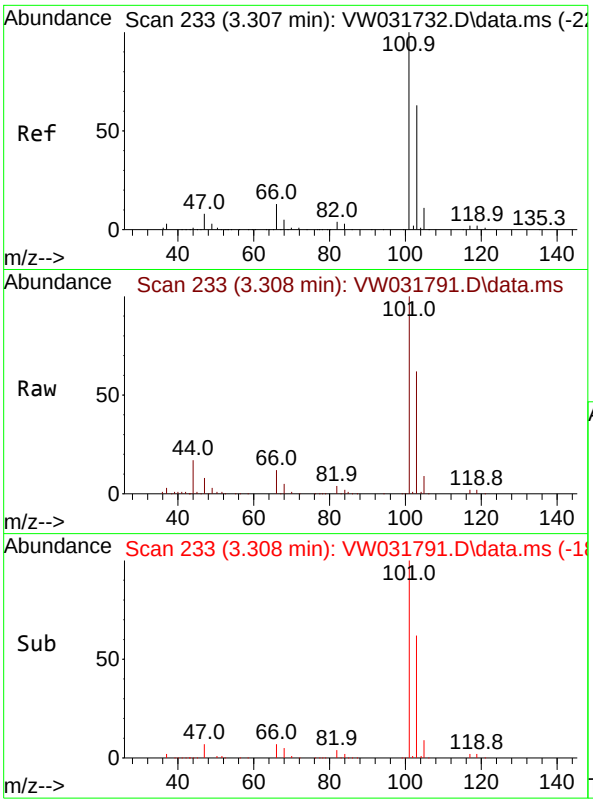


#6
Chloroethane
Concen: 49.977 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 64 Resp: 89799

Ion	Ratio	Lower	Upper
64	100		
66	32.4	24.5	36.7

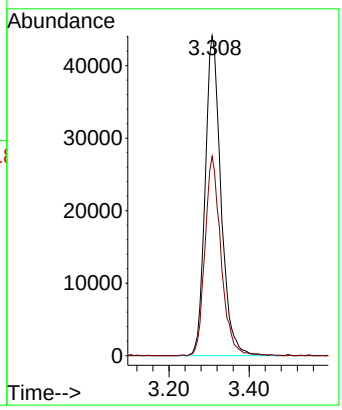




#7
Trichlorofluoromethane
Concen: 50.227 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:101 Resp: 12066

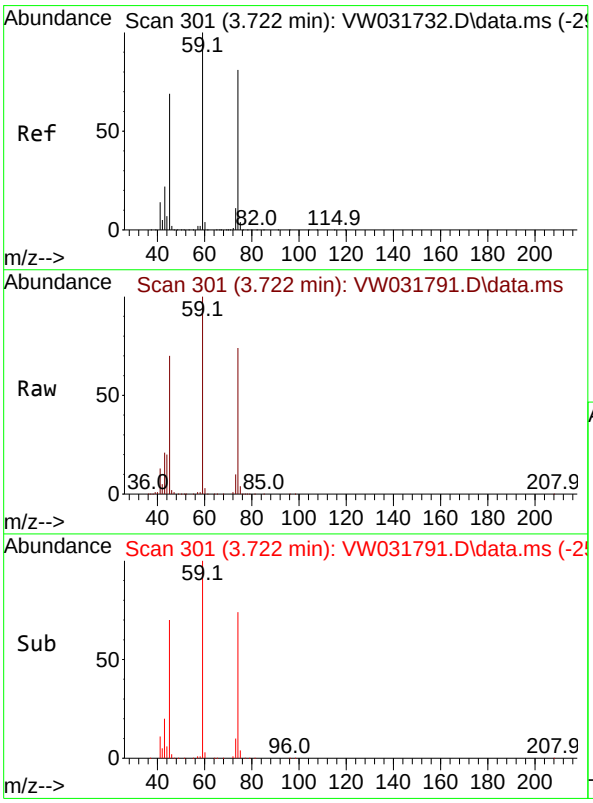
Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

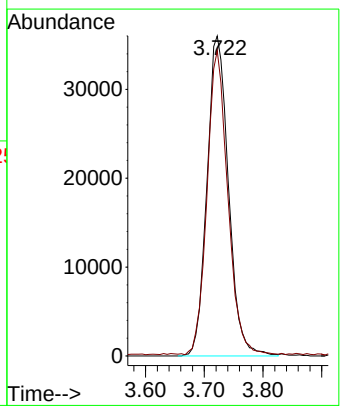
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

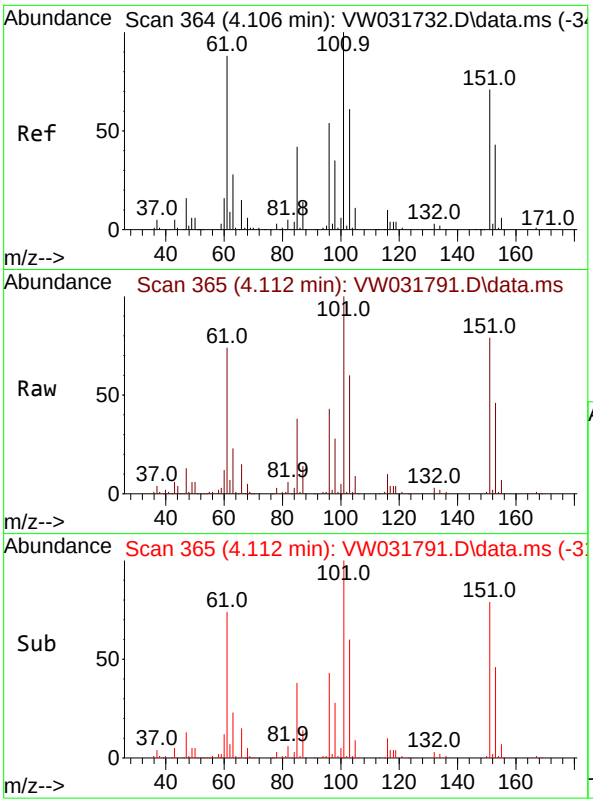


#8
Diethyl Ether
Concen: 50.184 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 74 Resp: 91609

Ion	Ratio	Lower	Upper
74	100		
45	91.2	43.9	131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.636 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

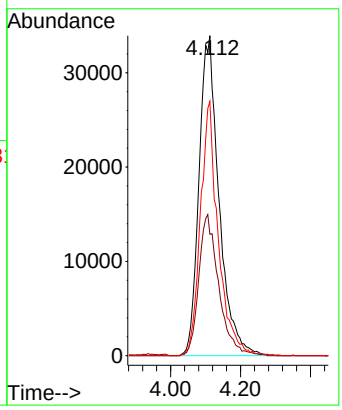
Tgt Ion:101 Resp: 13502

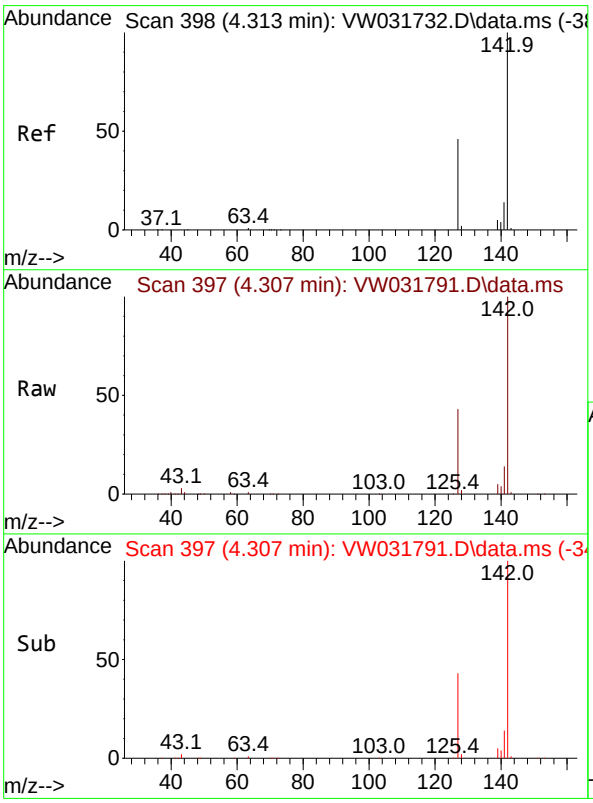
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.6	53.4
151	70.6	56.8	85.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

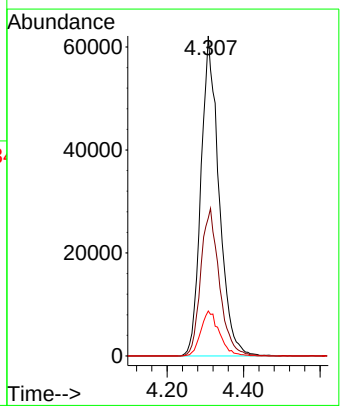


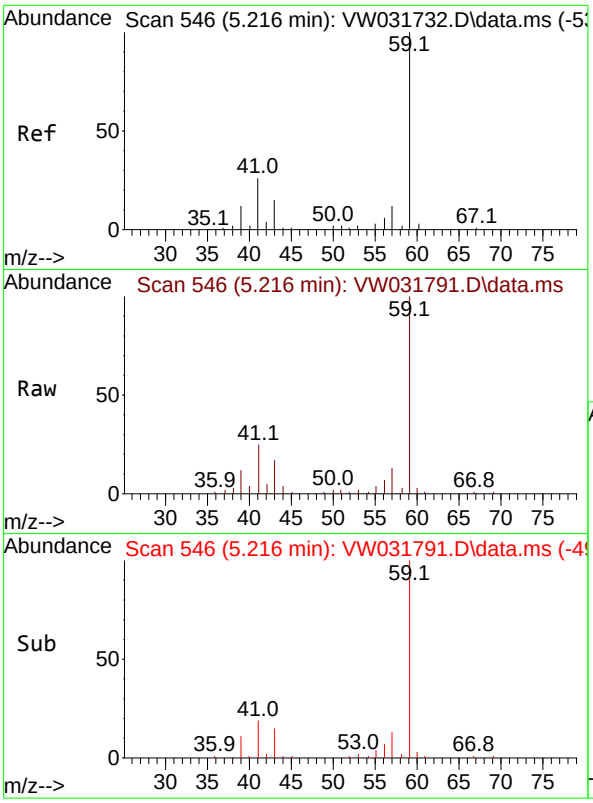


#10
Methyl Iodide
Concen: 49.451 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:142 Resp: 203278

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.9	56.9
141	14.5	11.7	17.5

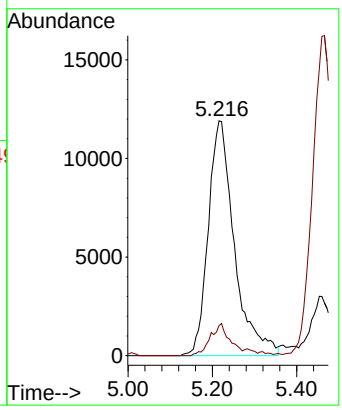




#11
Tert butyl alcohol
Concen: 234.934 ug/l
RT: 5.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 59 Resp: 5119

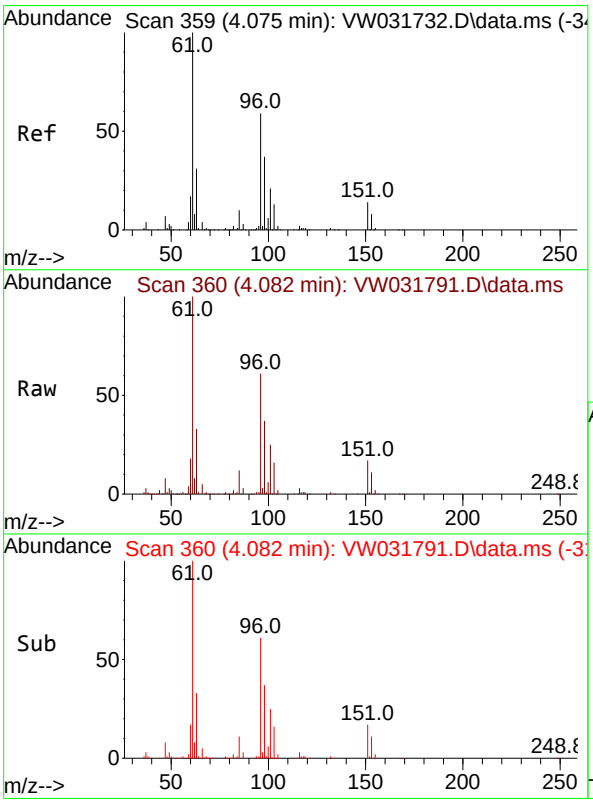
Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

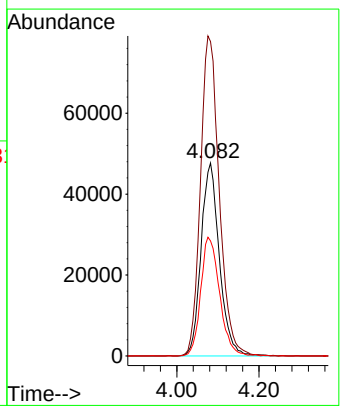
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

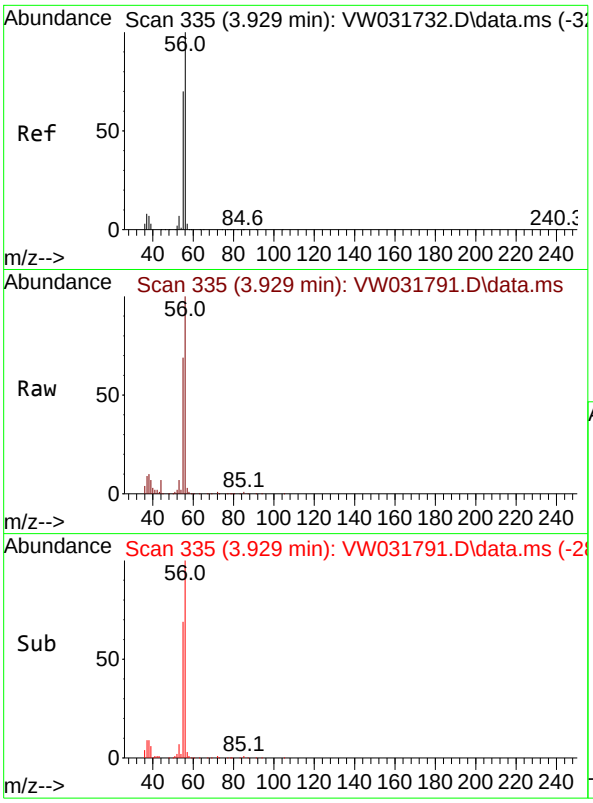


#12
1,1-Dichloroethene
Concen: 50.519 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 96 Resp: 147549

Ion	Ratio	Lower	Upper
96	100		
61	162.9	135.8	203.8
98	59.6	50.4	75.6

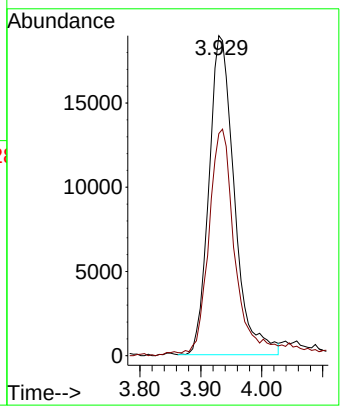




#13
Acrolein
Concen: 140.356 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 56 Resp: 5497

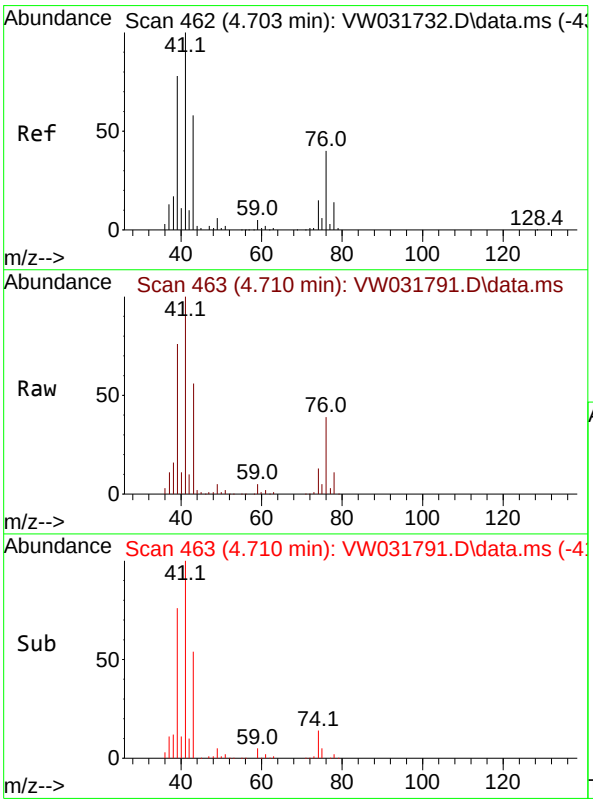
Ion	Ratio	Lower	Upper
56	100		
55	69.8	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

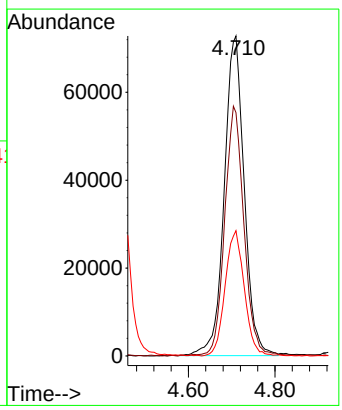
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

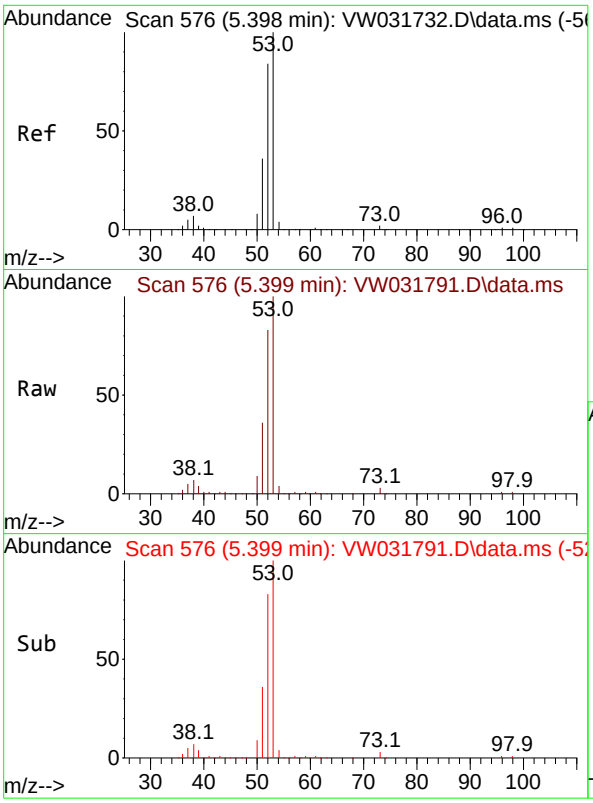


#14
Allyl chloride
Concen: 52.272 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 41 Resp: 234241

Ion	Ratio	Lower	Upper
41	100		
39	74.8	60.7	91.1
76	37.7	30.3	45.5

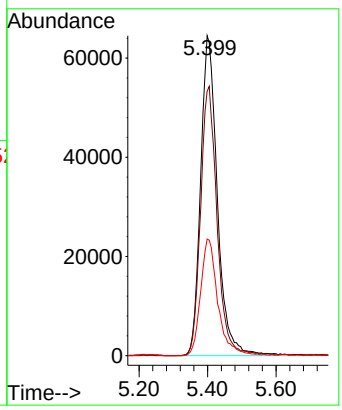




#15
Acrylonitrile
Concen: 244.849 ug/l
RT: 5.399 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 53 Resp: 21979

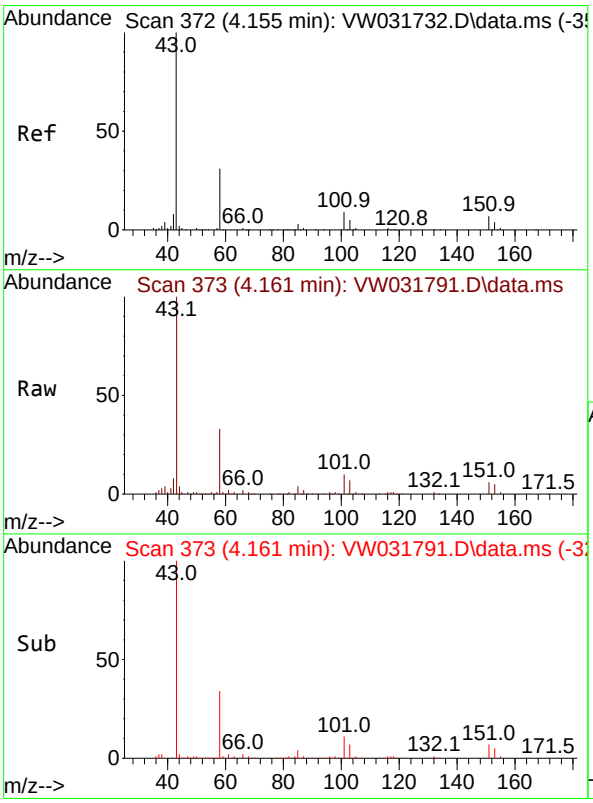
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.5	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

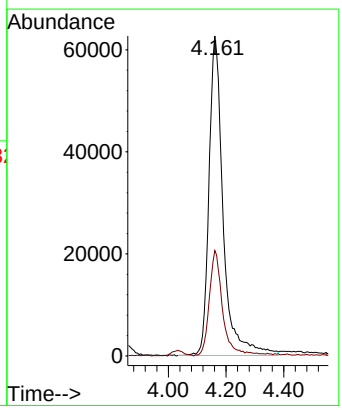
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

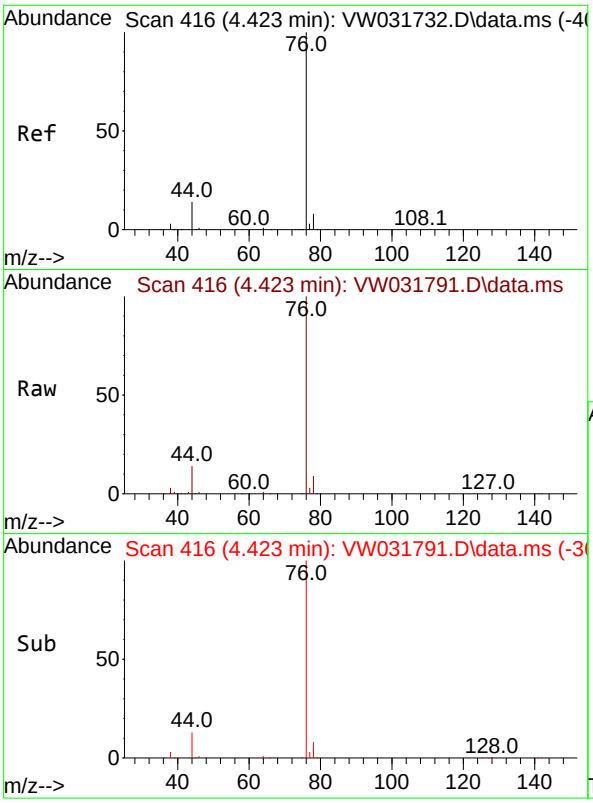


#16
Acetone
Concen: 245.359 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 213330

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.8	37.2

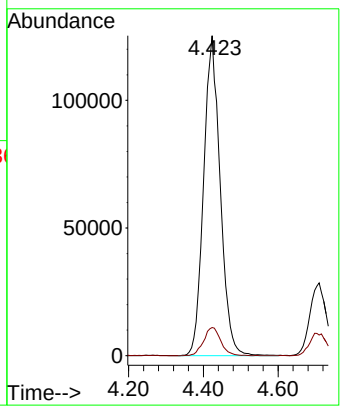




#17
Carbon Disulfide
Concen: 49.307 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 76 Resp: 38536

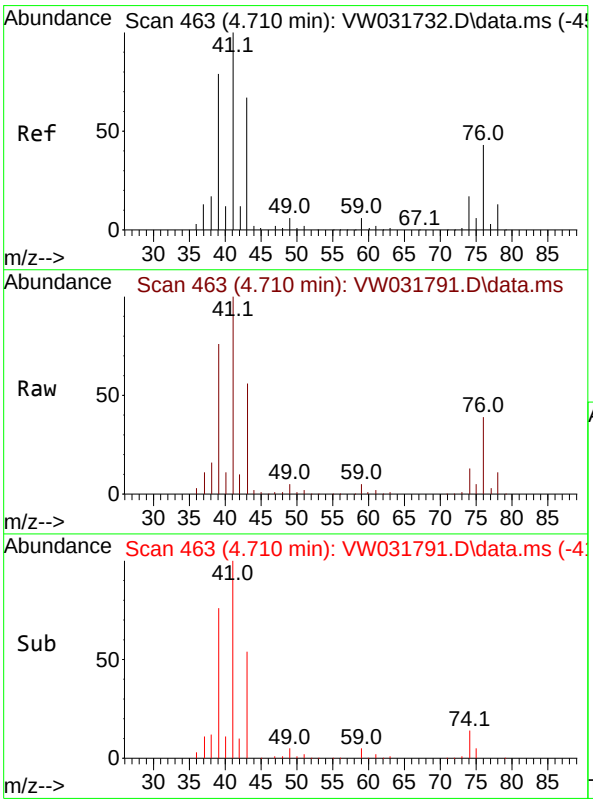
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

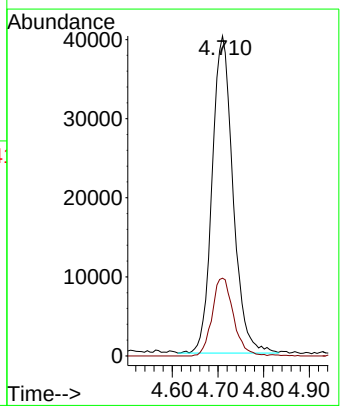
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

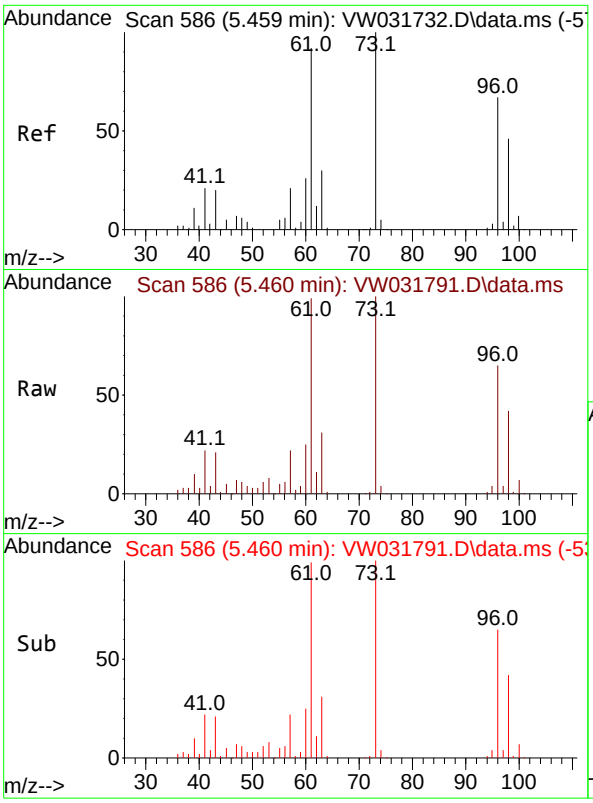


#18
Methyl Acetate
Concen: 51.186 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 127191

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.6	30.8

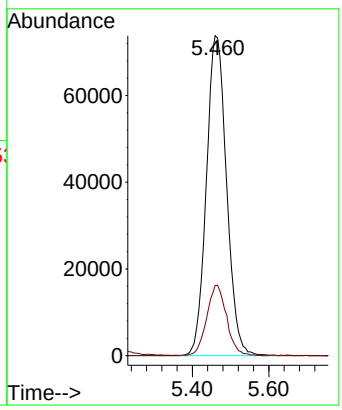




#19
Methyl tert-butyl Ether
Concen: 54.609 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 73 Resp: 27071

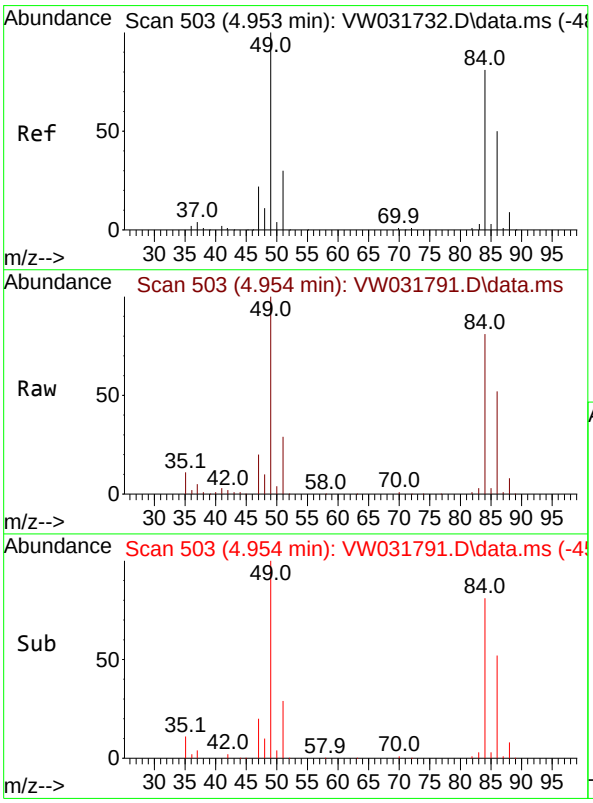
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

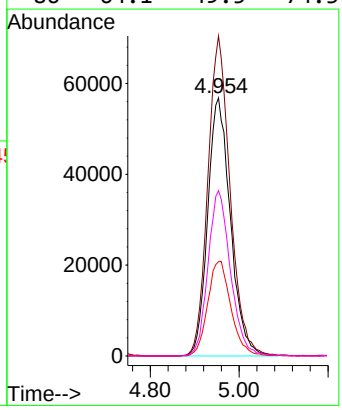
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

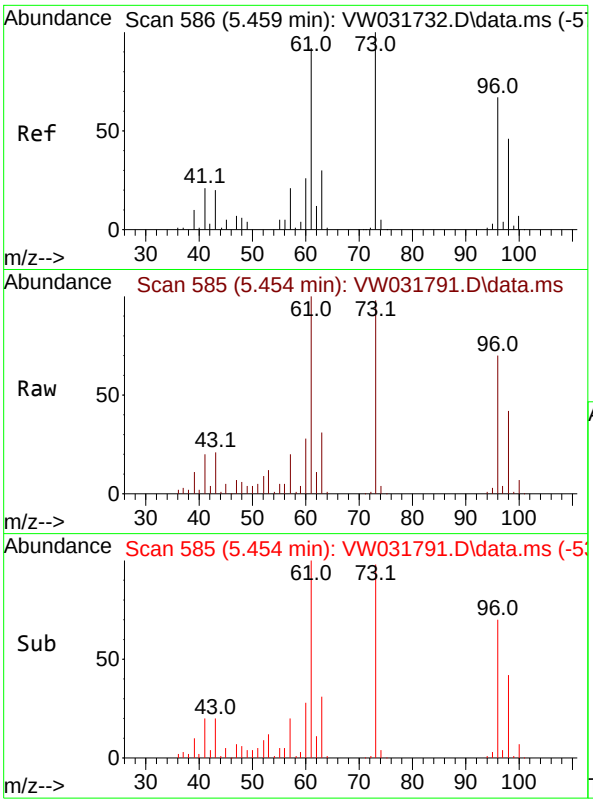


#20
Methylene Chloride
Concen: 59.333 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 84 Resp: 201763

Ion	Ratio	Lower	Upper
84	100		
49	124.0	98.2	147.4
51	36.5	29.8	44.8
86	64.1	49.5	74.3

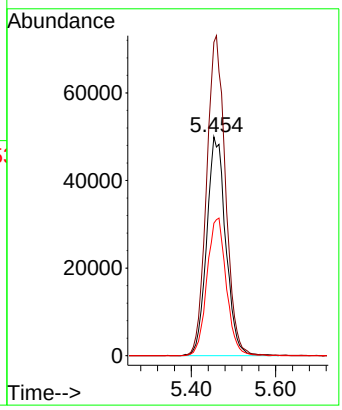




#21
trans-1,2-Dichloroethene
Concen: 50.510 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 96 Resp: 15675

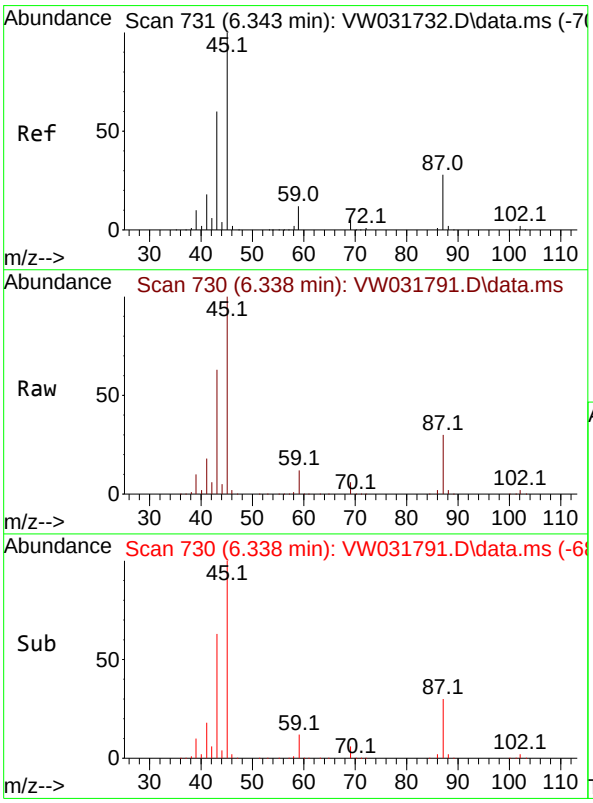
Ion	Ratio	Lower	Upper
96	100		
61	143.3	109.8	164.6
98	60.6	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

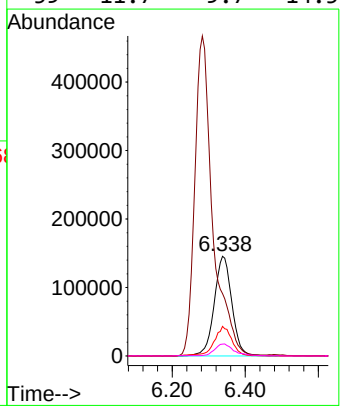
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

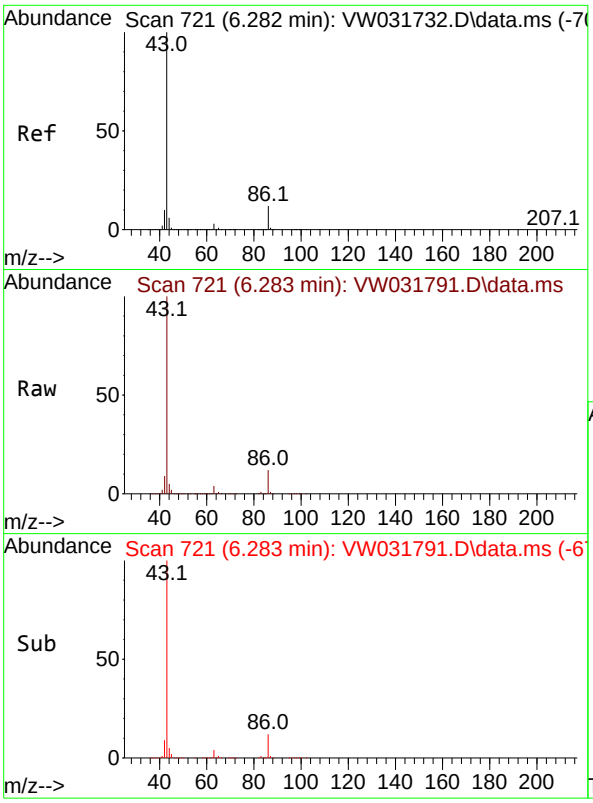


#22
Diisopropyl ether
Concen: 55.824 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 45 Resp: 487890

Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.3	72.5
87	29.6	22.6	34.0
59	11.7	9.7	14.5

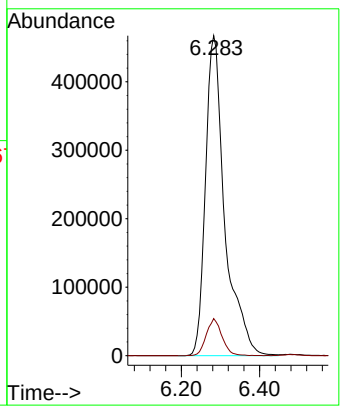




#23
Vinyl Acetate
Concen: 267.247 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 159536

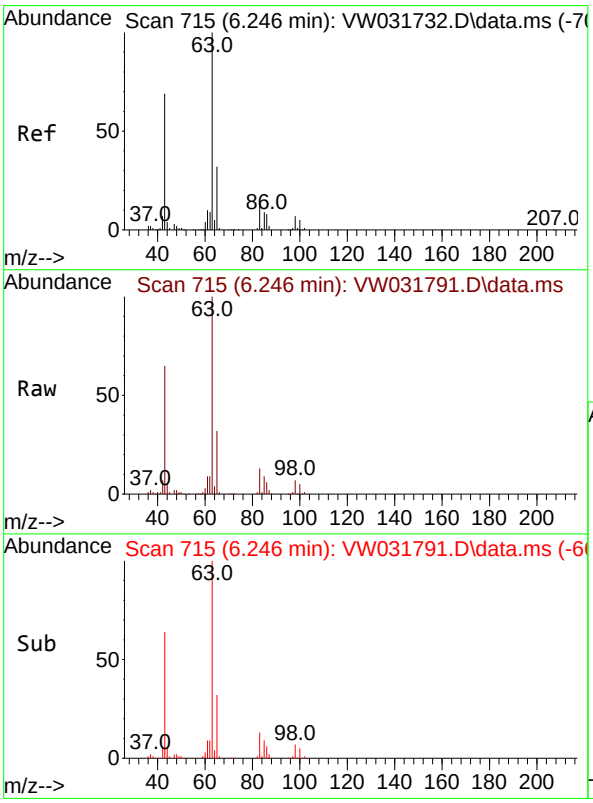
Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

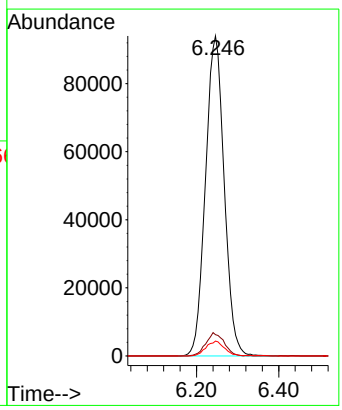
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

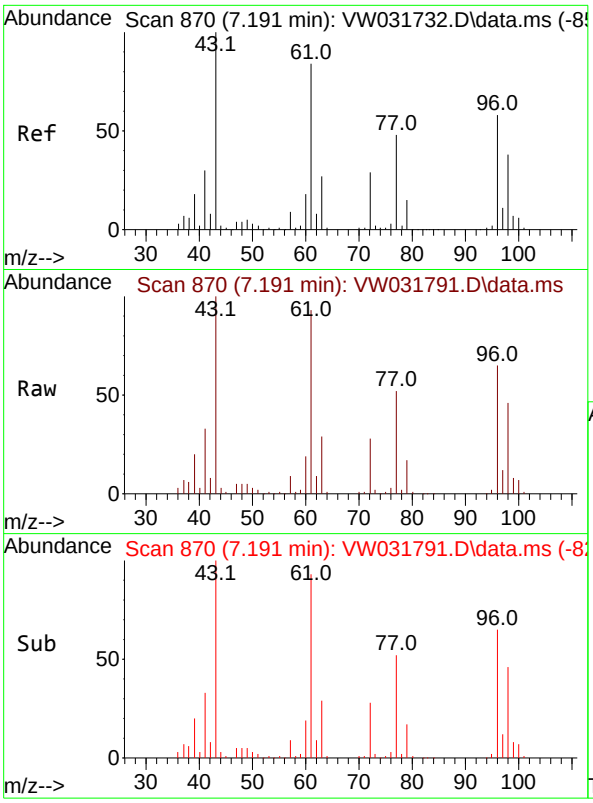


#24
1,1-Dichloroethane
Concen: 52.291 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 63 Resp: 296292

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.6
100	4.6	2.5	7.5

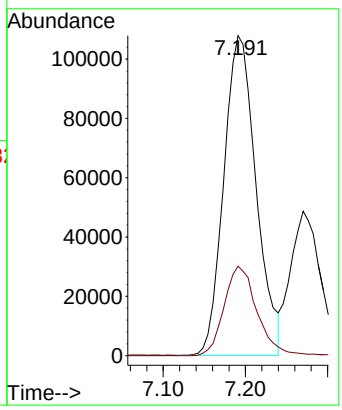




#25
2-Butanone
Concen: 260.886 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 29509

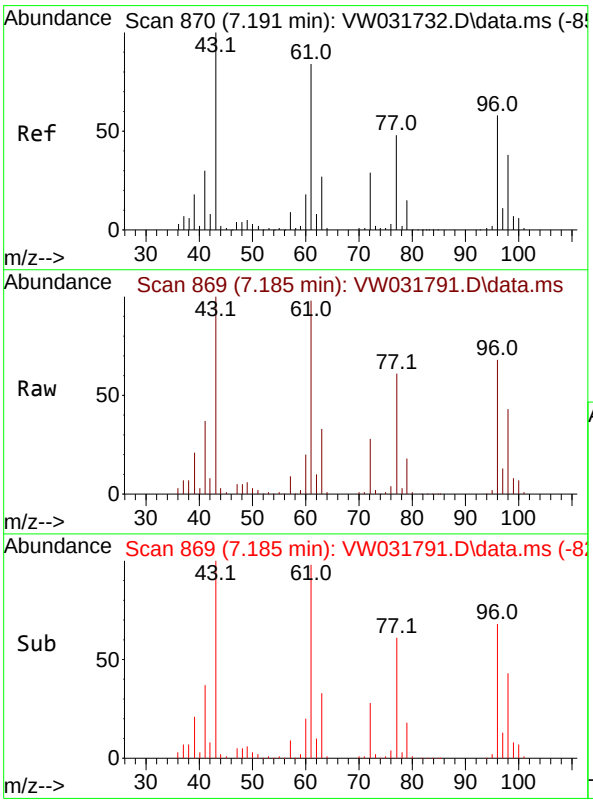
Ion	Ratio	Lower	Upper
43	100		
72	28.0	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

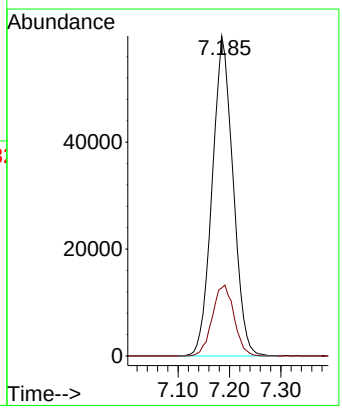
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

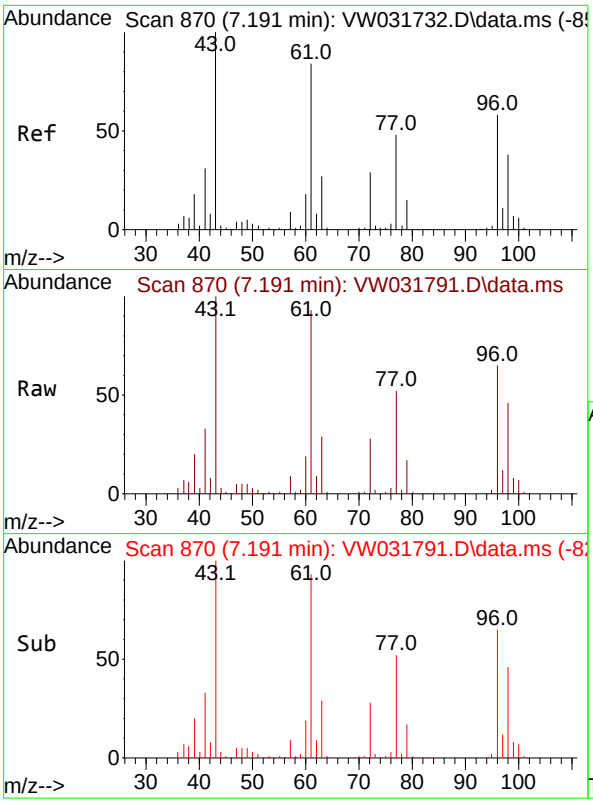


#26
2,2-Dichloropropane
Concen: 51.113 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 77 Resp: 168976

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.7

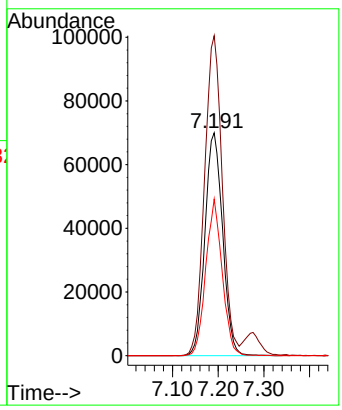




#27
cis-1,2-Dichloroethene
Concen: 52.636 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 96 Resp: 18776

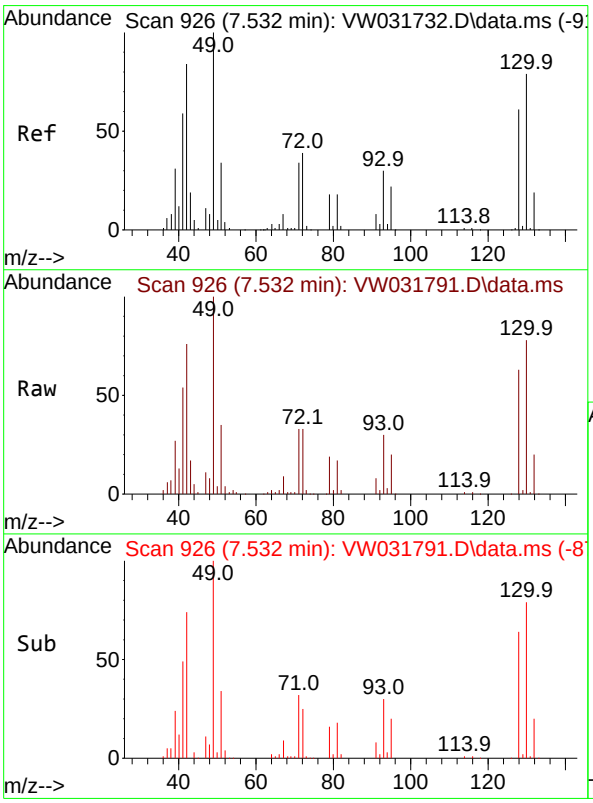
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	286.8
98	65.2	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

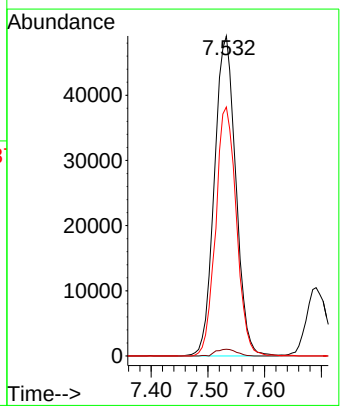
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

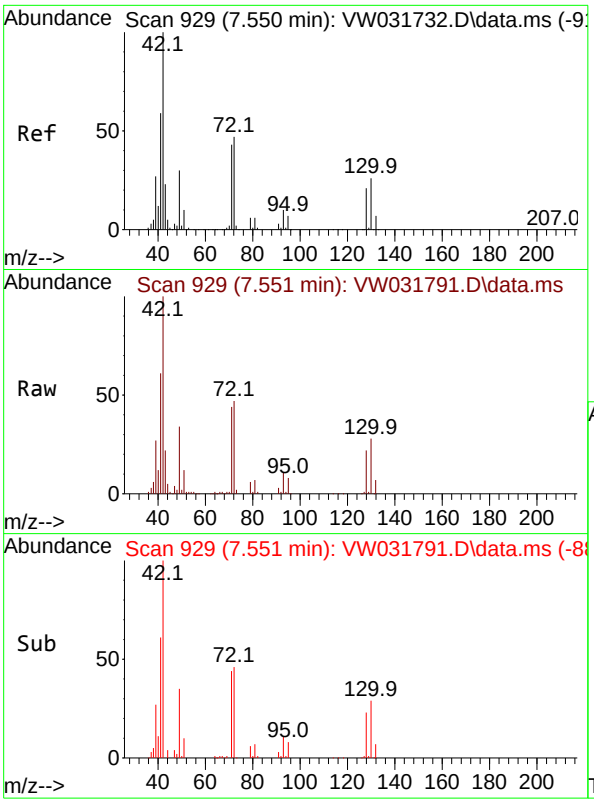


#28
Bromochloromethane
Concen: 51.462 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 49 Resp: 128678

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.4
130	75.3	61.3	91.9

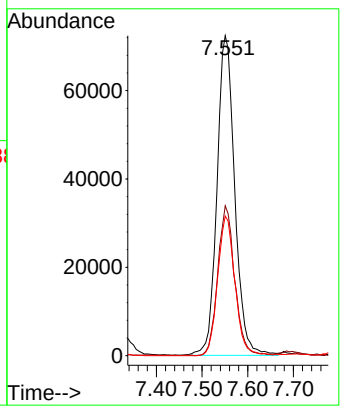




#29
Tetrahydrofuran
Concen: 252.916 ug/l
RT: 7.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 42 Resp: 19591

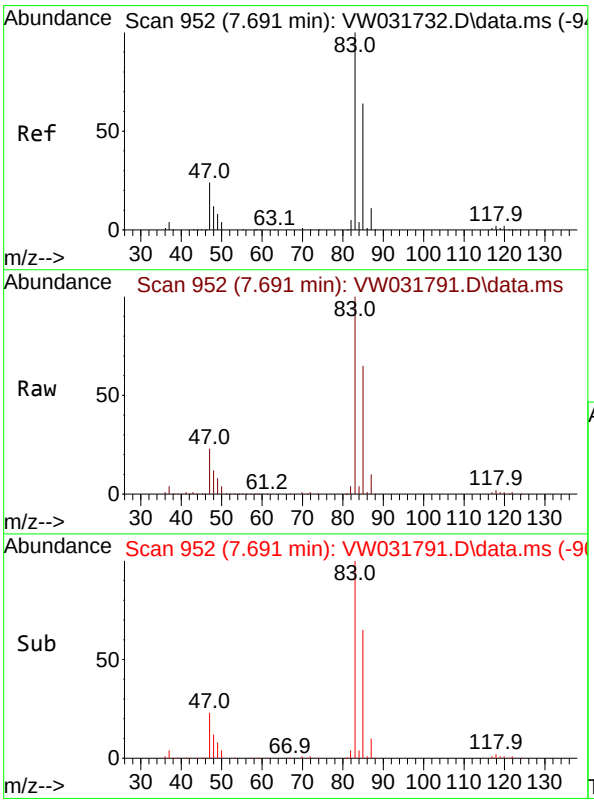
Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.8	55.2
71	42.4	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

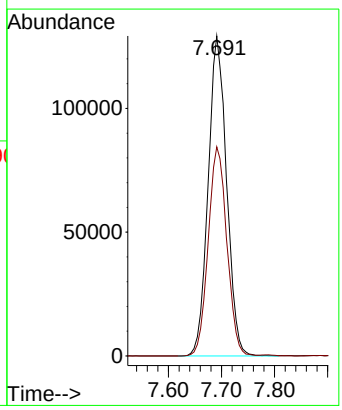
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

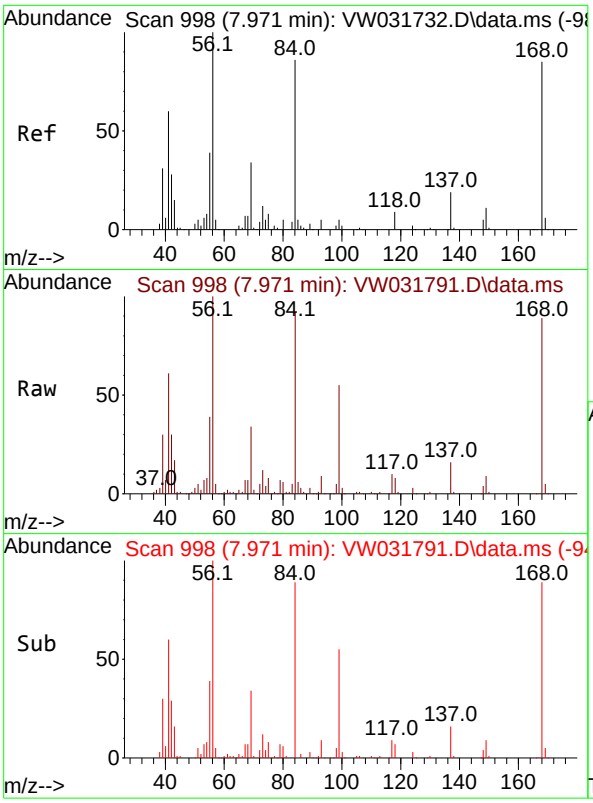


#30
Chloroform
Concen: 51.845 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 83 Resp: 312149

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0

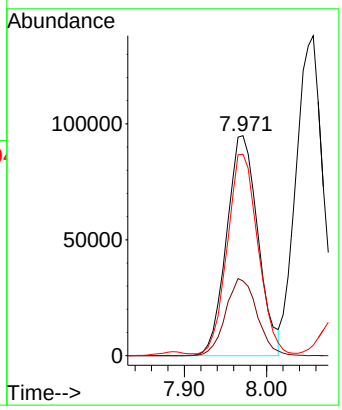




#31
Cyclohexane
Concen: 50.354 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 56 Resp: 25220

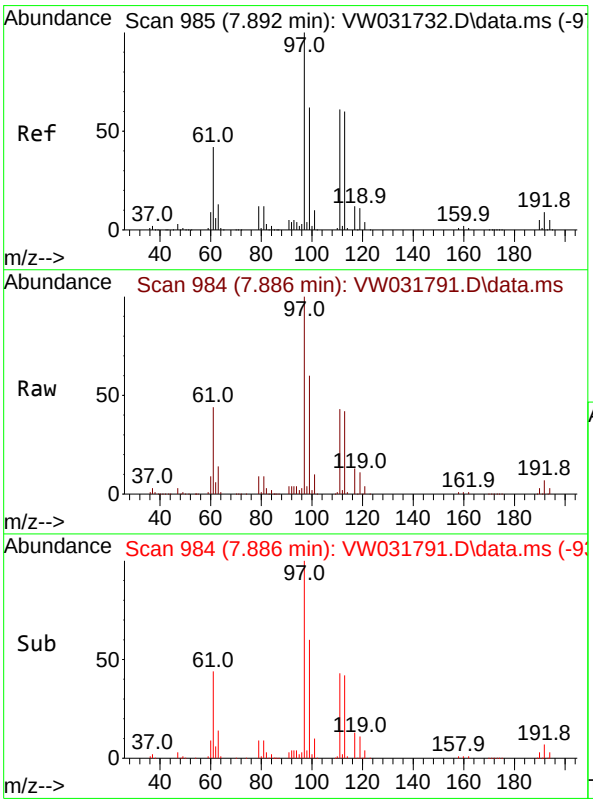
Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	89.9	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

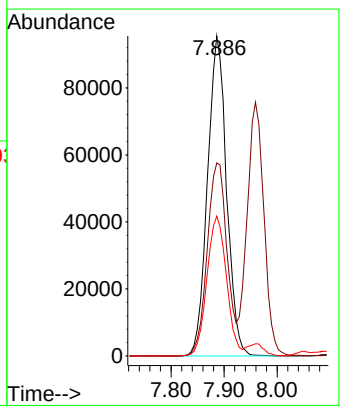
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

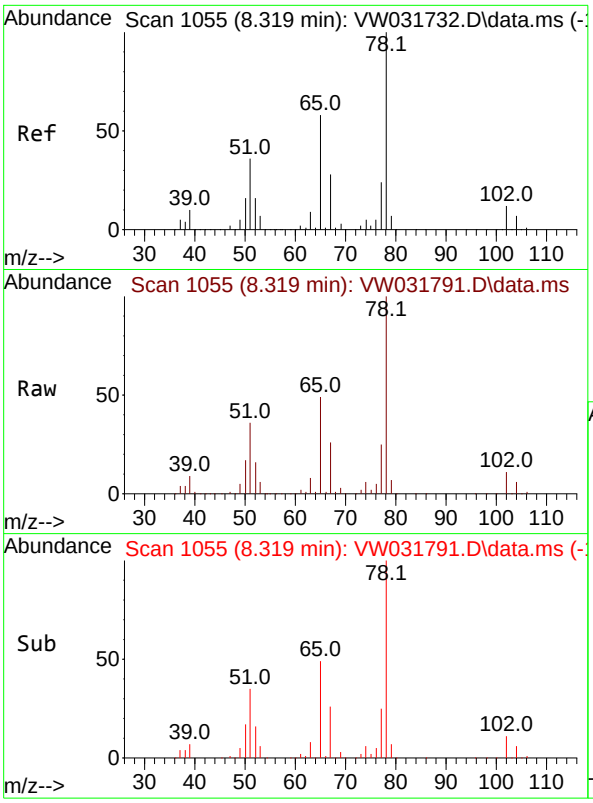


#32
1,1,1-Trichloroethane
Concen: 51.366 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 97 Resp: 238332

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.6
61	44.9	36.0	54.0

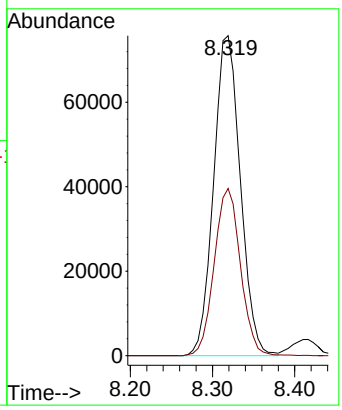




#33
1,2-Dichloroethane-d4
Concen: 48.778 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 65 Resp: 17158

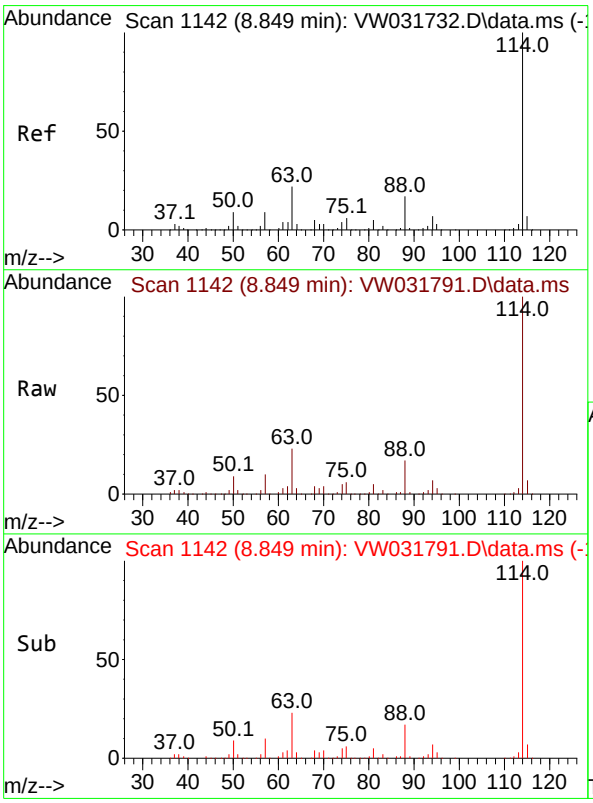
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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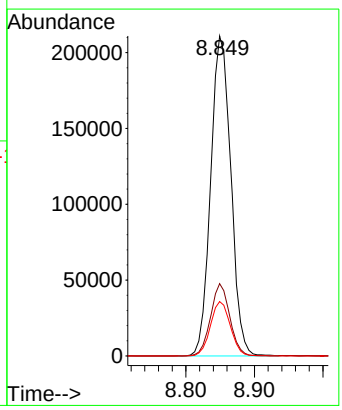
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

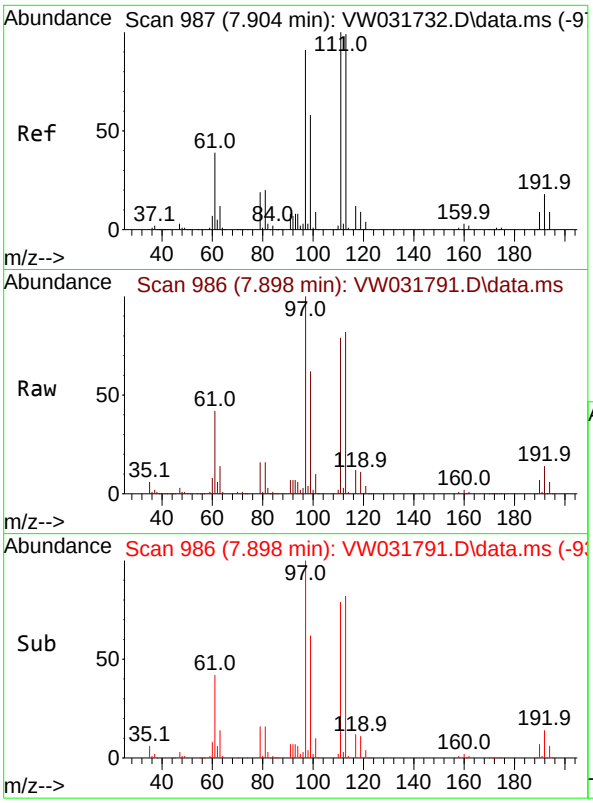


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:114 Resp: 431816

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.6
88	17.0	0.0	34.2

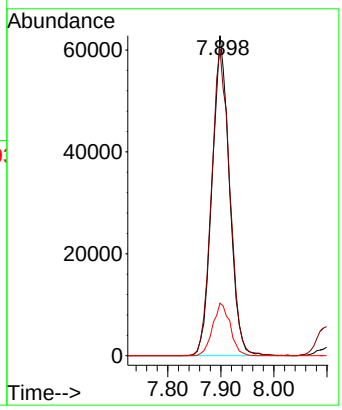




#35
Dibromofluoromethane
Concen: 50.475 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:113 Resp: 14222

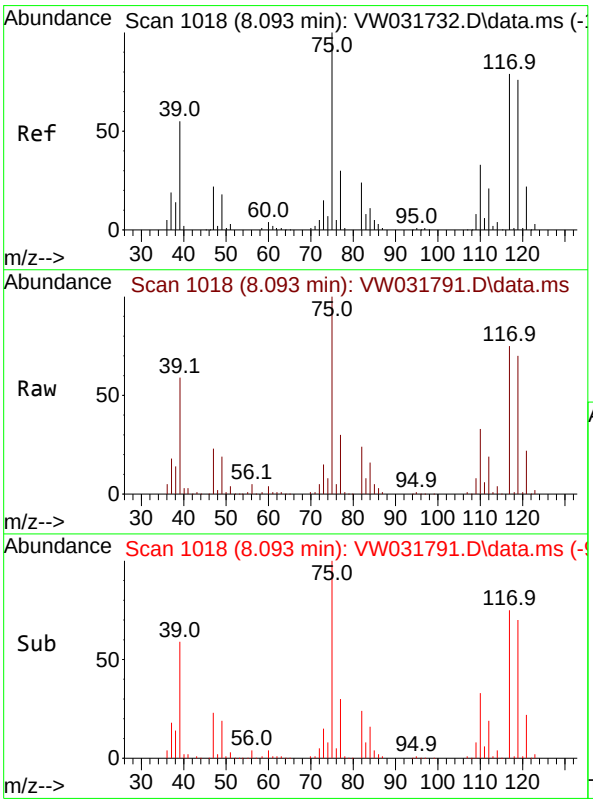
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.1	123.1
192	16.6	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

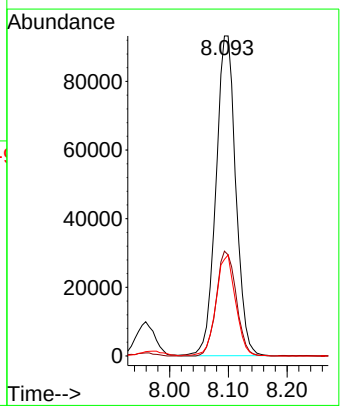
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

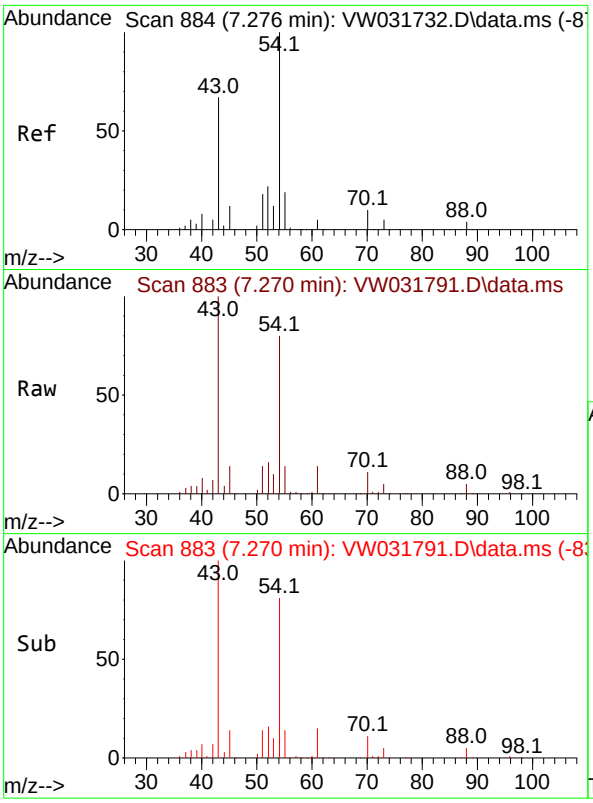


#36
1,1-Dichloropropene
Concen: 53.667 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 218825

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.8	50.4
77	31.1	25.0	37.6





#37
Ethyl Acetate
Concen: 49.147 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

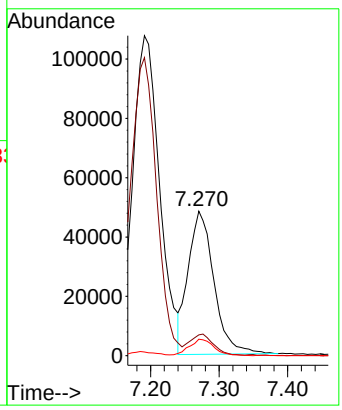
Tgt Ion: 43 Resp: 12641

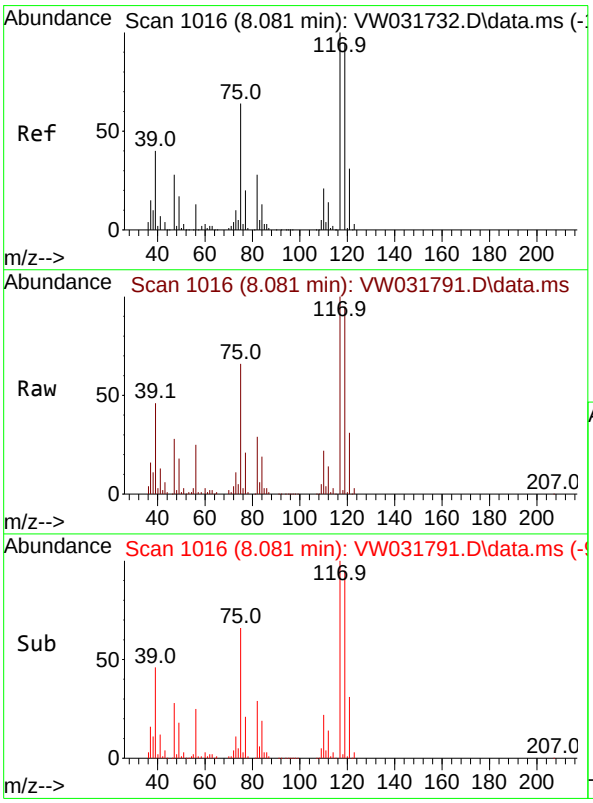
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	11.1	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

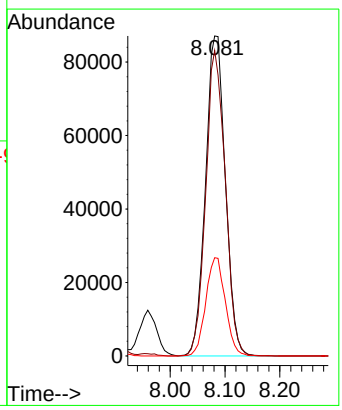


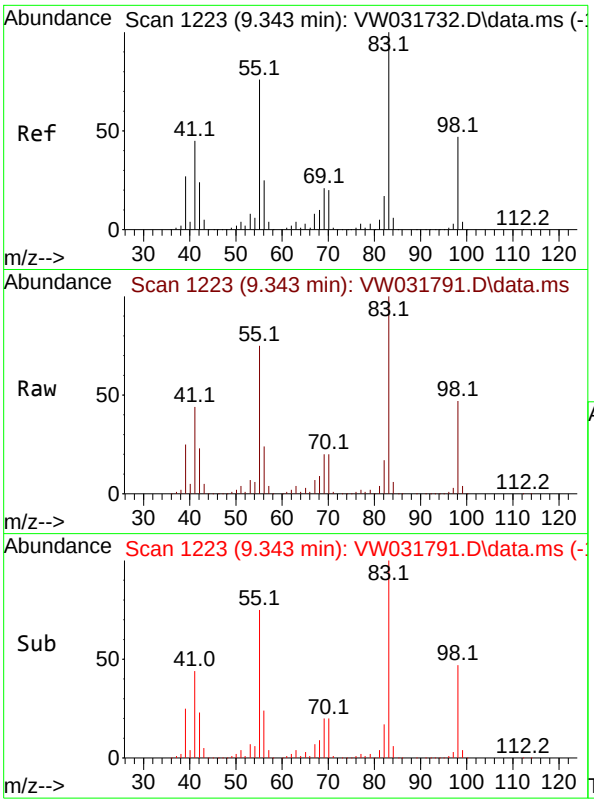


#38
Carbon Tetrachloride
Concen: 52.716 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:117 Resp: 219039

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	30.7	24.6	37.0

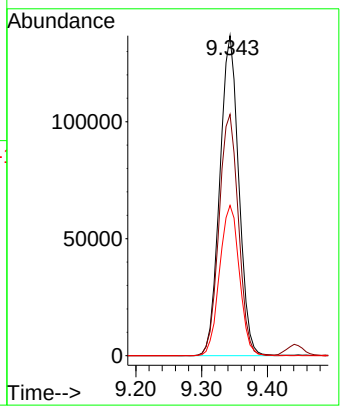




#39
Methylcyclohexane
Concen: 54.187 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 83 Resp: 27489

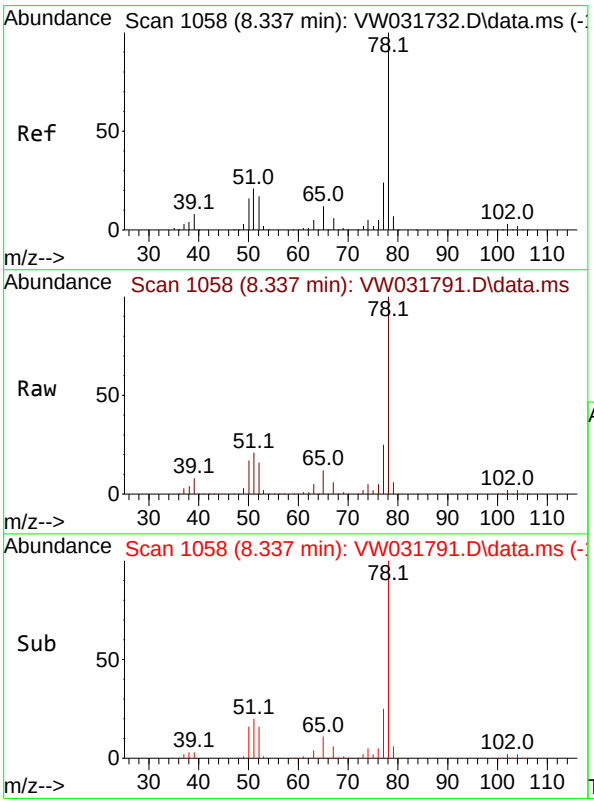
Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.0	91.4
98	47.0	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

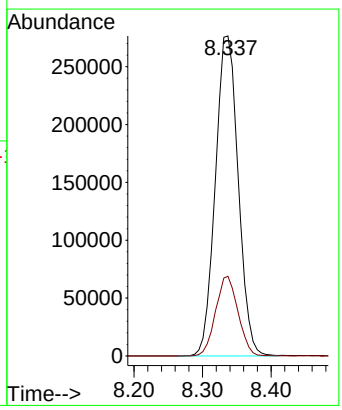
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

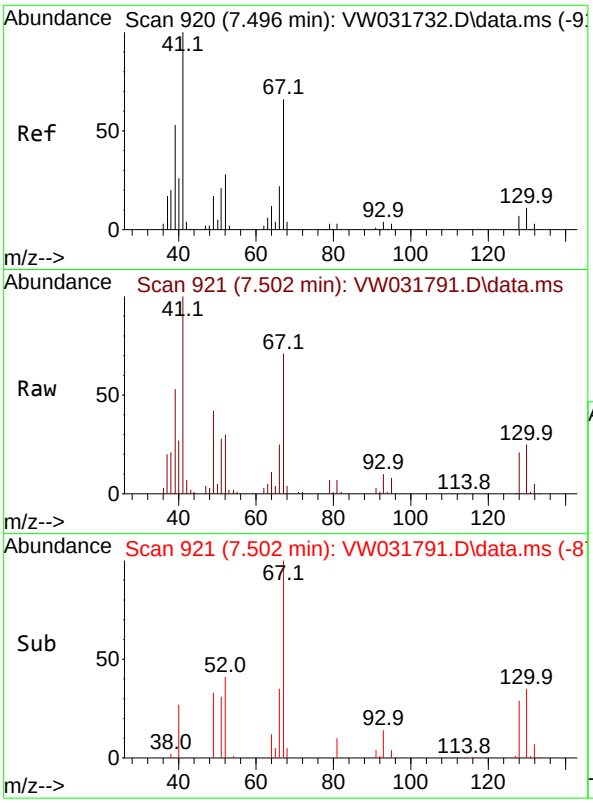


#40
Benzene
Concen: 53.067 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 78 Resp: 640183

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8

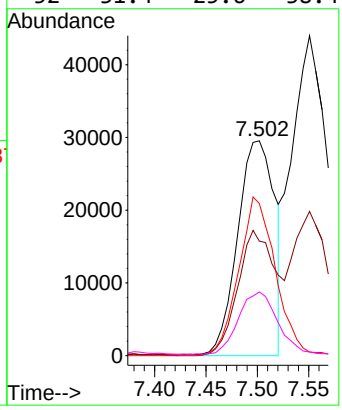




#41
Methacrylonitrile
Concen: 53.907 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 41 Resp: 7427

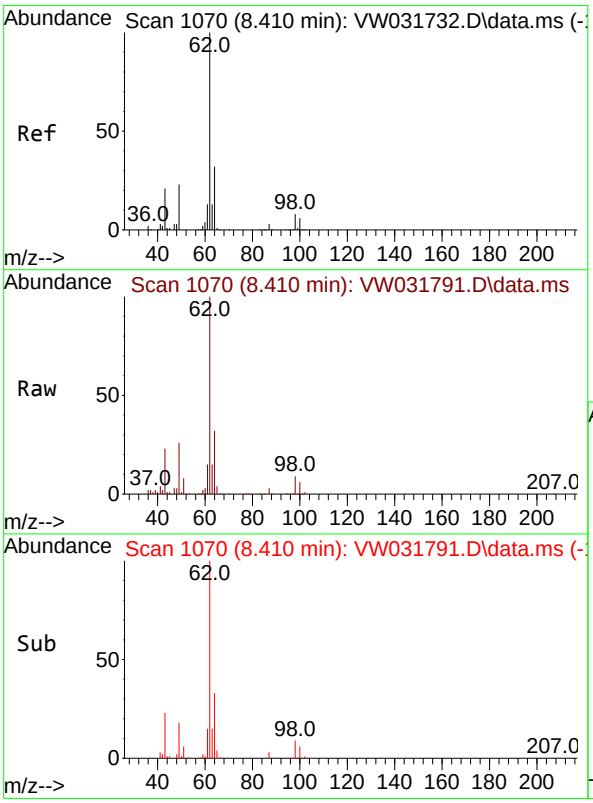
Ion	Ratio	Lower	Upper
41	100		
39	60.1	43.2	64.8
67	73.7	58.1	87.1
52	31.4	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

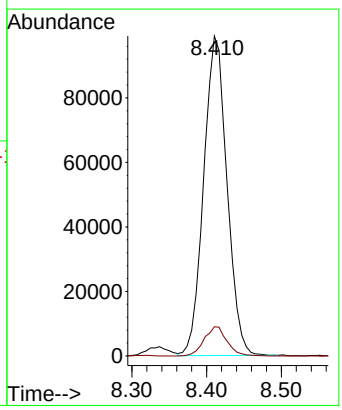
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

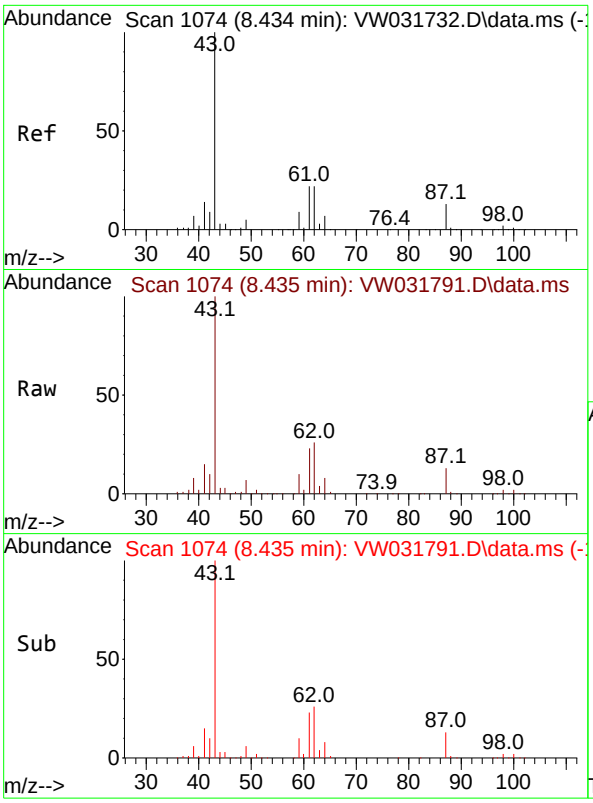


#42
1,2-Dichloroethane
Concen: 52.705 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 62 Resp: 214834

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2

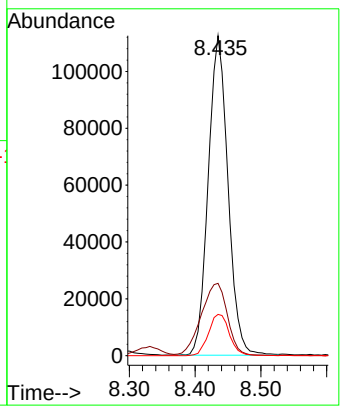




#43
Isopropyl Acetate
Concen: 53.059 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 23525

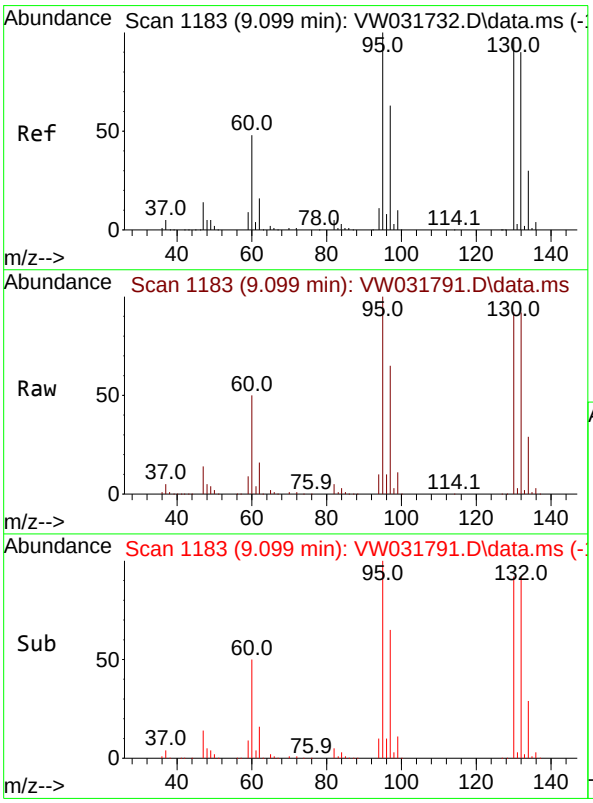
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.1	34.7
87	13.7	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

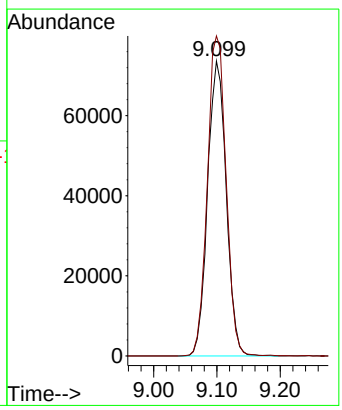
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

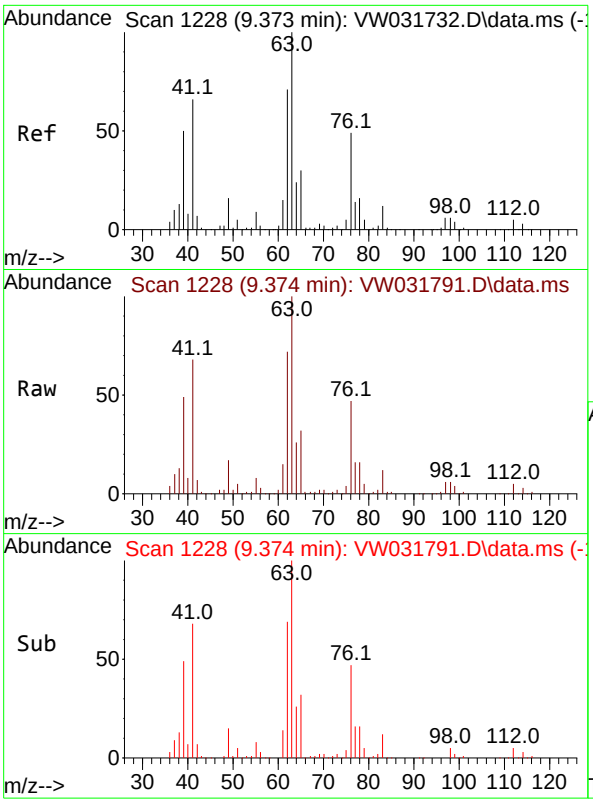


#44
Trichloroethene
Concen: 49.991 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:130 Resp: 150522

Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	208.6

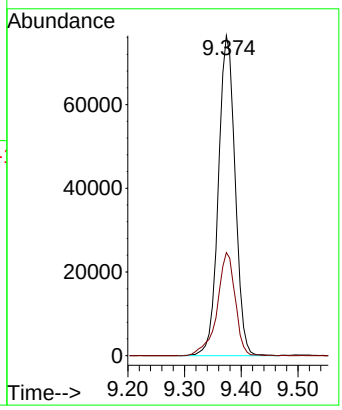




#45
1,2-Dichloropropane
Concen: 53.733 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 63 Resp: 15666

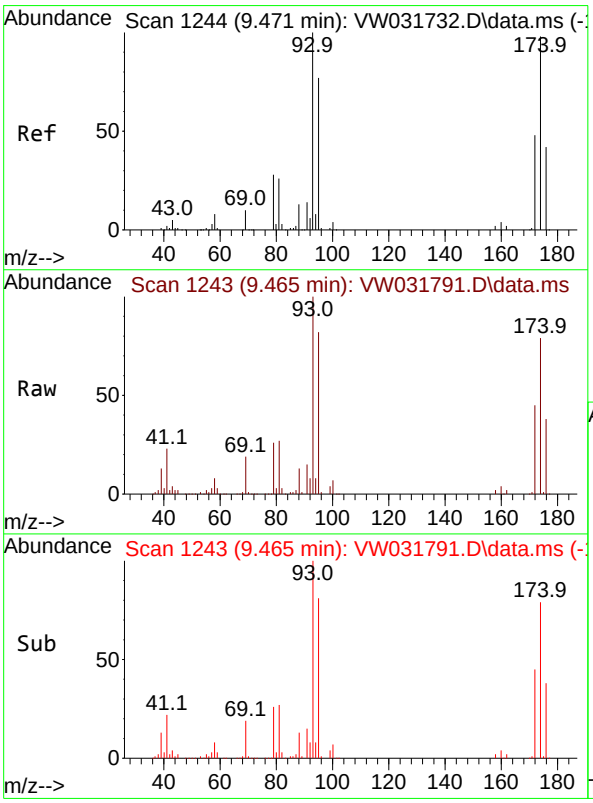
Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

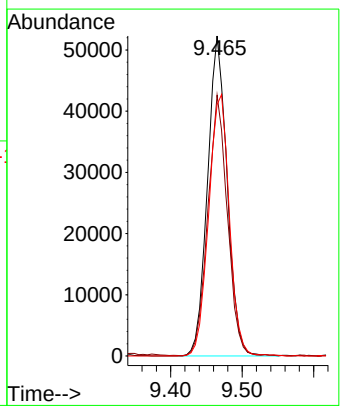
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

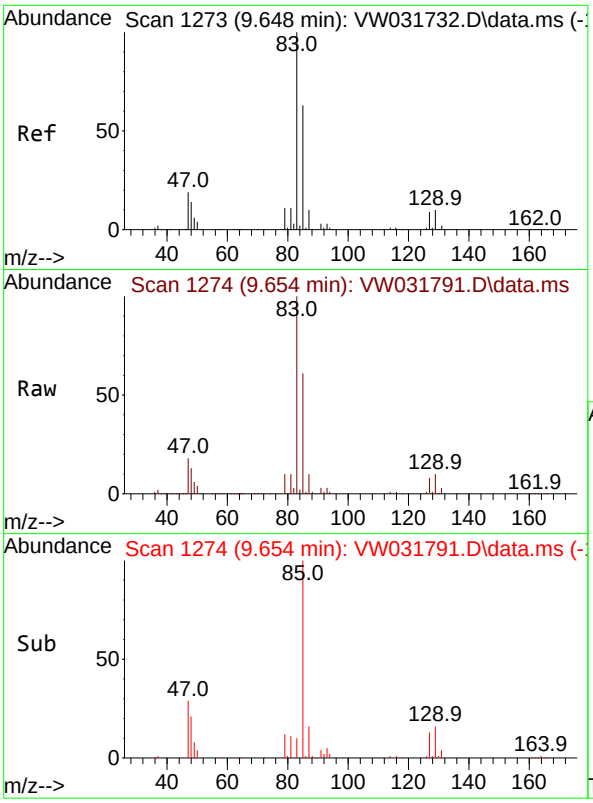


#46
Dibromomethane
Concen: 53.029 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 93 Resp: 99819

Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.0	100.4
174	85.8	71.7	107.5

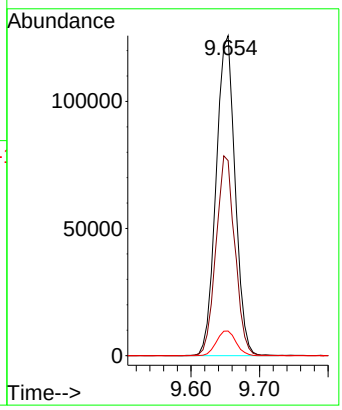




#47
Bromodichloromethane
Concen: 54.724 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 83 Resp: 24155

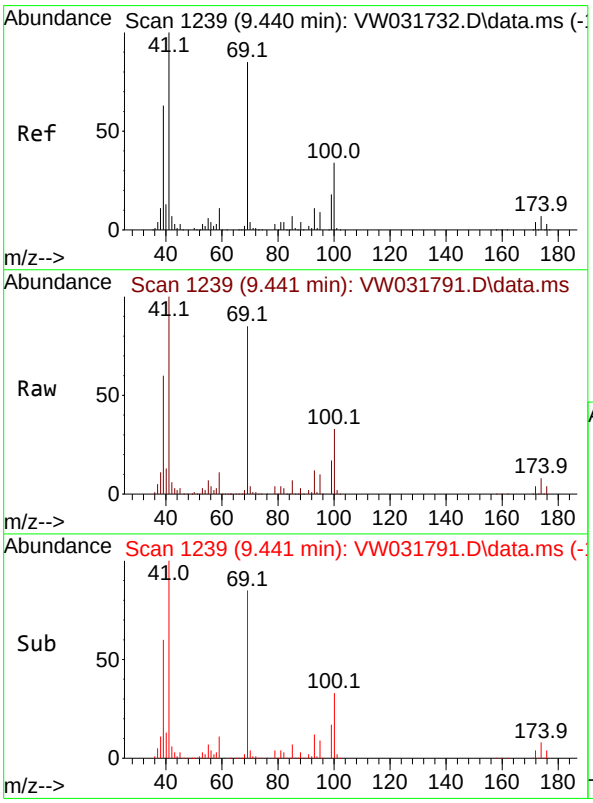
Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.8	76.2
127	7.7	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

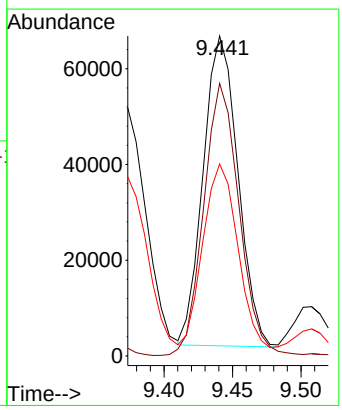
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

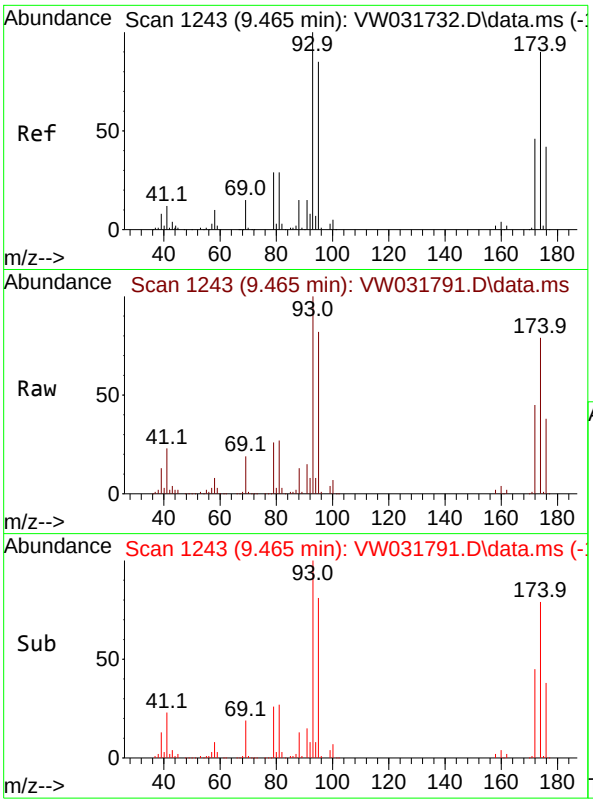


#48
Methyl methacrylate
Concen: 52.401 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 41 Resp: 114242

Ion	Ratio	Lower	Upper
41	100		
69	90.2	71.6	107.4
39	58.9	49.5	74.3

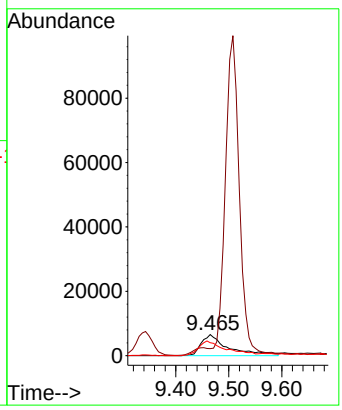




#49
1,4-Dioxane
Concen: 1059.780 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 88 Resp: 2336

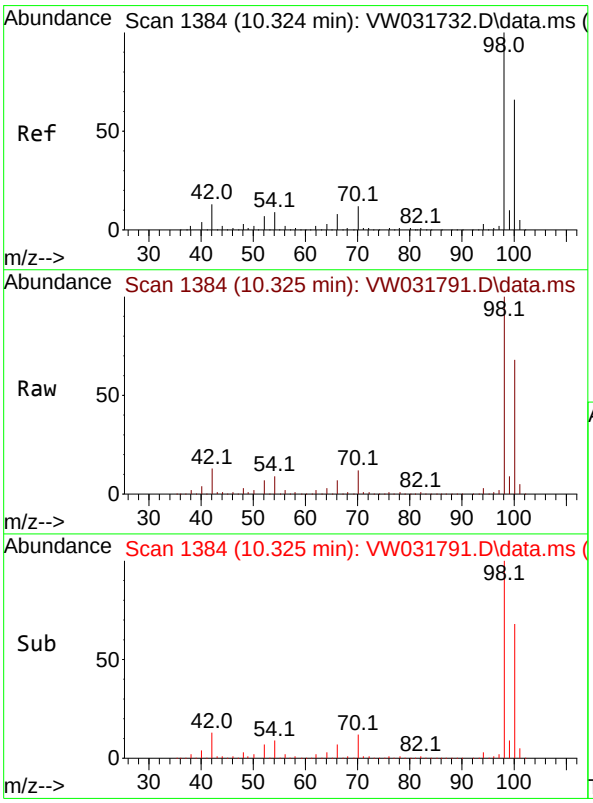
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.3	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

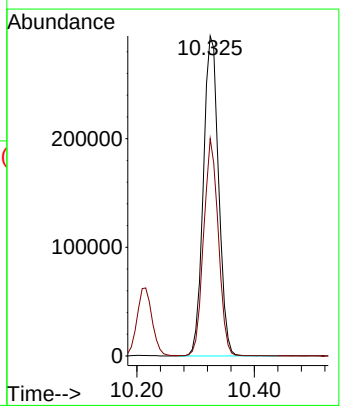
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

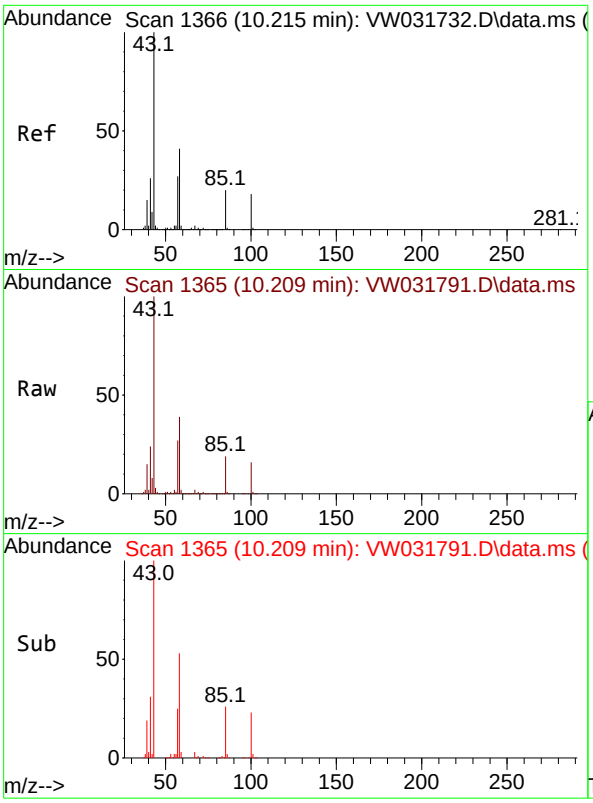


#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 98 Resp: 531723

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4

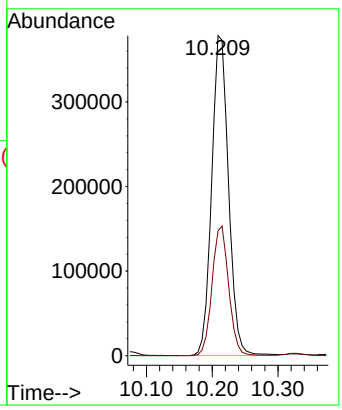




#51
4-Methyl-2-Pentanone
Concen: 264.687 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 67470

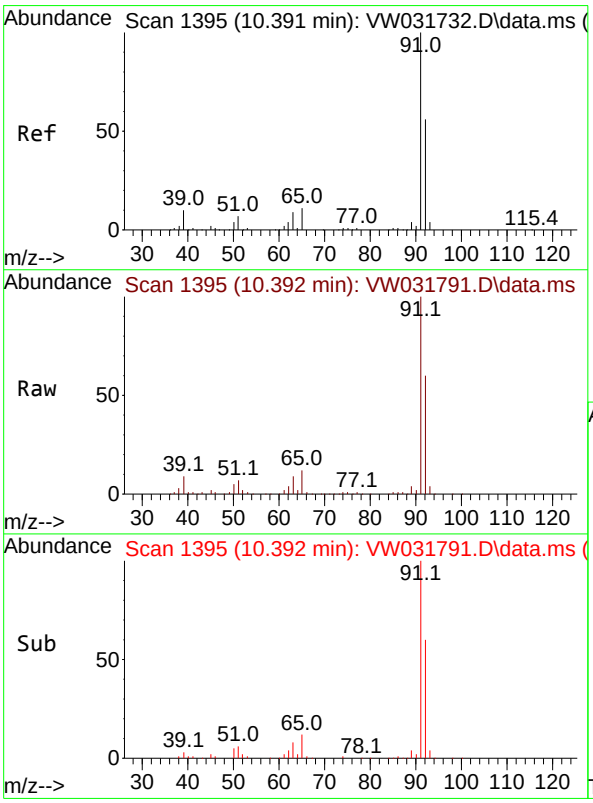
Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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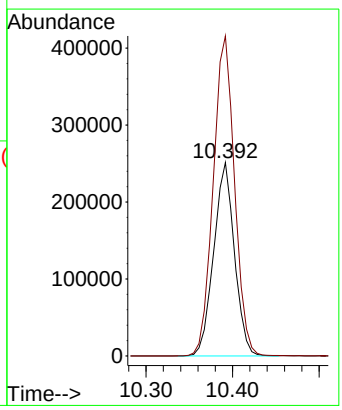
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

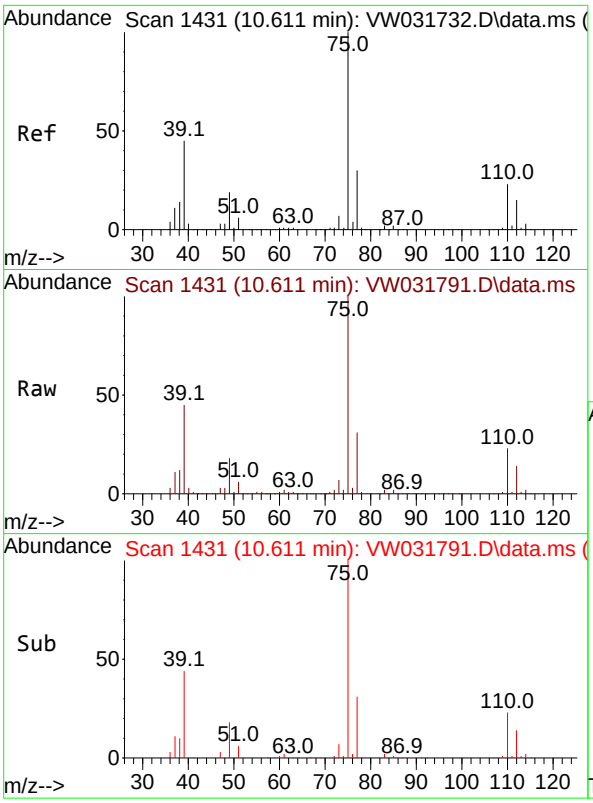


#52
Toluene
Concen: 54.087 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 92 Resp: 417758

Ion	Ratio	Lower	Upper
92	100		
91	170.5	139.5	209.3

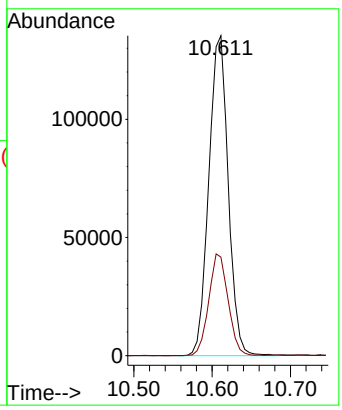




#53
t-1,3-Dichloropropene
Concen: 56.253 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 23297

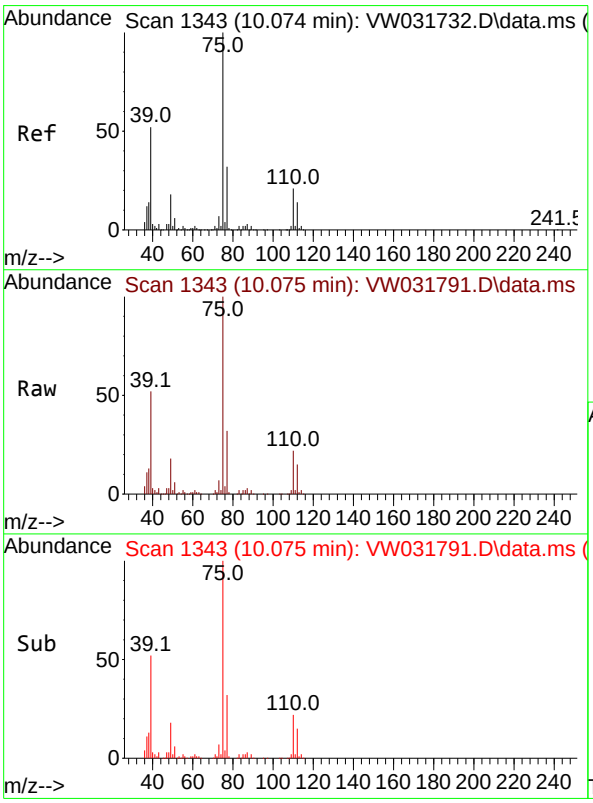
Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

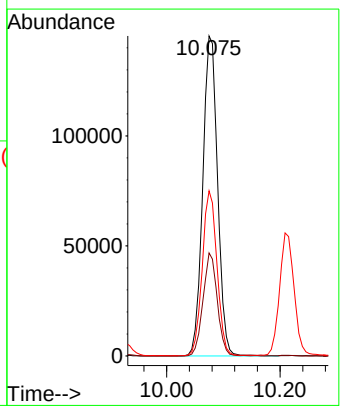
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

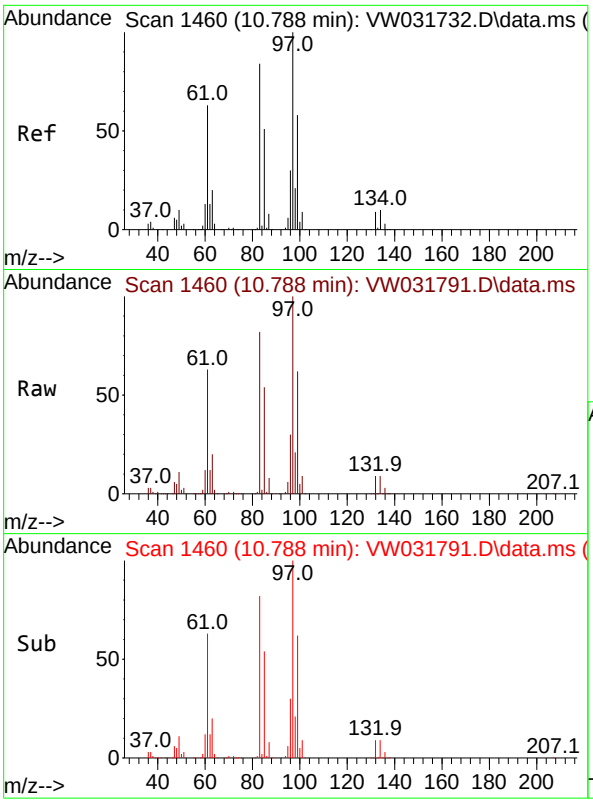


#54
cis-1,3-Dichloropropene
Concen: 56.150 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 263620

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	51.5	41.8	62.6

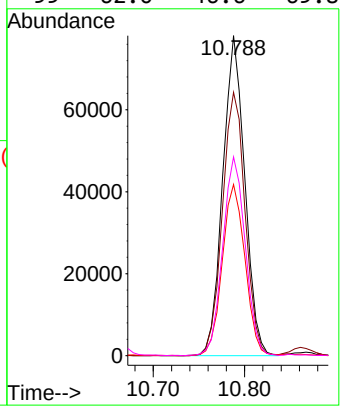




#55
1,1,2-Trichloroethane
Concen: 53.040 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 97 Resp: 13078

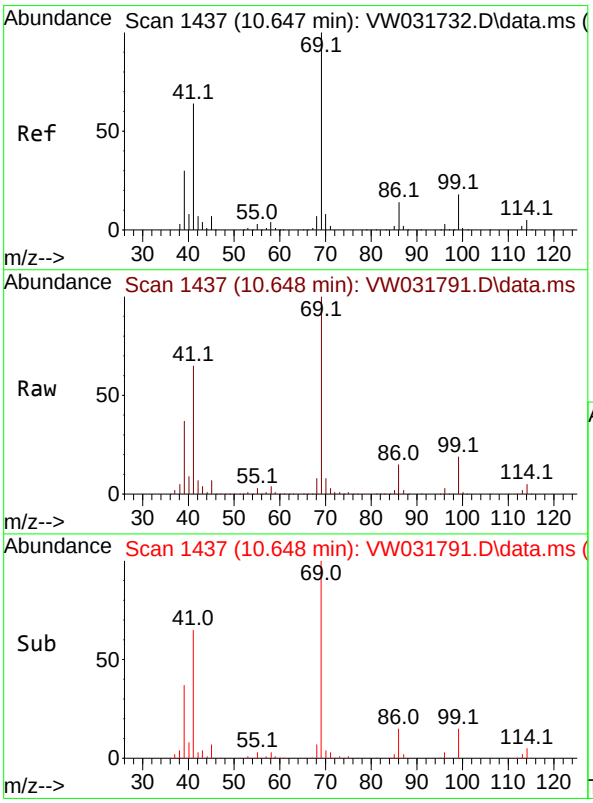
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.9	100.3
85	53.5	41.1	61.7
99	62.0	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

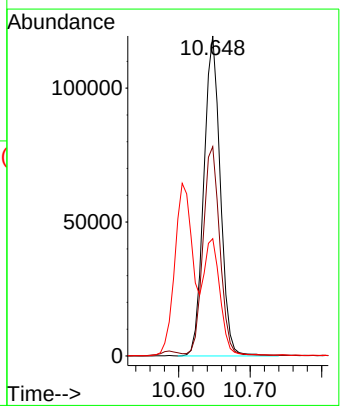
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

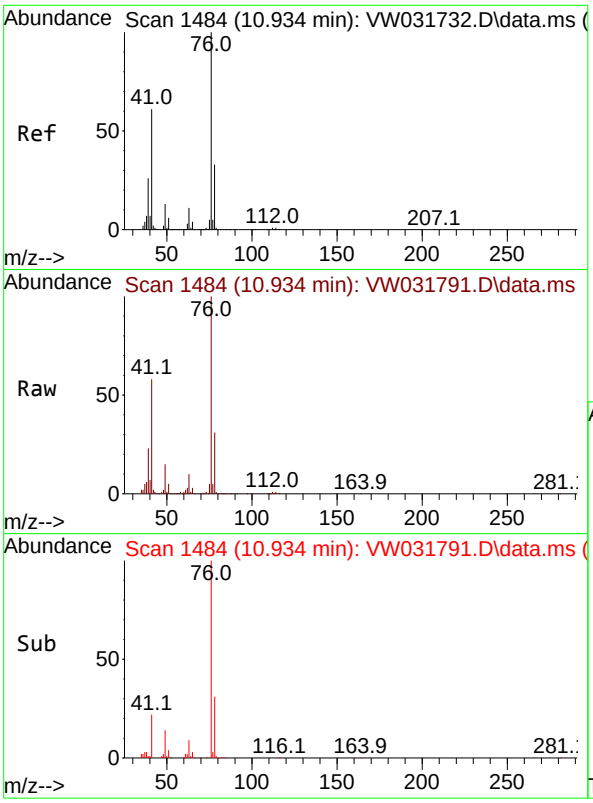


#56
Ethyl methacrylate
Concen: 57.193 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 69 Resp: 191318

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.3	79.9
39	34.8	30.2	45.2

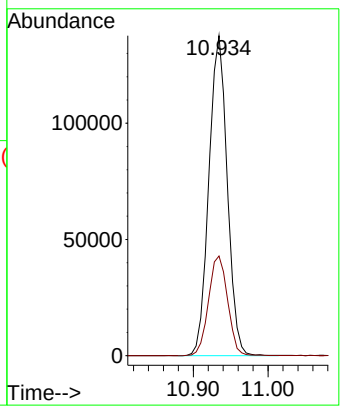




#57
1,3-Dichloropropane
Concen: 54.227 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 76 Resp: 23475

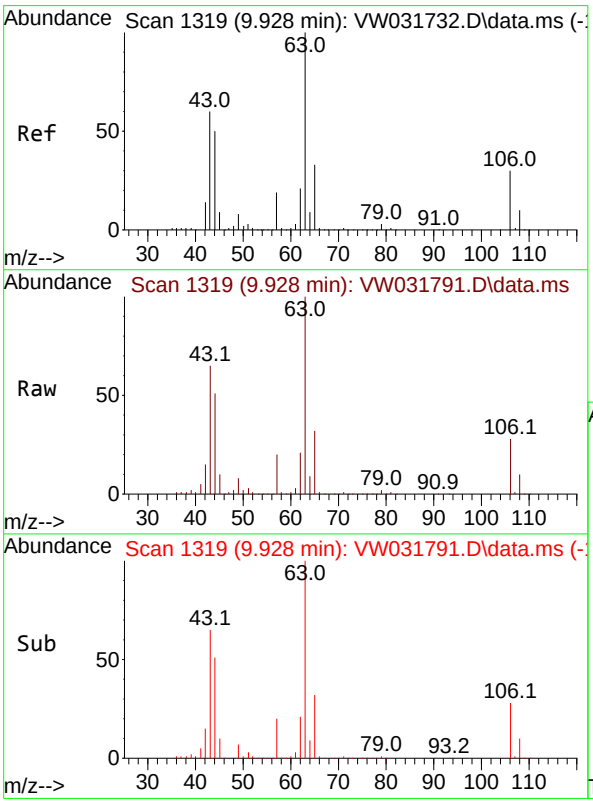
Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

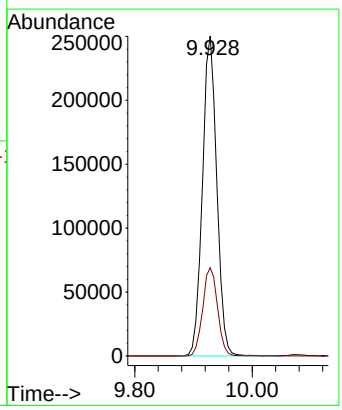
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

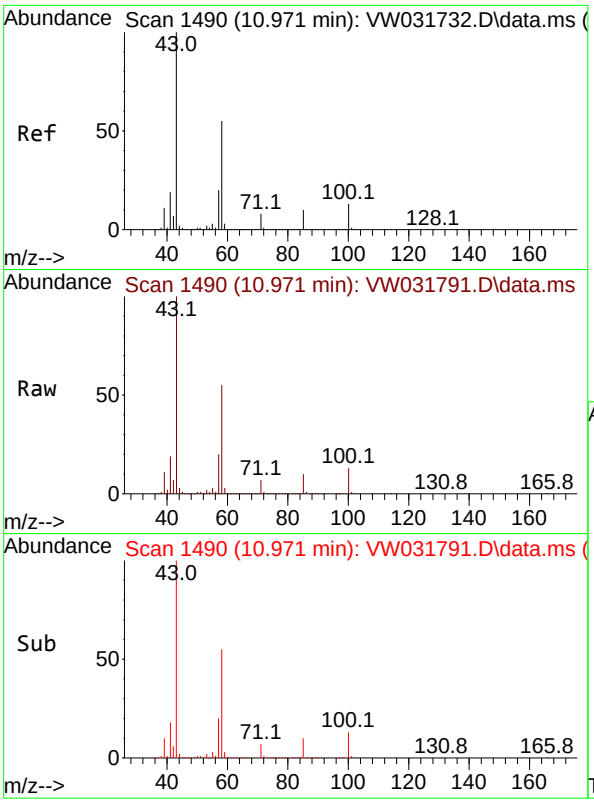


#58
2-Chloroethyl Vinyl ether
Concen: 230.437 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 63 Resp: 424465

Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.1	36.1





#59
2-Hexanone
Concen: 273.918 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

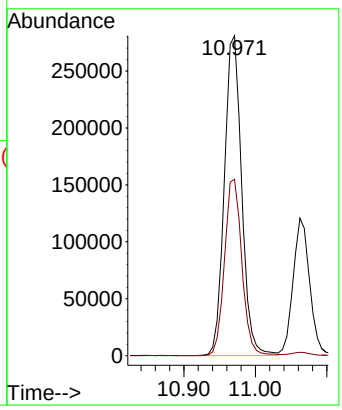
Tgt Ion: 43 Resp: 47315

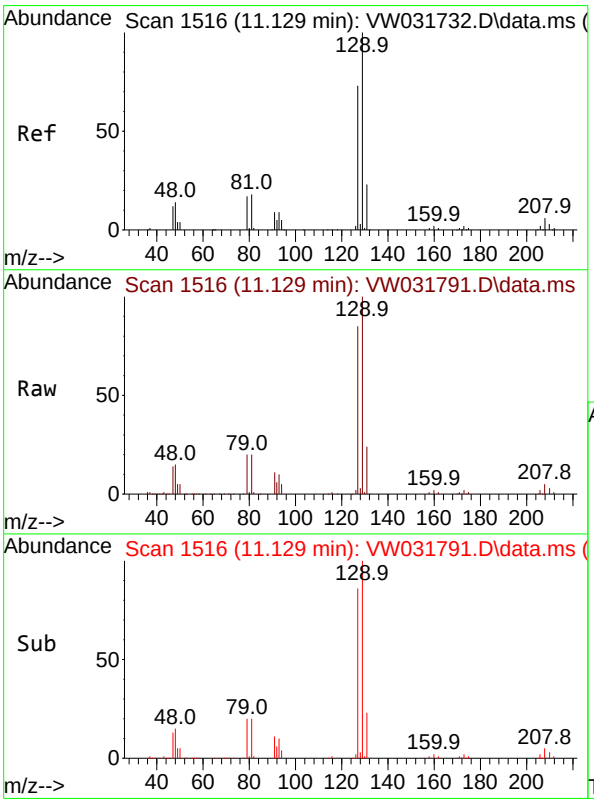
Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

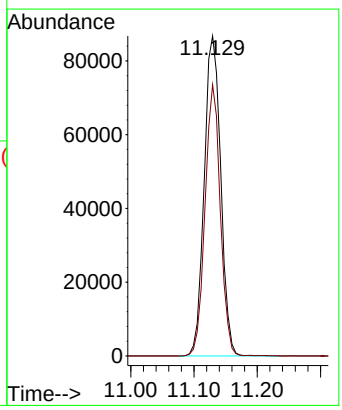


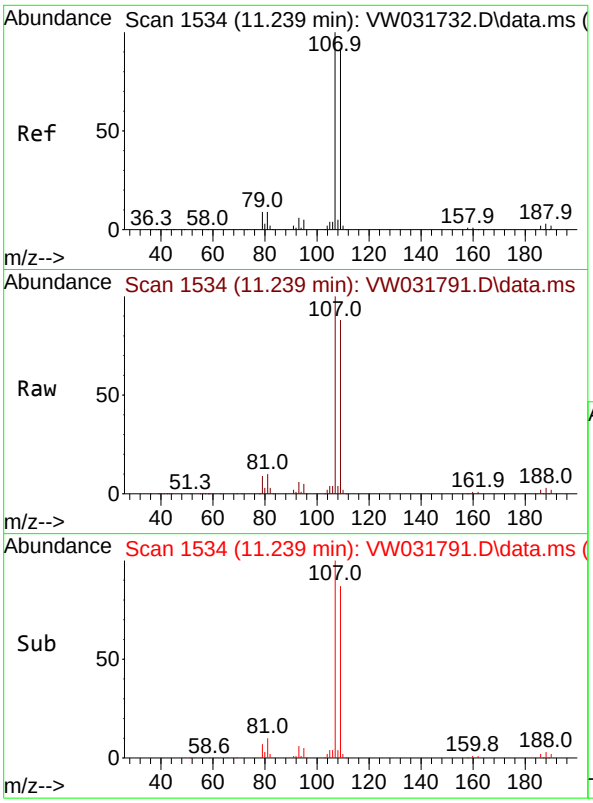


#60
Dibromochloromethane
Concen: 53.437 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:129 Resp: 157563

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.0	114.1

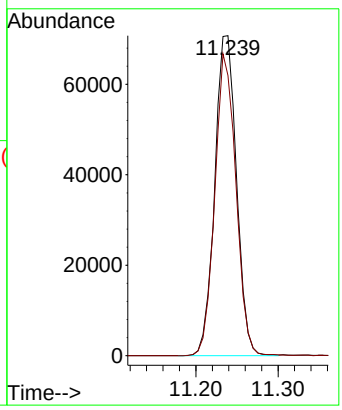




#61
1,2-Dibromoethane
Concen: 52.626 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:107 Resp: 12990

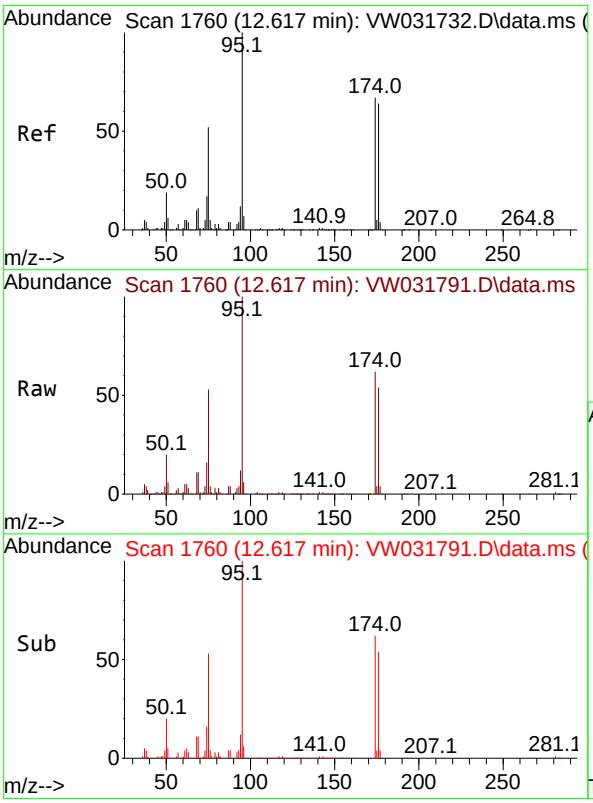
Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

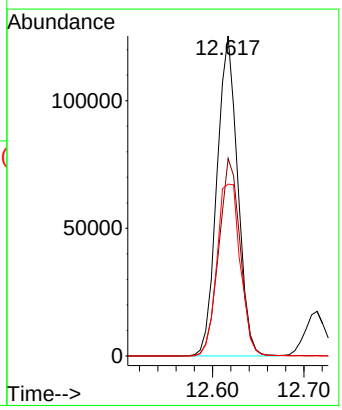
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

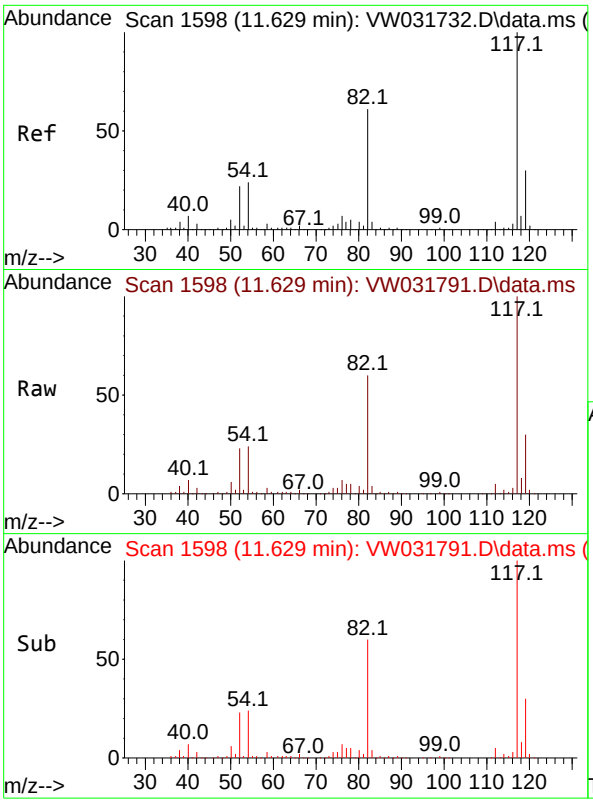


#62
4-Bromofluorobenzene
Concen: 51.310 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 95 Resp: 197999

Ion	Ratio	Lower	Upper
95	100		
174	63.3	0.0	133.8
176	61.0	0.0	126.0

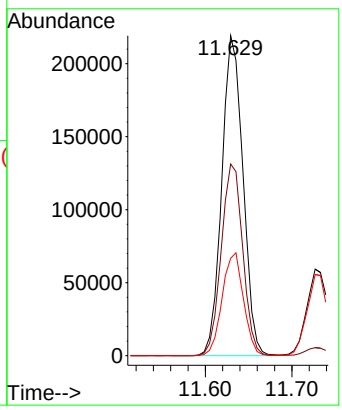




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:117 Resp: 37270

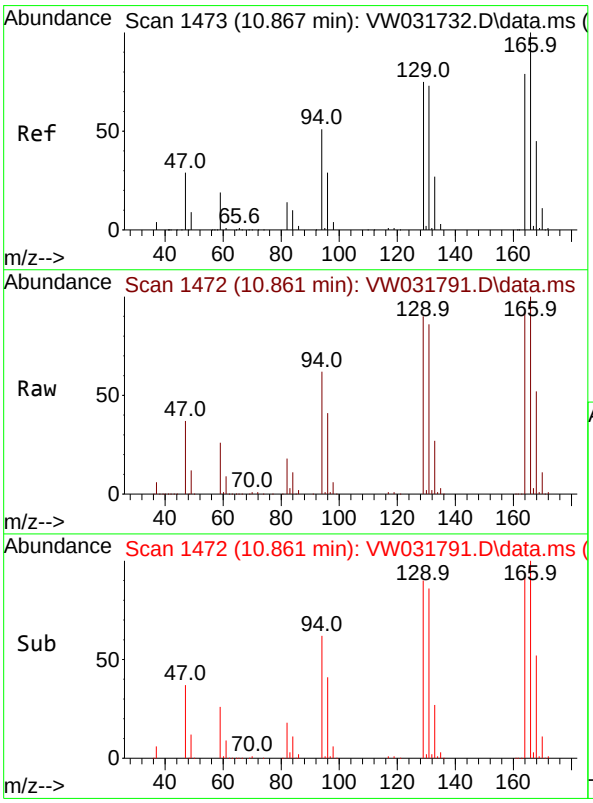
Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.6	72.8
119	30.5	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

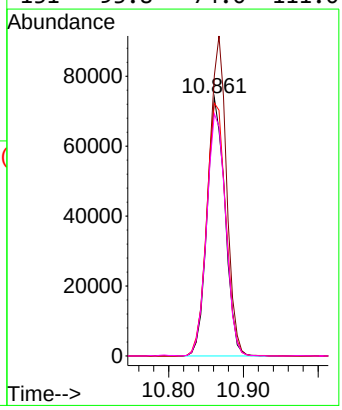
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

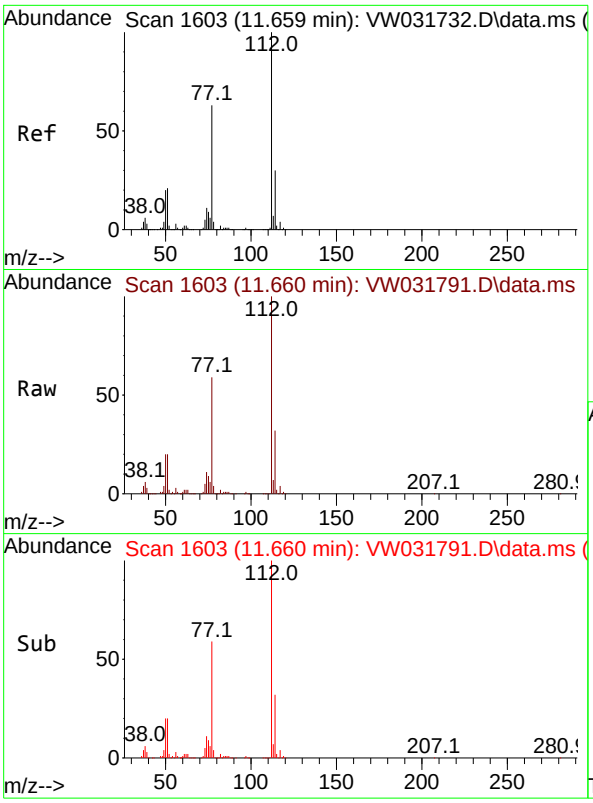


#64
Tetrachloroethene
Concen: 50.476 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:164 Resp: 123056

Ion	Ratio	Lower	Upper
164	100		
166	108.7	100.7	151.1
129	98.0	75.4	113.0
131	93.8	74.0	111.0

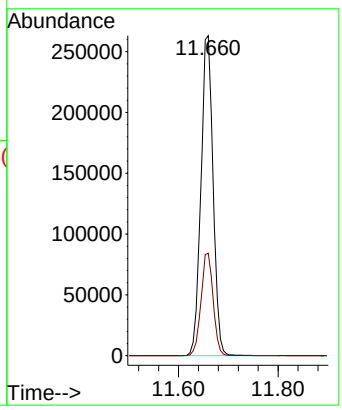




#65
Chlorobenzene
Concen: 54.120 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:112 Resp: 44503

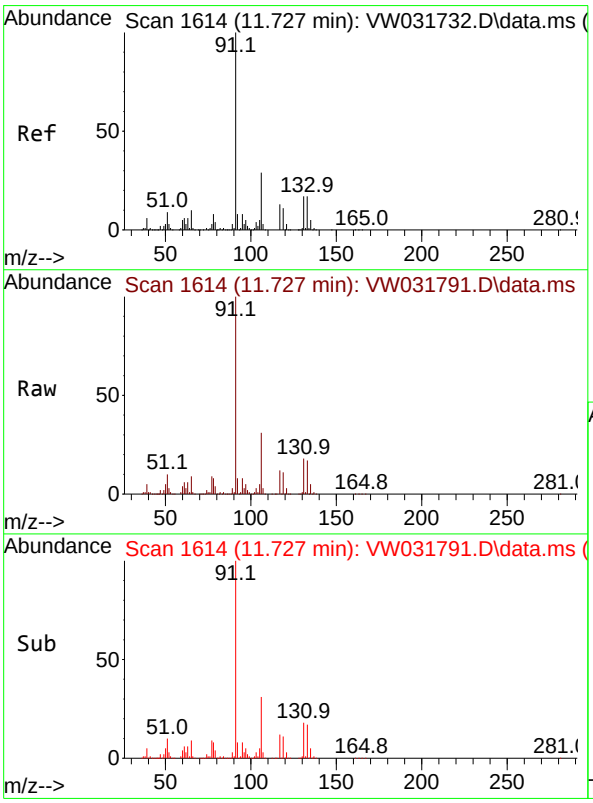
Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

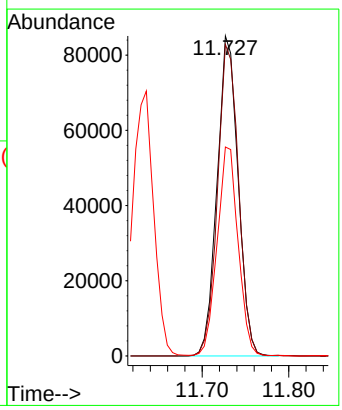
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

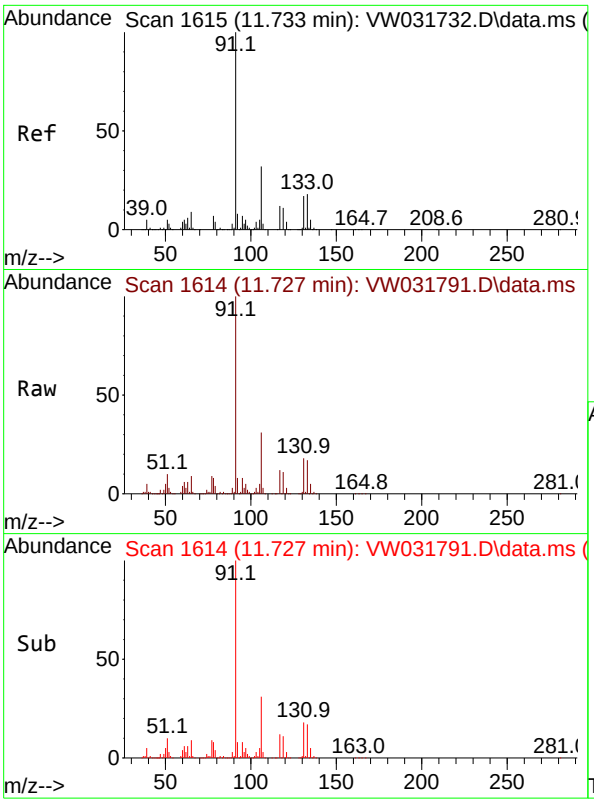


#66
1,1,1,2-Tetrachloroethane
Concen: 54.724 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:131 Resp: 143400

Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.5	145.6
119	65.0	32.5	97.5





#67
Ethyl Benzene
Concen: 55.536 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

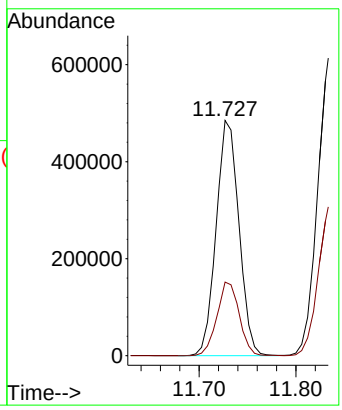
Tgt Ion: 91 Resp: 79190

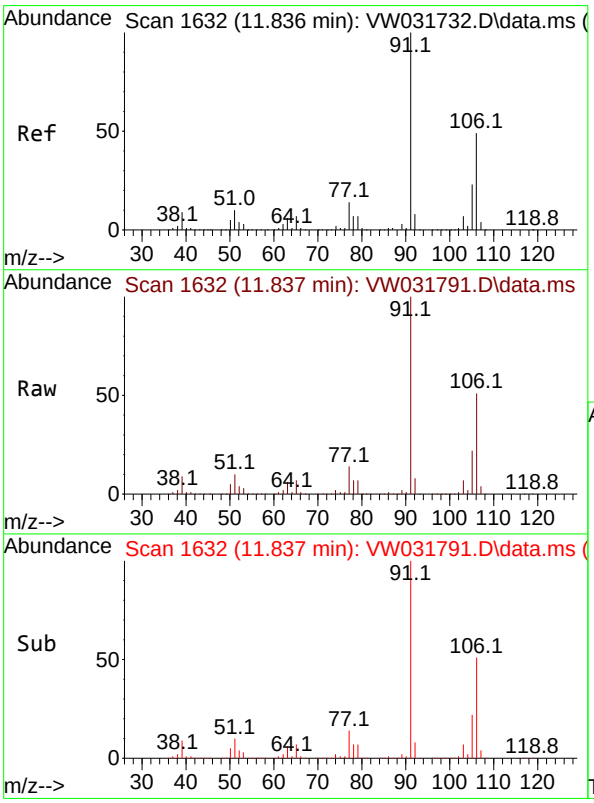
Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

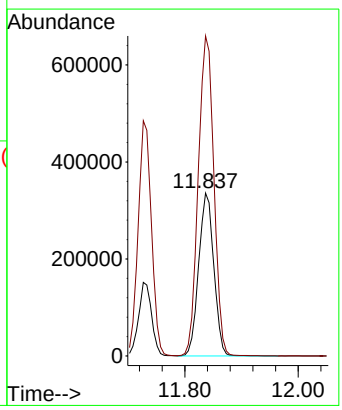


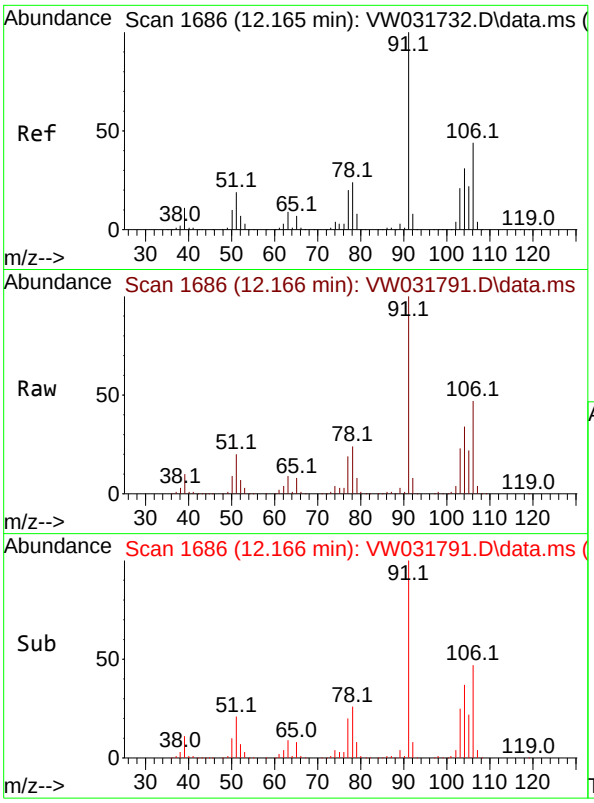


#68
m/p-Xylenes
Concen: 113.445 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:106 Resp: 621844

Ion	Ratio	Lower	Upper
106	100		
91	203.1	166.4	249.6

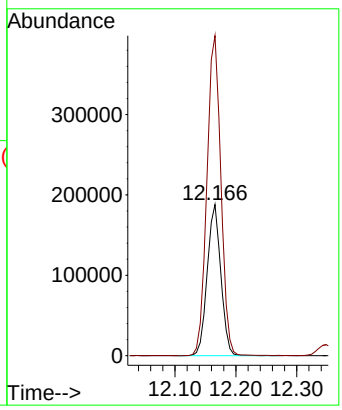




#69
o-Xylene
Concen: 57.372 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:106 Resp: 29117

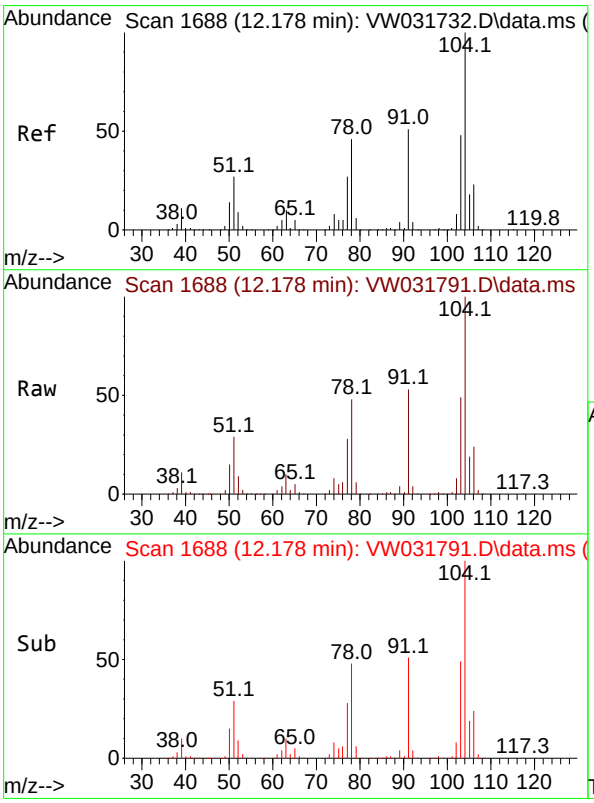
Ion	Ratio	Lower	Upper
106	100		
91	218.0	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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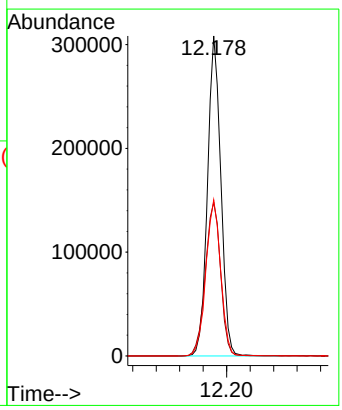
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

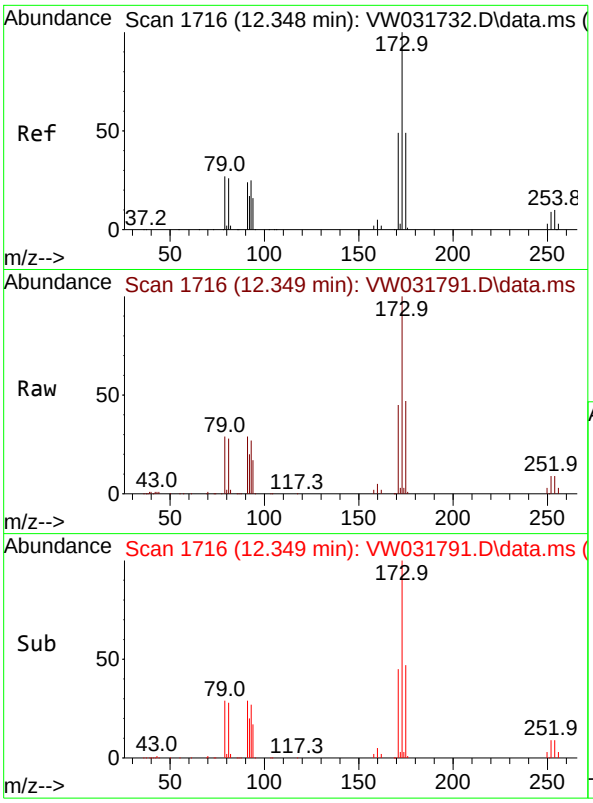


#70
Styrene
Concen: 55.530 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:104 Resp: 487219

Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.1	63.1
103	53.9	43.0	64.6

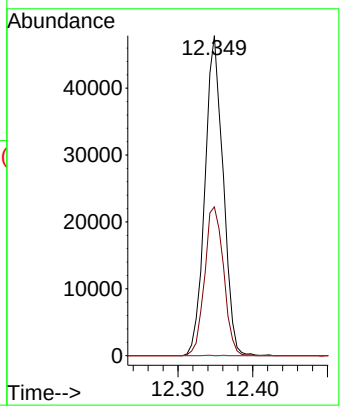




#71
Bromoform
Concen: 51.797 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

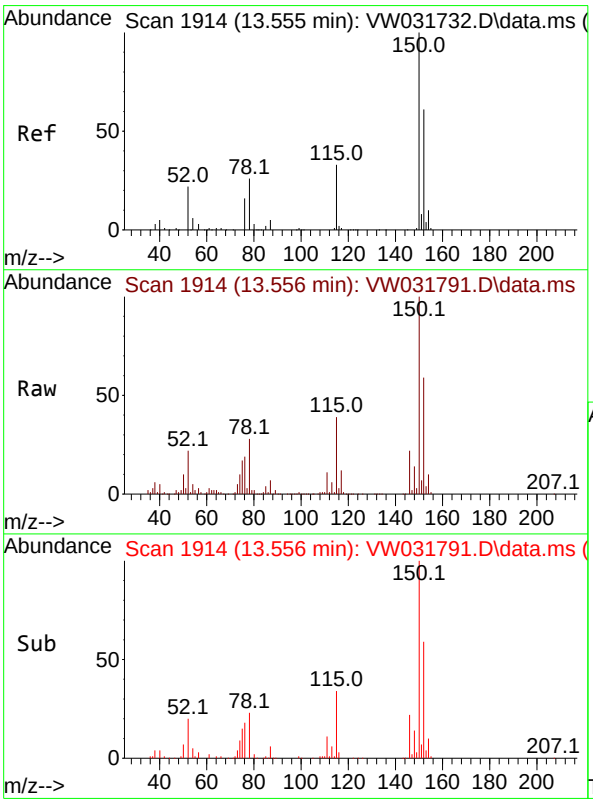
Tgt Ion:173 Resp: 8097

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.0	72.0
254	0.1	0.1	0.1



Instrument :
MSVOA_W
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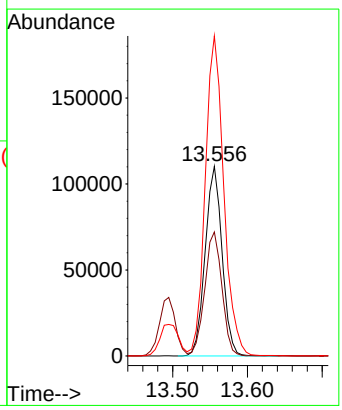
Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

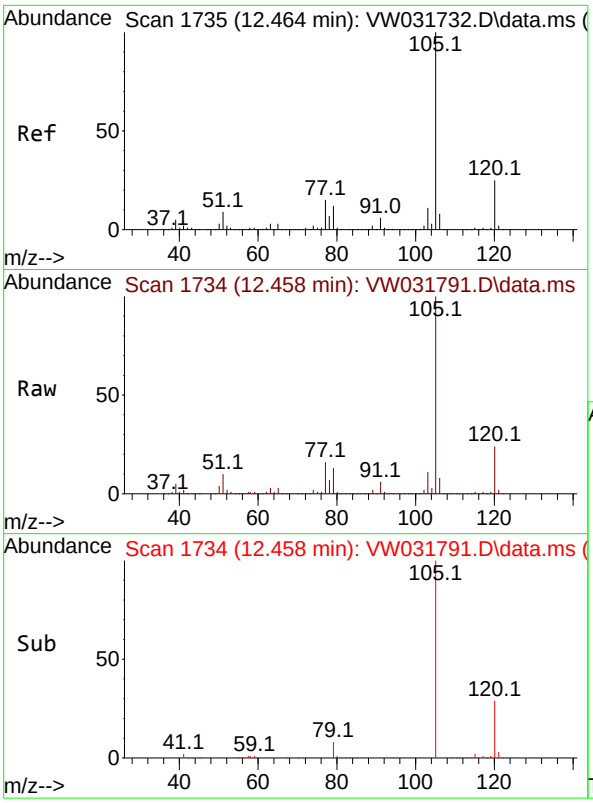


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:152 Resp: 173821

Ion	Ratio	Lower	Upper
152	100		
115	66.3	31.9	95.7
150	184.3	0.0	356.4

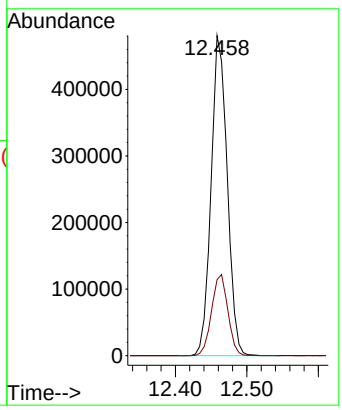




#73
Isopropylbenzene
Concen: 56.847 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 75162

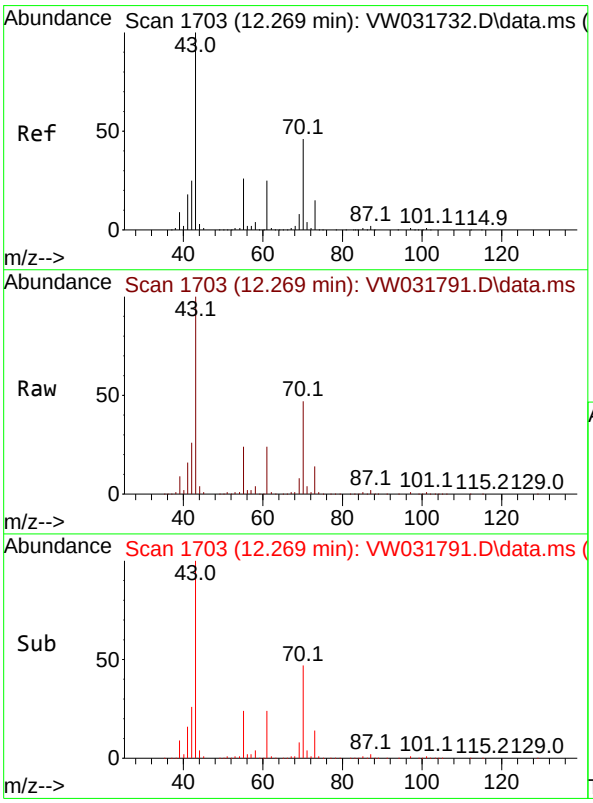
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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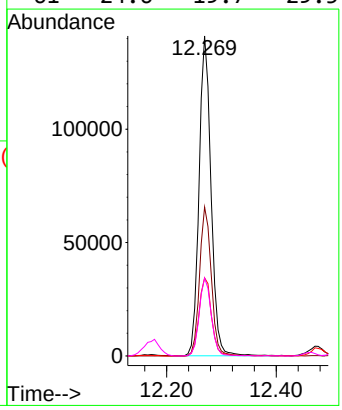
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

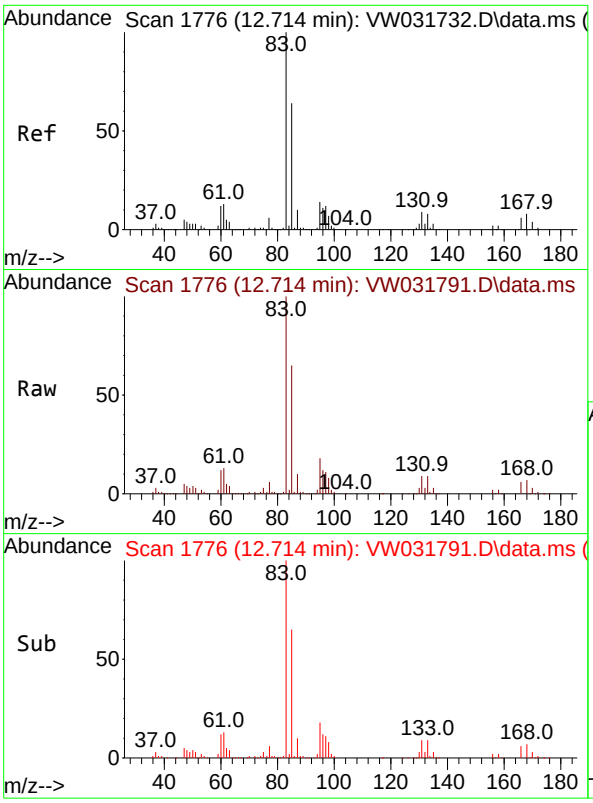


#74
N-amyl acetate
Concen: 59.970 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 213716

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.0	54.0
55	25.5	20.8	31.2
61	24.6	19.7	29.5

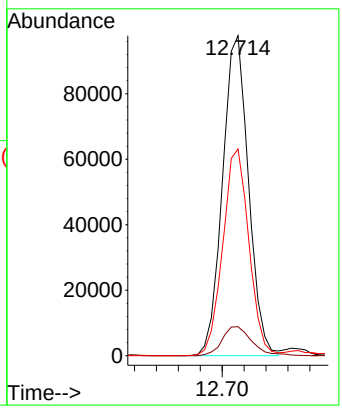




#75
1,1,2,2-Tetrachloroethane
Concen: 54.777 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 83 Resp: 16078

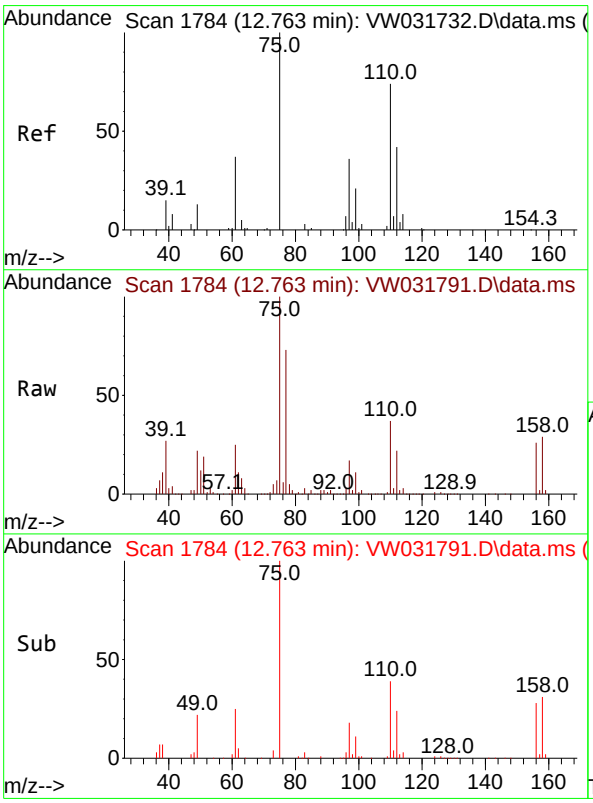
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	65.0	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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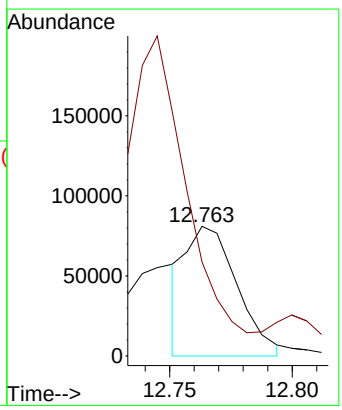
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

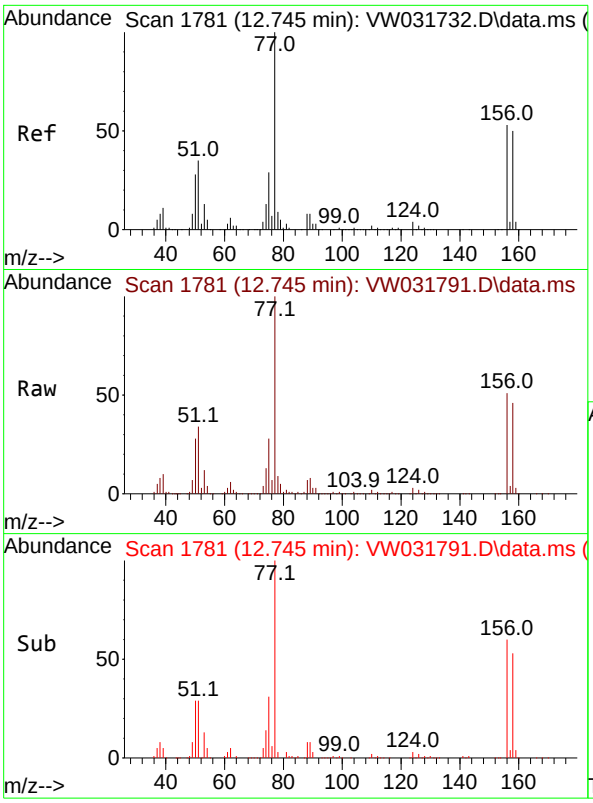


#76
1,2,3-Trichloropropane
Concen: 52.852 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 118719

Ion	Ratio	Lower	Upper
75	100		
77	303.2	141.2	423.6





#77
Bromobenzene
Concen: 55.136 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

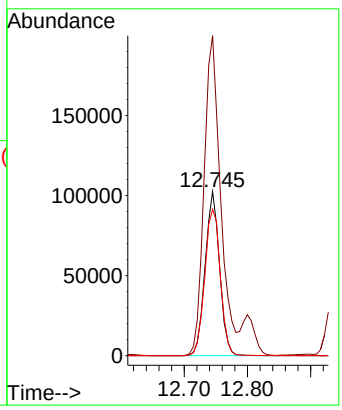
Tgt Ion:156 Resp: 16259

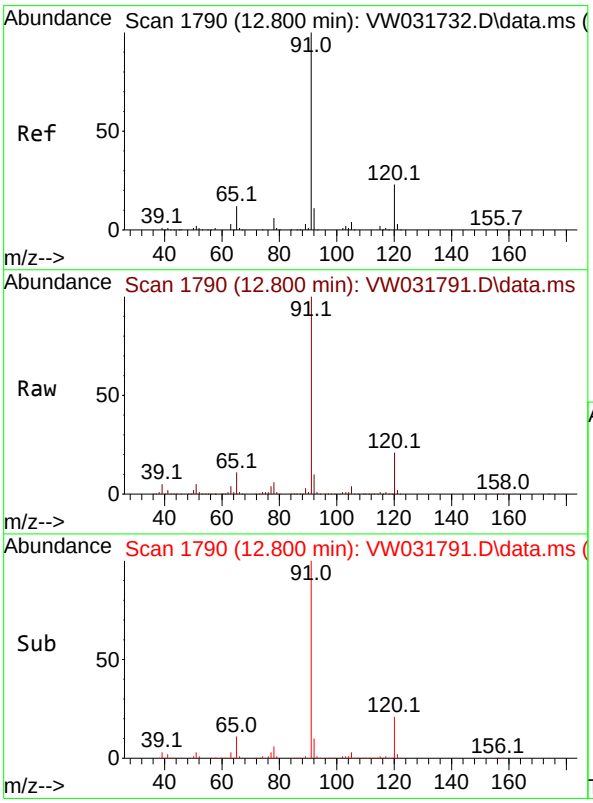
Ion	Ratio	Lower	Upper
156	100		
77	221.4	117.9	353.7
158	96.0	52.6	157.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Supervised By :Semsettin Yesilyurt 07/14/2025

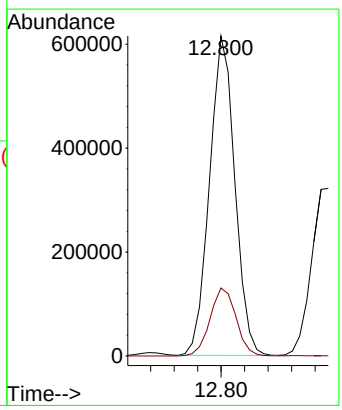


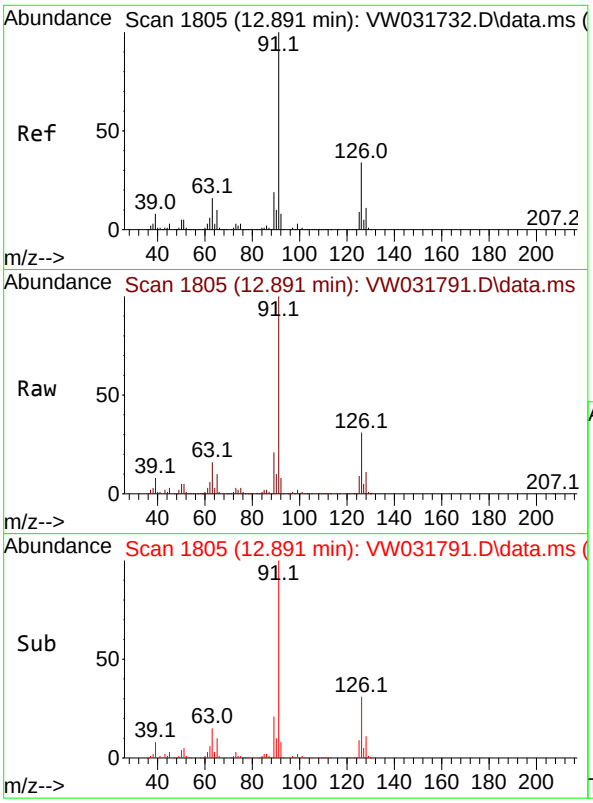


#78
n-propylbenzene
Concen: 58.086 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 91 Resp: 919660

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4





#79
2-Chlorotoluene
Concen: 57.014 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

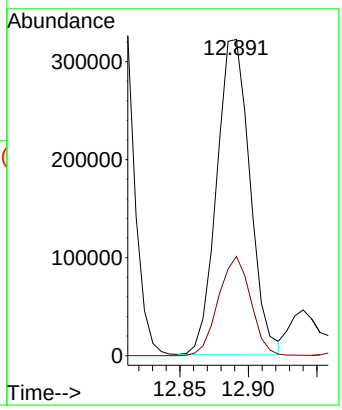
Tgt Ion: 91 Resp: 54357

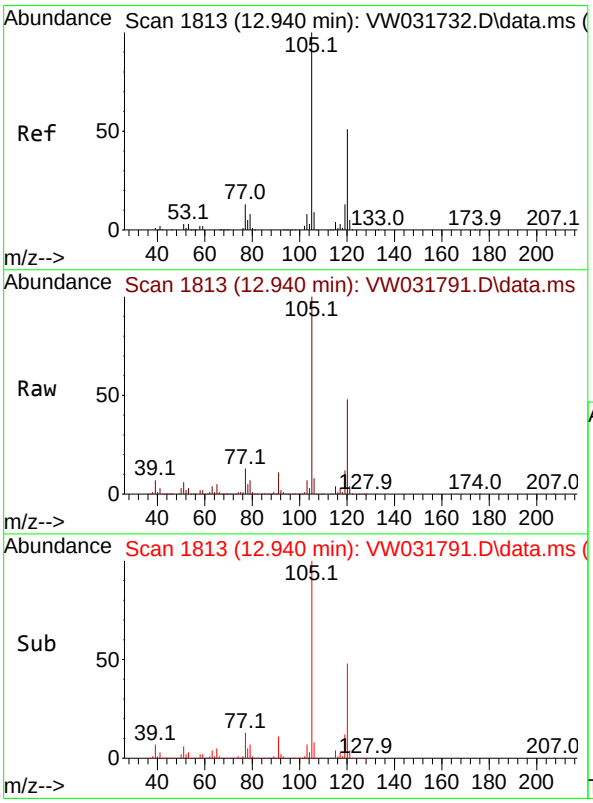
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.8	47.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

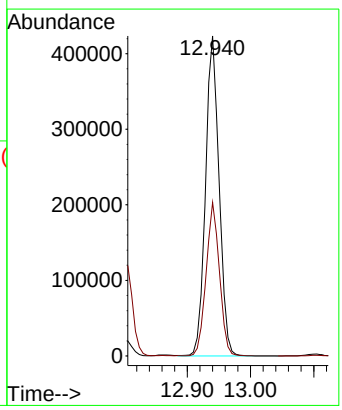


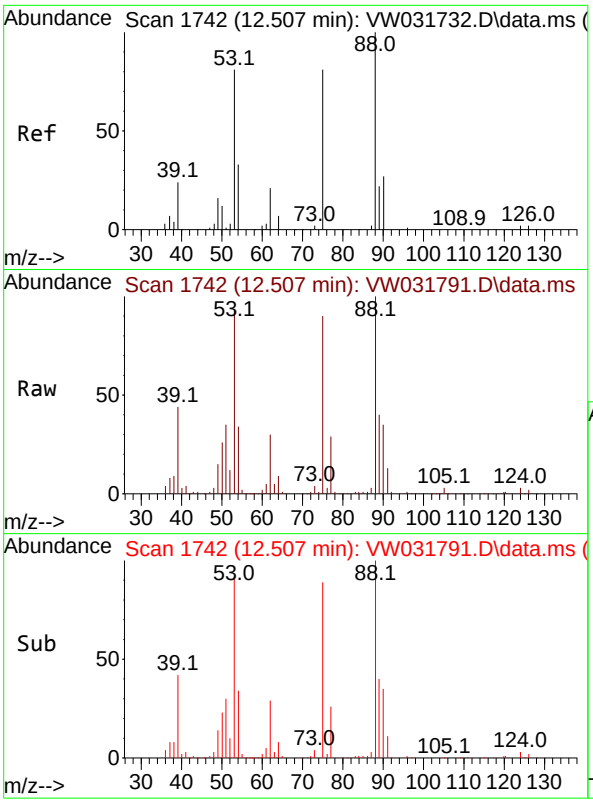


#80
1,3,5-Trimethylbenzene
Concen: 57.838 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 633002

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 56.764 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

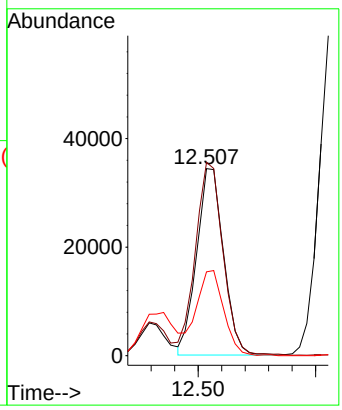
Tgt Ion: 75 Resp: 5474

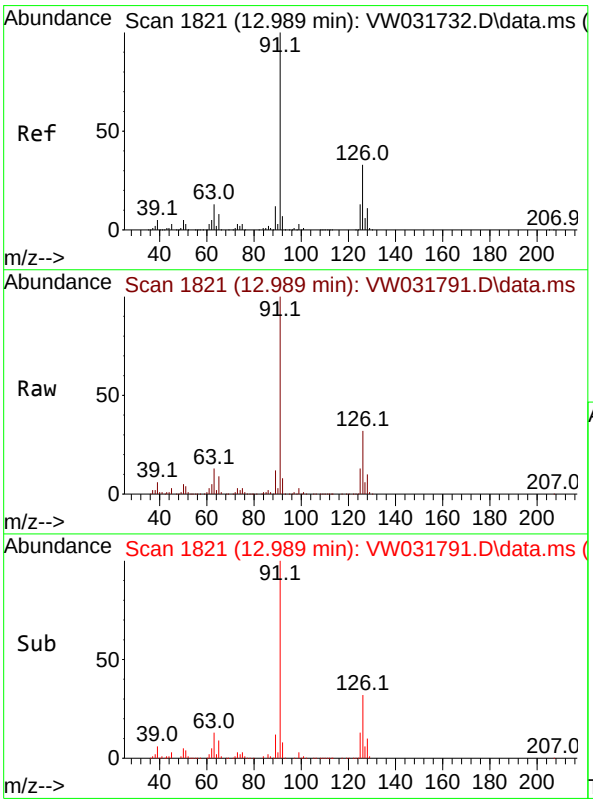
Ion	Ratio	Lower	Upper
75	100		
53	107.2	83.5	125.3
89	48.1	38.3	57.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

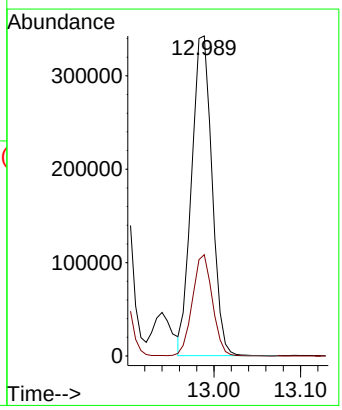


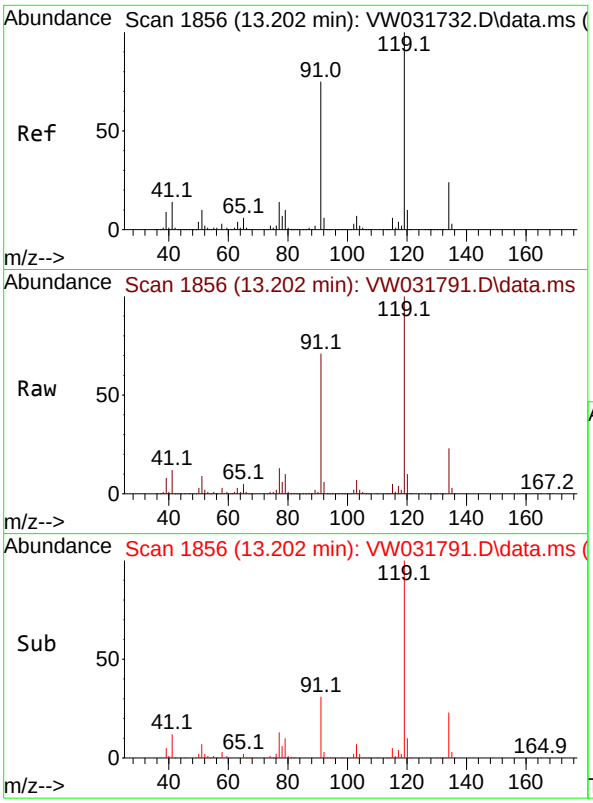


#82
4-Chlorotoluene
Concen: 56.028 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 91 Resp: 560825

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9

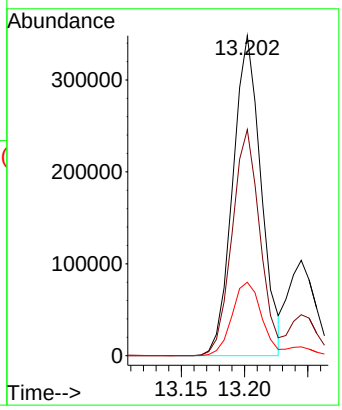




#83
tert-Butylbenzene
Concen: 57.715 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:119 Resp: 54106

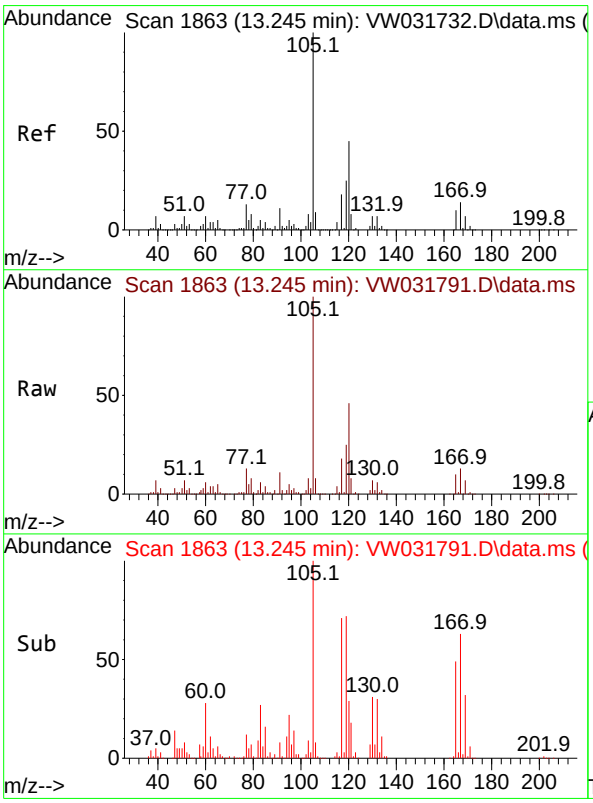
Ion	Ratio	Lower	Upper
119	100		
91	69.4	36.0	108.1
134	24.3	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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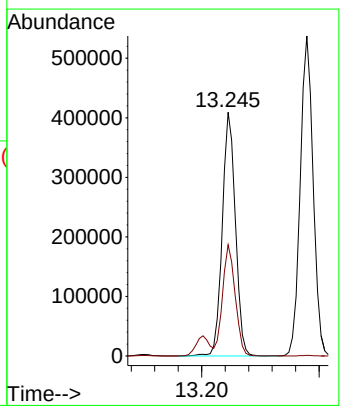
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

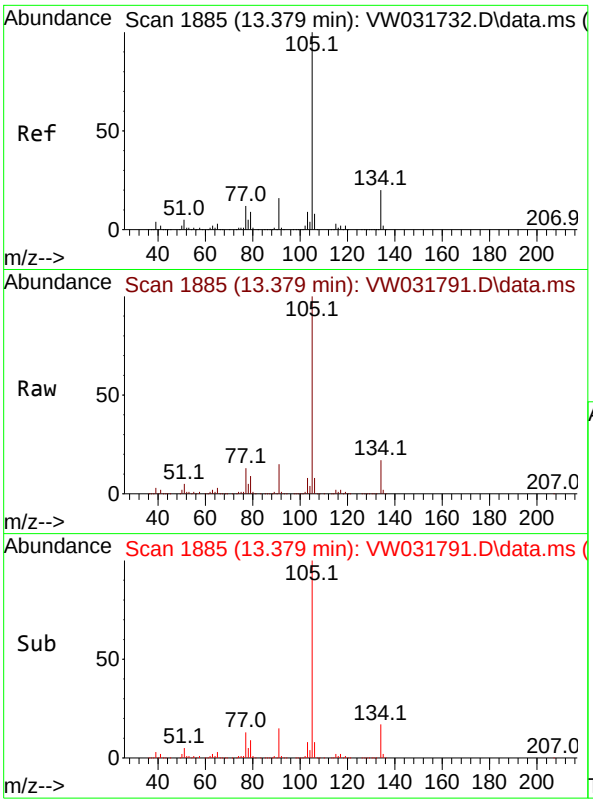


#84
1,2,4-Trimethylbenzene
Concen: 57.291 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 635294

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1

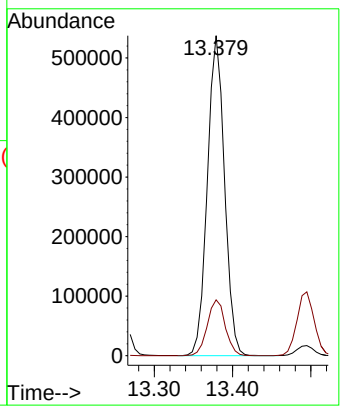




#85
sec-Butylbenzene
Concen: 57.987 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 81595

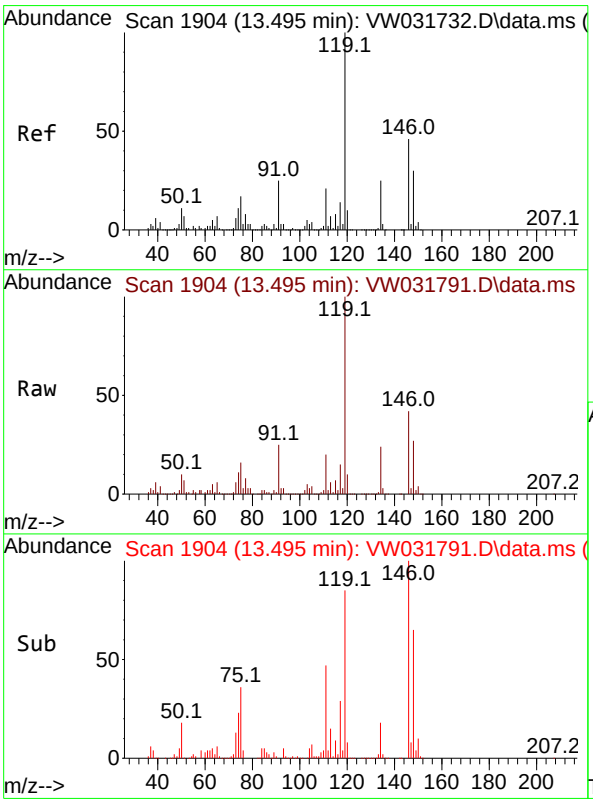
Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
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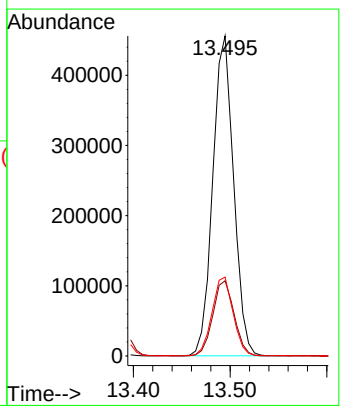
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

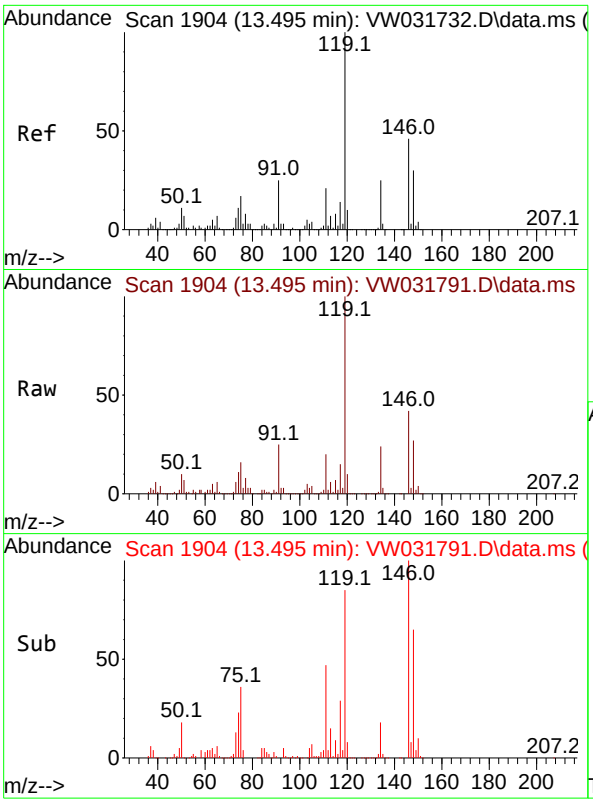


#86
p-Isopropyltoluene
Concen: 58.717 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:119 Resp: 680929

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.9	38.7
91	24.9	12.7	38.0

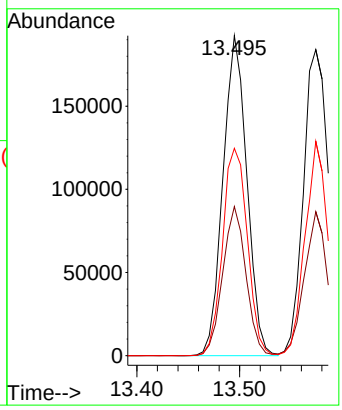




#87
1,3-Dichlorobenzene
Concen: 52.604 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:146 Resp: 31109

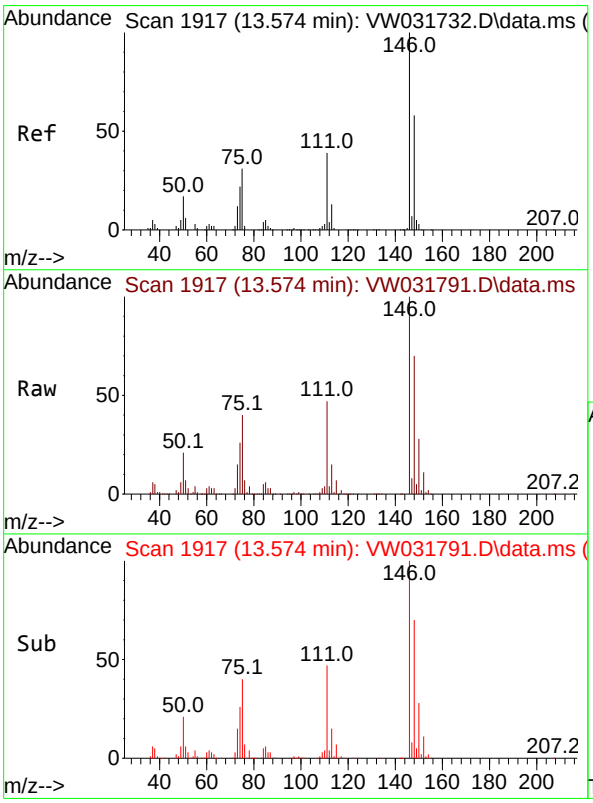
Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.3	66.9
148	67.3	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

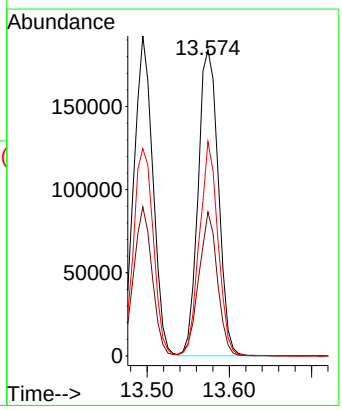
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

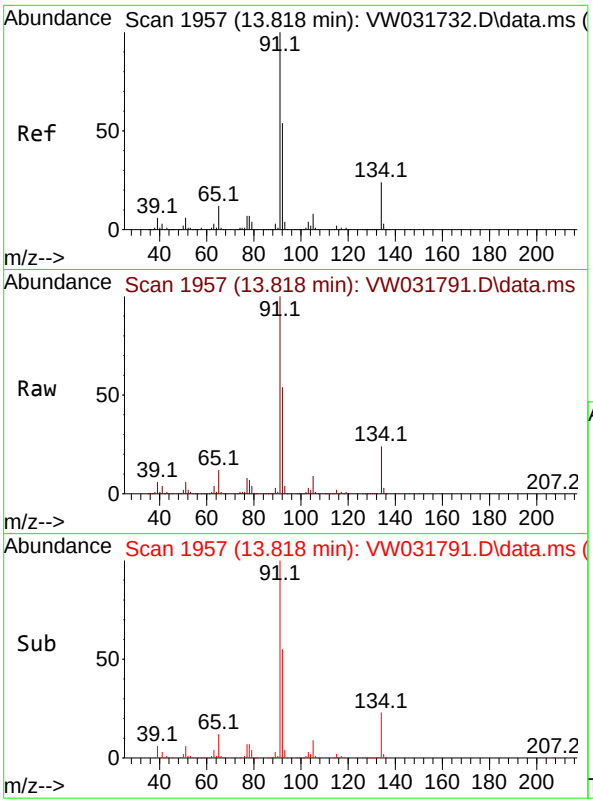


#88
1,4-Dichlorobenzene
Concen: 51.878 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:146 Resp: 314021

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	64.4	30.2	90.6

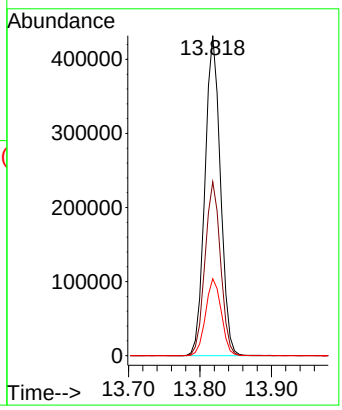




#89
n-Butylbenzene
Concen: 57.705 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 91 Resp: 65018

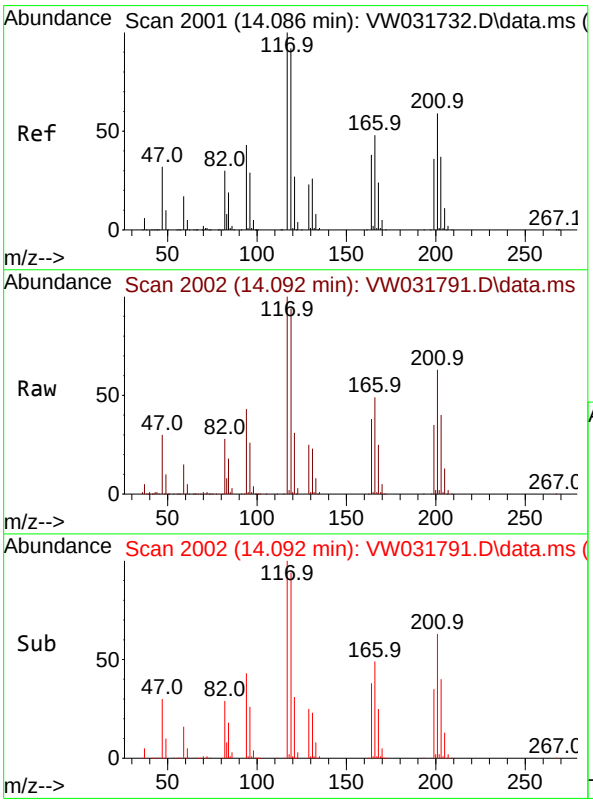
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.5
134	24.4	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

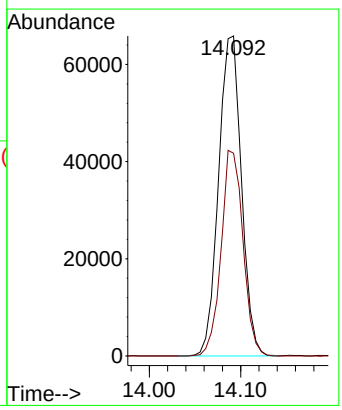
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

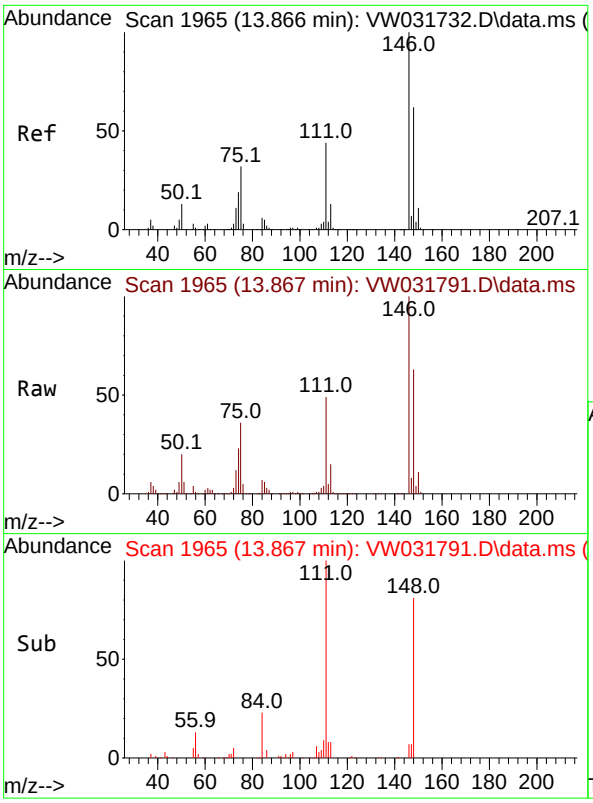


#90
Hexachloroethane
Concen: 54.720 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:117 Resp: 114483

Ion	Ratio	Lower	Upper
117	100		
201	61.5	31.1	93.3

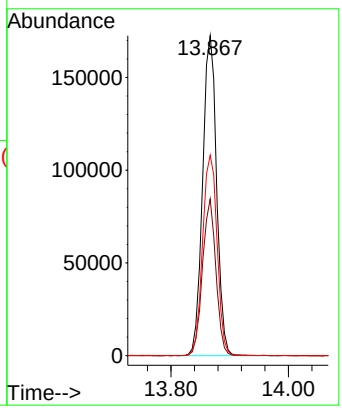




#91
1,2-Dichlorobenzene
Concen: 52.908 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:146 Resp: 28598

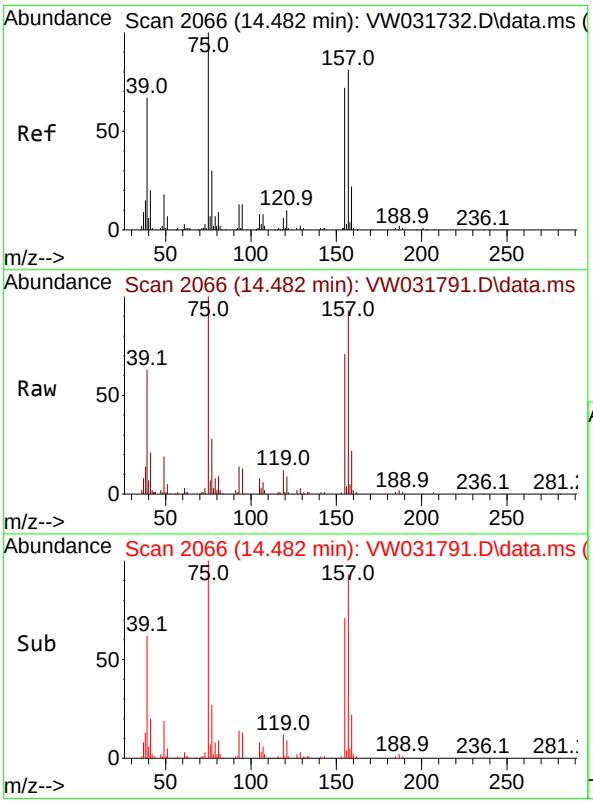
Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.7	65.1
148	64.8	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

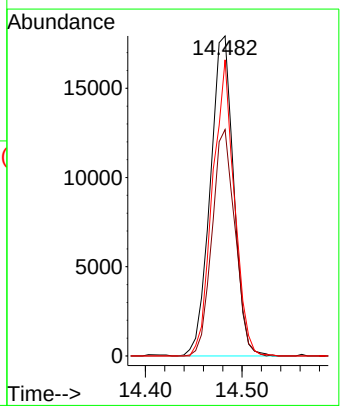
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

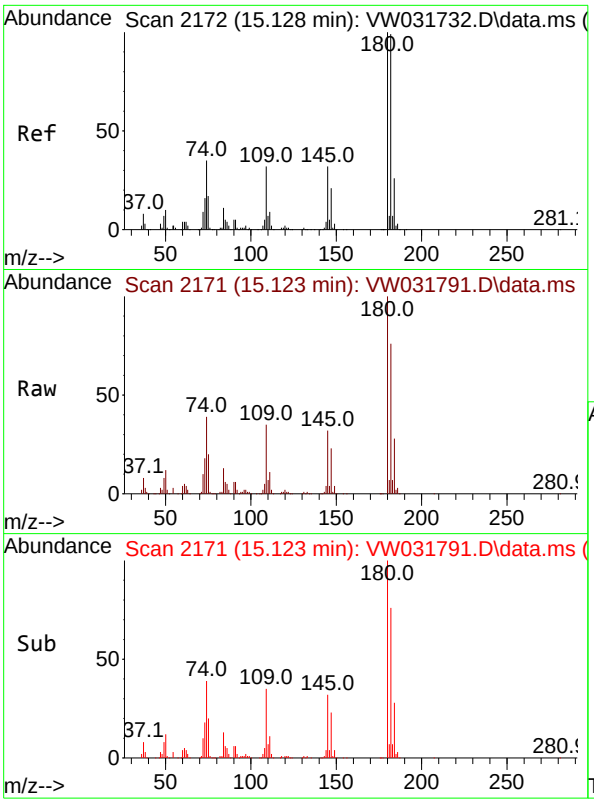


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.471 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 30074

Ion	Ratio	Lower	Upper
75	100		
155	69.5	37.2	111.6
157	86.1	45.6	136.9

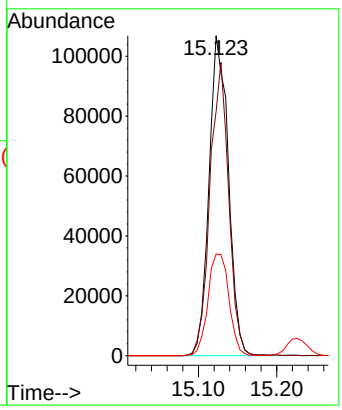




#93
1,2,4-Trichlorobenzene
Concen: 54.930 ug/l
RT: 15.123 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:180 Resp: 18311

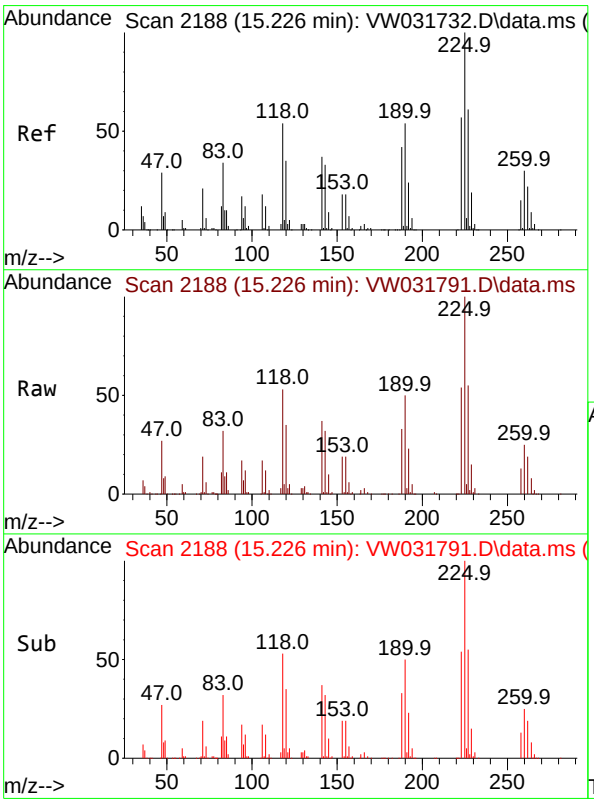
Ion	Ratio	Lower	Upper
180	100		
182	88.6	48.6	145.9
145	34.6	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

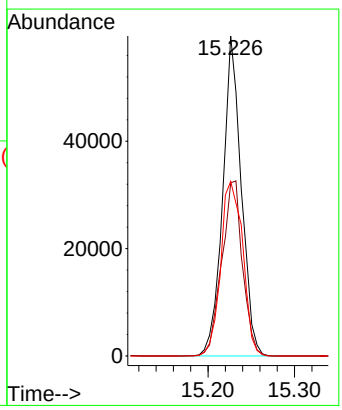
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

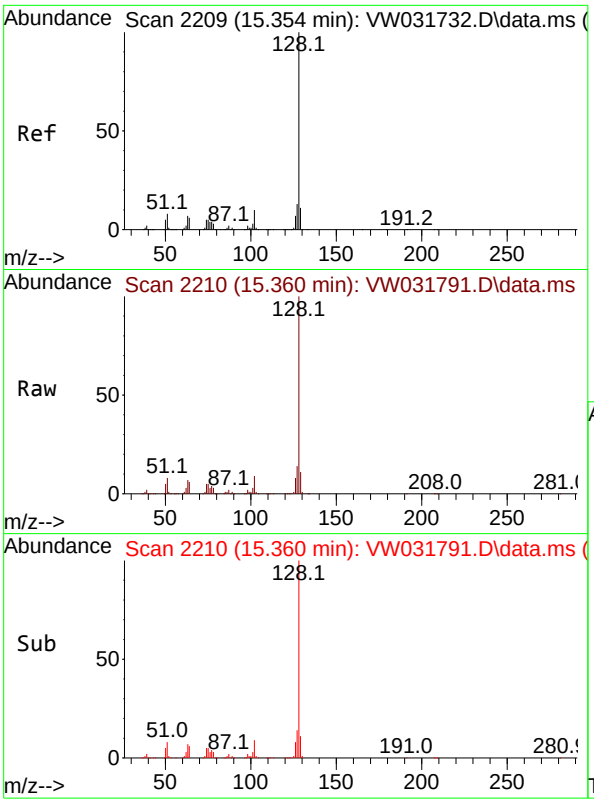


#94
Hexachlorobutadiene
Concen: 55.092 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:225 Resp: 88681

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.6	97.8
227	64.8	37.3	111.8

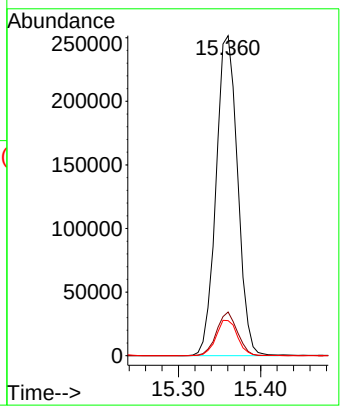




#95
Naphthalene
Concen: 56.091 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:128 Resp: 45841

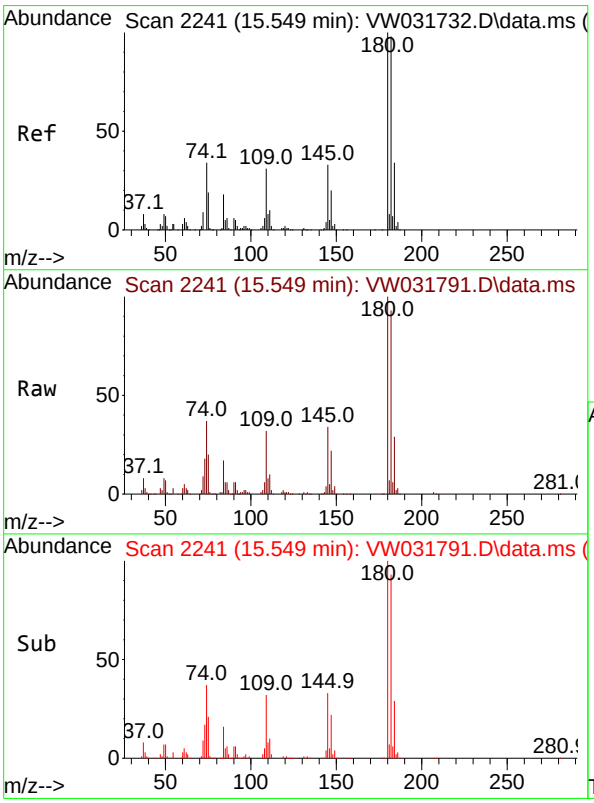
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.0	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

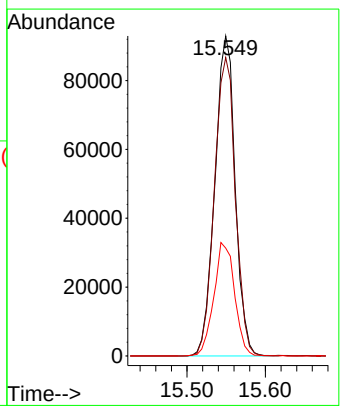
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.834 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:180 Resp: 167959

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.4	139.1
145	36.1	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.341	0.332	2.6	117	0.01
3	P	Chloromethane	0.411	0.420	-2.2	122	0.00
4	C	Vinyl Chloride	0.540	0.564	-4.4#	120	0.00
5	T	Bromomethane	0.421	0.402	4.5	111	0.00
6	T	Chloroethane	0.367	0.366	0.3	115	0.00
7	T	Trichlorofluoromethane	0.490	0.492	-0.4	115	0.00
8	T	Diethyl Ether	0.372	0.374	-0.5	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.544	0.551	-1.3	118	0.00
10	T	Methyl Iodide	0.839	0.829	1.2	111	0.00
11	T	Tert butyl alcohol	0.044	0.042	4.5	98	0.00
12	CM	1,1-Dichloroethene	0.596	0.602	-1.0#	118	0.00
13	T	Acrolein	0.080	0.045	43.8#	59	0.00
14	T	Allyl chloride	0.914	0.956	-4.6	117	0.00
15	T	Acrylonitrile	0.183	0.179	2.2	102	0.00
16	T	Acetone	0.177	0.174	1.7	117	0.00
17	T	Carbon Disulfide	1.594	1.572	1.4	112	0.00
18	T	Methyl Acetate	0.507	0.519	-2.4	107	0.00
19	T	Methyl tert-butyl Ether	1.011	1.104	-9.2	117	0.00
20	T	Methylene Chloride	0.814	0.823	-1.1	130	0.00
21	T	trans-1,2-Dichloroethene	0.633	0.640	-1.1	114	0.00
22	T	Diisopropyl ether	1.783	1.990	-11.6	121	0.00
23	T	Vinyl Acetate	1.218	1.302	-6.9	113	0.00
24	P	1,1-Dichloroethane	1.156	1.209	-4.6	118	0.00
25	T	2-Butanone	0.231	0.241	-4.3	106	0.00
26	T	2,2-Dichloropropane	0.674	0.689	-2.2	115	0.00
27	T	cis-1,2-Dichloroethene	0.728	0.766	-5.2	117	0.00
28	T	Bromochloromethane	0.510	0.525	-2.9	114	0.00
29	T	Tetrahydrofuran	0.158	0.160	-1.3	104	0.00
30	C	Chloroform	1.228	1.273	-3.7#	115	0.00
31	T	Cyclohexane	1.022	1.029	-0.7	120	0.00
32	T	1,1,1-Trichloroethane	0.946	0.972	-2.7	115	0.00
33	S	1,2-Dichloroethane-d4	0.718	0.700	2.5	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35	S	Dibromofluoromethane	0.326	0.329	-0.9	108	0.00
36	T	1,1-Dichloropropene	0.472	0.507	-7.4	119	0.00
37	T	Ethyl Acetate	0.298	0.293	1.7	103	0.00
38	T	Carbon Tetrachloride	0.481	0.507	-5.4	117	0.00
39	T	Methylcyclohexane	0.587	0.637	-8.5	120	0.00
40	TM	Benzene	1.397	1.483	-6.2	115	0.00
41	T	Methacrylonitrile	0.160	0.172	-7.5	105	0.00
42	TM	1,2-Dichloroethane	0.472	0.498	-5.5	114	0.00
43	T	Isopropyl Acetate	0.513	0.545	-6.2	109	0.00
44	TM	Trichloroethene	0.349	0.349	0.0	108	0.00
45	C	1,2-Dichloropropane	0.338	0.363	-7.4#	117	0.00
46	T	Dibromomethane	0.218	0.231	-6.0	113	0.00
47	T	Bromodichloromethane	0.511	0.559	-9.4	117	0.00
48	T	Methyl methacrylate	0.252	0.265	-5.2	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	113	0.00
50	S	Toluene-d8	1.214	1.231	-1.4	109	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.312	-5.8	107	0.00
52	CM	Toluene	0.894	0.967	-8.2#	118	0.00
53	T	t-1,3-Dichloropropene	0.480	0.540	-12.5	116	0.00
54	T	cis-1,3-Dichloropropene	0.544	0.610	-12.1	119	0.00
55	T	1,1,2-Trichloroethane	0.286	0.303	-5.9	113	0.00
56	T	Ethyl methacrylate	0.387	0.443	-14.5	115	0.00
57	T	1,3-Dichloropropane	0.501	0.544	-8.6	118	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.197	7.5	93	0.00
59	T	2-Hexanone	0.200	0.219	-9.5	107	0.00
60	T	Dibromochloromethane	0.341	0.365	-7.0	110	0.00
61	T	1,2-Dibromoethane	0.286	0.301	-5.2	111	0.00
62	S	4-Bromofluorobenzene	0.447	0.459	-2.7	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.327	0.330	-0.9	108	0.00
65	PM	Chlorobenzene	1.103	1.194	-8.3	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.385	-9.4	113	0.00
67	C	Ethyl Benzene	1.913	2.125	-11.1#	116	0.00
68	T	m/p-Xylenes	0.735	0.834	-13.5	118	0.00
69	T	o-Xylene	0.681	0.781	-14.7	117	0.00
70	T	Styrene	1.177	1.307	-11.0	111	0.00
71	P	Bromoform	0.210	0.217	-3.3	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.803	4.324	-13.7	116	0.00
74	T	N-amyl acetate	1.025	1.230	-20.0	115	0.00
75	P	1,1,2,2-Tetrachloroethane	0.844	0.925	-9.6	109	0.00
76	T	1,2,3-Trichloropropane	0.646	0.683	-5.7	104	0.00
77	T	Bromobenzene	0.848	0.935	-10.3	119	0.00
78	T	n-propylbenzene	4.554	5.291	-16.2	118	0.00
79	T	2-Chlorotoluene	2.743	3.127	-14.0	116	0.00
80	T	1,3,5-Trimethylbenzene	3.148	3.642	-15.7	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.277	0.315	-13.7	108	0.00
82	T	4-Chlorotoluene	2.879	3.226	-12.1	114	0.00
83	T	tert-Butylbenzene	2.697	3.113	-15.4	119	0.00
84	T	1,2,4-Trimethylbenzene	3.190	3.655	-14.6	117	0.00
85	T	sec-Butylbenzene	4.048	4.694	-16.0	117	0.00
86	T	p-Isopropyltoluene	3.336	3.917	-17.4	119	0.00
87	T	1,3-Dichlorobenzene	1.701	1.790	-5.2	109	0.00
88	T	1,4-Dichlorobenzene	1.741	1.807	-3.8	106	0.00
89	T	n-Butylbenzene	3.241	3.741	-15.4	117	0.00
90	T	Hexachloroethane	0.602	0.659	-9.5	111	0.00
91	T	1,2-Dichlorobenzene	1.555	1.645	-5.8	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.165	0.173	-4.8	104	0.00
93	T	1,2,4-Trichlorobenzene	0.959	1.053	-9.8	113	0.00
94	T	Hexachlorobutadiene	0.463	0.510	-10.2	123	0.00
95	T	Naphthalene	2.351	2.637	-12.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	0.966	-9.6	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	48.724	2.6	117	0.01
3	P	Chloromethane	50.000	51.214	-2.4	122	0.00
4	C	Vinyl Chloride	50.000	52.307	-4.6#	120	0.00
5	T	Bromomethane	50.000	47.643	4.7	111	0.00
6	T	Chloroethane	50.000	49.977	0.0	115	0.00
7	T	Trichlorofluoromethane	50.000	50.227	-0.5	115	0.00
8	T	Diethyl Ether	50.000	50.184	-0.4	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.636	-1.3	118	0.00
10	T	Methyl Iodide	50.000	49.451	1.1	111	0.00
11	T	Tert butyl alcohol	250.000	234.934	6.0	98	0.00
12	CM	1,1-Dichloroethene	50.000	50.519	-1.0#	118	0.00
13	T	Acrolein	250.000	140.356	43.9#	59	0.00
14	T	Allyl chloride	50.000	52.272	-4.5	117	0.00
15	T	Acrylonitrile	250.000	244.849	2.1	102	0.00
16	T	Acetone	250.000	245.359	1.9	117	0.00
17	T	Carbon Disulfide	50.000	49.307	1.4	112	0.00
18	T	Methyl Acetate	50.000	51.186	-2.4	107	0.00
19	T	Methyl tert-butyl Ether	50.000	54.609	-9.2	117	0.00
20	T	Methylene Chloride	50.000	59.333	-18.7	130	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.510	-1.0	114	0.00
22	T	Diisopropyl ether	50.000	55.824	-11.6	121	0.00
23	T	Vinyl Acetate	250.000	267.247	-6.9	113	0.00
24	P	1,1-Dichloroethane	50.000	52.291	-4.6	118	0.00
25	T	2-Butanone	250.000	260.886	-4.4	106	0.00
26	T	2,2-Dichloropropane	50.000	51.113	-2.2	115	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.636	-5.3	117	0.00
28	T	Bromochloromethane	50.000	51.462	-2.9	114	0.00
29	T	Tetrahydrofuran	250.000	252.916	-1.2	104	0.00
30	C	Chloroform	50.000	51.845	-3.7#	115	0.00
31	T	Cyclohexane	50.000	50.354	-0.7	120	0.00
32	T	1,1,1-Trichloroethane	50.000	51.366	-2.7	115	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.778	2.4	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35	S	Dibromofluoromethane	50.000	50.475	-1.0	108	0.00
36	T	1,1-Dichloropropene	50.000	53.667	-7.3	119	0.00
37	T	Ethyl Acetate	50.000	49.147	1.7	103	0.00
38	T	Carbon Tetrachloride	50.000	52.716	-5.4	117	0.00
39	T	Methylcyclohexane	50.000	54.187	-8.4	120	0.00
40	TM	Benzene	50.000	53.067	-6.1	115	0.00
41	T	Methacrylonitrile	50.000	53.907	-7.8	105	0.00
42	TM	1,2-Dichloroethane	50.000	52.705	-5.4	114	0.00
43	T	Isopropyl Acetate	50.000	53.059	-6.1	109	0.00
44	TM	Trichloroethene	50.000	49.991	0.0	108	0.00
45	C	1,2-Dichloropropane	50.000	53.733	-7.5#	117	0.00
46	T	Dibromomethane	50.000	53.029	-6.1	113	0.00
47	T	Bromodichloromethane	50.000	54.724	-9.4	117	0.00
48	T	Methyl methacrylate	50.000	52.401	-4.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1059.780	-6.0	113	0.00
50	S	Toluene-d8	50.000	50.707	-1.4	109	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.687	-5.9	107	0.00
52	CM	Toluene	50.000	54.087	-8.2#	118	0.00
53	T	t-1,3-Dichloropropene	50.000	56.253	-12.5	116	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.150	-12.3	119	0.00
55	T	1,1,2-Trichloroethane	50.000	53.040	-6.1	113	0.00
56	T	Ethyl methacrylate	50.000	57.193	-14.4	115	0.00
57	T	1,3-Dichloropropane	50.000	54.227	-8.5	118	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.437	7.8	93	0.00
59	T	2-Hexanone	250.000	273.918	-9.6	107	0.00
60	T	Dibromochloromethane	50.000	53.437	-6.9	110	0.00
61	T	1,2-Dibromoethane	50.000	52.626	-5.3	111	0.00
62	S	4-Bromofluorobenzene	50.000	51.310	-2.6	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	50.476	-1.0	108	0.00
65	PM	Chlorobenzene	50.000	54.120	-8.2	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.724	-9.4	113	0.00
67	C	Ethyl Benzene	50.000	55.536	-11.1#	116	0.00
68	T	m/p-Xylenes	100.000	113.445	-13.4	118	0.00
69	T	o-Xylene	50.000	57.372	-14.7	117	0.00
70	T	Styrene	50.000	55.530	-11.1	111	0.00
71	P	Bromoform	50.000	51.797	-3.6	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	56.847	-13.7	116	0.00
74	T	N-amyl acetate	50.000	59.970	-19.9	115	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.777	-9.6	109	0.00
76	T	1,2,3-Trichloropropane	50.000	52.852	-5.7	104	0.00
77	T	Bromobenzene	50.000	55.136	-10.3	119	0.00
78	T	n-propylbenzene	50.000	58.086	-16.2	118	0.00
79	T	2-Chlorotoluene	50.000	57.014	-14.0	116	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.838	-15.7	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.764	-13.5	108	0.00
82	T	4-Chlorotoluene	50.000	56.028	-12.1	114	0.00
83	T	tert-Butylbenzene	50.000	57.715	-15.4	119	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.291	-14.6	117	0.00
85	T	sec-Butylbenzene	50.000	57.987	-16.0	117	0.00
86	T	p-Isopropyltoluene	50.000	58.717	-17.4	119	0.00
87	T	1,3-Dichlorobenzene	50.000	52.604	-5.2	109	0.00
88	T	1,4-Dichlorobenzene	50.000	51.878	-3.8	106	0.00
89	T	n-Butylbenzene	50.000	57.705	-15.4	117	0.00
90	T	Hexachloroethane	50.000	54.720	-9.4	111	0.00
91	T	1,2-Dichlorobenzene	50.000	52.908	-5.8	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.471	-4.9	104	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.930	-9.9	113	0.00
94	T	Hexachlorobutadiene	50.000	55.092	-10.2	123	0.00
95	T	Naphthalene	50.000	56.091	-12.2	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	54.834	-9.7	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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.: Q2558

Instrument ID: MSVOA_W | Calibration Date/Time: 07/10/2025 19:59

Lab File ID: VW031815.D | Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:54 12:55

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.271		-20.53	50
Chloromethane	0.411	0.393	0.1	-4.38	50
Vinyl Chloride	0.540	0.538		-0.37	50
Bromomethane	0.421	0.407		-3.33	50
Chloroethane	0.367	0.369		0.55	50
Tetrahydrofuran	0.158	0.179		13.29	50
Trichlorofluoromethane	0.490	0.463		-5.51	50
1,1,2-Trichlorotrifluoroethane	0.544	0.509		-6.43	50
1,1-Dichloroethene	0.596	0.596		0	50
Acrylonitrile	0.183	0.199		8.74	50
Acetone	0.177	0.169		-4.52	50
Carbon Disulfide	1.594	1.515		-4.96	50
Methyl tert-butyl Ether	1.011	1.171		15.83	50
Methylene Chloride	0.814	0.948		16.46	50
trans-1,2-Dichloroethene	0.633	0.679		7.27	50
1,1-Dichloroethane	1.156	1.293	0.1	11.85	50
2-Butanone	0.231	0.260		12.55	50
Carbon Tetrachloride	0.481	0.453		-5.82	50
2,2-Dichloropropane	0.674	0.635		-5.79	50
cis-1,2-Dichloroethene	0.728	0.818		12.36	50
Chloroform	1.228	1.368		11.4	50
1,1,1-Trichloroethane	0.946	0.979		3.49	50
1,1-Dichloropropene	0.472	0.471		-0.21	50
Benzene	1.397	1.496		7.09	50
1,2-Dichloroethane	0.472	0.507		7.41	50
Trichloroethene	0.349	0.351		0.57	50
1,2-Dichloropropane	0.338	0.371		9.76	50
Dibromomethane	0.218	0.239		9.63	50
Bromodichloromethane	0.511	0.563		10.18	50
4-Methyl-2-Pentanone	0.295	0.327		10.85	50
Toluene	0.894	0.963		7.72	50
t-1,3-Dichloropropene	0.480	0.524		9.17	50
cis-1,3-Dichloropropene	0.544	0.584		7.35	50
1,1,2-Trichloroethane	0.286	0.315		10.14	50
1,3-Dichloropropane	0.501	0.557		11.18	50
2-Hexanone	0.200	0.229		14.5	50
Dibromochloromethane	0.341	0.375		9.97	50
1,2-Dibromoethane	0.286	0.309		8.04	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG No.: Q2558

Instrument ID: MSVOA_W | Calibration Date/Time: 07/10/2025 19:59

Lab File ID: VW031815.D | Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:54 12:55

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.327	0.331		1.22	50
Chlorobenzene	1.103	1.176	0.3	6.62	50
1,1,1,2-Tetrachloroethane	0.352	0.371		5.4	50
Ethyl Benzene	1.913	2.021		5.65	50
m/p-Xylenes	0.735	0.768		4.49	50
o-Xylene	0.681	0.730		7.2	50
Styrene	1.177	1.293		9.86	50
Bromoform	0.210	0.227	0.1	8.1	50
Isopropylbenzene	3.803	4.054		6.6	50
1,1,2,2-Tetrachloroethane	0.844	0.930	0.3	10.19	50
1,2,3-Trichloropropane	0.646	0.609		-5.73	50
Bromobenzene	0.848	0.916		8.02	50
n-propylbenzene	4.554	4.916		7.95	50
2-Chlorotoluene	2.743	2.970		8.28	50
1,3,5-Trimethylbenzene	3.148	3.466		10.1	50
4-Chlorotoluene	2.879	3.124		8.51	50
tert-Butylbenzene	2.697	2.877		6.67	50
1,2,4-Trimethylbenzene	3.190	3.523		10.44	50
sec-Butylbenzene	4.048	4.259		5.21	50
p-Isopropyltoluene	3.336	3.502		4.98	50
1,3-Dichlorobenzene	1.701	1.795		5.53	50
1,4-Dichlorobenzene	1.741	1.722		-1.09	50
n-Butylbenzene	3.241	3.405		5.06	50
1,2-Dichlorobenzene	1.555	1.643		5.66	50
1,2-Dibromo-3-Chloropropane	0.165	0.169		2.42	50
1,2,4-Trichlorobenzene	0.959	1.050		9.49	50
Hexachlorobutadiene	0.463	0.430		-7.13	50
1,2,3-Trichlorobenzene	0.881	0.902		2.38	50
1,2-Dichloroethane-d4	0.718	0.787		9.61	50
Dibromofluoromethane	0.326	0.332		1.84	50
Toluene-d8	1.214	1.247		2.72	50
4-Bromofluorobenzene	0.447	0.471		5.37	50
trans-1,4-Dichloro-2-butene	0.277	0.280		1.08	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\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	205369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	390811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	165102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161614	54.835	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 109.680%			
35) Dibromofluoromethane	7.904	113	129906	50.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.880%			
50) Toluene-d8	10.330	98	487382	51.356	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.617	95	183915	52.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.051	85	55661	39.797	ug/l	97
3) Chloromethane	2.259	50	80628	47.816	ug/l	99
4) Vinyl Chloride	2.411	62	110571	49.890	ug/l	97
5) Bromomethane	2.832	94	83568	48.274	ug/l	97
6) Chloroethane	2.978	64	75735	50.307	ug/l	93
7) Trichlorofluoromethane	3.307	101	95064	47.230	ug/l	98
8) Diethyl Ether	3.728	74	83406	54.533	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	104453	46.754	ug/l	99
10) Methyl Iodide	4.307	142	175224	50.876	ug/l	99
11) Tert butyl alcohol	5.234	59	47503	260.158	ug/l	96
12) 1,1-Dichloroethene	4.088	96	122342	49.995	ug/l	97
13) Acrolein	3.941	56	40631	123.808	ug/l	98
14) Allyl chloride	4.709	41	200427	53.382	ug/l	98
15) Acrylonitrile	5.411	53	204754	272.235	ug/l	99
16) Acetone	4.167	43	173623	238.337	ug/l	98
17) Carbon Disulfide	4.429	76	311128	47.513	ug/l	97
18) Methyl Acetate	4.716	43	128556	61.747	ug/l	97
19) Methyl tert-butyl Ether	5.465	73	240502	57.904	ug/l	97
20) Methylene Chloride	4.959	84	194722	69.515	ug/l	95
21) trans-1,2-Dichloroethene	5.465	96	139455	53.633	ug/l	92
22) Diisopropyl ether	6.349	45	441696	60.319	ug/l	97
23) Vinyl Acetate	6.288	43	1395702	279.048	ug/l	99
24) 1,1-Dichloroethane	6.252	63	265504	55.926	ug/l	99
25) 2-Butanone	7.197	43	267190	281.927	ug/l	99
26) 2,2-Dichloropropane	7.191	77	130360	47.063	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	168047	56.224	ug/l	99
28) Bromochloromethane	7.532	49	118177	56.409	ug/l	98
29) Tetrahydrofuran	7.556	42	184175	283.770	ug/l	99
30) Chloroform	7.697	83	280995	55.703	ug/l	96
31) Cyclohexane	7.971	56	195744	46.645	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	200972	51.696	ug/l	100
36) 1,1-Dichloropropene	8.099	75	184153	49.902	ug/l	99
37) Ethyl Acetate	7.276	43	122459	52.605	ug/l	99
38) Carbon Tetrachloride	8.087	117	176925	47.048	ug/l	92
39) Methylcyclohexane	9.343	83	216833	47.227	ug/l	98
40) Benzene	8.337	78	584651	53.549	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	70876	56.835	ug/l		98
42) 1,2-Dichloroethane	8.416	62	198163	53.716	ug/l		99
43) Isopropyl Acetate	8.440	43	219909	54.802	ug/l		100
44) Trichloroethene	9.105	130	137128	50.321	ug/l		98
45) 1,2-Dichloropropane	9.379	63	144992	54.947	ug/l		96
46) Dibromomethane	9.471	93	93246	54.735	ug/l		95
47) Bromodichloromethane	9.654	83	219851	55.033	ug/l		98
48) Methyl methacrylate	9.446	41	108127	54.800	ug/l		98
49) 1,4-Dioxane	9.471	88	22291	1117.198	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.215	43	638615	276.816	ug/l		100
52) Toluene	10.391	92	376463	53.854	ug/l		97
53) t-1,3-Dichloropropene	10.611	75	204801	54.640	ug/l		99
54) cis-1,3-Dichloropropene	10.080	75	228077	53.676	ug/l		99
55) 1,1,2-Trichloroethane	10.794	97	122974	55.107	ug/l		99
56) Ethyl methacrylate	10.647	69	176460	58.286	ug/l		98
57) 1,3-Dichloropropane	10.934	76	217505	55.515	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	477447	286.397	ug/l		96
59) 2-Hexanone	10.970	43	446782	285.791	ug/l		100
60) Dibromochloromethane	11.129	129	146364	54.848	ug/l		99
61) 1,2-Dibromoethane	11.239	107	120786	54.067	ug/l		99
64) Tetrachloroethene	10.867	164	117464	50.583	ug/l		96
65) Chlorobenzene	11.659	112	417550	53.308	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	131747	52.782	ug/l		98
67) Ethyl Benzene	11.733	91	717465	52.823	ug/l		97
68) m/p-Xylenes	11.836	106	545152	104.409	ug/l		98
69) o-Xylene	12.165	106	259232	53.623	ug/l		99
70) Styrene	12.184	104	459126	54.936	ug/l		100
71) Bromoform	12.348	173	80682	54.184	ug/l	#	97
73) Isopropylbenzene	12.464	105	669362	53.299	ug/l		100
74) N-amyl acetate	12.269	43	194037	57.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	153463	55.042	ug/l		99
76) 1,2,3-Trichloropropane	12.769	75	100475m	47.092	ug/l		
77) Bromobenzene	12.745	156	151240	53.995	ug/l		90
78) n-propylbenzene	12.799	91	811703	53.975	ug/l		98
79) 2-Chlorotoluene	12.891	91	490300	54.142	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	572236	55.047	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	46207	50.443	ug/l		96
82) 4-Chlorotoluene	12.988	91	515714	54.242	ug/l		98
83) tert-Butylbenzene	13.202	119	474982	53.341	ug/l		100
84) 1,2,4-Trimethylbenzene	13.251	105	581572	55.216	ug/l		99
85) sec-Butylbenzene	13.379	105	703235	52.616	ug/l		100
86) p-Isopropyltoluene	13.494	119	578110	52.484	ug/l		99
87) 1,3-Dichlorobenzene	13.501	146	296325	52.753	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	284279	49.444	ug/l		96
89) n-Butylbenzene	13.818	91	562229	52.534	ug/l		100
90) Hexachloroethane	14.092	117	102713	51.687	ug/l		97
91) 1,2-Dichlorobenzene	13.866	146	271199	52.823	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27823	51.108	ug/l		97
93) 1,2,4-Trichlorobenzene	15.128	180	173286	54.728	ug/l		96
94) Hexachlorobutadiene	15.226	225	70972	46.419	ug/l		96
95) Naphthalene	15.360	128	442766	57.038	ug/l		99
96) 1,2,3-Trichlorobenzene	15.555	180	148972	51.204	ug/l		96

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Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

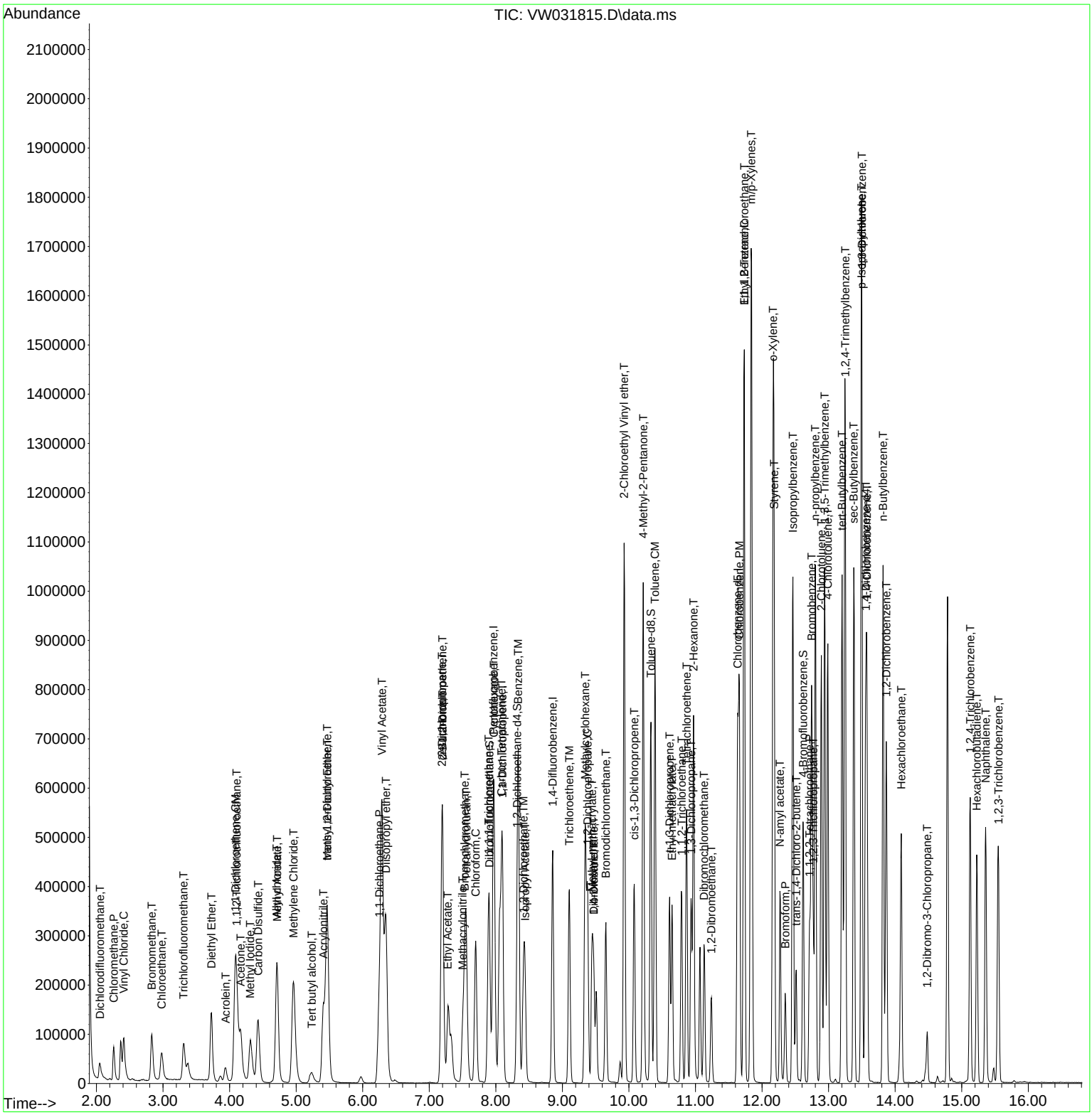
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Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

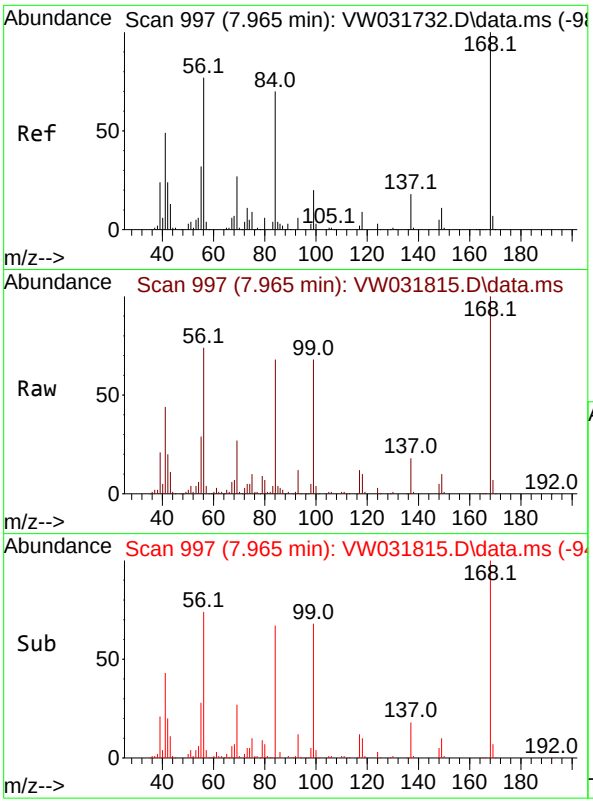
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QLast Update : Tue Jul 01 03:35:17 2025
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Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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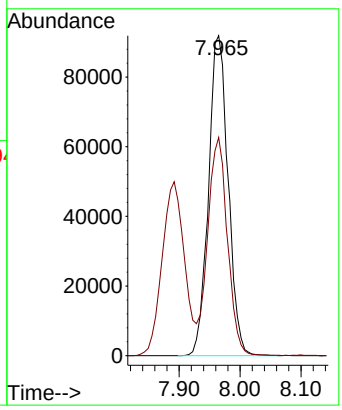




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:168 Resp: 20536

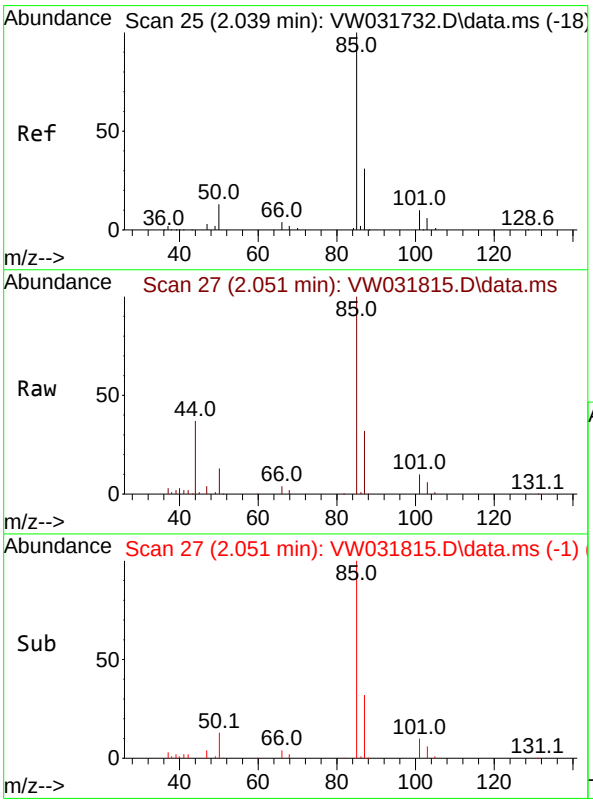
Ion	Ratio	Lower	Upper
168	100		
99	68.1	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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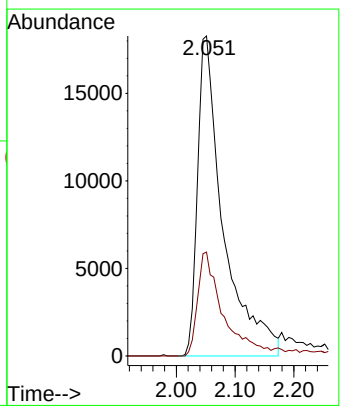
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

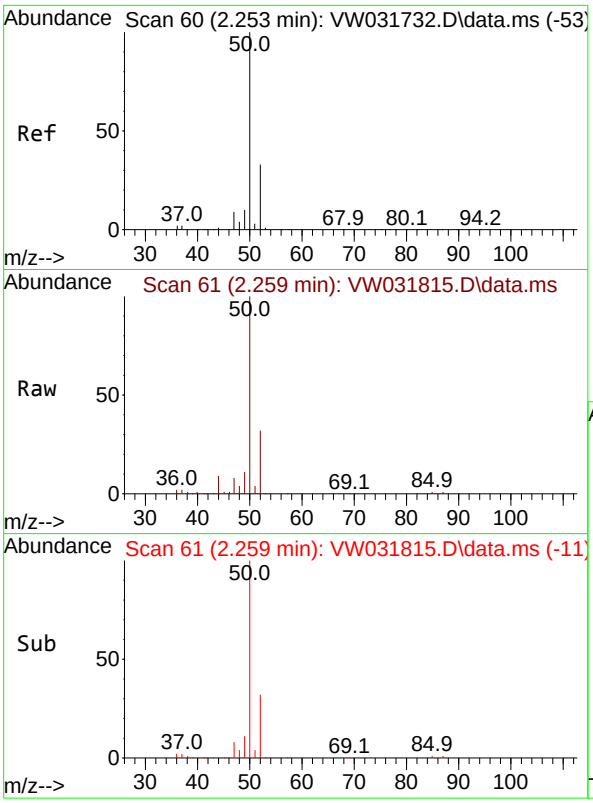


#2
Dichlorodifluoromethane
Concen: 39.797 ug/l
RT: 2.051 min Scan# 27
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 85 Resp: 55661

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.4	46.2

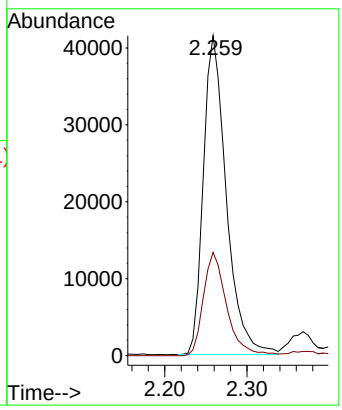




#3
Chloromethane
Concen: 47.816 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 50 Resp: 8062

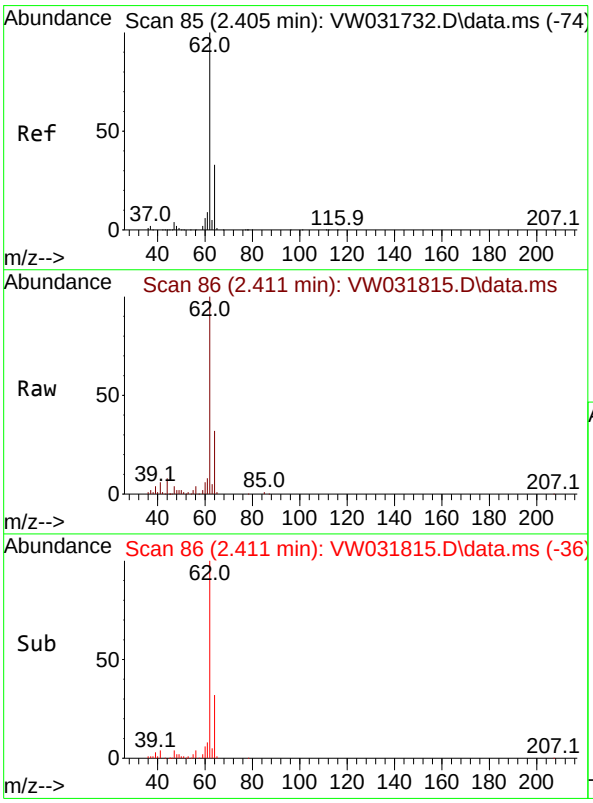
Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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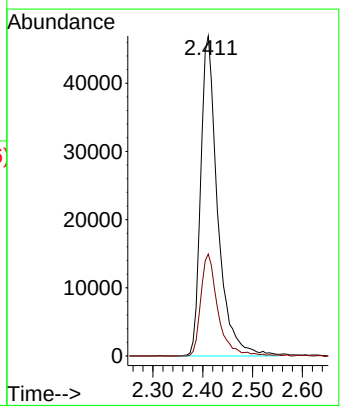
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

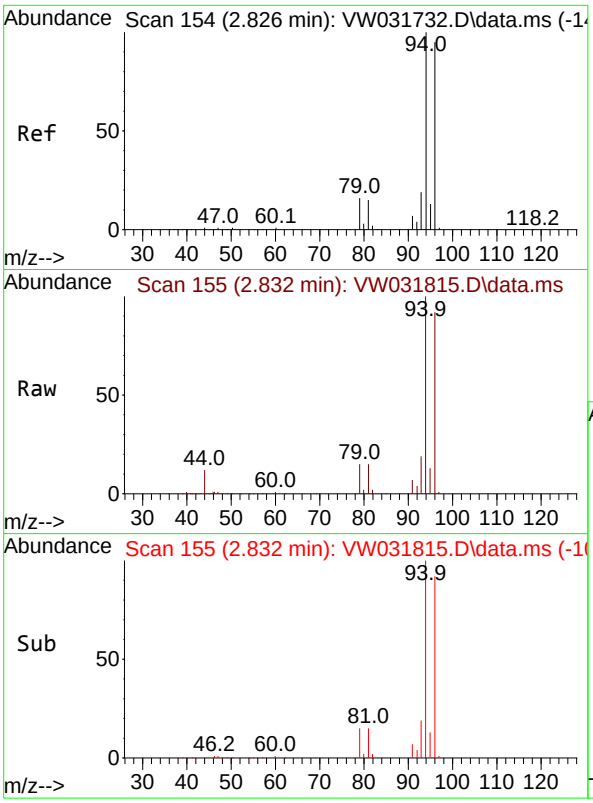


#4
Vinyl Chloride
Concen: 49.890 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 62 Resp: 110571

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.8	40.2





#5
Bromomethane
Concen: 48.274 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

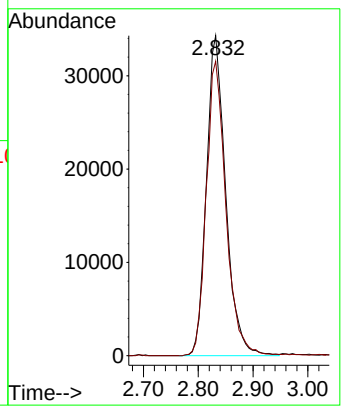
Tgt Ion: 94 Resp: 8356

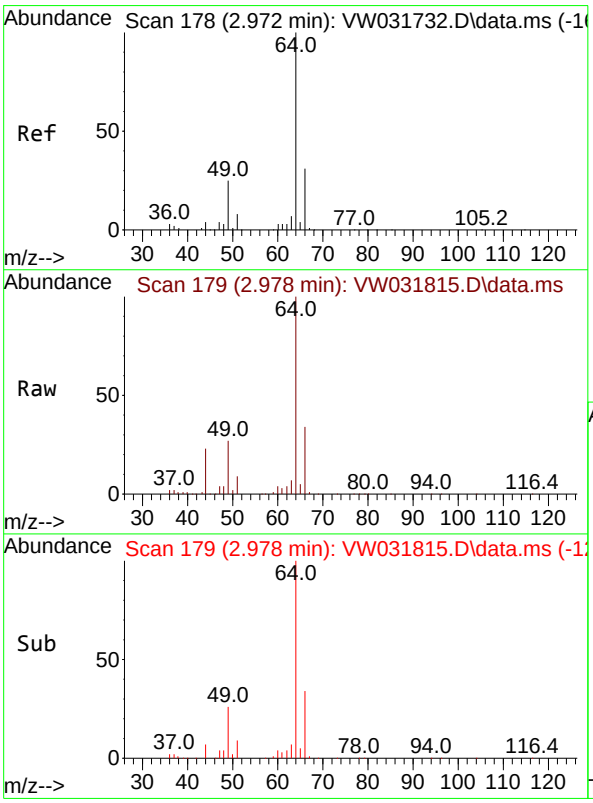
Ion	Ratio	Lower	Upper
94	100		
96	92.0	75.6	113.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

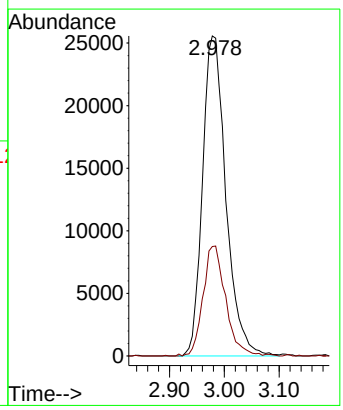


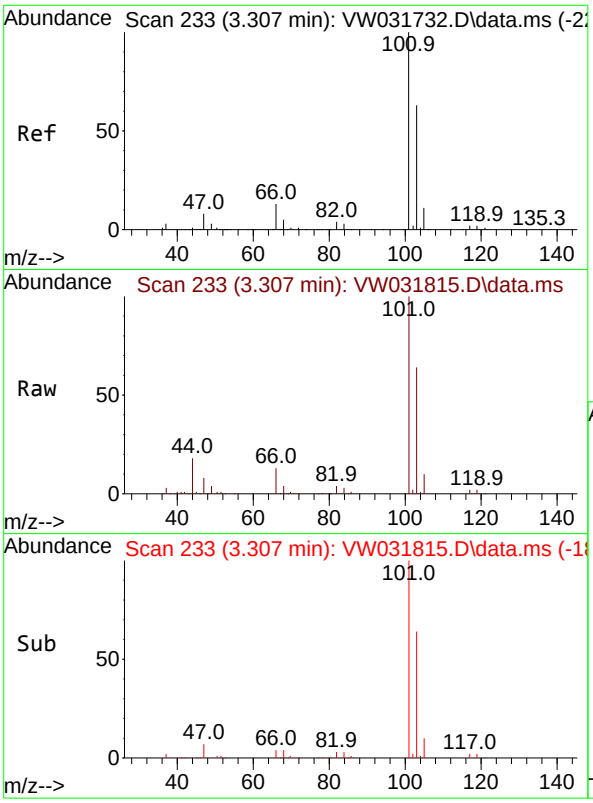


#6
Chloroethane
Concen: 50.307 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 64 Resp: 75735

Ion	Ratio	Lower	Upper
64	100		
66	34.2	24.5	36.7

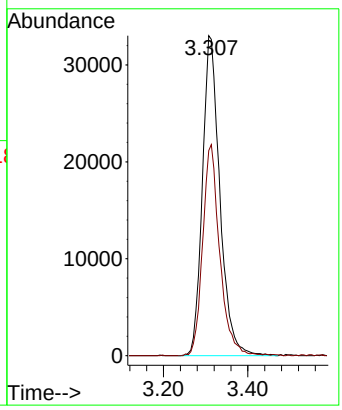




#7
Trichlorofluoromethane
Concen: 47.230 ug/l
RT: 3.307 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:101 Resp: 9506

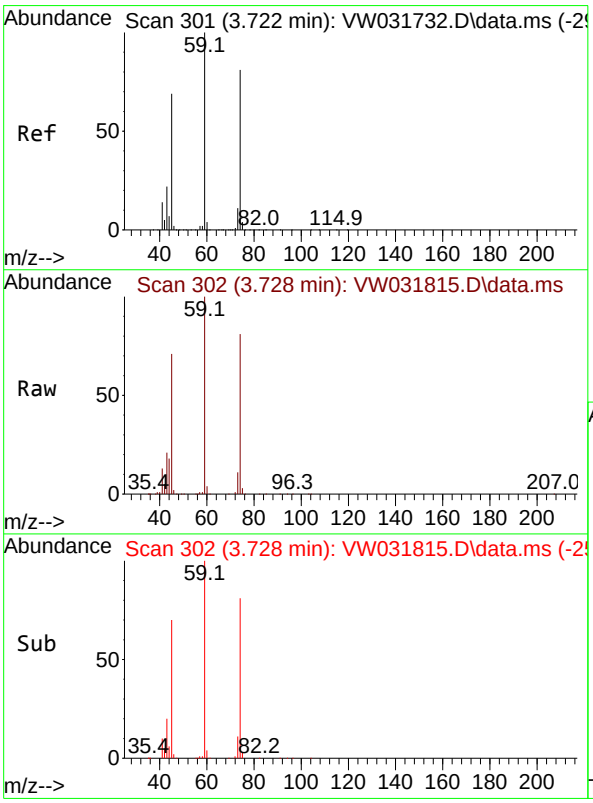
Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

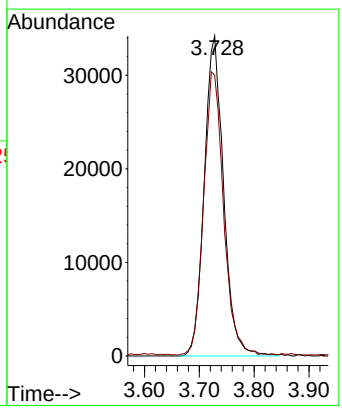
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

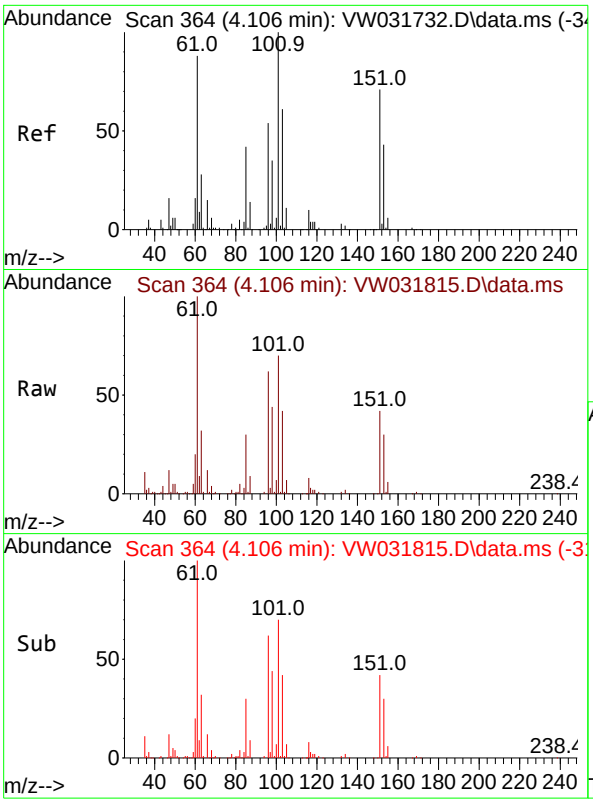


#8
Diethyl Ether
Concen: 54.533 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 74 Resp: 83406

Ion	Ratio	Lower	Upper
74	100		
45	91.4	43.9	131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.754 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

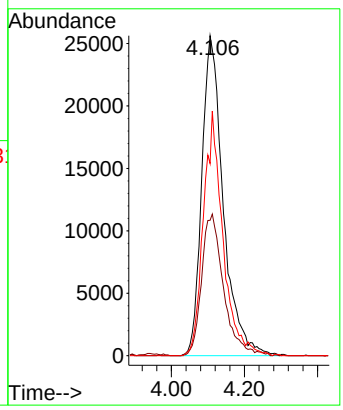
Tgt Ion:101 Resp: 10445

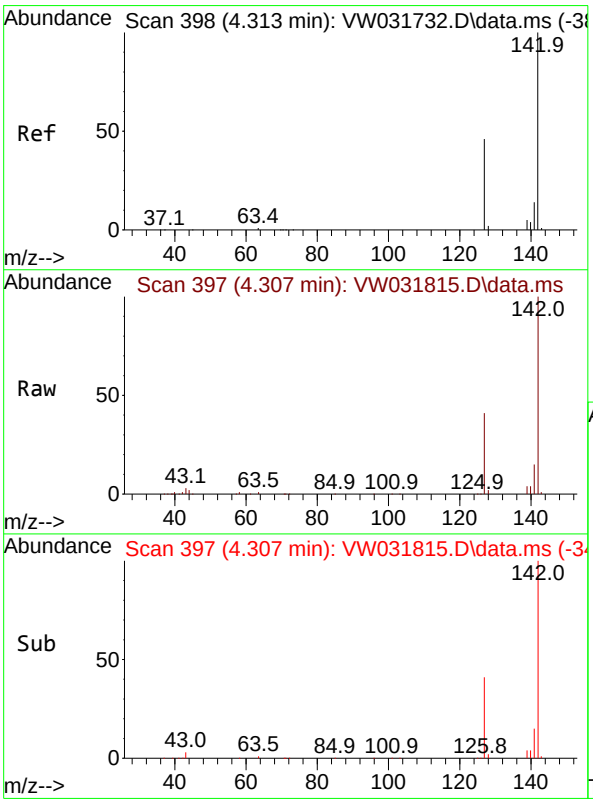
Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.6	53.4
151	69.6	56.8	85.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

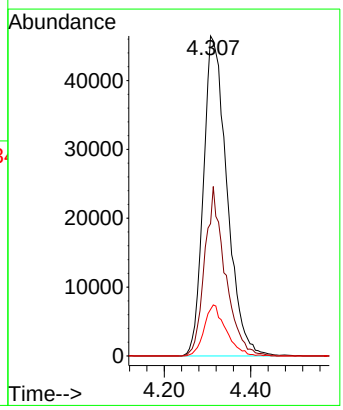


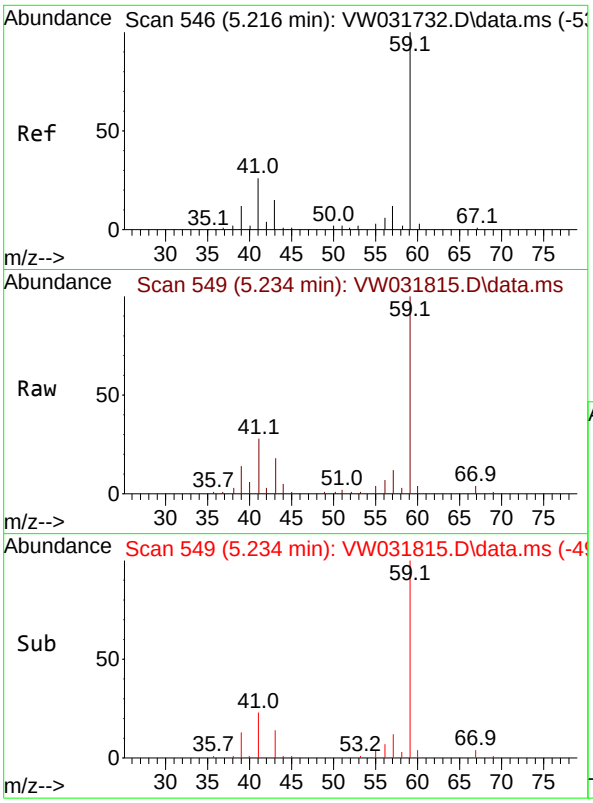


#10
Methyl Iodide
Concen: 50.876 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:142 Resp: 175224

Ion	Ratio	Lower	Upper
142	100		
127	46.3	37.9	56.9
141	14.8	11.7	17.5

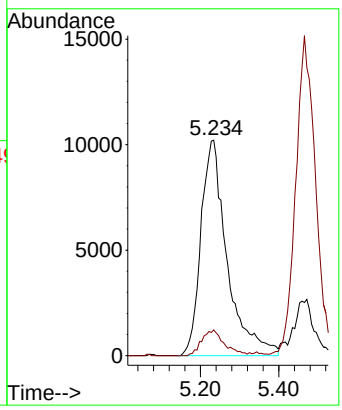




#11
Tert butyl alcohol
Concen: 260.158 ug/l
RT: 5.234 min Scan# 5
Delta R.T. 0.018 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 59 Resp: 4750

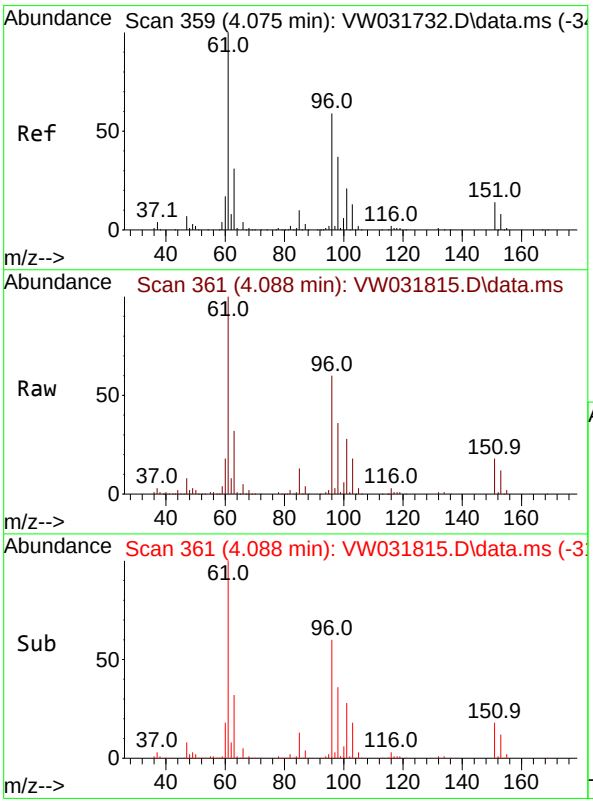
Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

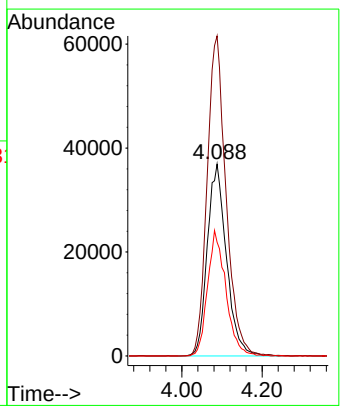
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

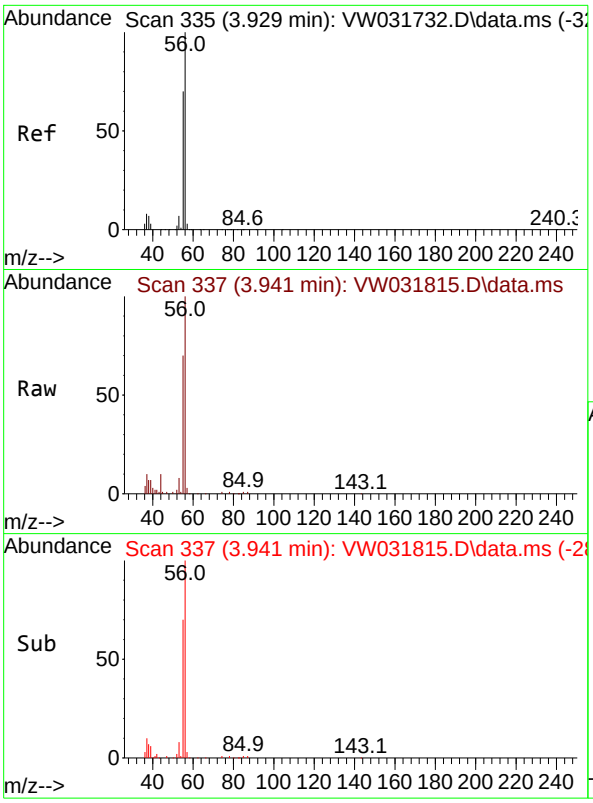


#12
1,1-Dichloroethene
Concen: 49.995 ug/l
RT: 4.088 min Scan# 361
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 96 Resp: 122342

Ion	Ratio	Lower	Upper
96	100		
61	166.8	135.8	203.8
98	59.3	50.4	75.6

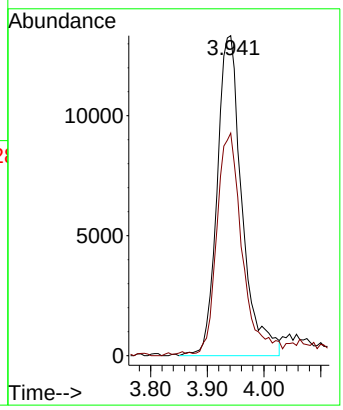




#13
Acrolein
Concen: 123.808 ug/l
RT: 3.941 min Scan# 3
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 56 Resp: 4063

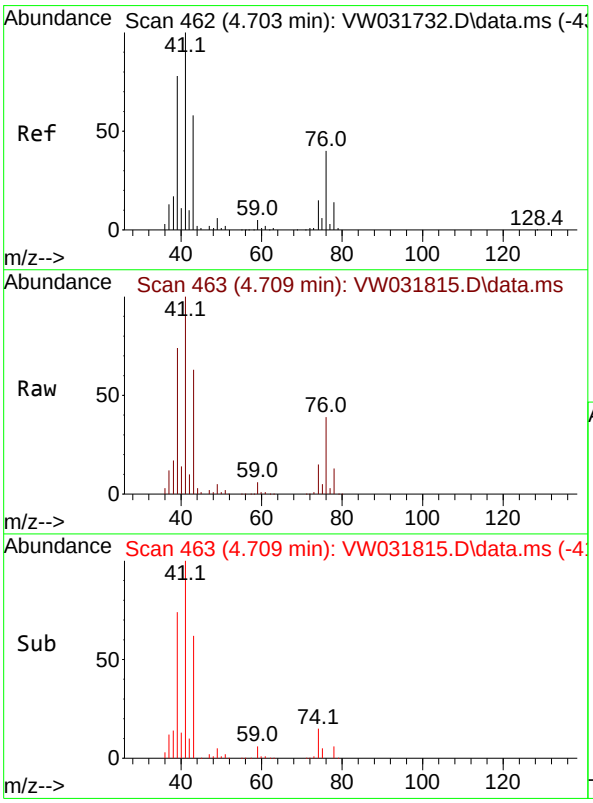
Ion	Ratio	Lower	Upper
56	100		
55	69.3	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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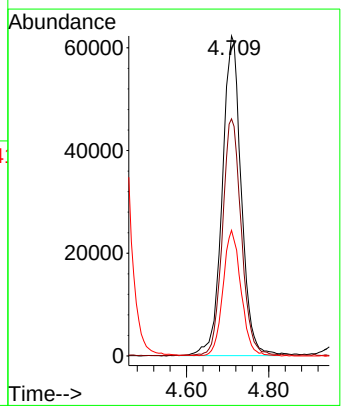
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

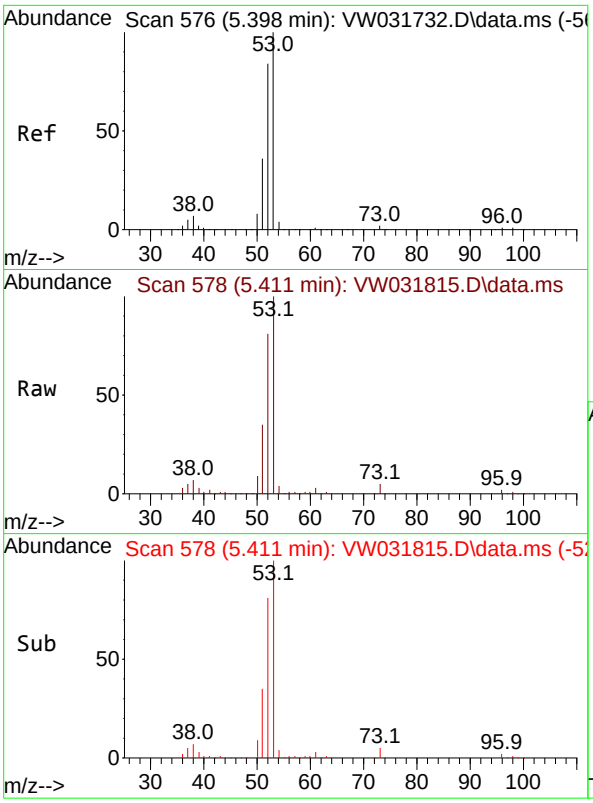


#14
Allyl chloride
Concen: 53.382 ug/l
RT: 4.709 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 41 Resp: 200427

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.7	91.1
76	37.2	30.3	45.5

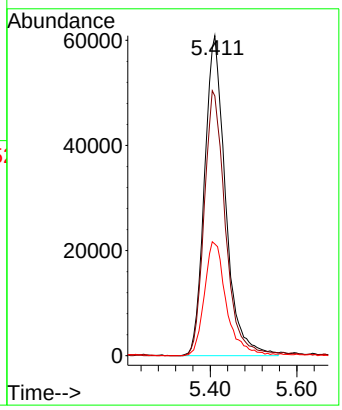




#15
Acrylonitrile
Concen: 272.235 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 53 Resp: 20475

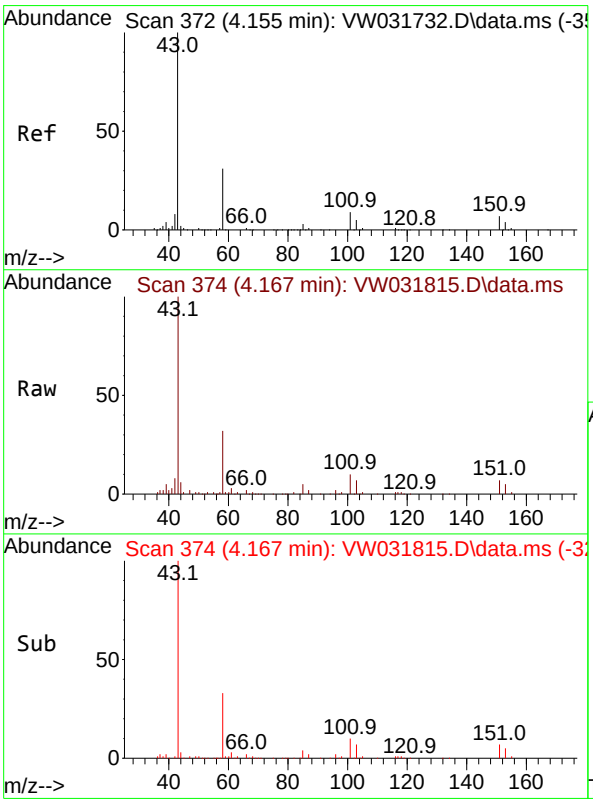
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	37.3	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

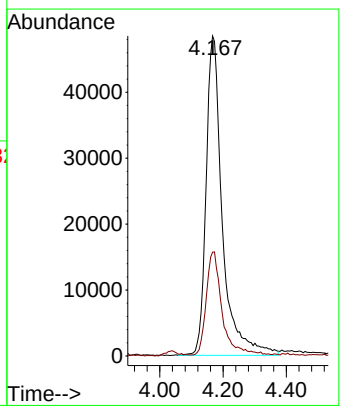
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

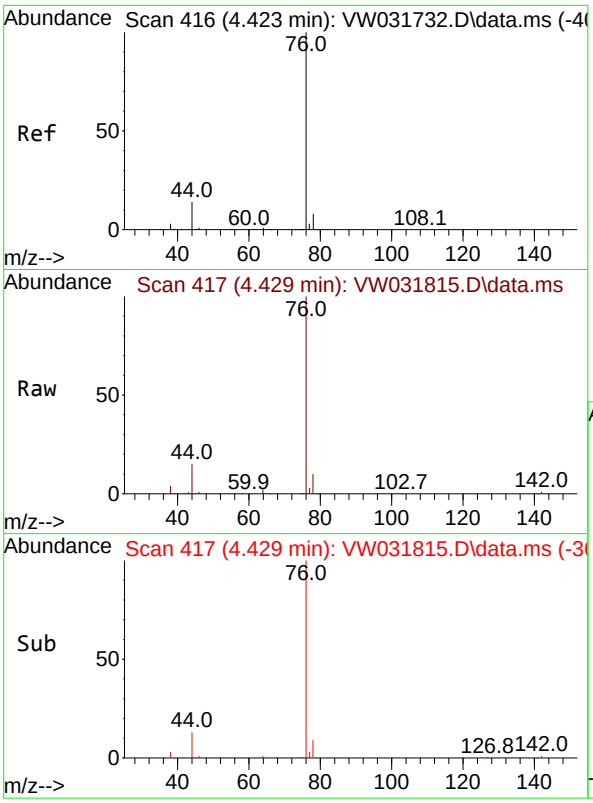


#16
Acetone
Concen: 238.337 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 173623

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.8	37.2





#17
Carbon Disulfide
Concen: 47.513 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

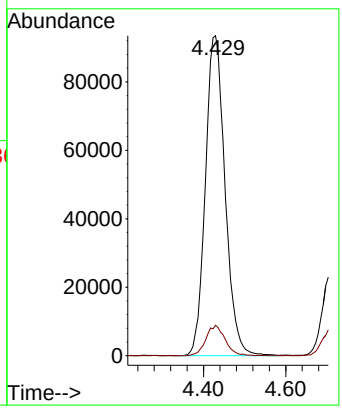
Tgt Ion: 76 Resp: 31112

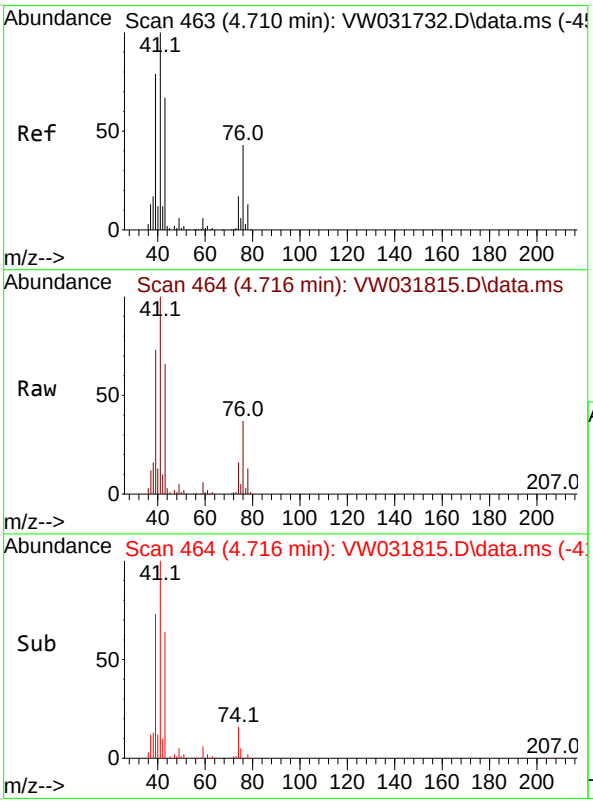
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	10.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

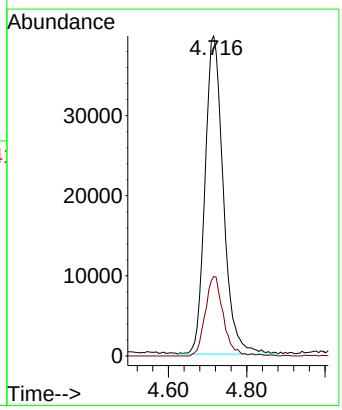


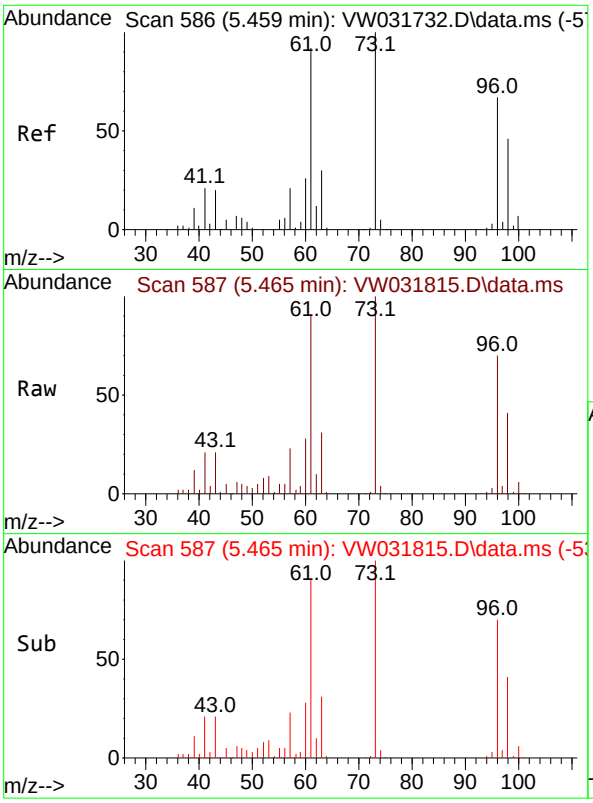


#18
Methyl Acetate
Concen: 61.747 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 128556

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.6	30.8

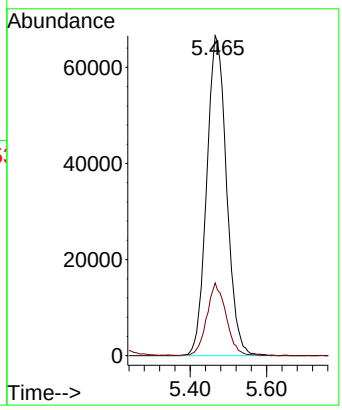




#19
Methyl tert-butyl Ether
Concen: 57.904 ug/l
RT: 5.465 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 73 Resp: 24050

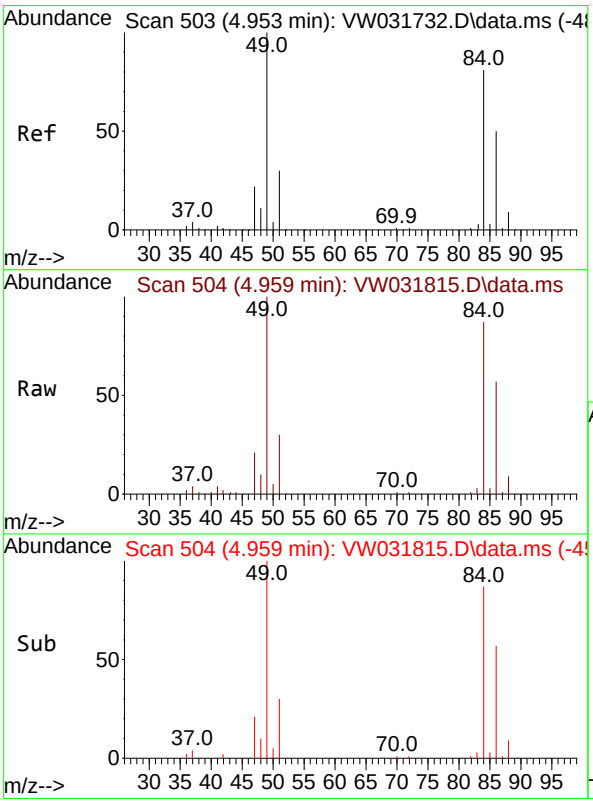
Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

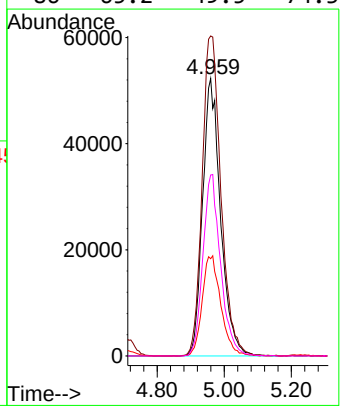
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

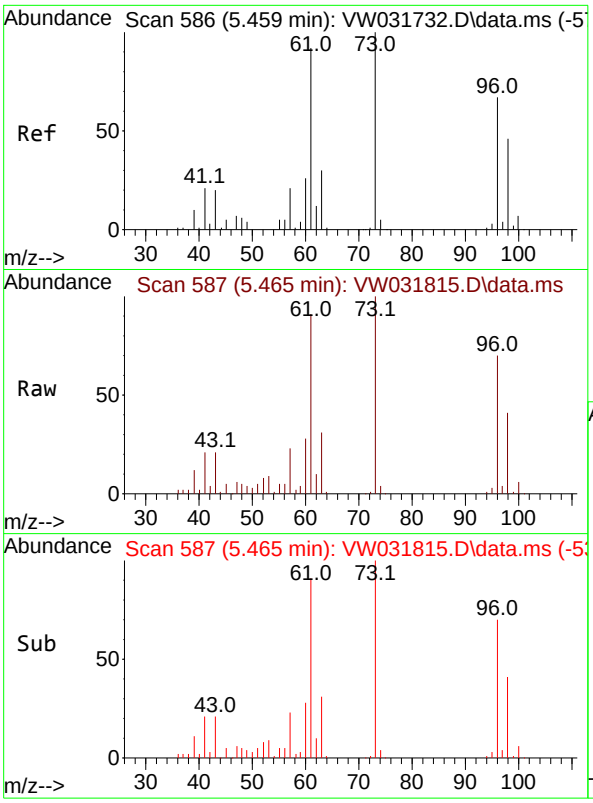


#20
Methylene Chloride
Concen: 69.515 ug/l
RT: 4.959 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 84 Resp: 194722

Ion	Ratio	Lower	Upper
84	100		
49	115.3	98.2	147.4
51	35.1	29.8	44.8
86	65.2	49.5	74.3

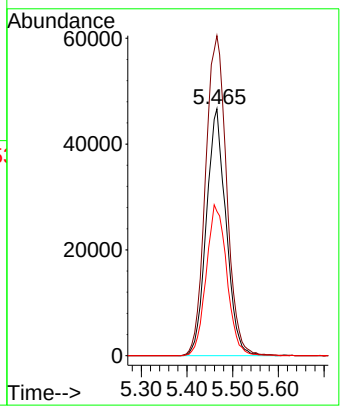




#21
trans-1,2-Dichloroethene
Concen: 53.633 ug/l
RT: 5.465 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 96 Resp: 13945

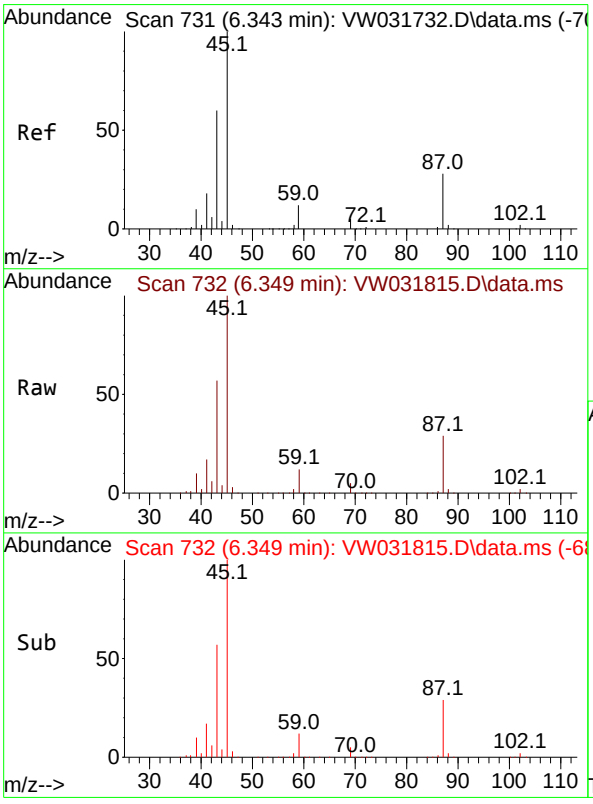
Ion	Ratio	Lower	Upper
96	100		
61	129.6	109.8	164.6
98	58.4	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

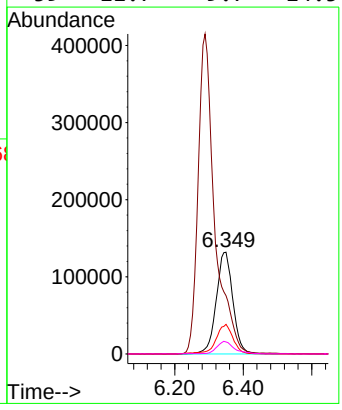
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

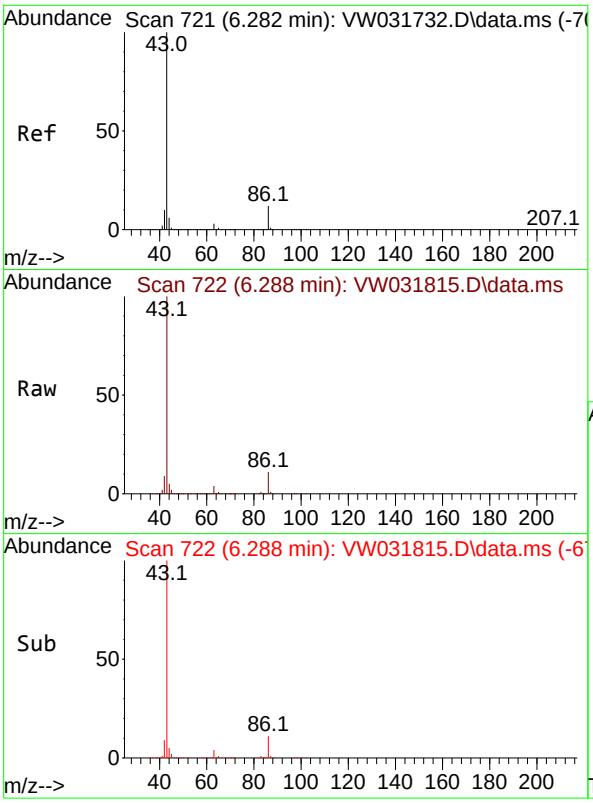


#22
Diisopropyl ether
Concen: 60.319 ug/l
RT: 6.349 min Scan# 732
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 45 Resp: 441696

Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.3	72.5
87	29.1	22.6	34.0
59	11.7	9.7	14.5

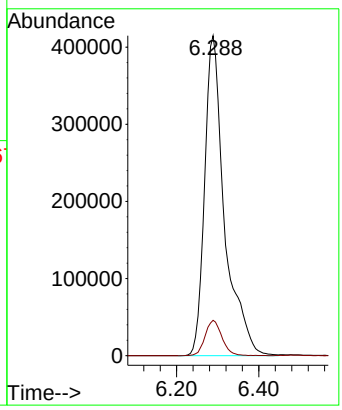




#23
Vinyl Acetate
Concen: 279.048 ug/l
RT: 6.288 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 139570

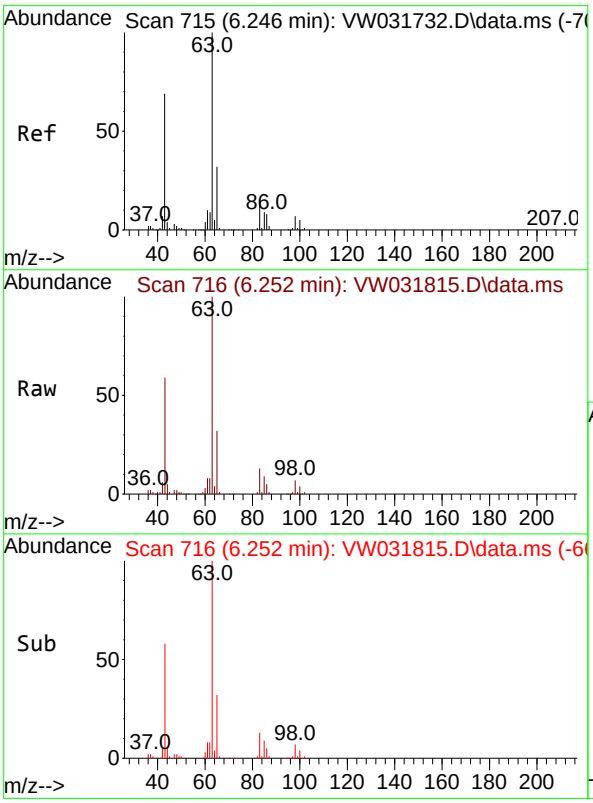
Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

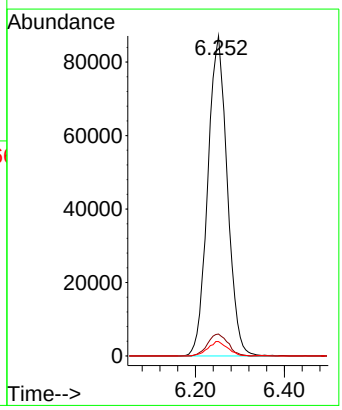
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

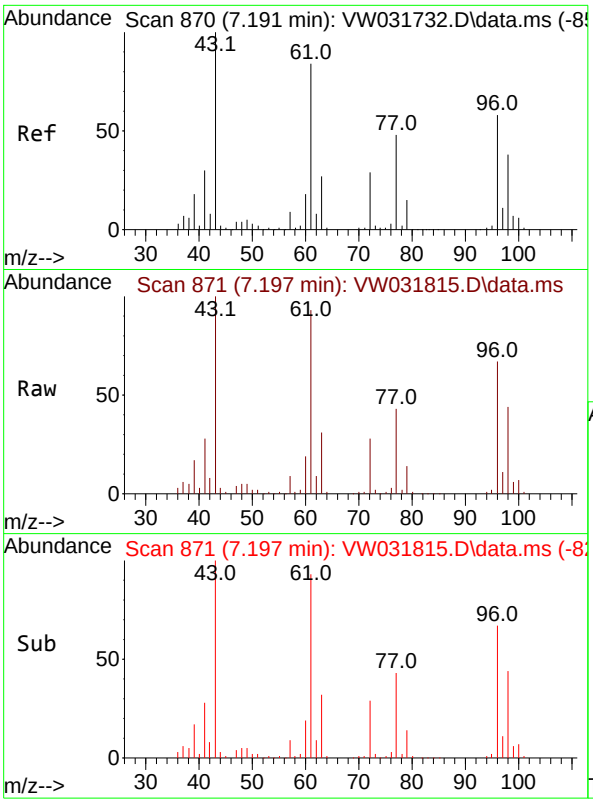


#24
1,1-Dichloroethane
Concen: 55.926 ug/l
RT: 6.252 min Scan# 716
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 63 Resp: 265504

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.5	2.5	7.5

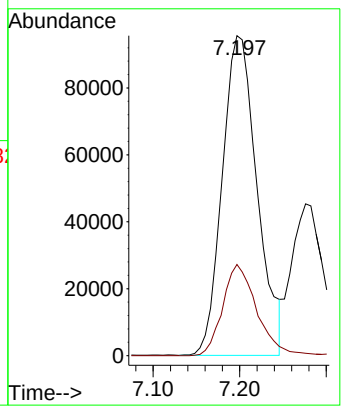




#25
2-Butanone
Concen: 281.927 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 26719

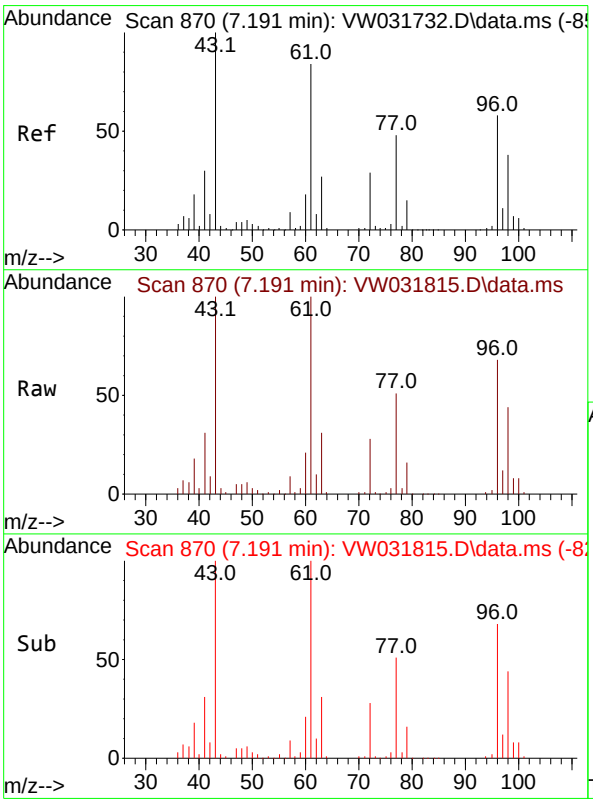
Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

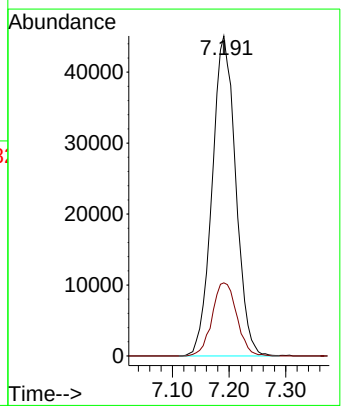
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

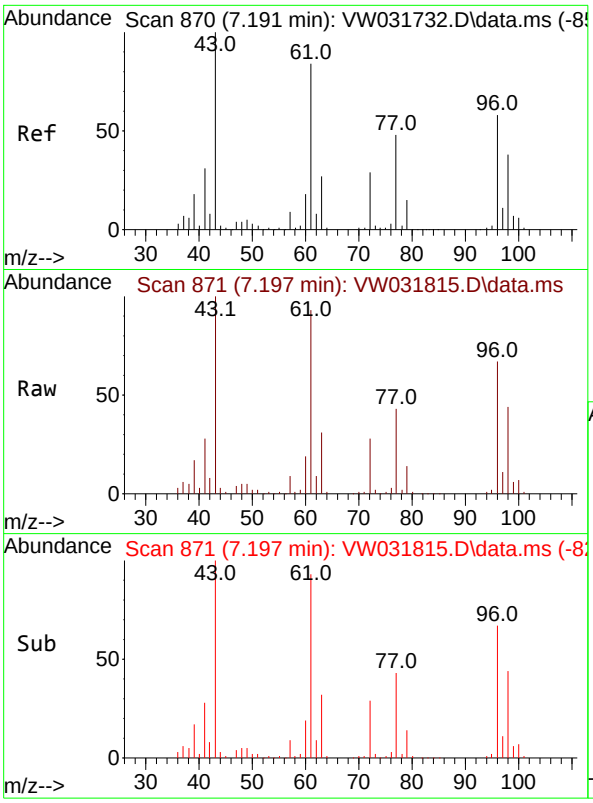


#26
2,2-Dichloropropane
Concen: 47.063 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 77 Resp: 130360

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.6	34.7

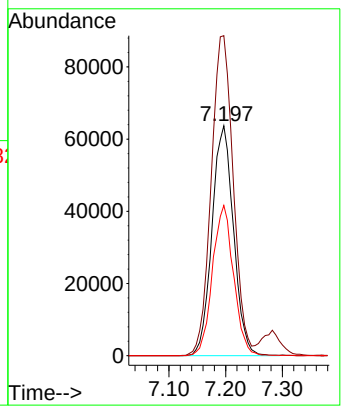




#27
cis-1,2-Dichloroethene
Concen: 56.224 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 96 Resp: 16804

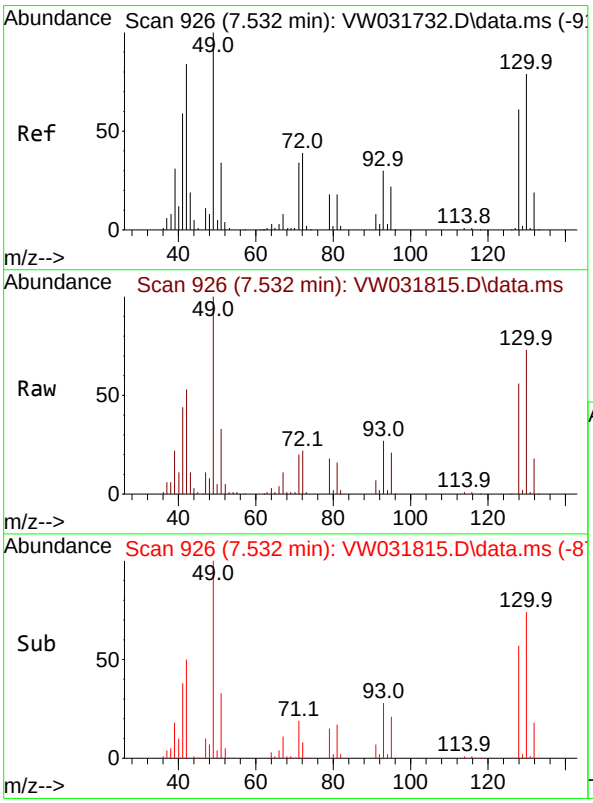
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	286.8
98	64.0	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

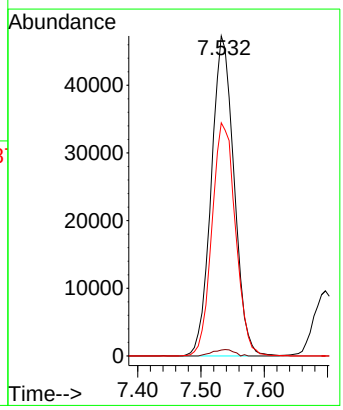
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

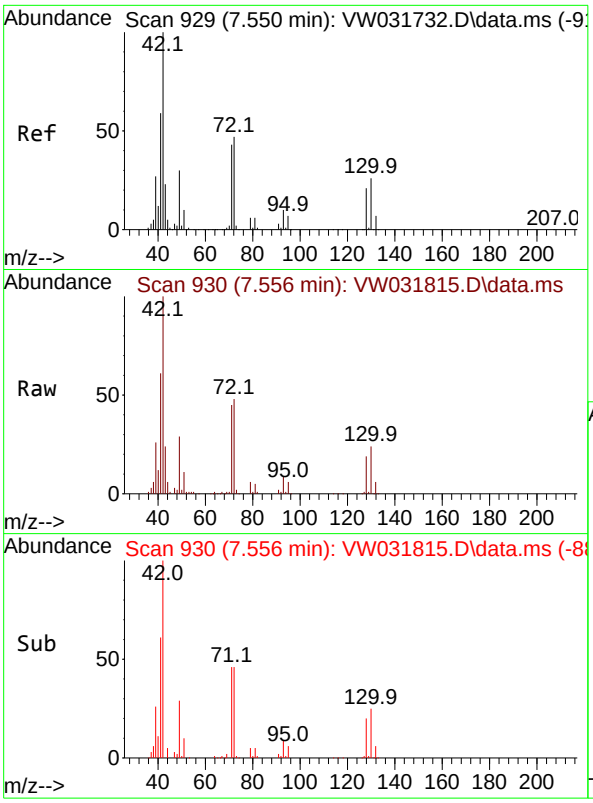


#28
Bromochloromethane
Concen: 56.409 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 49 Resp: 118177

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.4
130	75.3	61.3	91.9

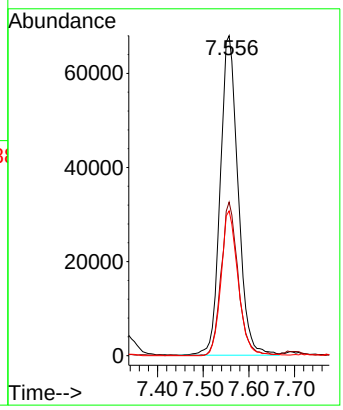




#29
Tetrahydrofuran
Concen: 283.770 ug/l
RT: 7.556 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 42 Resp: 18417

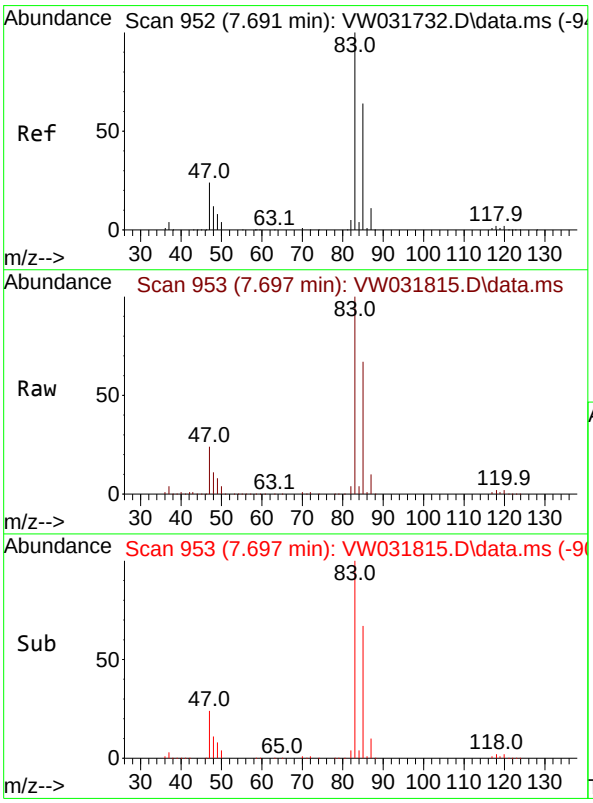
Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.8	55.2
71	43.6	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

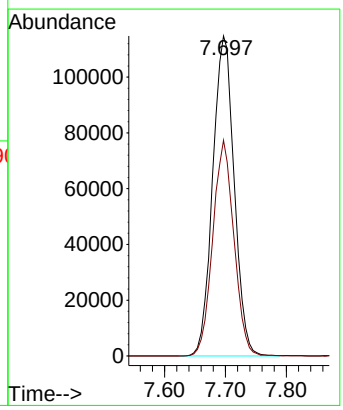
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

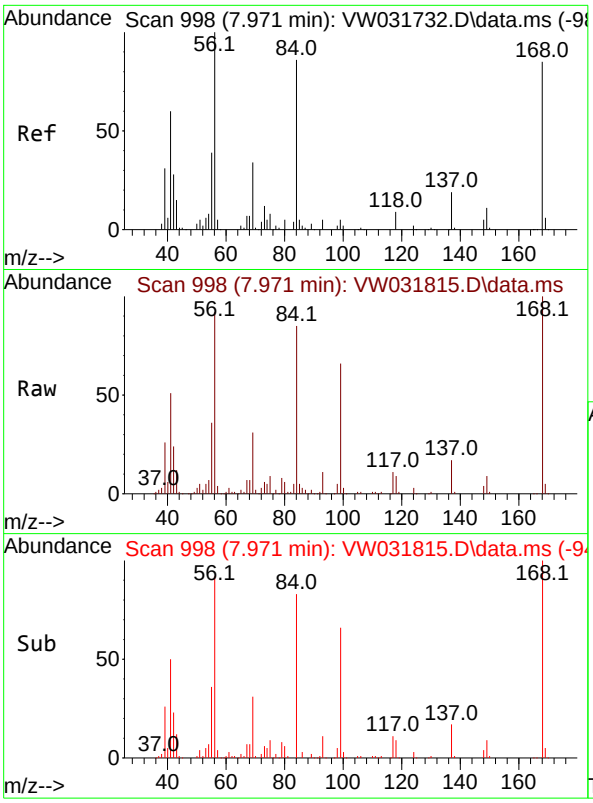


#30
Chloroform
Concen: 55.703 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 83 Resp: 280995

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.4	77.0

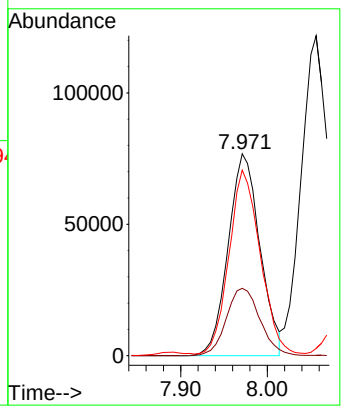




#31
Cyclohexane
Concen: 46.645 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 56 Resp: 19574

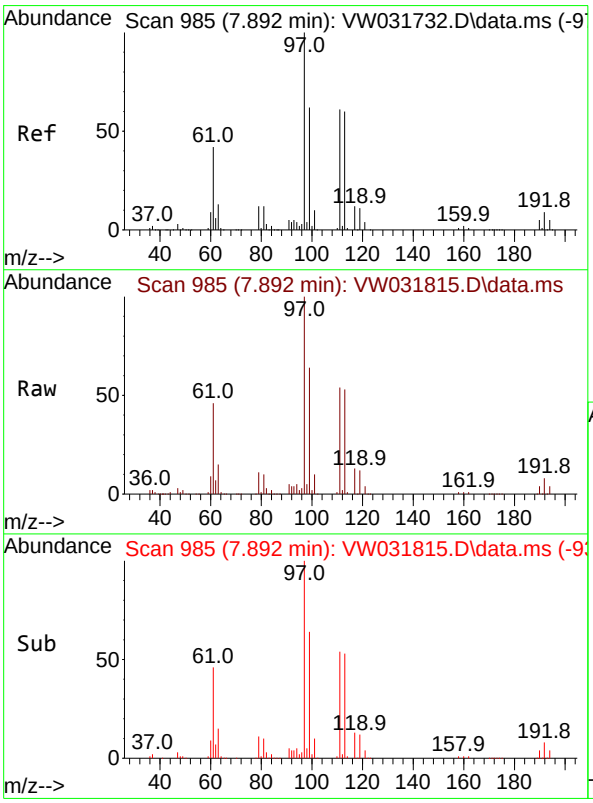
Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.2	40.8
84	90.5	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

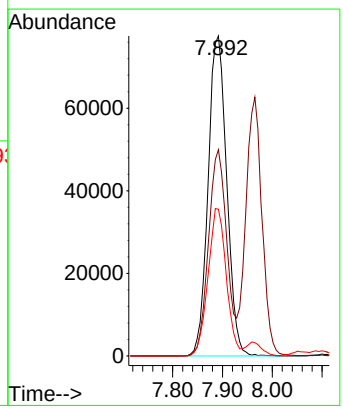
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

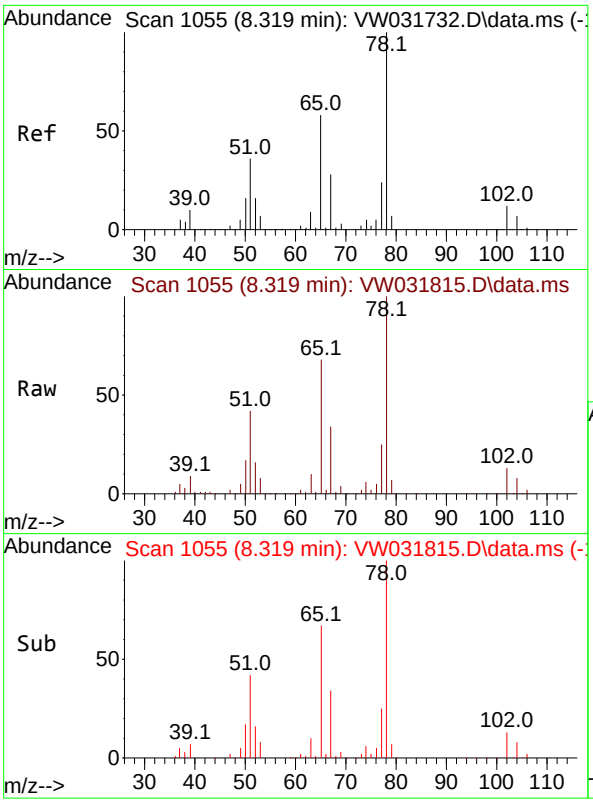


#32
1,1,1-Trichloroethane
Concen: 51.696 ug/l
RT: 7.892 min Scan# 985
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 97 Resp: 200972

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	45.5	36.0	54.0

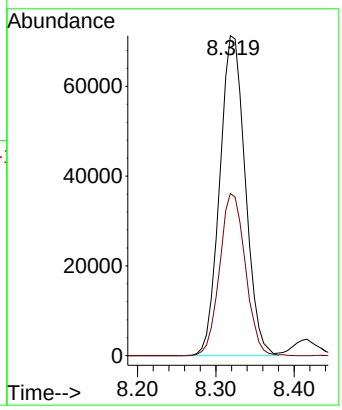




#33
1,2-Dichloroethane-d4
Concen: 54.835 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 65 Resp: 16161

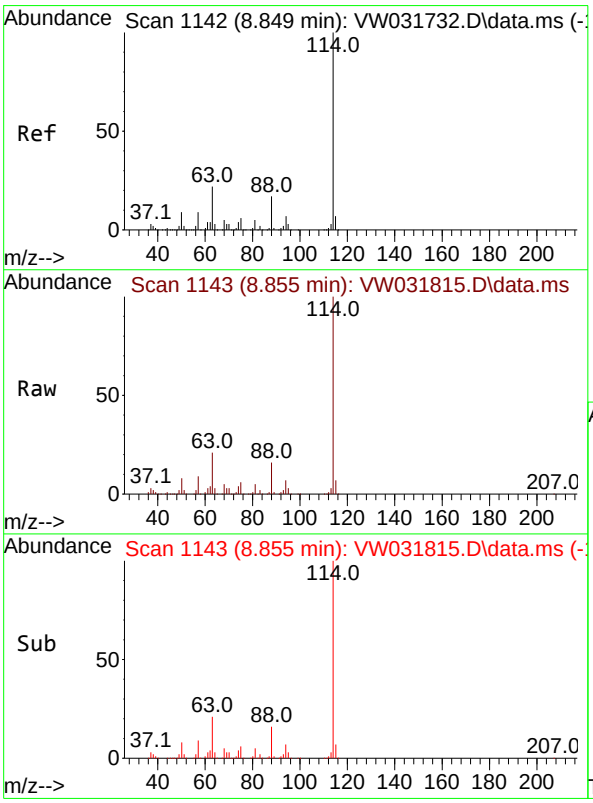
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

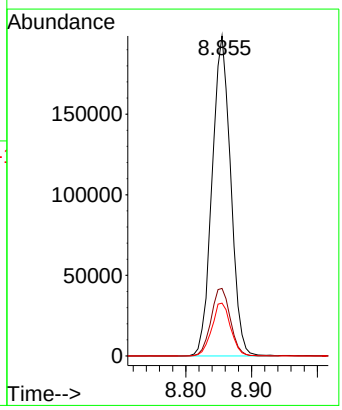
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

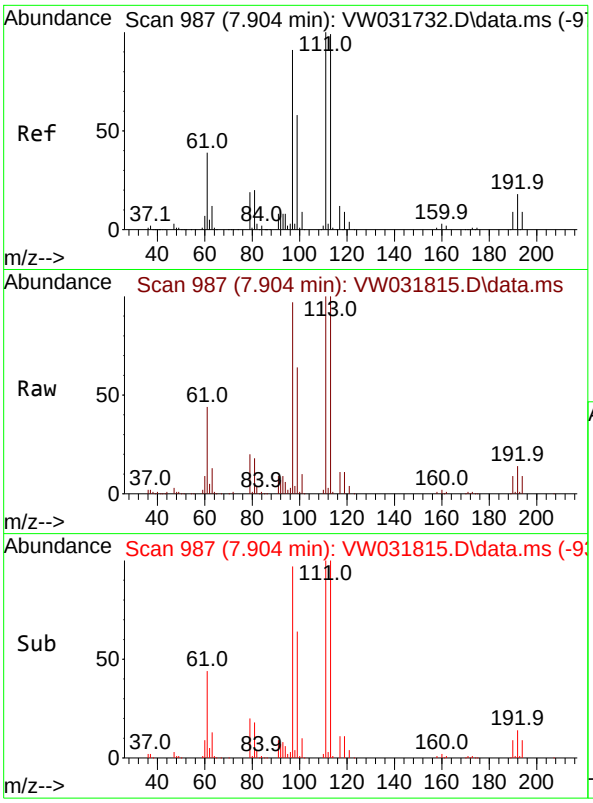


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:114 Resp: 390811

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.6
88	16.5	0.0	34.2

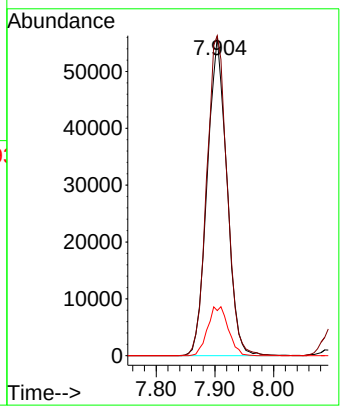




#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:113 Resp: 12990

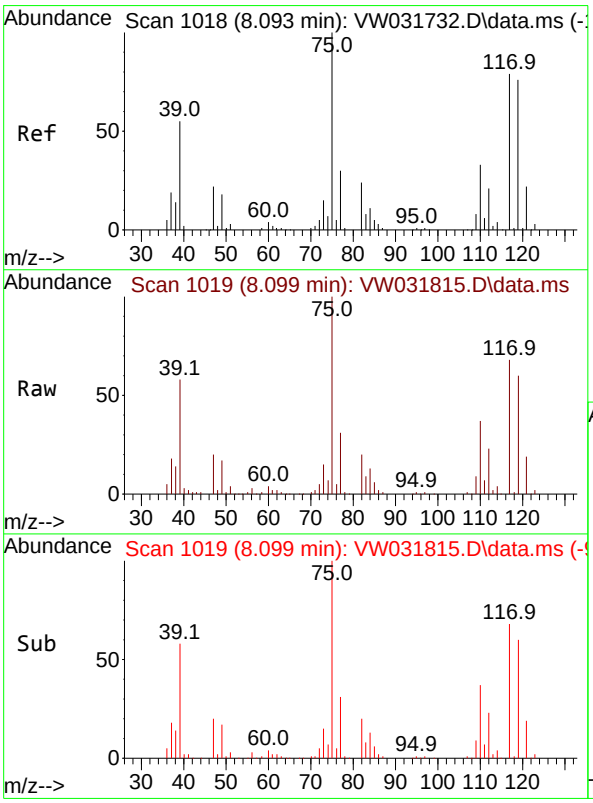
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.1	123.1
192	16.3	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

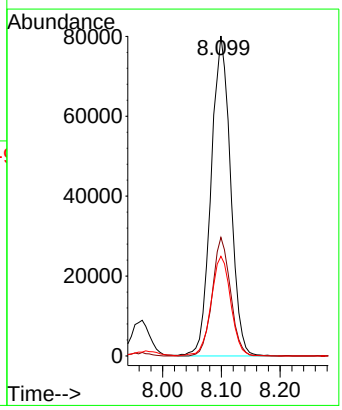
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

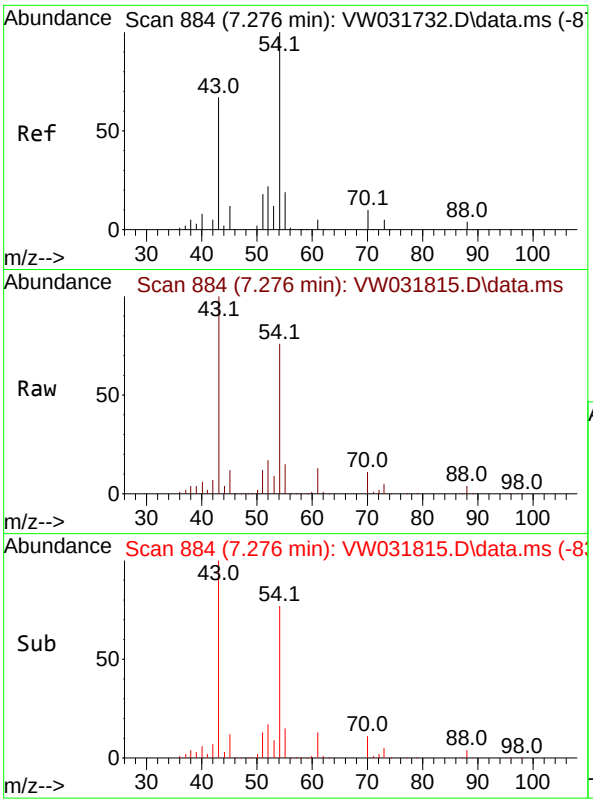


#36
1,1-Dichloropropene
Concen: 49.902 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 184153

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.8	50.4
77	31.5	25.0	37.6





#37
Ethyl Acetate
Concen: 52.605 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

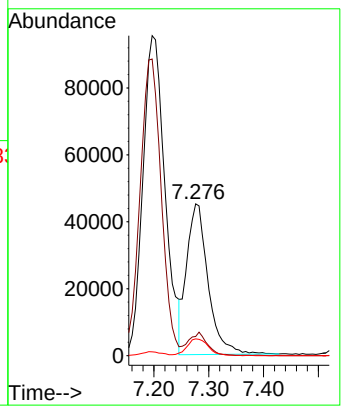
Tgt Ion: 43 Resp: 12245

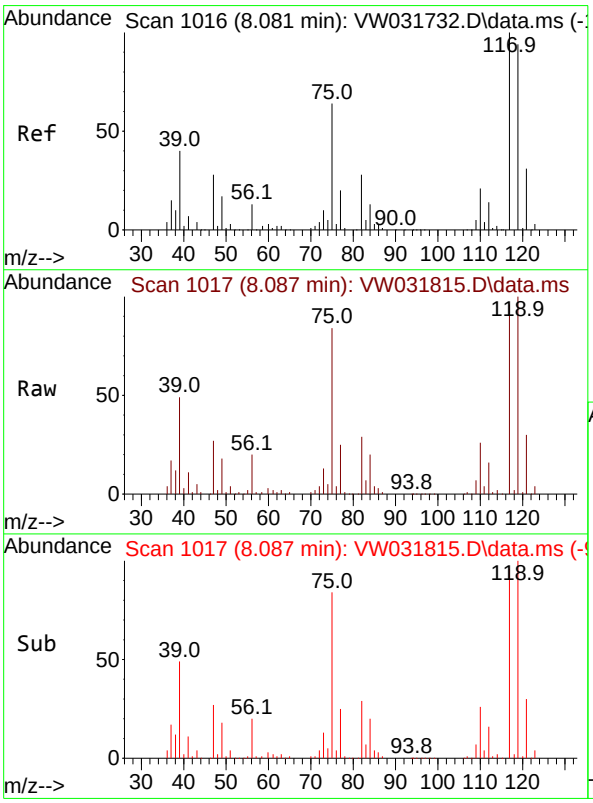
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.9	16.3
70	11.2	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

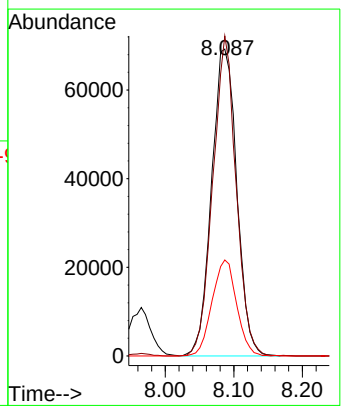


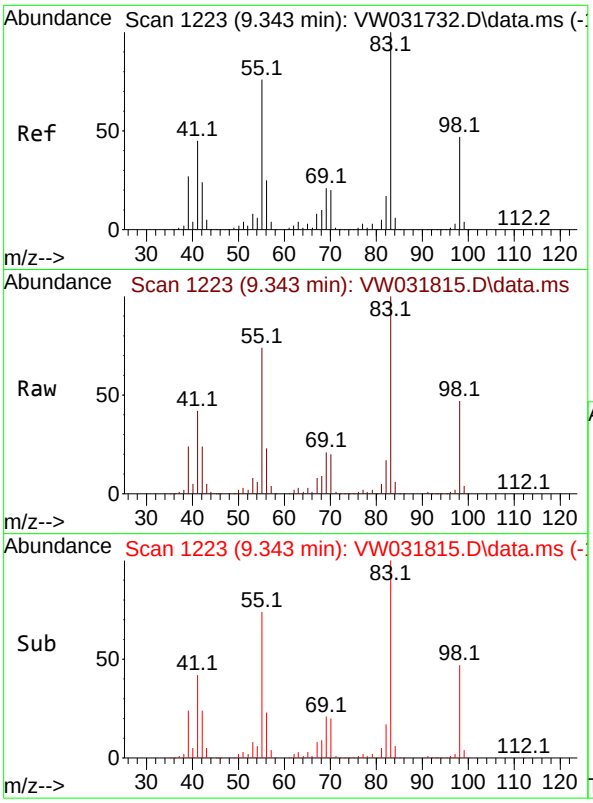


#38
Carbon Tetrachloride
Concen: 47.048 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:117 Resp: 176925

Ion	Ratio	Lower	Upper
117	100		
119	104.3	75.0	112.6
121	31.3	24.6	37.0

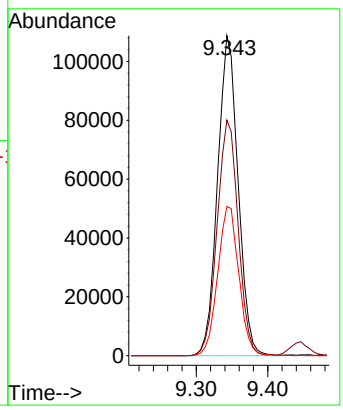




#39
Methylcyclohexane
Concen: 47.227 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 83 Resp: 21683

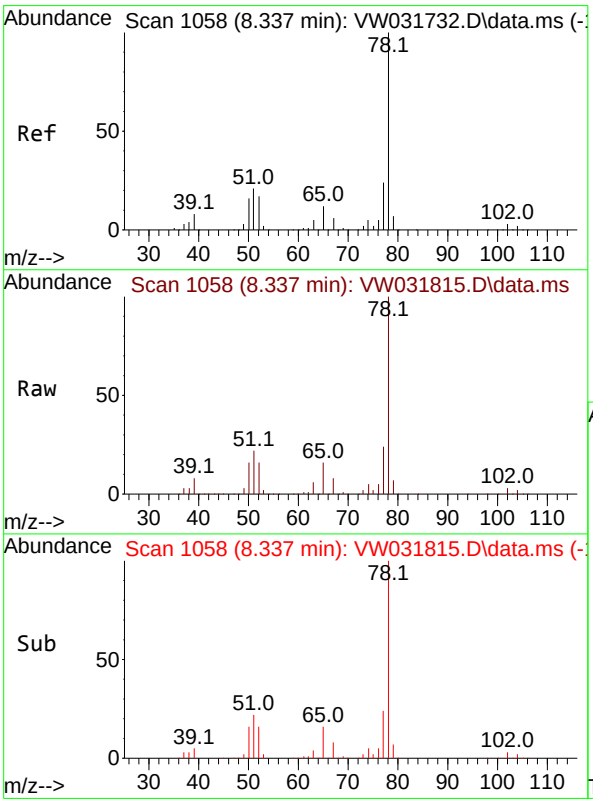
Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.4
98	46.6	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

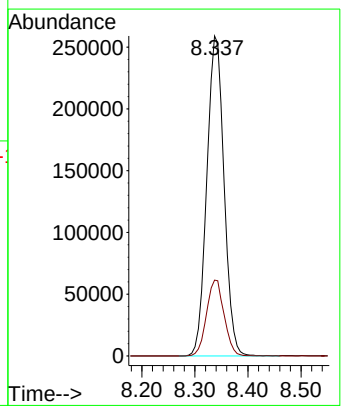
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

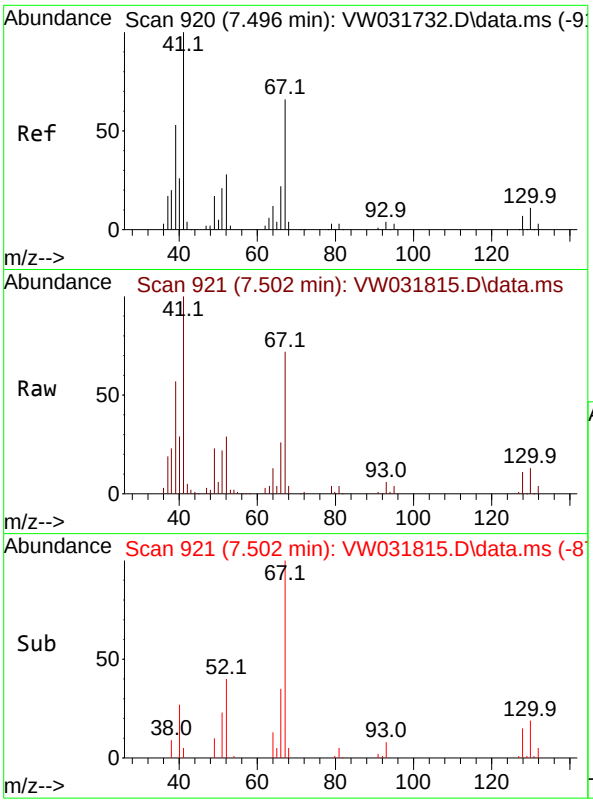


#40
Benzene
Concen: 53.549 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 78 Resp: 584651

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8

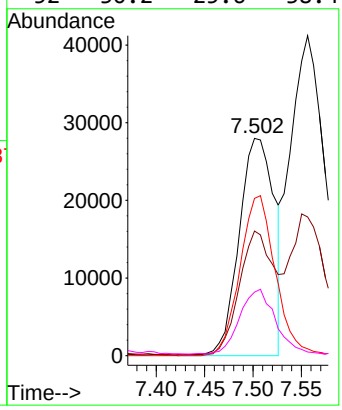




#41
Methacrylonitrile
Concen: 56.835 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 41 Resp: 7087

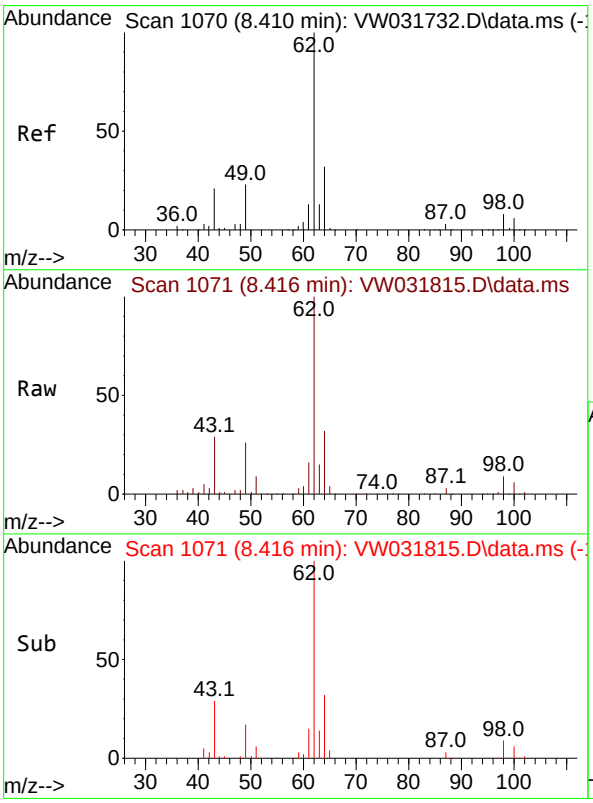
Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.2	64.8
67	74.5	58.1	87.1
52	30.2	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

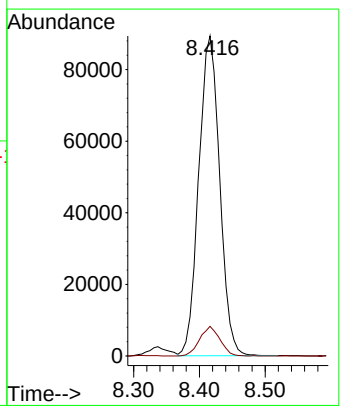
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

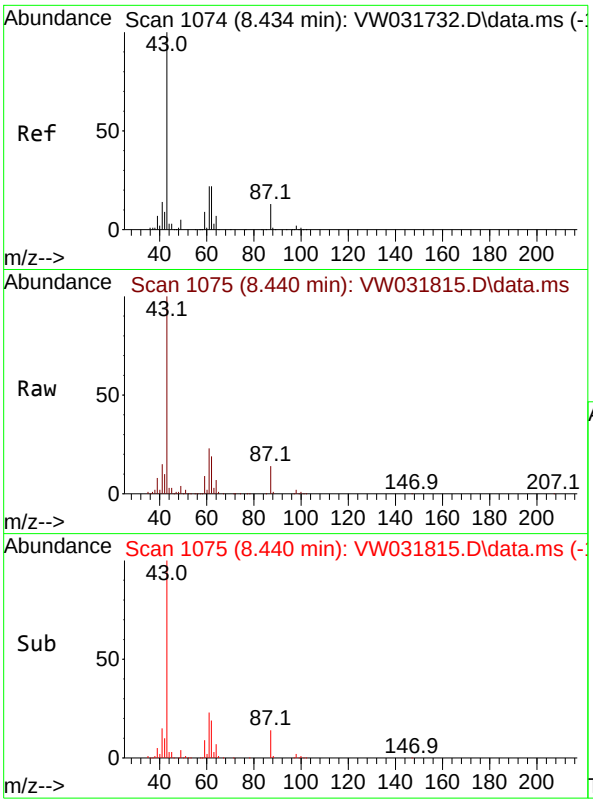


#42
1,2-Dichloroethane
Concen: 53.716 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 62 Resp: 198163

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





#43
Isopropyl Acetate
Concen: 54.802 ug/l
RT: 8.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

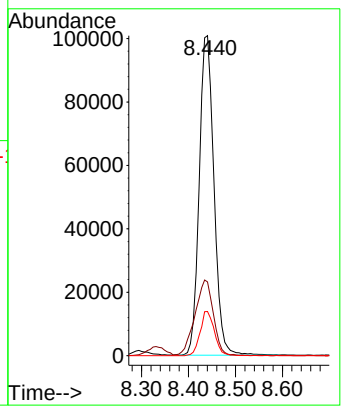
Tgt Ion: 43 Resp: 21990

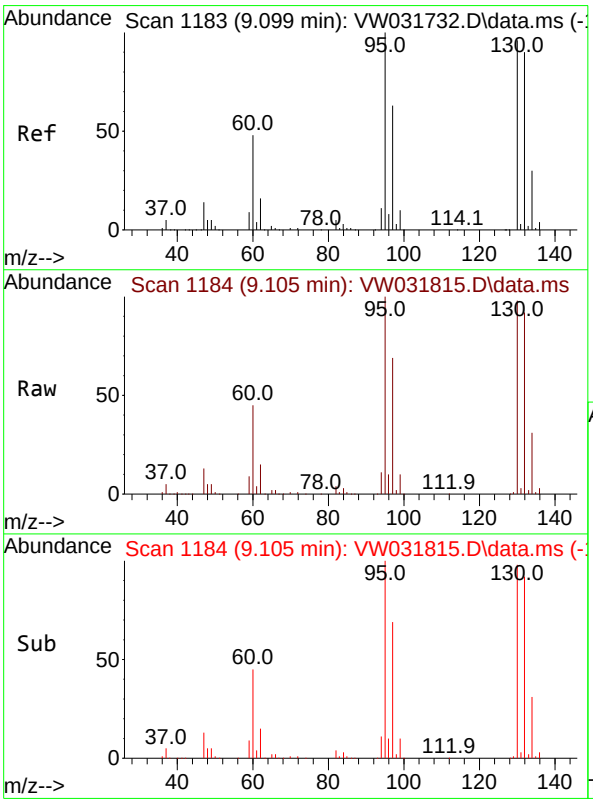
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.1	34.7
87	13.4	10.8	16.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

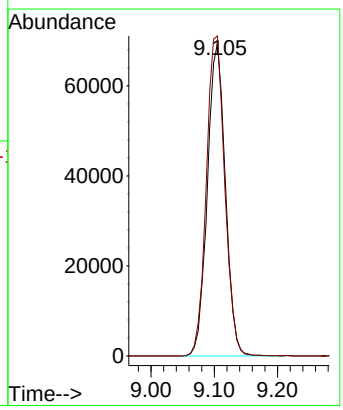


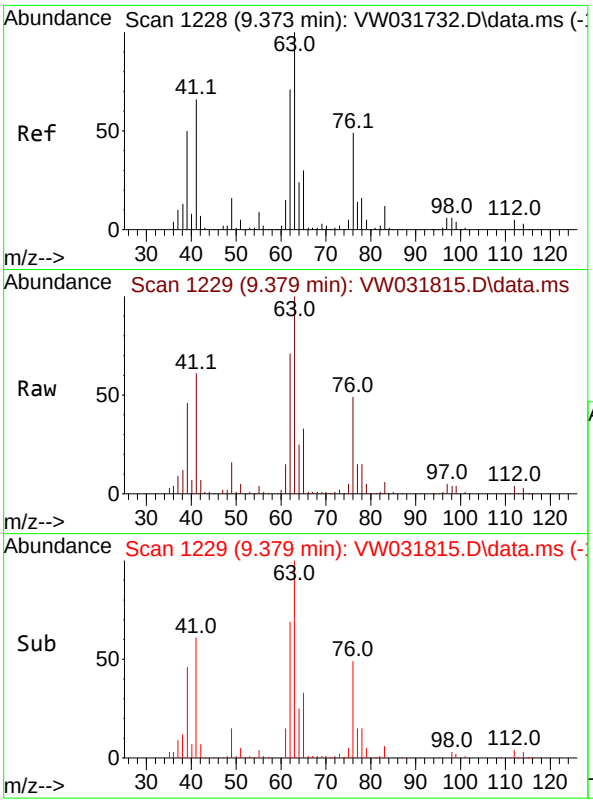


#44
Trichloroethene
Concen: 50.321 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:130 Resp: 137128

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	208.6

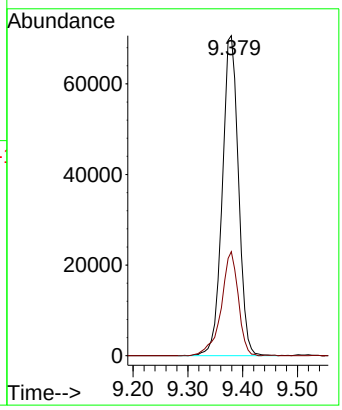




#45
1,2-Dichloropropane
Concen: 54.947 ug/l
RT: 9.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 63 Resp: 14499

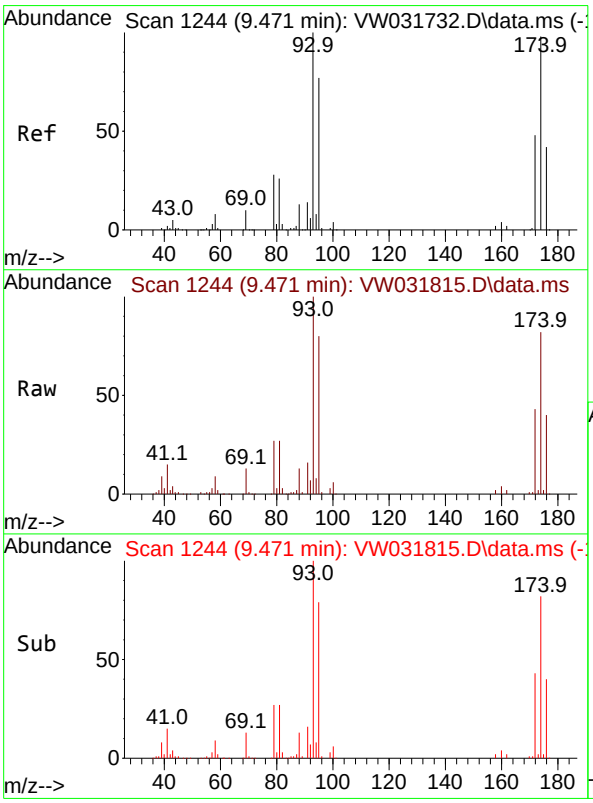
Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

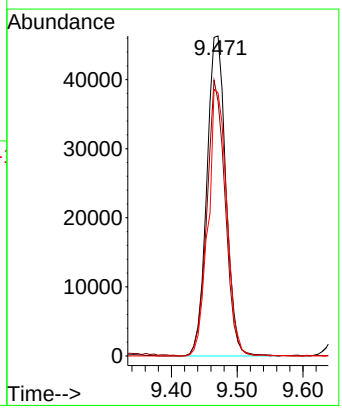
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

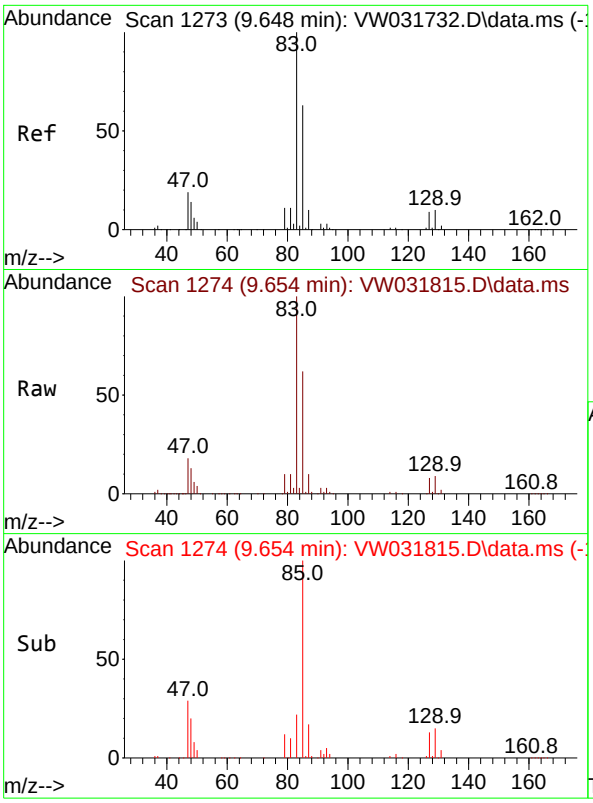


#46
Dibromomethane
Concen: 54.735 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 93 Resp: 93246

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.0	100.4
174	81.5	71.7	107.5

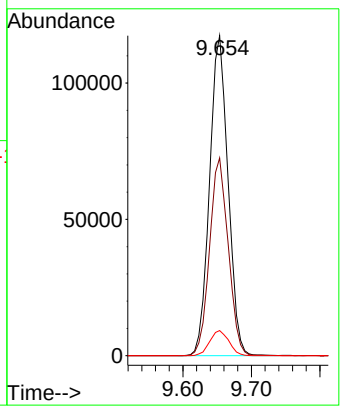




#47
Bromodichloromethane
Concen: 55.033 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 83 Resp: 21985

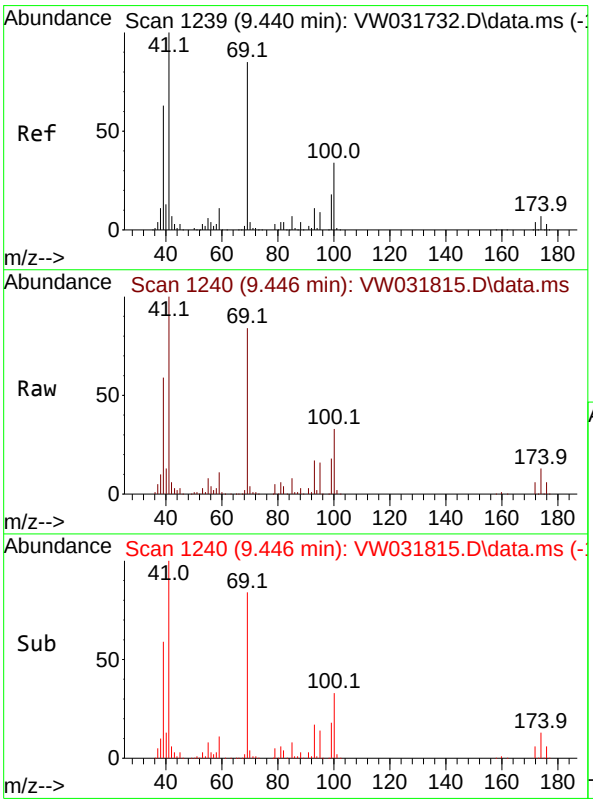
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.8	76.2
127	7.9	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

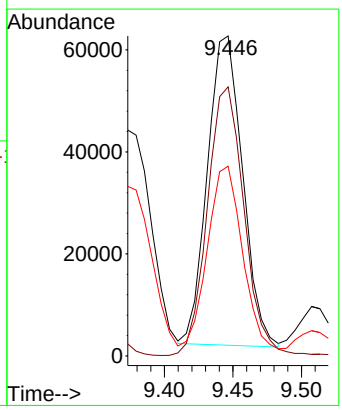
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

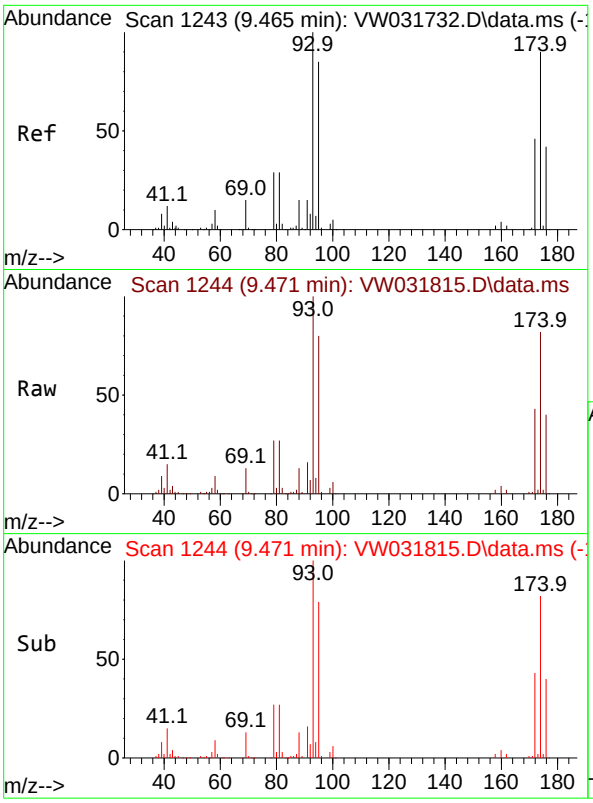


#48
Methyl methacrylate
Concen: 54.800 ug/l
RT: 9.446 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 41 Resp: 108127

Ion	Ratio	Lower	Upper
41	100		
69	91.5	71.6	107.4
39	63.2	49.5	74.3

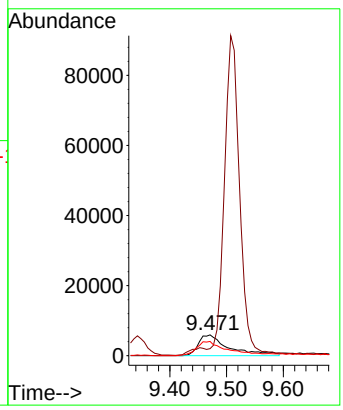




#49
1,4-Dioxane
Concen: 1117.198 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 88 Resp: 2229

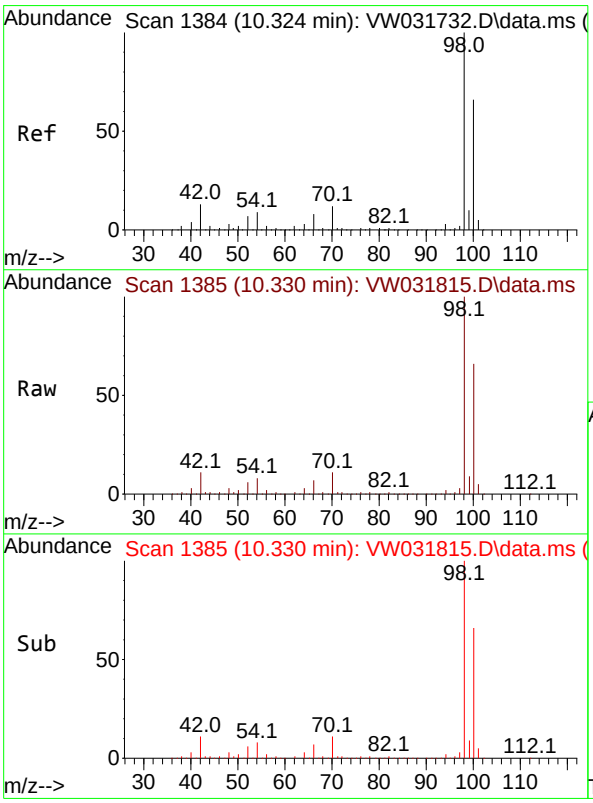
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.3	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

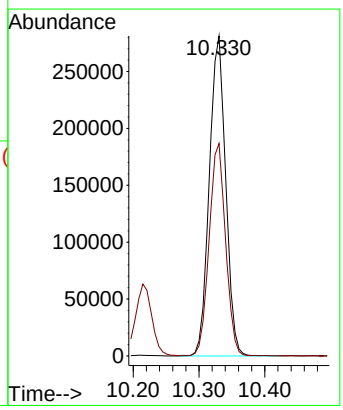
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

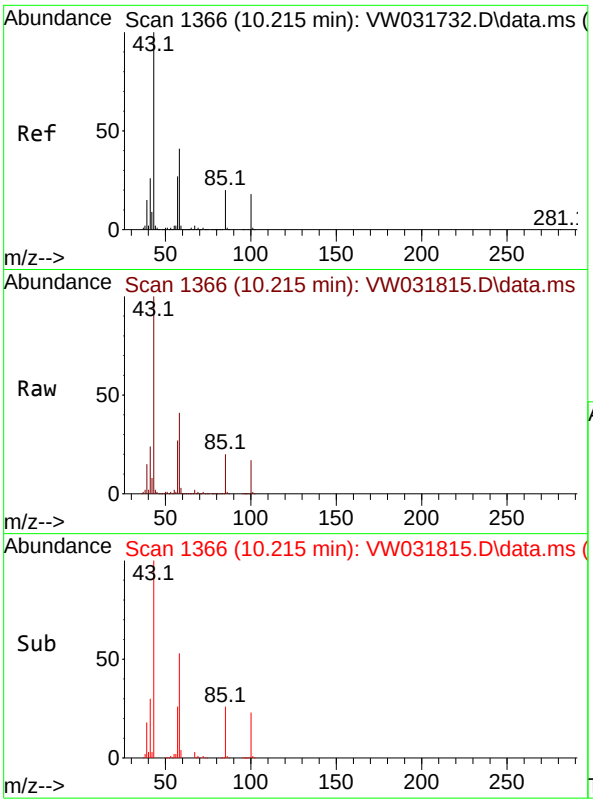


#50
Toluene-d8
Concen: 51.356 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 98 Resp: 487382

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

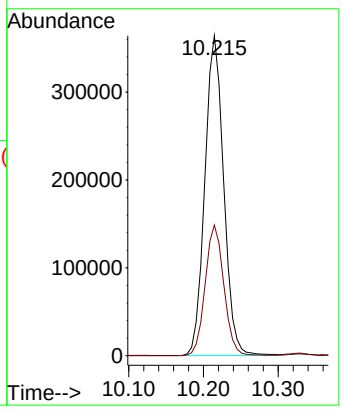




#51
4-Methyl-2-Pentanone
Concen: 276.816 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 63861

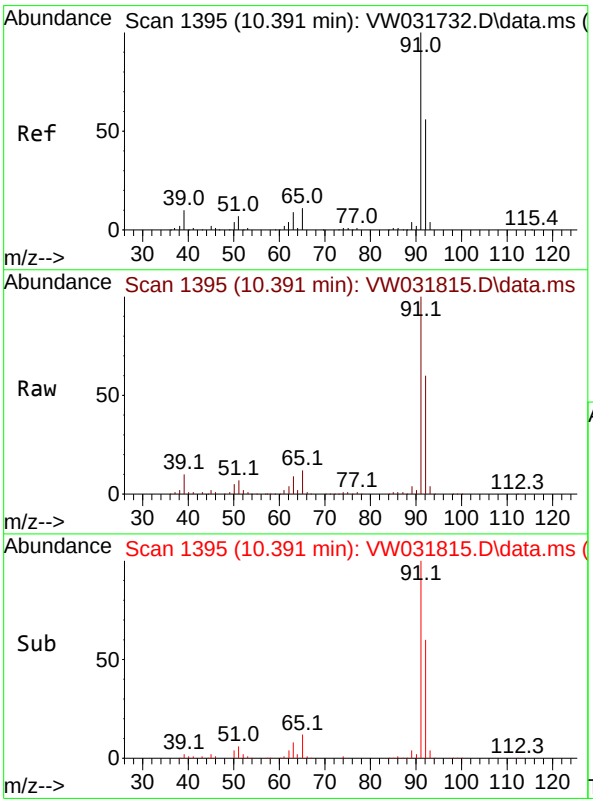
Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

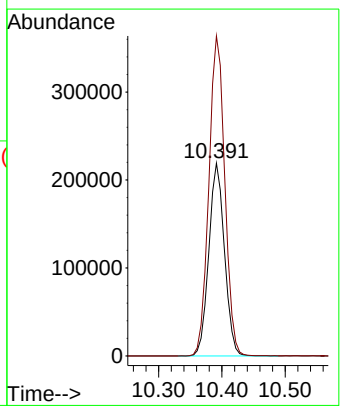
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

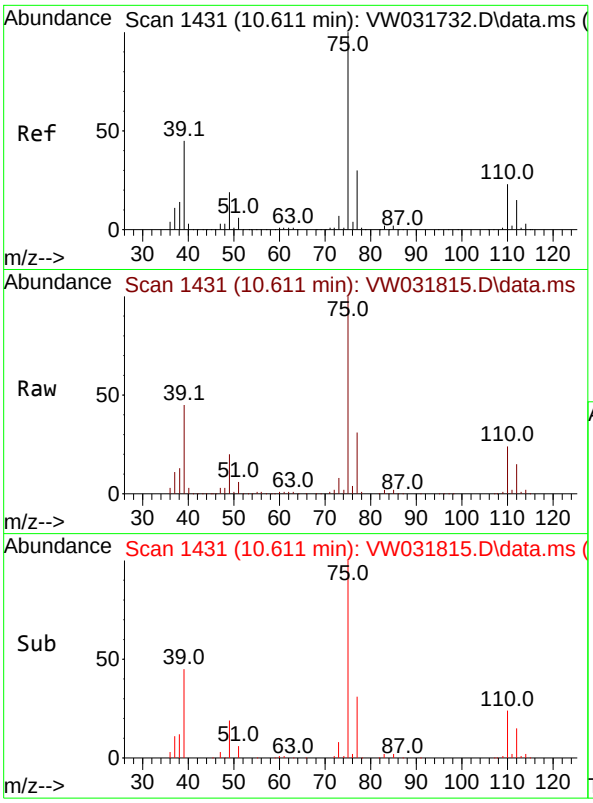


#52
Toluene
Concen: 53.854 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 92 Resp: 376463

Ion	Ratio	Lower	Upper
92	100		
91	169.5	139.5	209.3

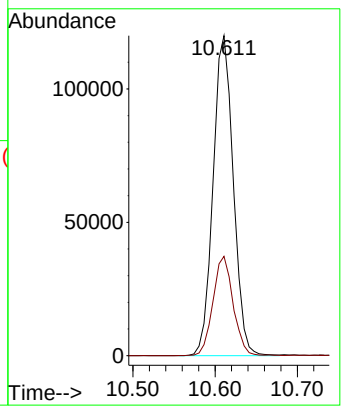




#53
t-1,3-Dichloropropene
Concen: 54.640 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 20480

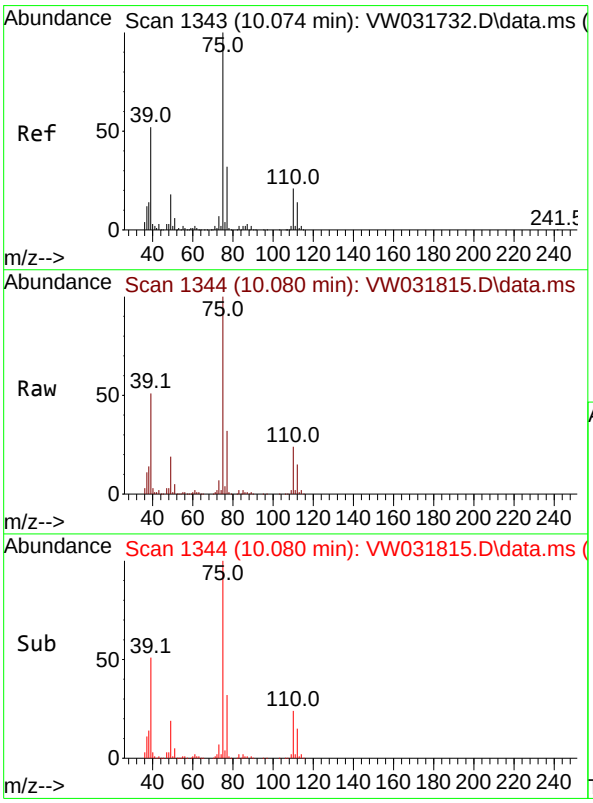
Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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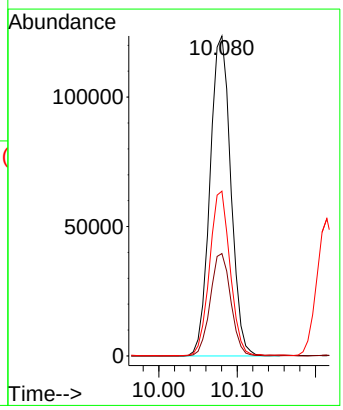
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

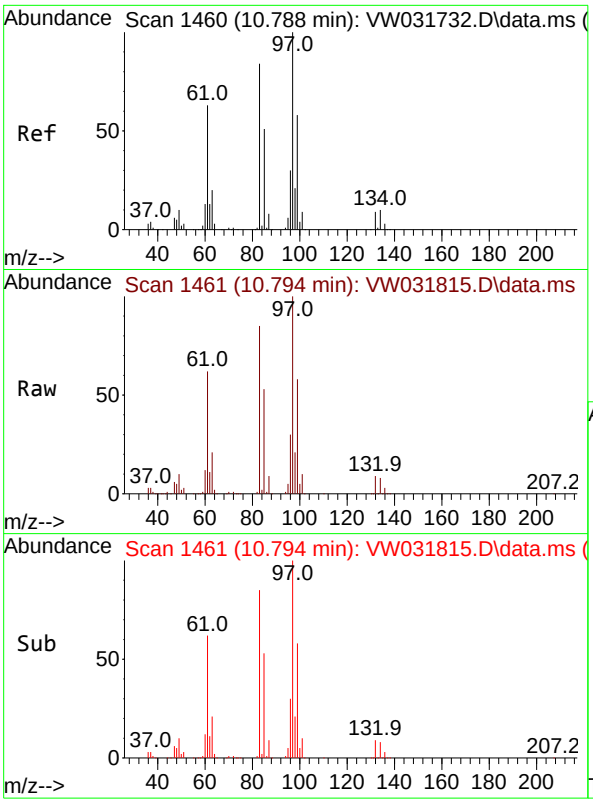


#54
cis-1,3-Dichloropropene
Concen: 53.676 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 228077

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	51.4	41.8	62.6

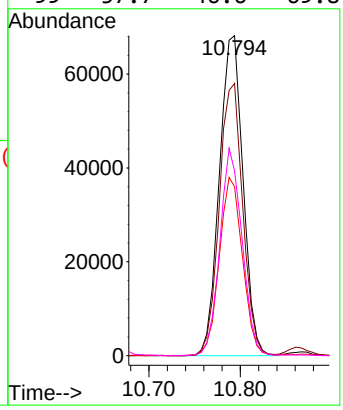




#55
1,1,2-Trichloroethane
Concen: 55.107 ug/l
RT: 10.794 min Scan# 14
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 97 Resp: 12297

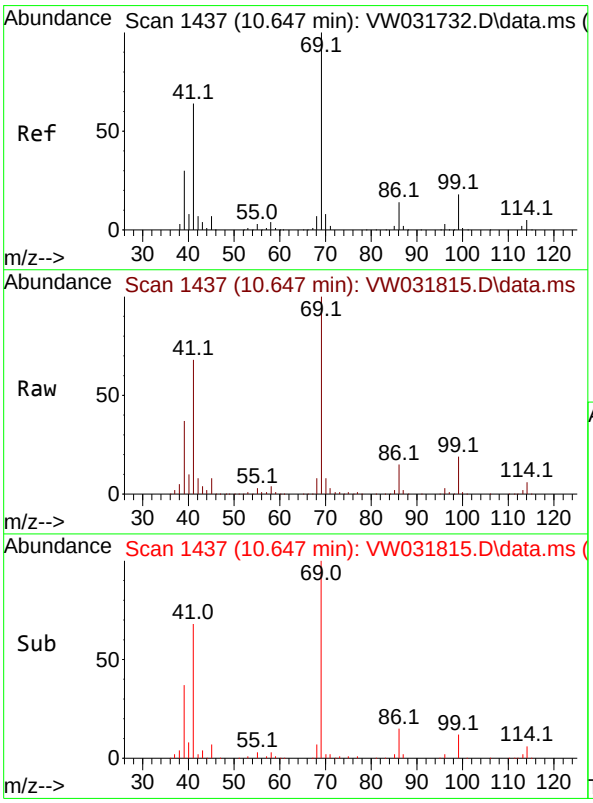
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.9	100.3
85	52.8	41.1	61.7
99	57.7	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

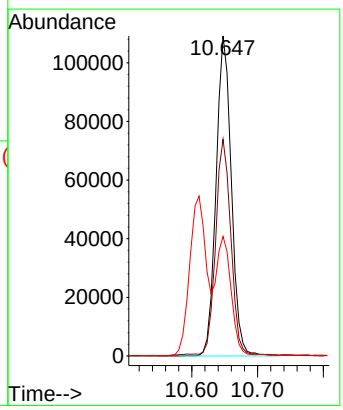
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

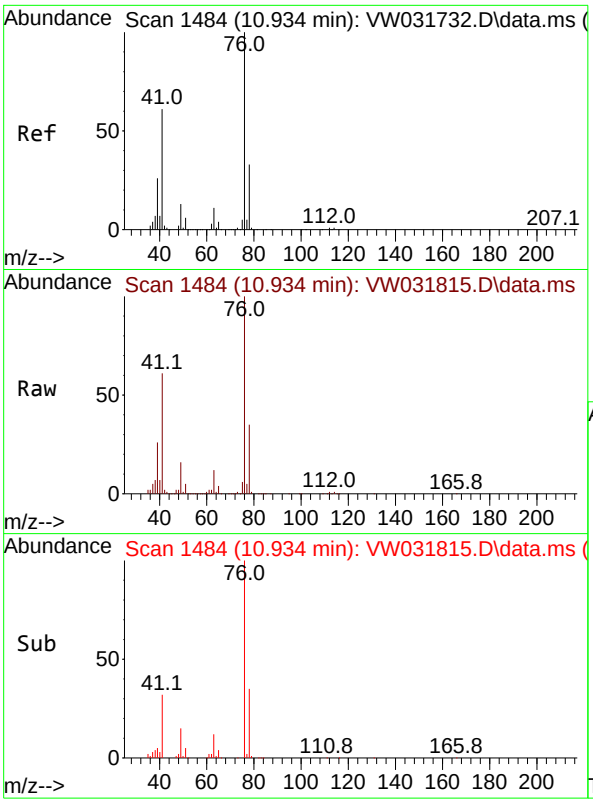


#56
Ethyl methacrylate
Concen: 58.286 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 69 Resp: 176460

Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.3	79.9
39	36.1	30.2	45.2

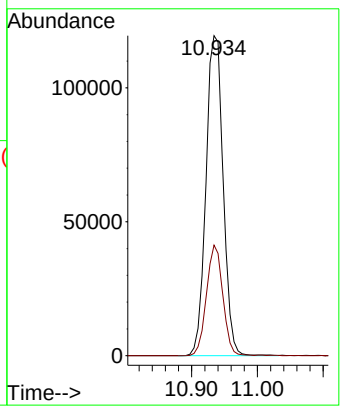




#57
1,3-Dichloropropane
Concen: 55.515 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 76 Resp: 21750

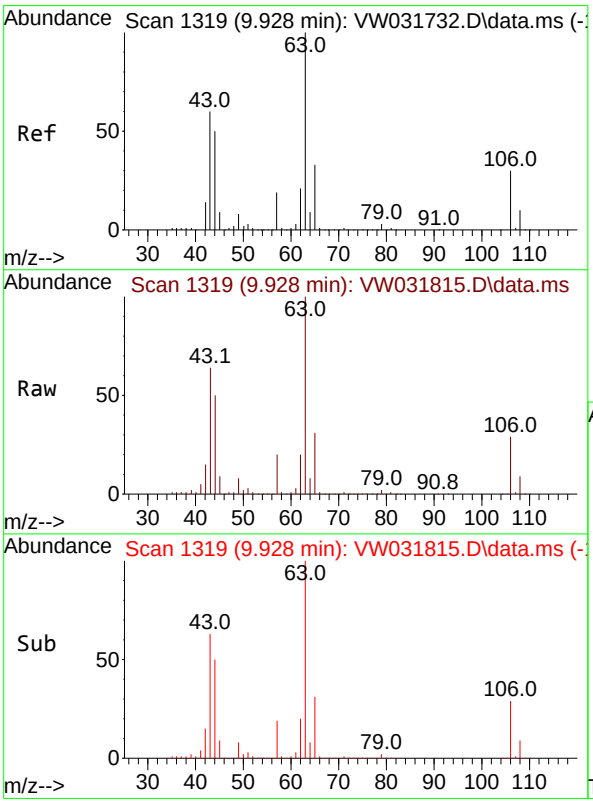
Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

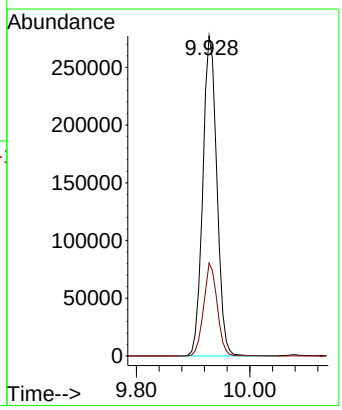
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

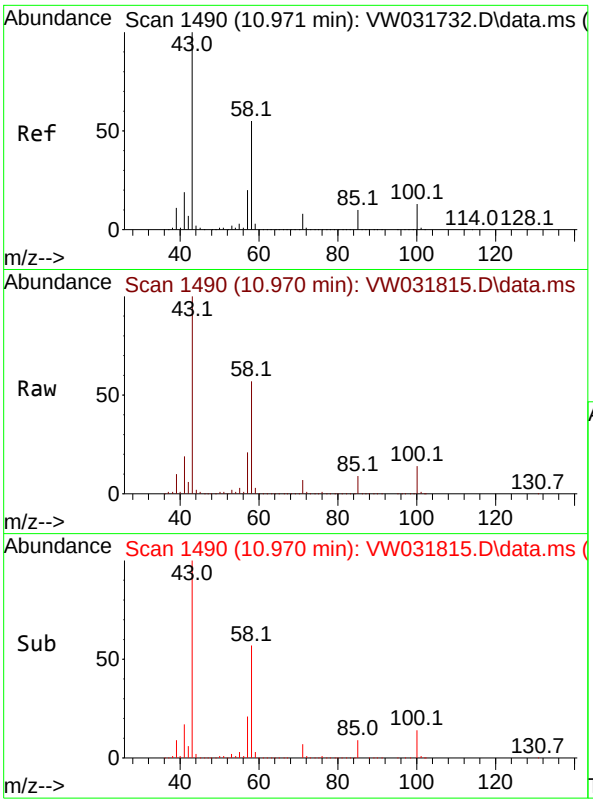


#58
2-Chloroethyl Vinyl ether
Concen: 286.397 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 63 Resp: 477447

Ion	Ratio	Lower	Upper
63	100		
106	27.9	24.1	36.1





#59
2-Hexanone
Concen: 285.791 ug/l
RT: 10.970 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

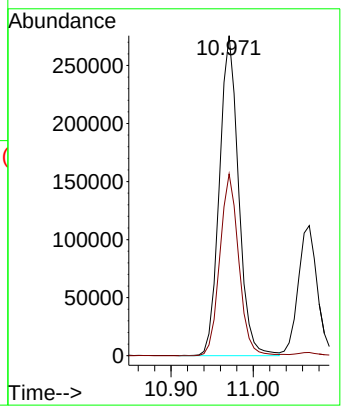
Tgt Ion: 43 Resp: 44678

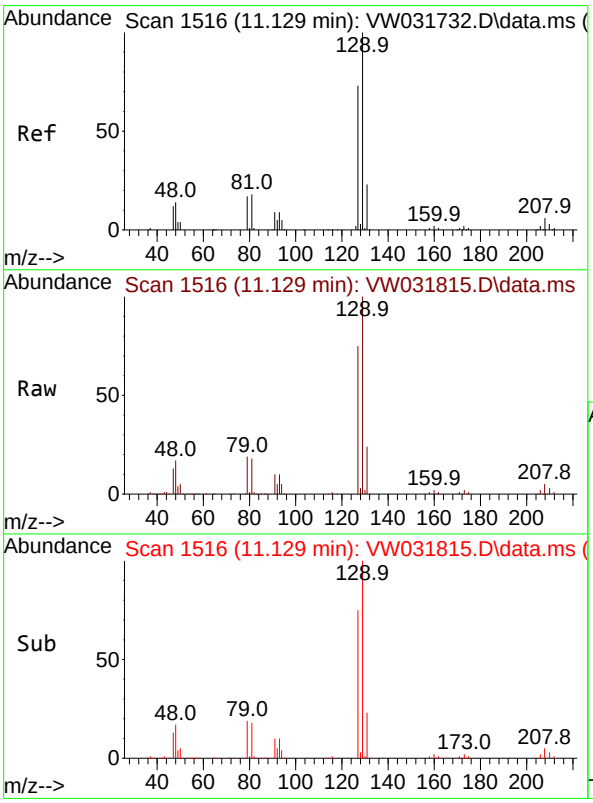
Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

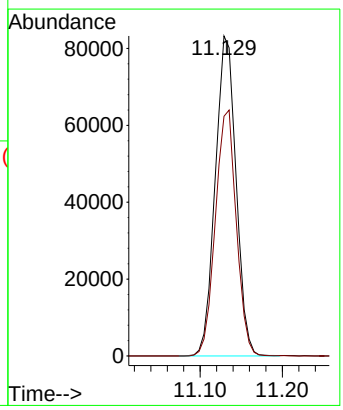


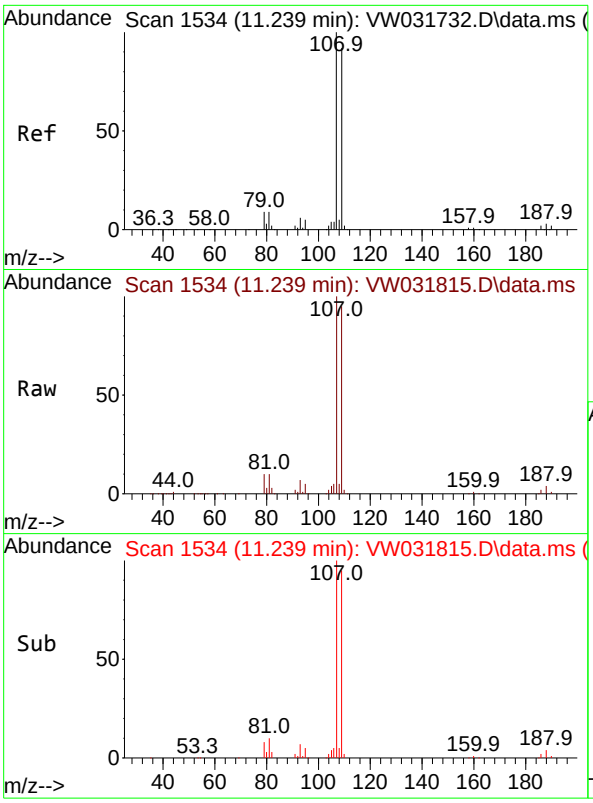


#60
Dibromochloromethane
Concen: 54.848 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:129 Resp: 146364

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.0	114.1

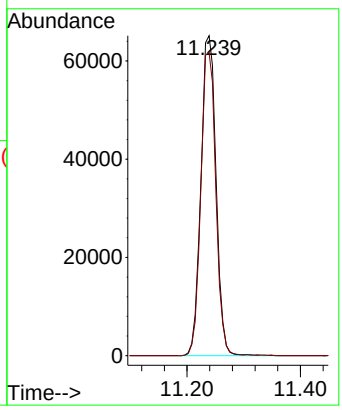




#61
1,2-Dibromoethane
Concen: 54.067 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:107 Resp: 12078

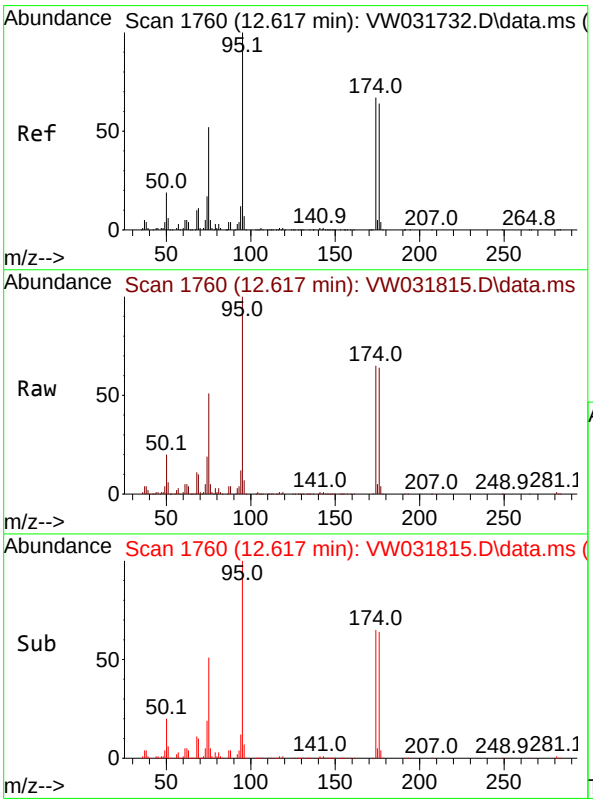
Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

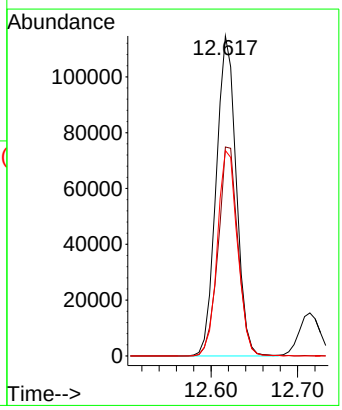
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

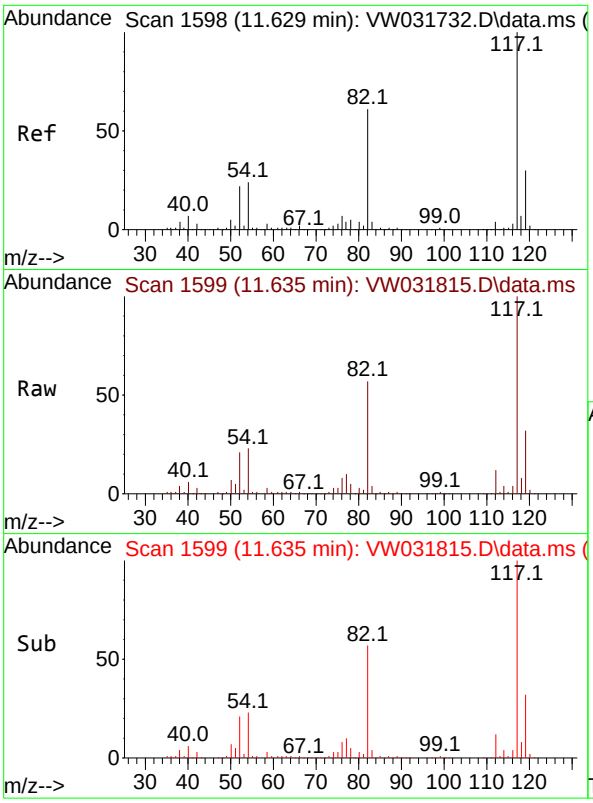


#62
4-Bromofluorobenzene
Concen: 52.661 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 95 Resp: 183915

Ion	Ratio	Lower	Upper
95	100		
174	64.7	0.0	133.8
176	64.6	0.0	126.0

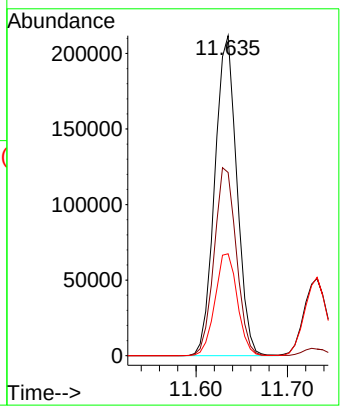




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:117 Resp: 35501

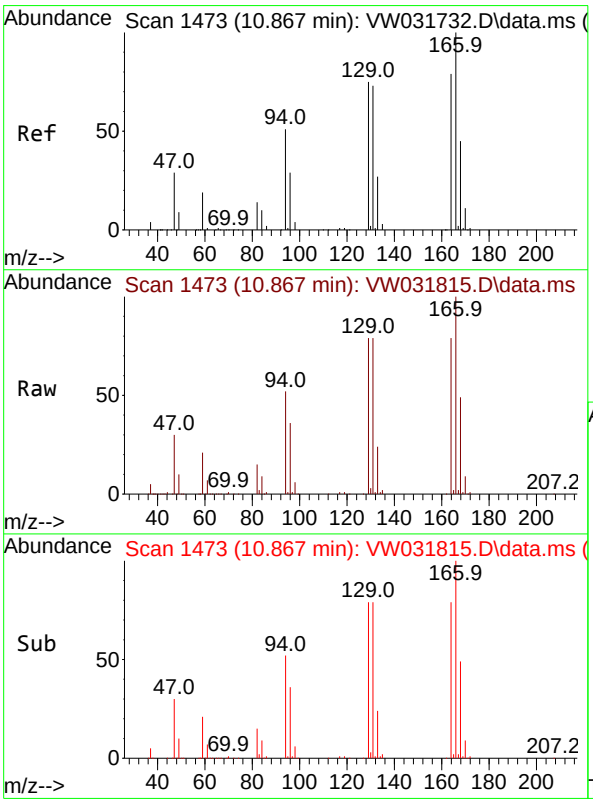
Ion	Ratio	Lower	Upper
117	100		
82	57.3	48.6	72.8
119	31.8	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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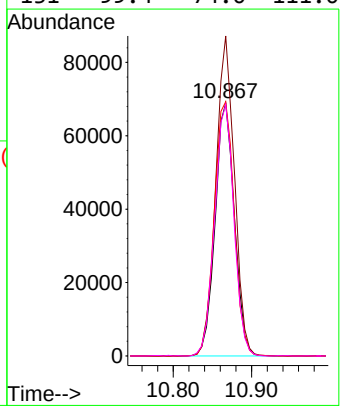
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

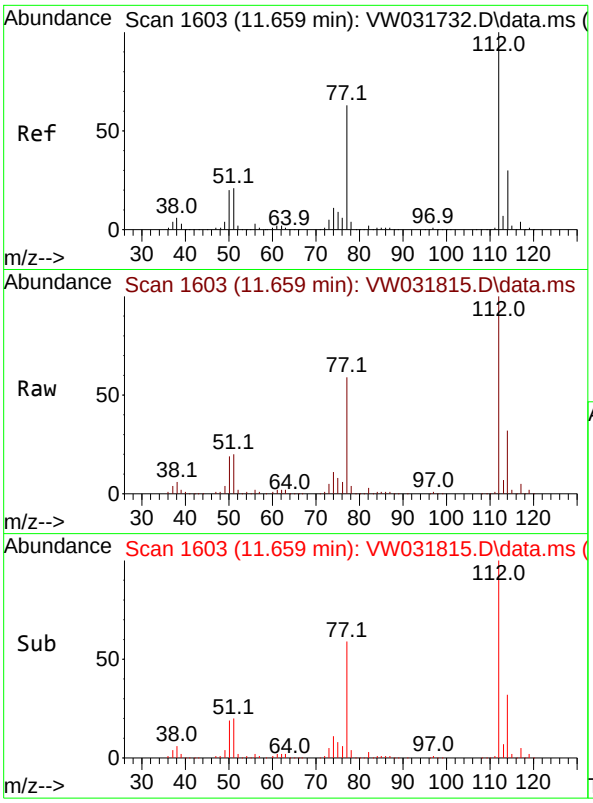


#64
Tetrachloroethene
Concen: 50.583 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:164 Resp: 117464

Ion	Ratio	Lower	Upper
164	100		
166	126.7	100.7	151.1
129	100.6	75.4	113.0
131	99.4	74.0	111.0

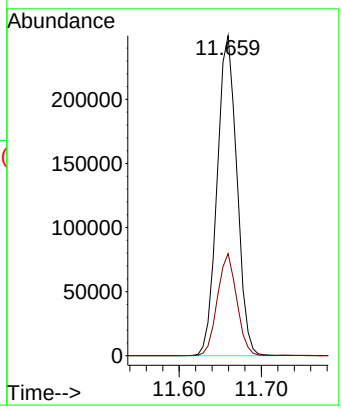




#65
Chlorobenzene
Concen: 53.308 ug/l
RT: 11.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:112 Resp: 41755

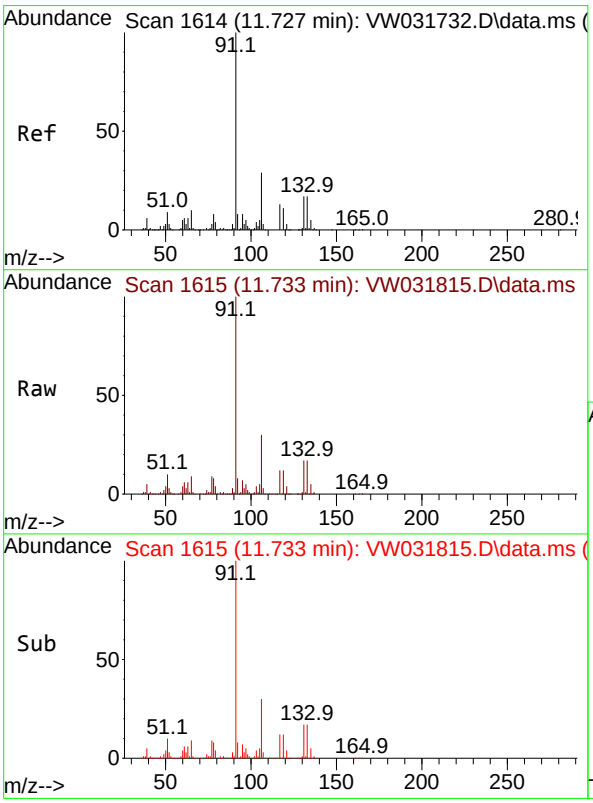
Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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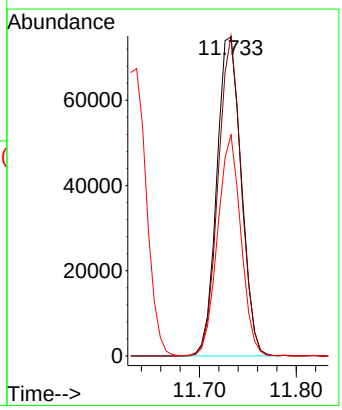
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

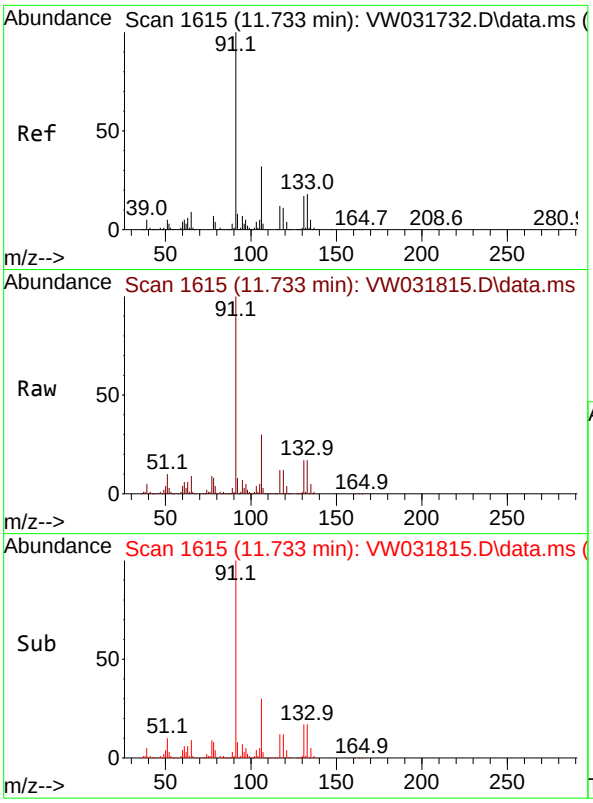


#66
1,1,1,2-Tetrachloroethane
Concen: 52.782 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:131 Resp: 131747

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.5	145.6
119	65.8	32.5	97.5

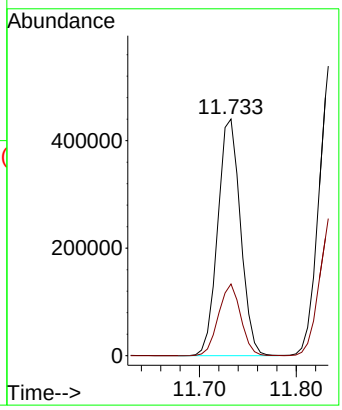




#67
Ethyl Benzene
Concen: 52.823 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 71746

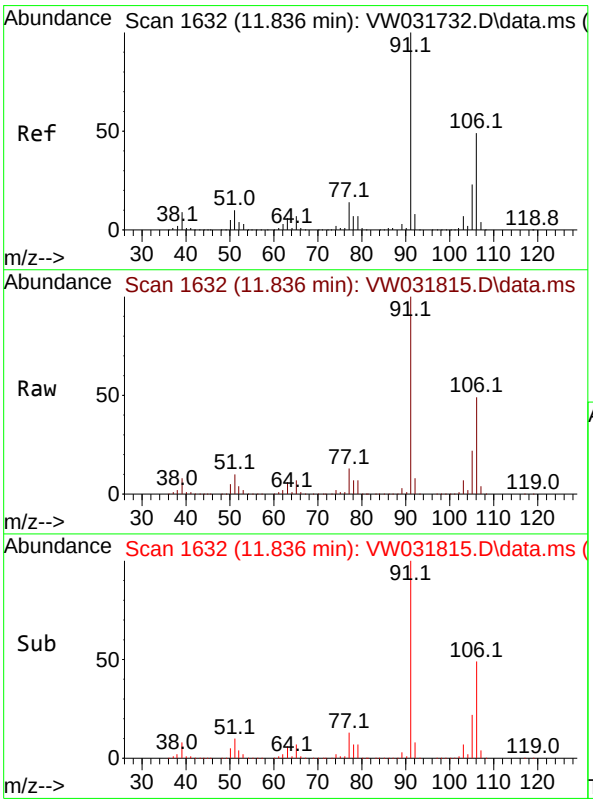
Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

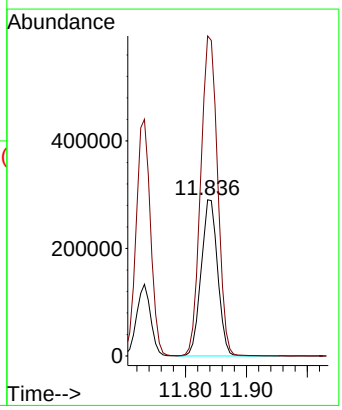
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

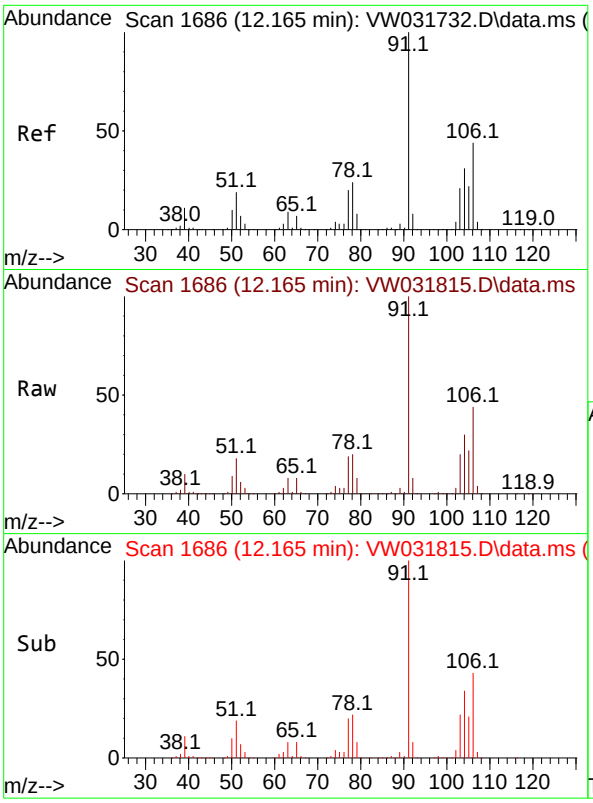


#68
m/p-Xylenes
Concen: 104.409 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:106 Resp: 545152

Ion	Ratio	Lower	Upper
106	100		
91	210.5	166.4	249.6





#69
o-Xylene
Concen: 53.623 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

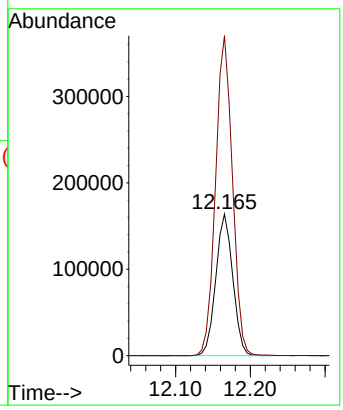
Tgt Ion:106 Resp: 25923

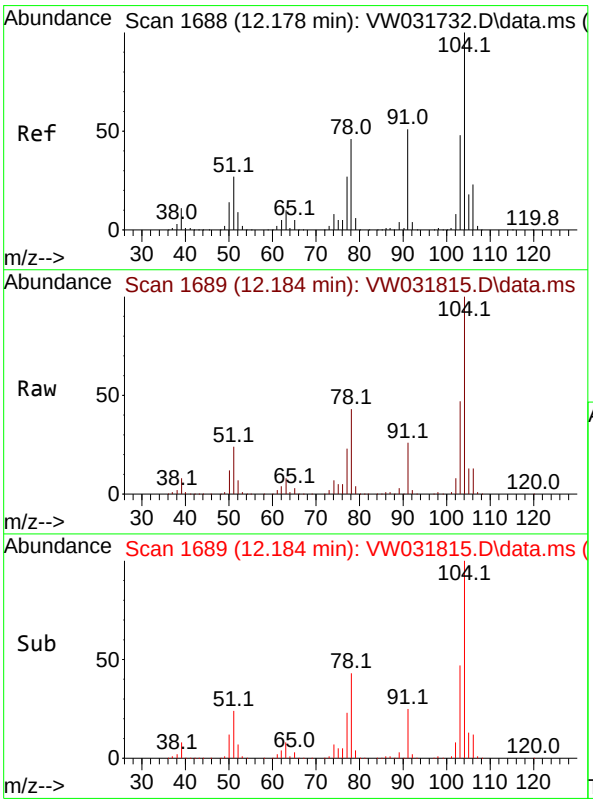
Ion	Ratio	Lower	Upper
106	100		
91	224.1	111.5	334.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

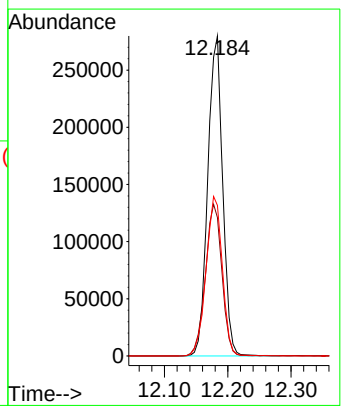


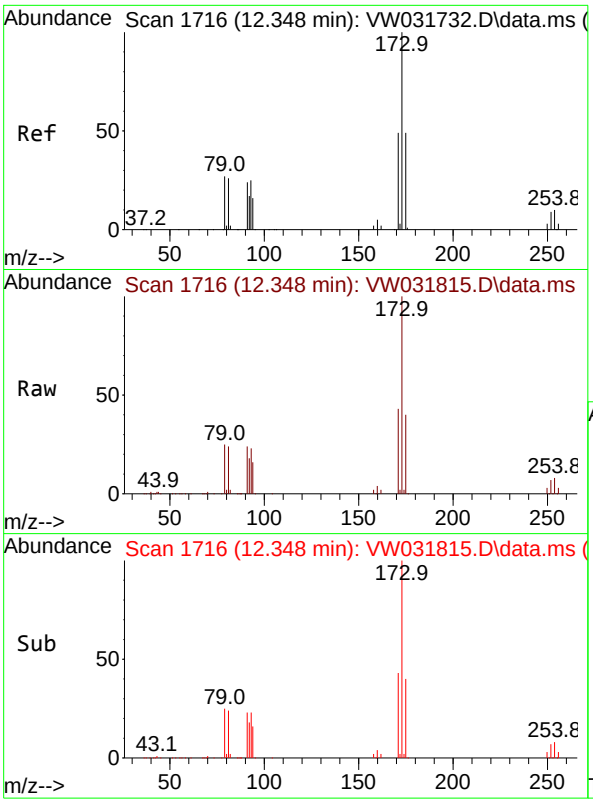


#70
Styrene
Concen: 54.936 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:104 Resp: 459126

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.1	63.1
103	54.3	43.0	64.6

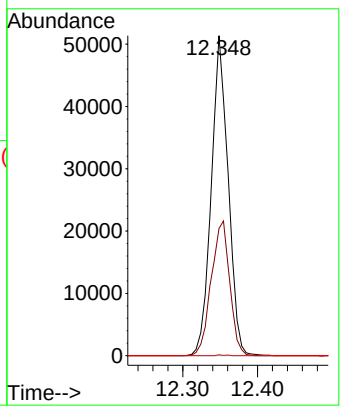




#71
Bromoform
Concen: 54.184 ug/l
RT: 12.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:173 Resp: 8068

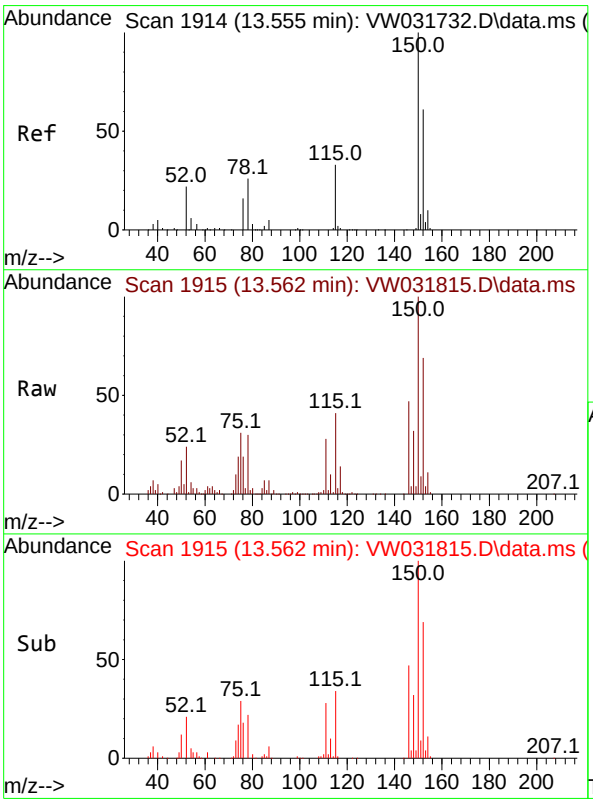
Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.0	72.0
254	0.1	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

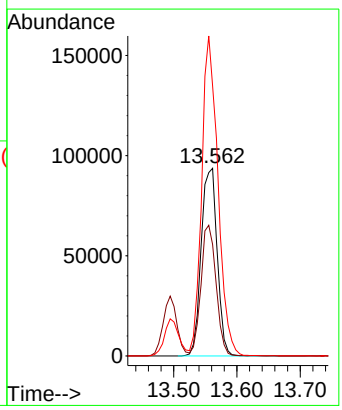
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

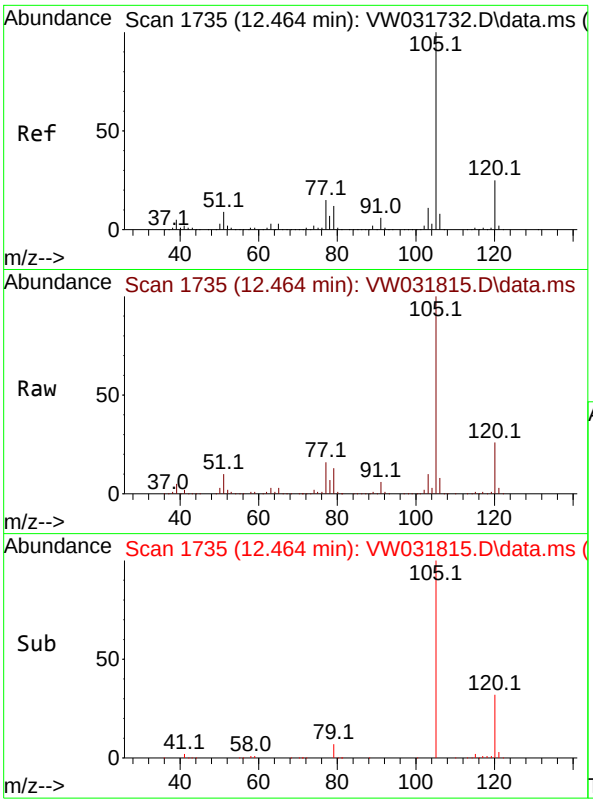


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:152 Resp: 165102

Ion	Ratio	Lower	Upper
152	100		
115	65.7	31.9	95.7
150	172.6	0.0	356.4





#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

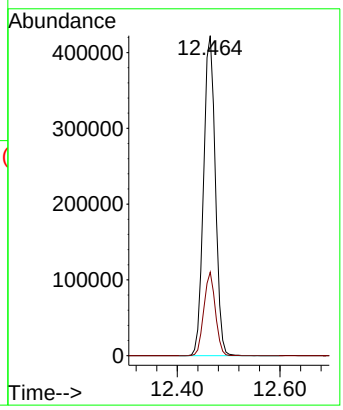
Tgt Ion:105 Resp: 66936

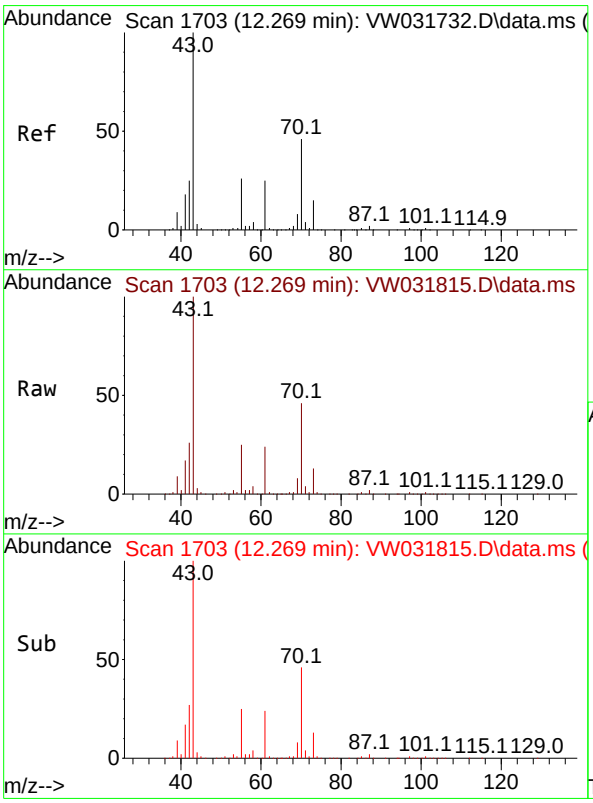
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

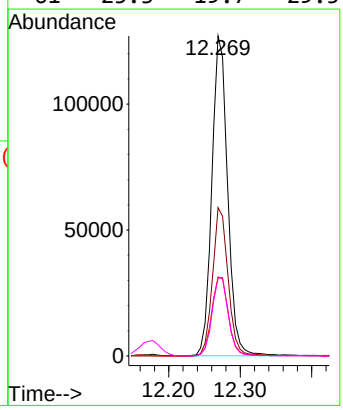


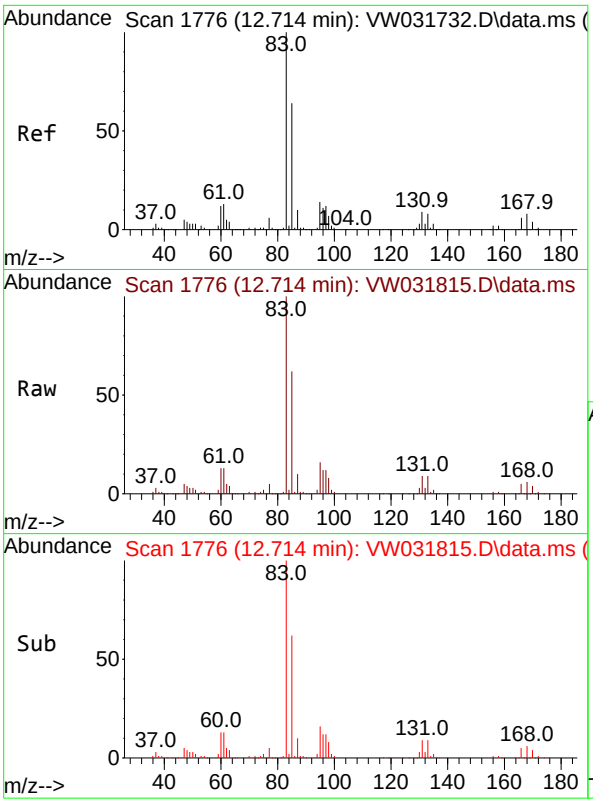


#74
N-amyl acetate
Concen: 57.323 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 194037

Ion	Ratio	Lower	Upper
43	100		
70	46.0	36.0	54.0
55	26.5	20.8	31.2
61	25.3	19.7	29.5

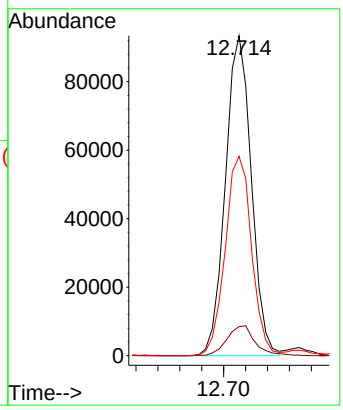




#75
1,1,2,2-Tetrachloroethane
Concen: 55.042 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 83 Resp: 15346

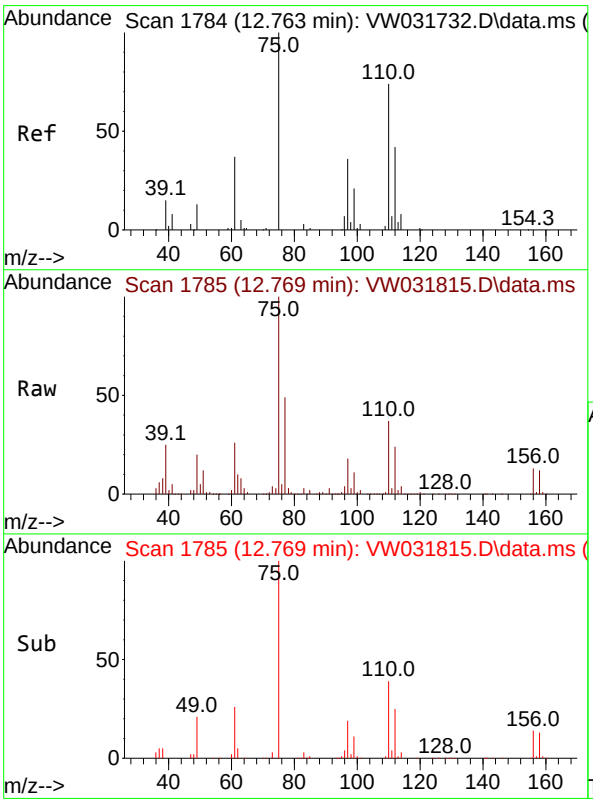
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	63.4	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

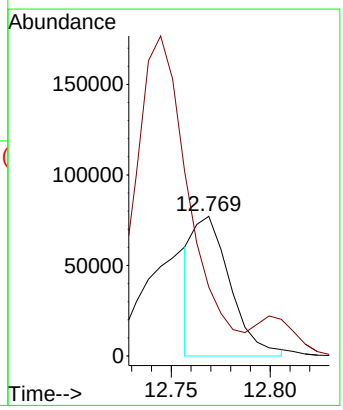
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

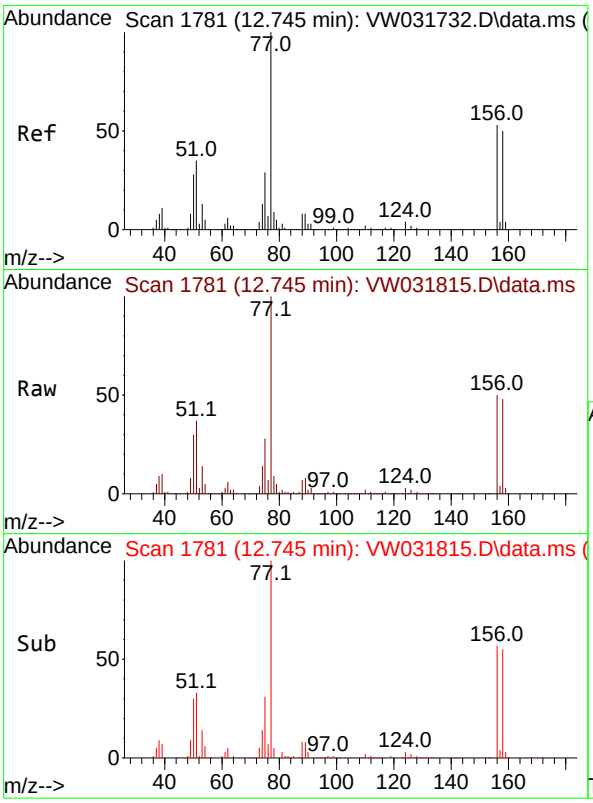


#76
1,2,3-Trichloropropane
Concen: 47.092 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 100475

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#

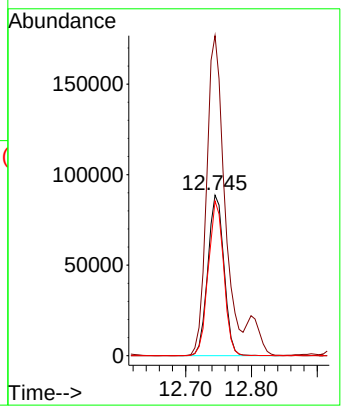




#77
Bromobenzene
Concen: 53.995 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:156 Resp: 15124

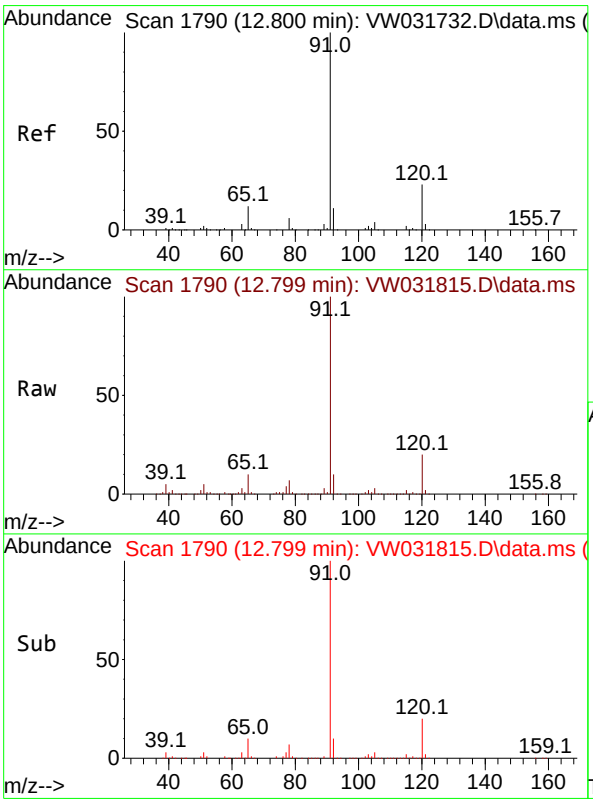
Ion	Ratio	Lower	Upper
156	100		
77	221.0	117.9	353.7
158	92.3	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

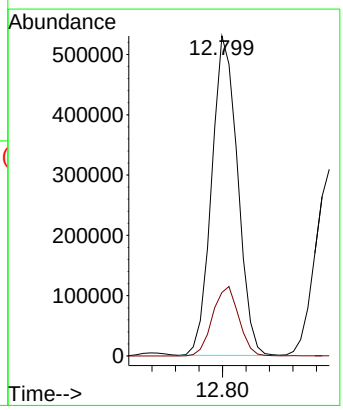
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

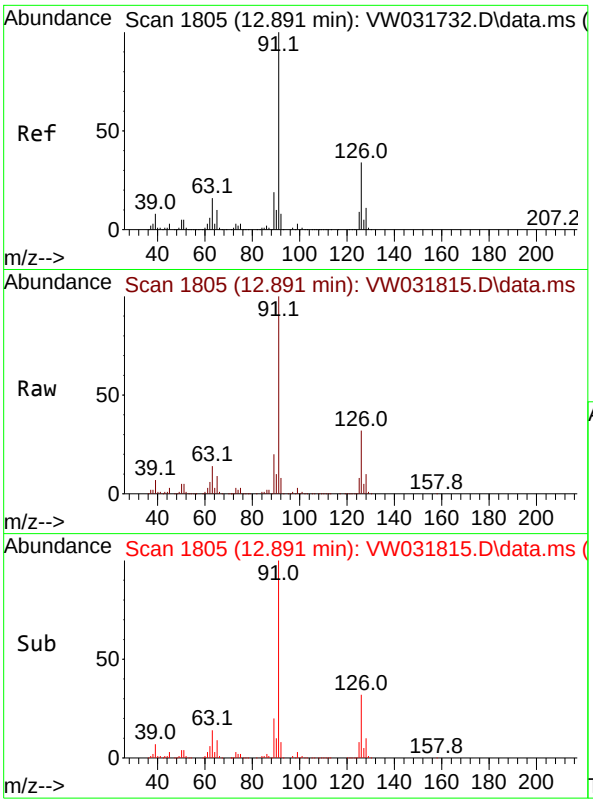


#78
n-propylbenzene
Concen: 53.975 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 811703

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4





#79
2-Chlorotoluene
Concen: 54.142 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

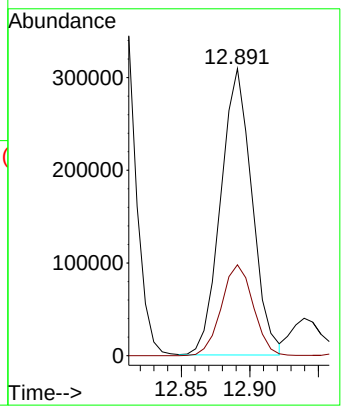
Tgt Ion: 91 Resp: 49030

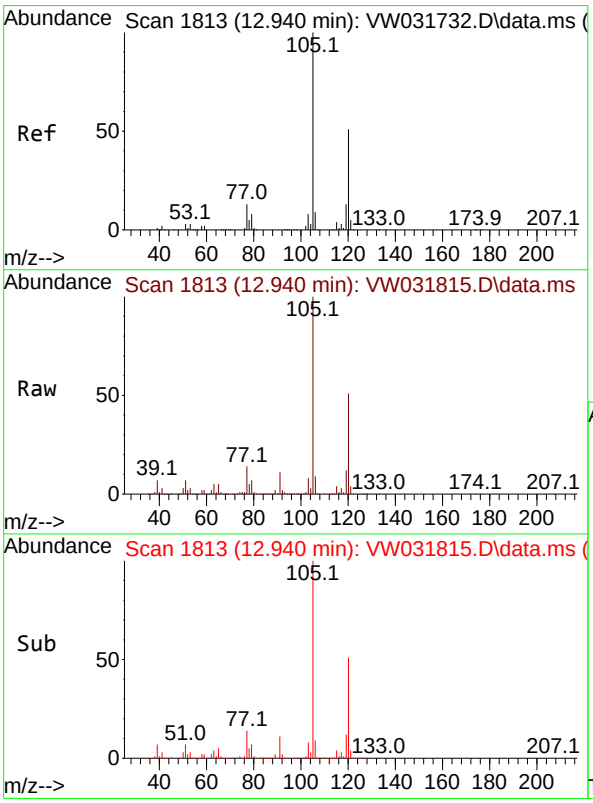
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.8	47.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

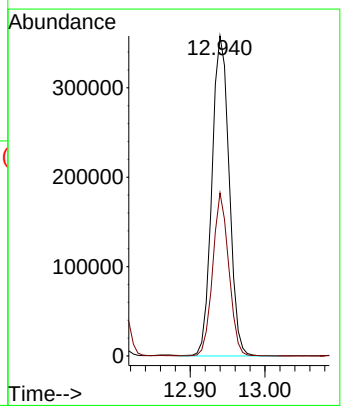


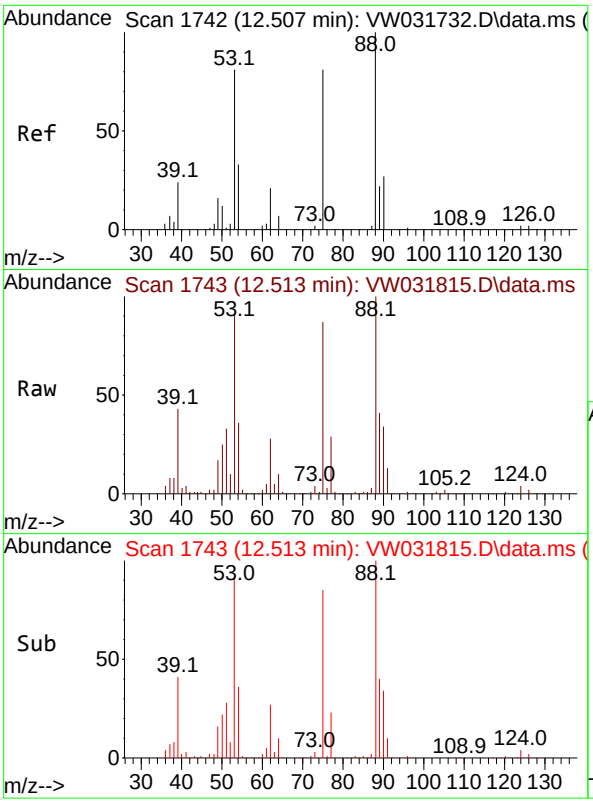


#80
1,3,5-Trimethylbenzene
Concen: 55.047 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:105 Resp: 572236

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.443 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

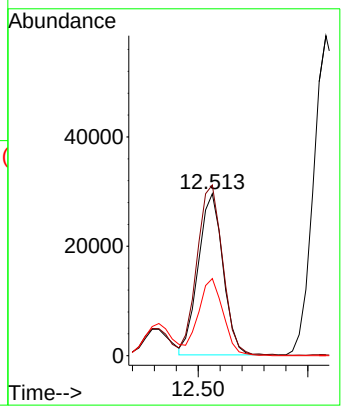
Tgt Ion: 75 Resp: 4620

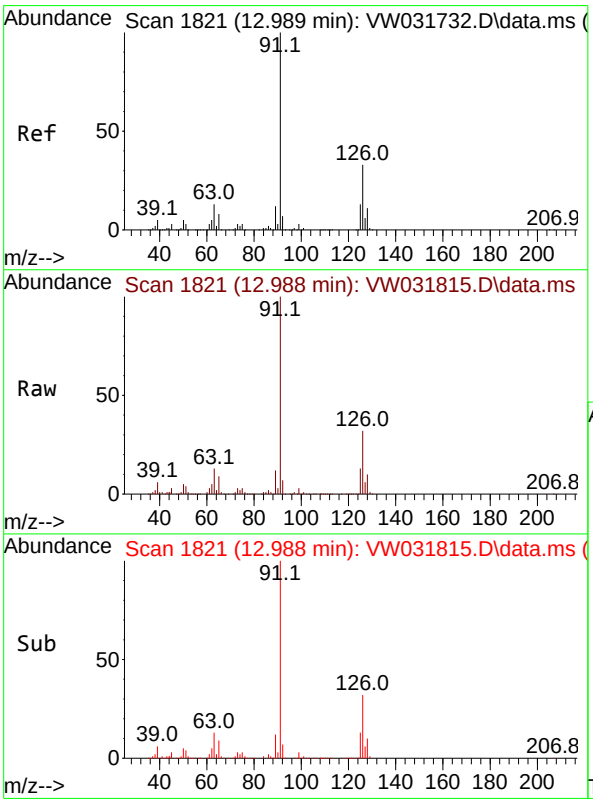
Ion	Ratio	Lower	Upper
75	100		
53	110.0	83.5	125.3
89	47.4	38.3	57.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

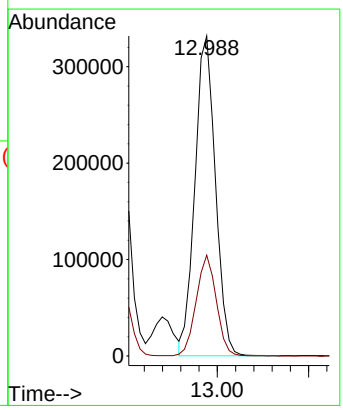


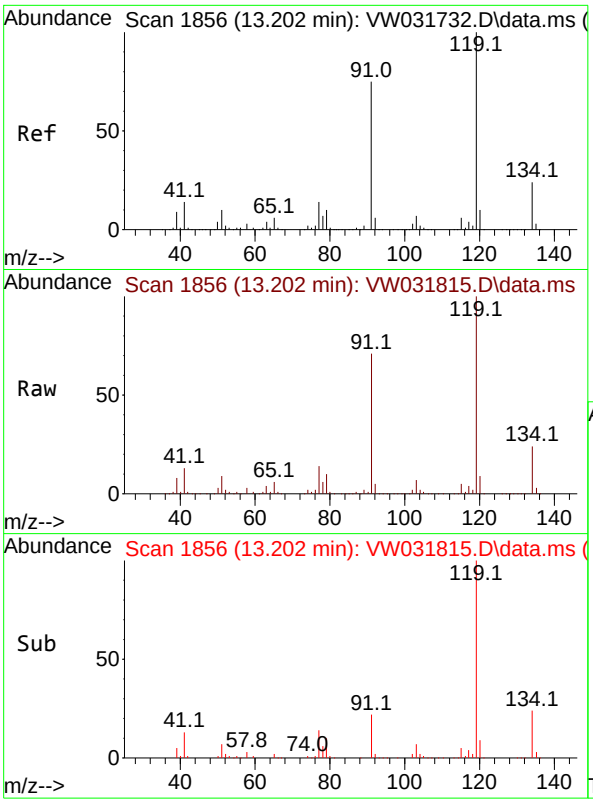


#82
4-Chlorotoluene
Concen: 54.242 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 515714

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9

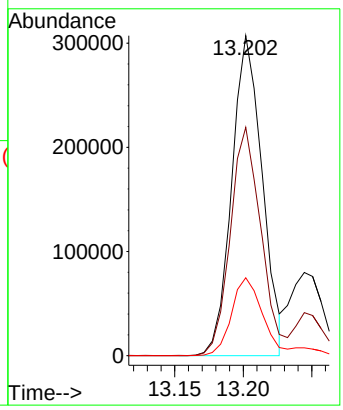




#83
tert-Butylbenzene
Concen: 53.341 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:119 Resp: 47498

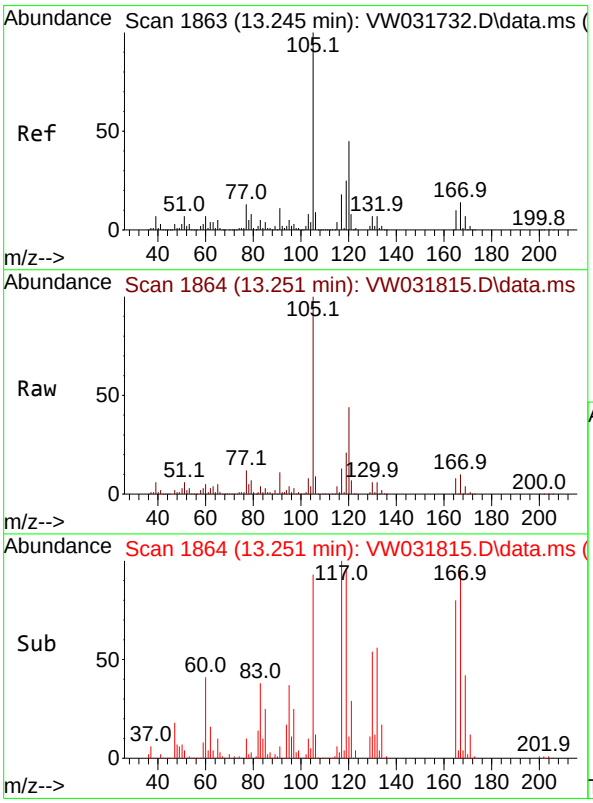
Ion	Ratio	Lower	Upper
119	100		
91	72.3	36.0	108.1
134	24.7	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

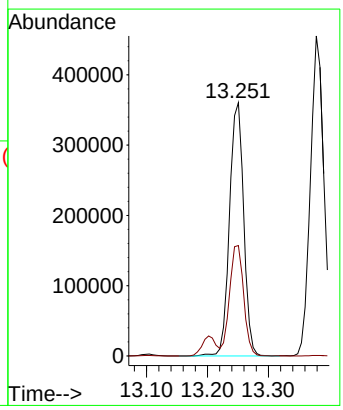
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

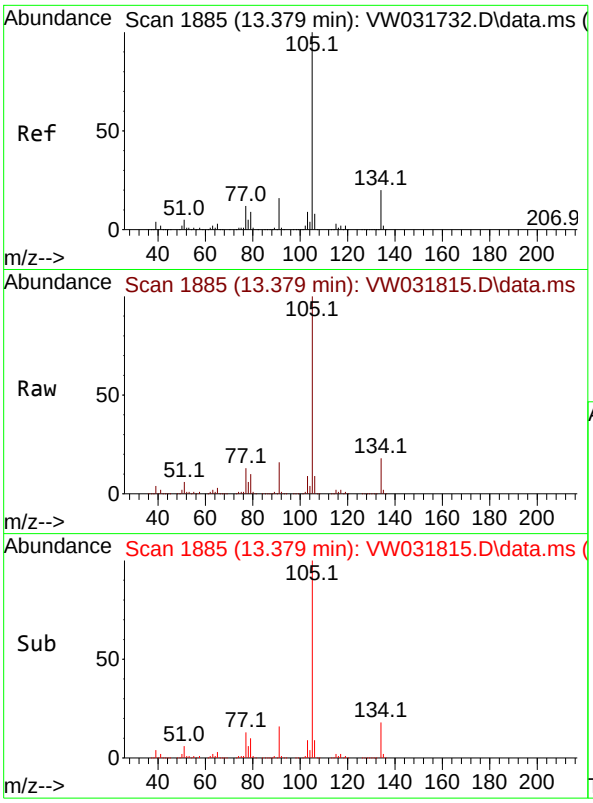


#84
1,2,4-Trimethylbenzene
Concen: 55.216 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:105 Resp: 581572

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

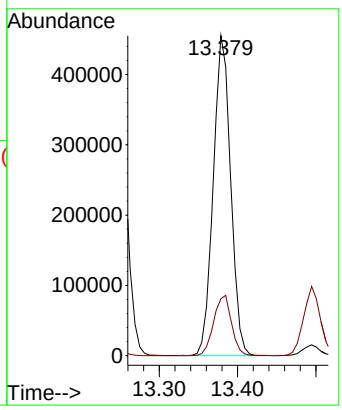




#85
sec-Butylbenzene
Concen: 52.616 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:105 Resp: 70323

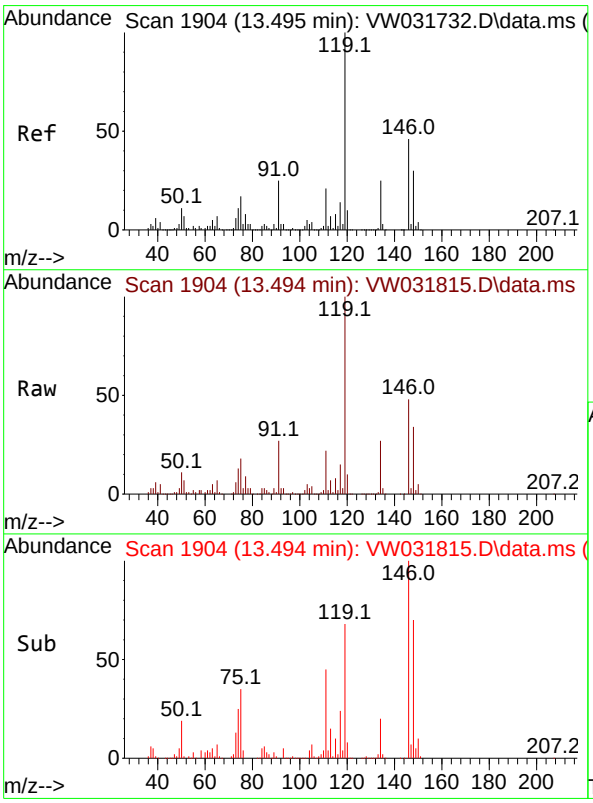
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

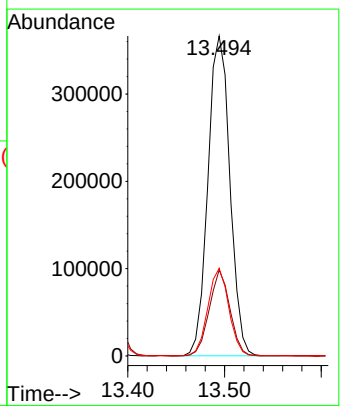
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

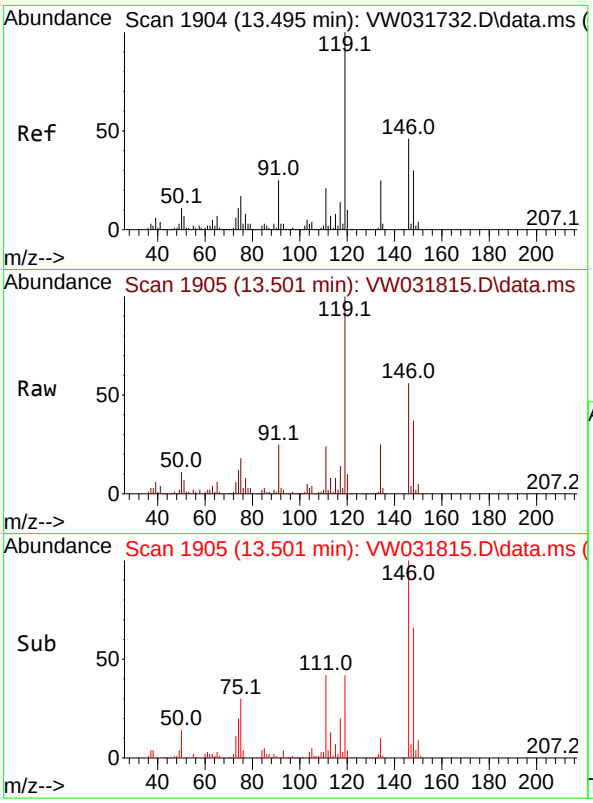


#86
p-Isopropyltoluene
Concen: 52.484 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:119 Resp: 578110

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	26.1	12.7	38.0

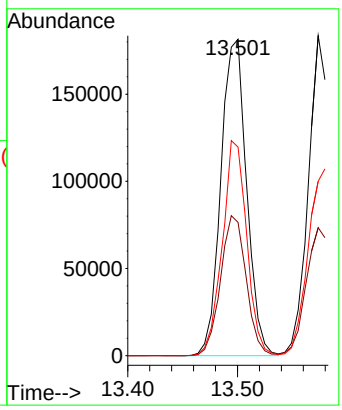




#87
1,3-Dichlorobenzene
Concen: 52.753 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:146 Resp: 29632

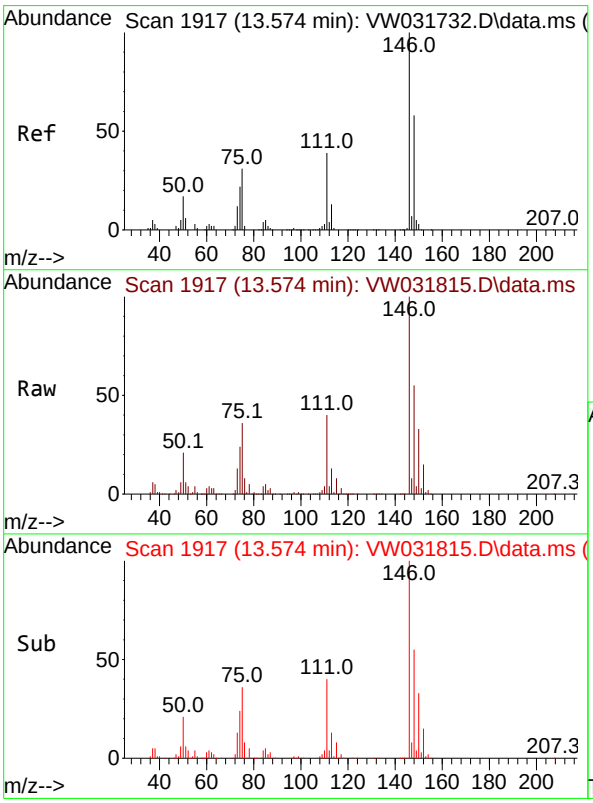
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.9
148	64.5	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

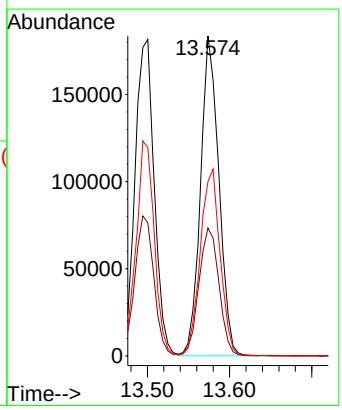
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

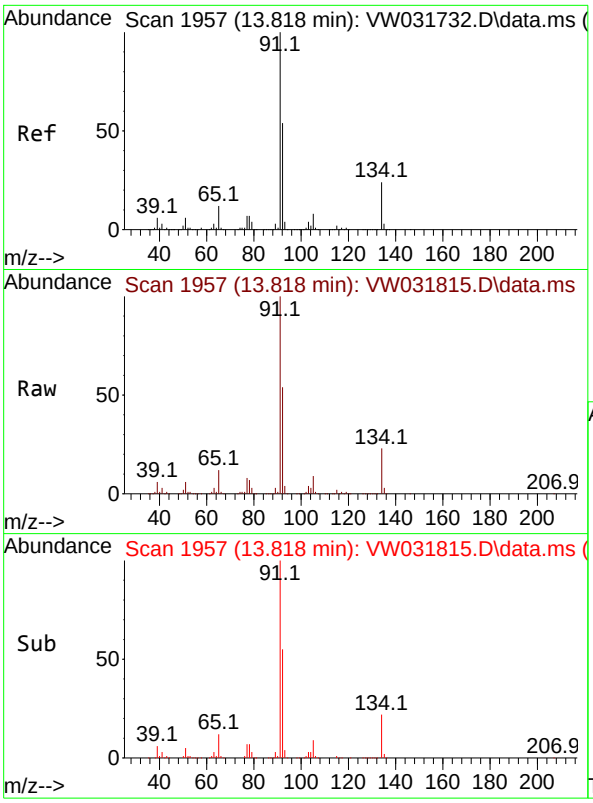


#88
1,4-Dichlorobenzene
Concen: 49.444 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:146 Resp: 284279

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.4	61.3
148	63.1	30.2	90.6

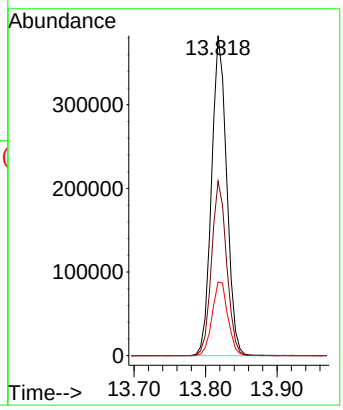




#89
n-Butylbenzene
Concen: 52.534 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 56222

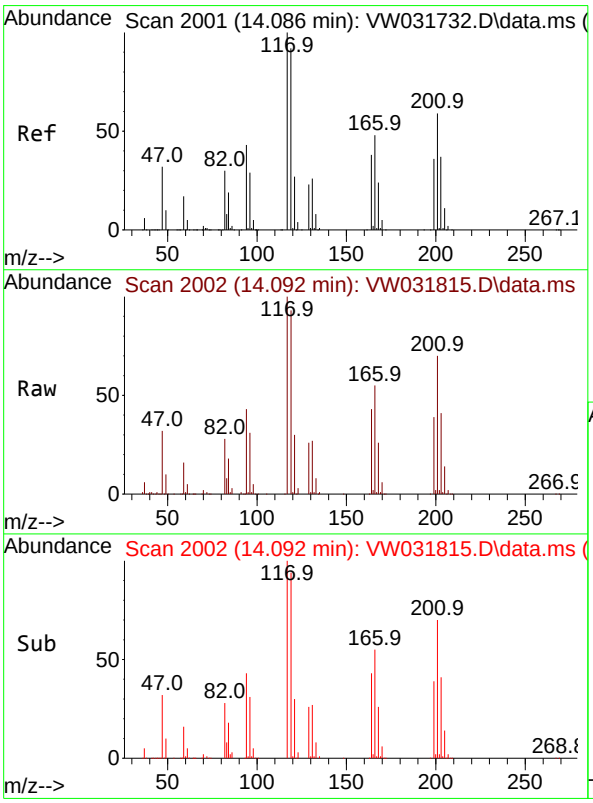
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	23.9	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

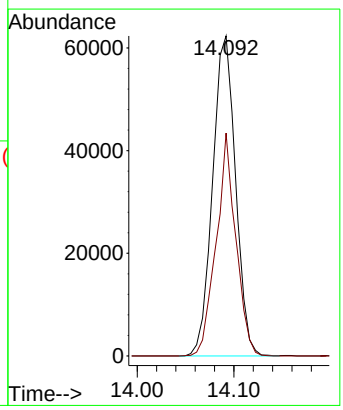
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

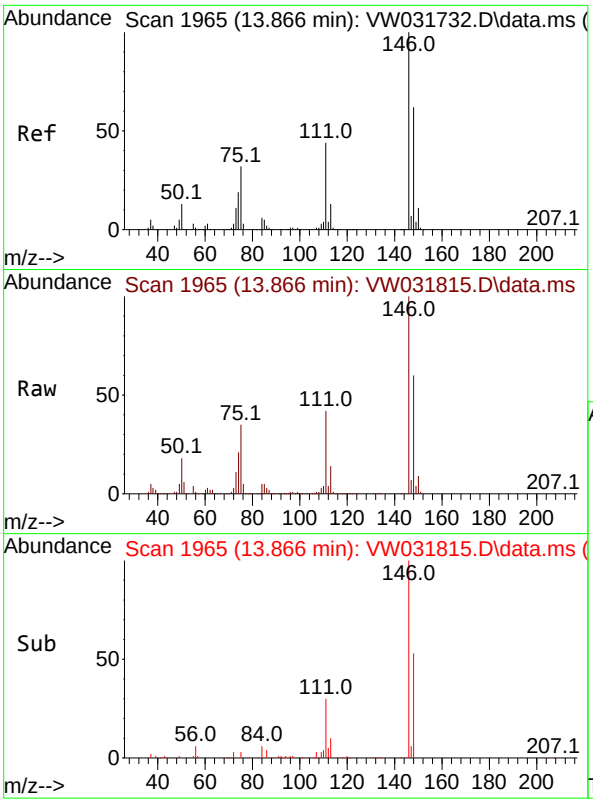


#90
Hexachloroethane
Concen: 51.687 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:117 Resp: 102713

Ion	Ratio	Lower	Upper
117	100		
201	59.7	31.1	93.3

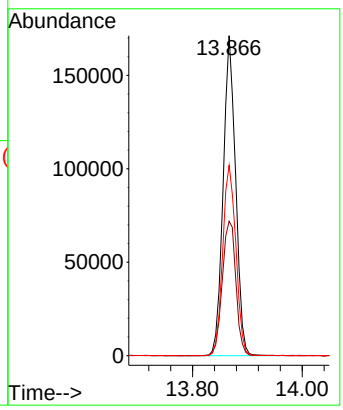




#91
1,2-Dichlorobenzene
Concen: 52.823 ug/l
RT: 13.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:146 Resp: 271199

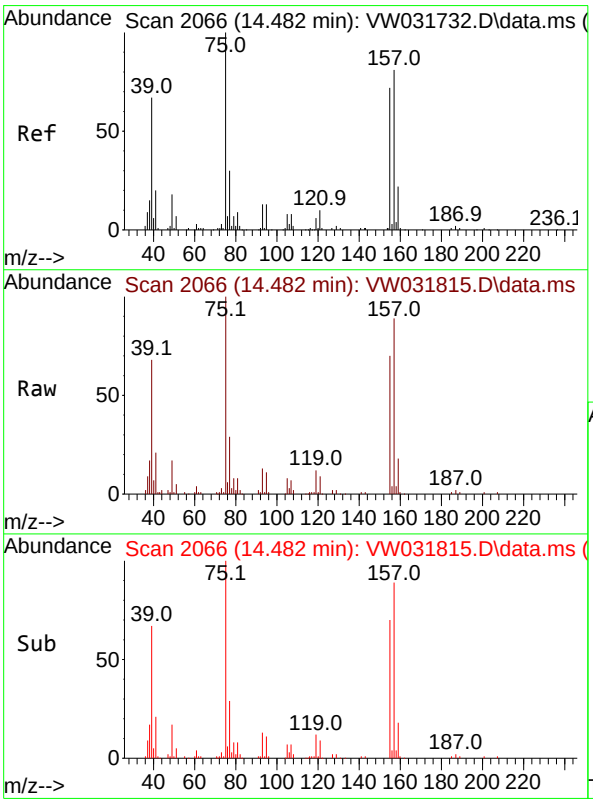
Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.7	65.1
148	62.8	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

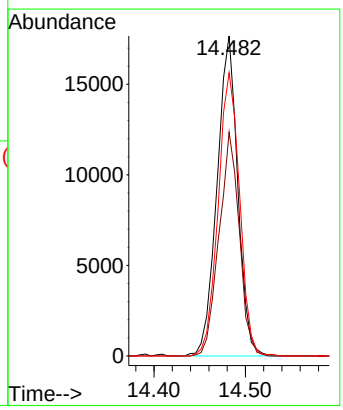
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

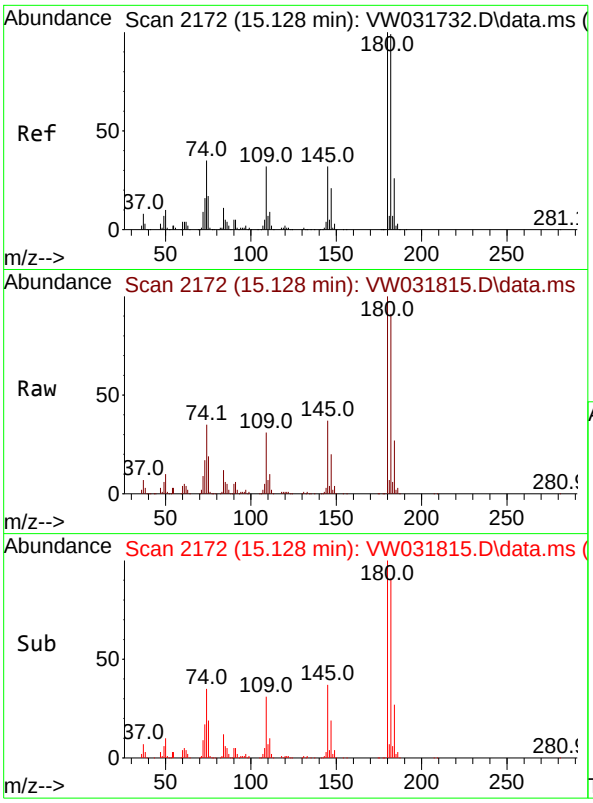


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.108 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 27823

Ion	Ratio	Lower	Upper
75	100		
155	68.2	37.2	111.6
157	91.5	45.6	136.9





#93
1,2,4-Trichlorobenzene
Concen: 54.728 ug/l
RT: 15.128 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

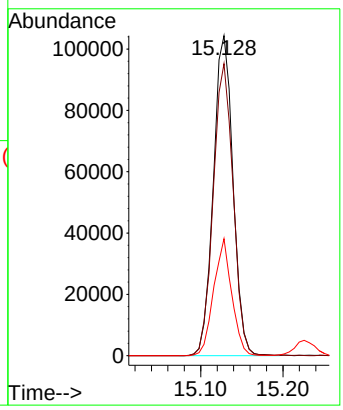
Tgt Ion:180 Resp: 17328

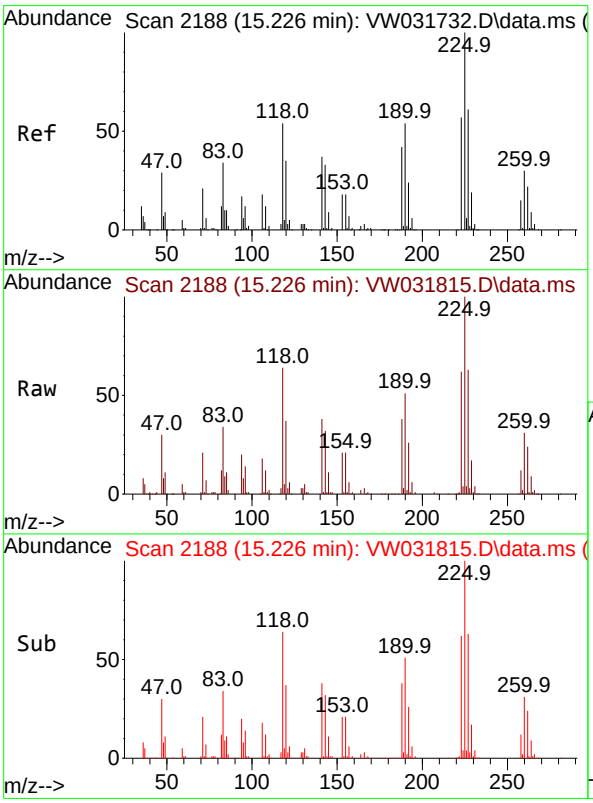
Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.6	145.9
145	33.8	17.3	51.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

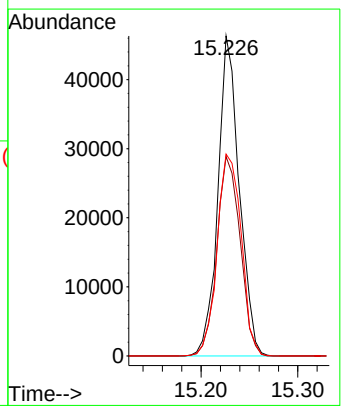


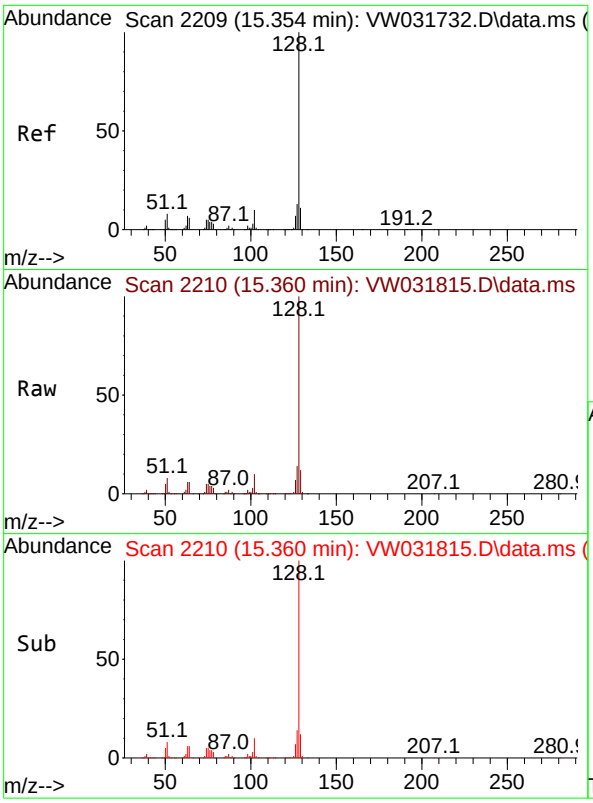


#94
Hexachlorobutadiene
Concen: 46.419 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:225 Resp: 70972

Ion	Ratio	Lower	Upper
225	100		
223	67.9	32.6	97.8
227	71.3	37.3	111.8

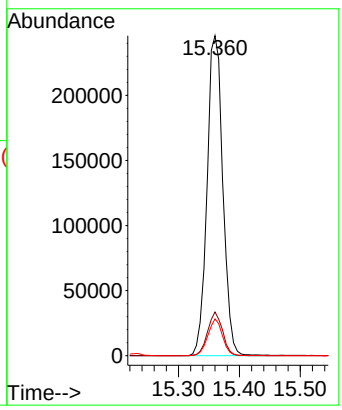




#95
Naphthalene
Concen: 57.038 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:128 Resp: 44276

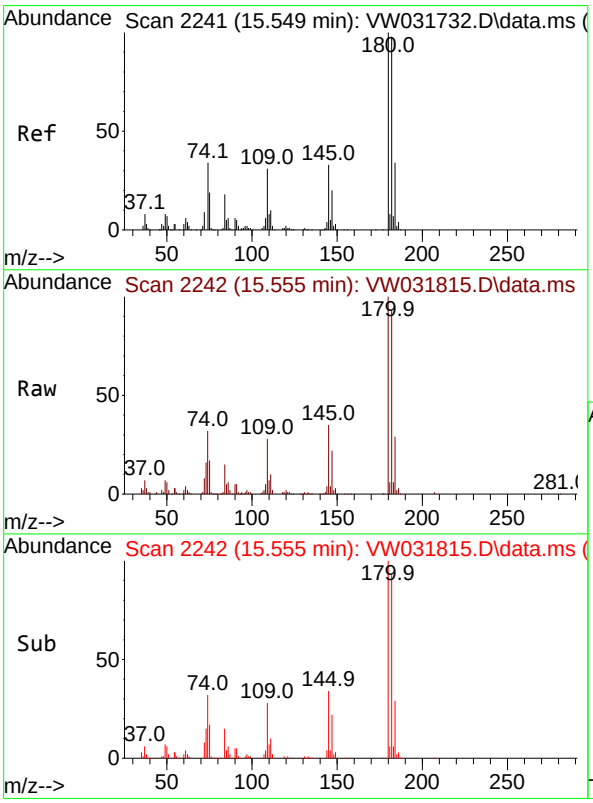
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	10.7	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

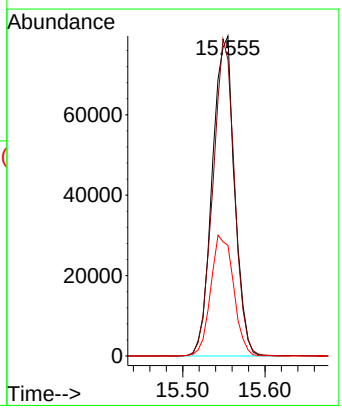
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.204 ug/l
RT: 15.555 min Scan# 2242
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:180 Resp: 148972

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.4	139.1
145	38.9	17.8	53.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	91	0.00
2	T	Dichlorodifluoromethane	0.341	0.271	20.5	80	0.01
3	P	Chloromethane	0.411	0.393	4.4	96	0.00
4	C	Vinyl Chloride	0.540	0.538	0.4#	96	0.00
5	T	Bromomethane	0.421	0.407	3.3	94	0.00
6	T	Chloroethane	0.367	0.369	-0.5	97	0.00
7	T	Trichlorofluoromethane	0.490	0.463	5.5	90	0.00
8	T	Diethyl Ether	0.372	0.406	-9.1	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.544	0.509	6.4	92	0.00
10	T	Methyl Iodide	0.839	0.853	-1.7	96	0.00
11	T	Tert butyl alcohol	0.044	0.046	-4.5	91	0.02
12	CM	1,1-Dichloroethene	0.596	0.596	0.0	98	0.01
13	T	Acrolein	0.080	0.040	50.0#	43#	0.01
14	T	Allyl chloride	0.914	0.976	-6.8	100	0.00
15	T	Acrylonitrile	0.183	0.199	-8.7	95	0.01
16	T	Acetone	0.177	0.169	4.5	95	0.01
17	T	Carbon Disulfide	1.594	1.515	5.0	90	0.00
18	T	Methyl Acetate	0.507	0.626	-23.5	108	0.00
19	T	Methyl tert-butyl Ether	1.011	1.171	-15.8	104	0.00
20	T	Methylene Chloride	0.814	0.948	-16.5	125	0.00
21	T	trans-1,2-Dichloroethene	0.633	0.679	-7.3	101	0.00
22	T	Diisopropyl ether	1.783	2.151	-20.6	110	0.00
23	T	Vinyl Acetate	1.218	1.359	-11.6	99	0.00
24	P	1,1-Dichloroethane	1.156	1.293	-11.9	106	0.00
25	T	2-Butanone	0.231	0.260	-12.6	96	0.00
26	T	2,2-Dichloropropane	0.674	0.635	5.8	88	0.00
27	T	cis-1,2-Dichloroethene	0.728	0.818	-12.4	105	0.00
28	T	Bromochloromethane	0.510	0.575	-12.7	104	0.00
29	T	Tetrahydrofuran	0.158	0.179	-13.3	98	0.00
30	C	Chloroform	1.228	1.368	-11.4#	104	0.00
31	T	Cyclohexane	1.022	0.953	6.8	93	0.00
32	T	1,1,1-Trichloroethane	0.946	0.979	-3.5	97	0.00
33	S	1,2-Dichloroethane-d4	0.718	0.787	-9.6	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.326	0.332	-1.8	99	0.00
36	T	1,1-Dichloropropene	0.472	0.471	0.2	100	0.00
37	T	Ethyl Acetate	0.298	0.313	-5.0	100	0.00
38	T	Carbon Tetrachloride	0.481	0.453	5.8	95	0.00
39	T	Methylcyclohexane	0.587	0.555	5.5	95	0.00
40	TM	Benzene	1.397	1.496	-7.1	105	0.00
41	T	Methacrylonitrile	0.160	0.181	-13.1	100	0.00
42	TM	1,2-Dichloroethane	0.472	0.507	-7.4	106	0.00
43	T	Isopropyl Acetate	0.513	0.563	-9.7	101	0.00
44	TM	Trichloroethene	0.349	0.351	-0.6	99	0.00
45	C	1,2-Dichloropropane	0.338	0.371	-9.8#	108	0.00
46	T	Dibromomethane	0.218	0.239	-9.6	105	0.00
47	T	Bromodichloromethane	0.511	0.563	-10.2	106	0.00
48	T	Methyl methacrylate	0.252	0.277	-9.9	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	108	0.00
50	S	Toluene-d8	1.214	1.247	-2.7	100	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.327	-10.8	101	0.00
52	CM	Toluene	0.894	0.963	-7.7#	106	0.00
53	T	t-1,3-Dichloropropene	0.480	0.524	-9.2	102	0.00
54	T	cis-1,3-Dichloropropene	0.544	0.584	-7.4	103	0.00
55	T	1,1,2-Trichloroethane	0.286	0.315	-10.1	106	0.00
56	T	Ethyl methacrylate	0.387	0.452	-16.8	106	0.00
57	T	1,3-Dichloropropane	0.501	0.557	-11.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.244	-14.6	105	0.00
59	T	2-Hexanone	0.200	0.229	-14.5	101	0.00
60	T	Dibromochloromethane	0.341	0.375	-10.0	103	0.00
61	T	1,2-Dibromoethane	0.286	0.309	-8.0	103	0.00
62	S	4-Bromofluorobenzene	0.447	0.471	-5.4	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.327	0.331	-1.2	103	0.00
65	PM	Chlorobenzene	1.103	1.176	-6.6	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.371	-5.4	104	0.00
67	C	Ethyl Benzene	1.913	2.021	-5.6#	105	0.00
68	T	m/p-Xylenes	0.735	0.768	-4.5	103	0.00
69	T	o-Xylene	0.681	0.730	-7.2	105	0.00
70	T	Styrene	1.177	1.293	-9.9	104	0.00
71	P	Bromoform	0.210	0.227	-8.1	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.803	4.054	-6.6	103	0.00
74	T	N-amyl acetate	1.025	1.175	-14.6	104	0.00
75	P	1,1,2,2-Tetrachloroethane	0.844	0.930	-10.2	104	0.00
76	T	1,2,3-Trichloropropane	0.646	0.609	5.7	88	0.00
77	T	Bromobenzene	0.848	0.916	-8.0	111	0.00
78	T	n-propylbenzene	4.554	4.916	-7.9	104	0.00
79	T	2-Chlorotoluene	2.743	2.970	-8.3	105	0.00
80	T	1,3,5-Trimethylbenzene	3.148	3.466	-10.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.277	0.280	-1.1	91	0.00
82	T	4-Chlorotoluene	2.879	3.124	-8.5	105	0.00
83	T	tert-Butylbenzene	2.697	2.877	-6.7	104	0.00
84	T	1,2,4-Trimethylbenzene	3.190	3.523	-10.4	107	0.00
85	T	sec-Butylbenzene	4.048	4.259	-5.2	101	0.00
86	T	p-Isopropyltoluene	3.336	3.502	-5.0	101	0.00
87	T	1,3-Dichlorobenzene	1.701	1.795	-5.5	103	0.00
88	T	1,4-Dichlorobenzene	1.741	1.722	1.1	96	0.00
89	T	n-Butylbenzene	3.241	3.405	-5.1	102	0.00
90	T	Hexachloroethane	0.602	0.622	-3.3	100	0.00
91	T	1,2-Dichlorobenzene	1.555	1.643	-5.7	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.165	0.169	-2.4	96	0.00
93	T	1,2,4-Trichlorobenzene	0.959	1.050	-9.5	107	0.00
94	T	Hexachlorobutadiene	0.463	0.430	7.1	98	0.00
95	T	Naphthalene	2.351	2.682	-14.1	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	0.902	-2.4	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	91	0.00
2	T	Dichlorodifluoromethane	50.000	39.797	20.4	80	0.01
3	P	Chloromethane	50.000	47.816	4.4	96	0.00
4	C	Vinyl Chloride	50.000	49.890	0.2#	96	0.00
5	T	Bromomethane	50.000	48.274	3.5	94	0.00
6	T	Chloroethane	50.000	50.307	-0.6	97	0.00
7	T	Trichlorofluoromethane	50.000	47.230	5.5	90	0.00
8	T	Diethyl Ether	50.000	54.533	-9.1	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.754	6.5	92	0.00
10	T	Methyl Iodide	50.000	50.876	-1.8	96	0.00
11	T	Tert butyl alcohol	250.000	260.158	-4.1	91	0.02
12	CM	1,1-Dichloroethene	50.000	49.995	0.0#	98	0.01
13	T	Acrolein	250.000	123.808	50.5#	43	0.01
14	T	Allyl chloride	50.000	53.382	-6.8	100	0.00
15	T	Acrylonitrile	250.000	272.235	-8.9	95	0.01
16	T	Acetone	250.000	238.337	4.7	95	0.01
17	T	Carbon Disulfide	50.000	47.513	5.0	90	0.00
18	T	Methyl Acetate	50.000	61.747	-23.5	108	0.00
19	T	Methyl tert-butyl Ether	50.000	57.904	-15.8	104	0.00
20	T	Methylene Chloride	50.000	69.515	-39.0#	125	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.633	-7.3	101	0.00
22	T	Diisopropyl ether	50.000	60.319	-20.6	110	0.00
23	T	Vinyl Acetate	250.000	279.048	-11.6	99	0.00
24	P	1,1-Dichloroethane	50.000	55.926	-11.9	106	0.00
25	T	2-Butanone	250.000	281.927	-12.8	96	0.00
26	T	2,2-Dichloropropane	50.000	47.063	5.9	88	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.224	-12.4	105	0.00
28	T	Bromochloromethane	50.000	56.409	-12.8	104	0.00
29	T	Tetrahydrofuran	250.000	283.770	-13.5	98	0.00
30	C	Chloroform	50.000	55.703	-11.4#	104	0.00
31	T	Cyclohexane	50.000	46.645	6.7	93	0.00
32	T	1,1,1-Trichloroethane	50.000	51.696	-3.4	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.835	-9.7	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	50.939	-1.9	99	0.00
36	T	1,1-Dichloropropene	50.000	49.902	0.2	100	0.00
37	T	Ethyl Acetate	50.000	52.605	-5.2	100	0.00
38	T	Carbon Tetrachloride	50.000	47.048	5.9	95	0.00
39	T	Methylcyclohexane	50.000	47.227	5.5	95	0.00
40	TM	Benzene	50.000	53.549	-7.1	105	0.00
41	T	Methacrylonitrile	50.000	56.835	-13.7	100	0.00
42	TM	1,2-Dichloroethane	50.000	53.716	-7.4	106	0.00
43	T	Isopropyl Acetate	50.000	54.802	-9.6	101	0.00
44	TM	Trichloroethene	50.000	50.321	-0.6	99	0.00
45	C	1,2-Dichloropropane	50.000	54.947	-9.9#	108	0.00
46	T	Dibromomethane	50.000	54.735	-9.5	105	0.00
47	T	Bromodichloromethane	50.000	55.033	-10.1	106	0.00
48	T	Methyl methacrylate	50.000	54.800	-9.6	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	1117.198	-11.7	108	0.00
50	S	Toluene-d8	50.000	51.356	-2.7	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	276.816	-10.7	101	0.00
52	CM	Toluene	50.000	53.854	-7.7#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	54.640	-9.3	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.676	-7.4	103	0.00
55	T	1,1,2-Trichloroethane	50.000	55.107	-10.2	106	0.00
56	T	Ethyl methacrylate	50.000	58.286	-16.6	106	0.00
57	T	1,3-Dichloropropane	50.000	55.515	-11.0	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	286.397	-14.6	105	0.00
59	T	2-Hexanone	250.000	285.791	-14.3	101	0.00
60	T	Dibromochloromethane	50.000	54.848	-9.7	103	0.00
61	T	1,2-Dibromoethane	50.000	54.067	-8.1	103	0.00
62	S	4-Bromofluorobenzene	50.000	52.661	-5.3	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	50.583	-1.2	103	0.00
65	PM	Chlorobenzene	50.000	53.308	-6.6	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.782	-5.6	104	0.00
67	C	Ethyl Benzene	50.000	52.823	-5.6#	105	0.00
68	T	m/p-Xylenes	100.000	104.409	-4.4	103	0.00
69	T	o-Xylene	50.000	53.623	-7.2	105	0.00
70	T	Styrene	50.000	54.936	-9.9	104	0.00
71	P	Bromoform	50.000	54.184	-8.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	53.299	-6.6	103	0.00
74	T	N-amyl acetate	50.000	57.323	-14.6	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.042	-10.1	104	0.00
76	T	1,2,3-Trichloropropane	50.000	47.092	5.8	88	0.00
77	T	Bromobenzene	50.000	53.995	-8.0	111	0.00
78	T	n-propylbenzene	50.000	53.975	-8.0	104	0.00
79	T	2-Chlorotoluene	50.000	54.142	-8.3	105	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.047	-10.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.443	-0.9	91	0.00
82	T	4-Chlorotoluene	50.000	54.242	-8.5	105	0.00
83	T	tert-Butylbenzene	50.000	53.341	-6.7	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.216	-10.4	107	0.00
85	T	sec-Butylbenzene	50.000	52.616	-5.2	101	0.00
86	T	p-Isopropyltoluene	50.000	52.484	-5.0	101	0.00
87	T	1,3-Dichlorobenzene	50.000	52.753	-5.5	103	0.00
88	T	1,4-Dichlorobenzene	50.000	49.444	1.1	96	0.00
89	T	n-Butylbenzene	50.000	52.534	-5.1	102	0.00
90	T	Hexachloroethane	50.000	51.687	-3.4	100	0.00
91	T	1,2-Dichlorobenzene	50.000	52.823	-5.6	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.108	-2.2	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.728	-9.5	107	0.00
94	T	Hexachlorobutadiene	50.000	46.419	7.2	98	0.00
95	T	Naphthalene	50.000	57.038	-14.1	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	51.204	-2.4	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

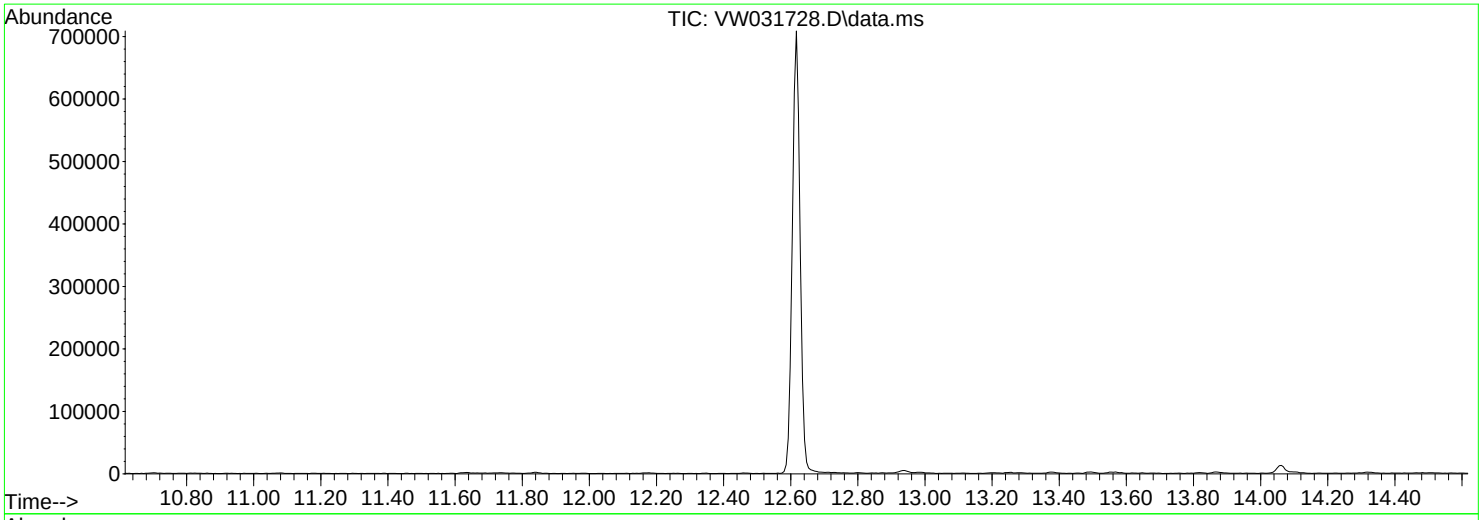
QC SAMPLE DATA

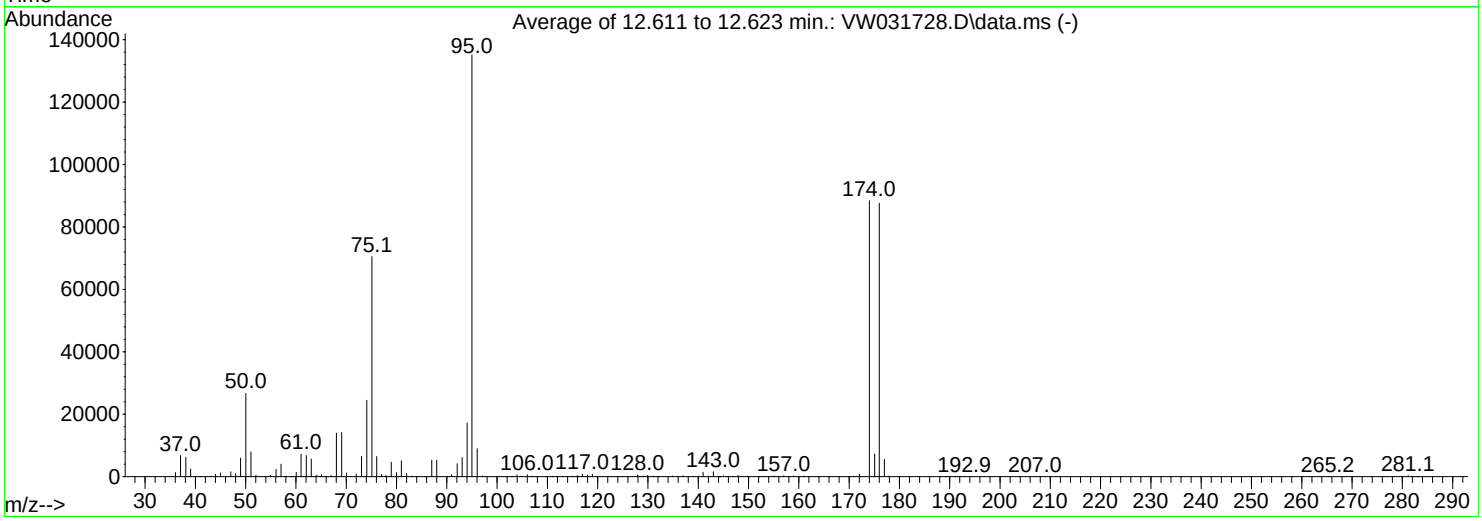
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Data File : VW031728.D
Acq On : 30 Jun 2025 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

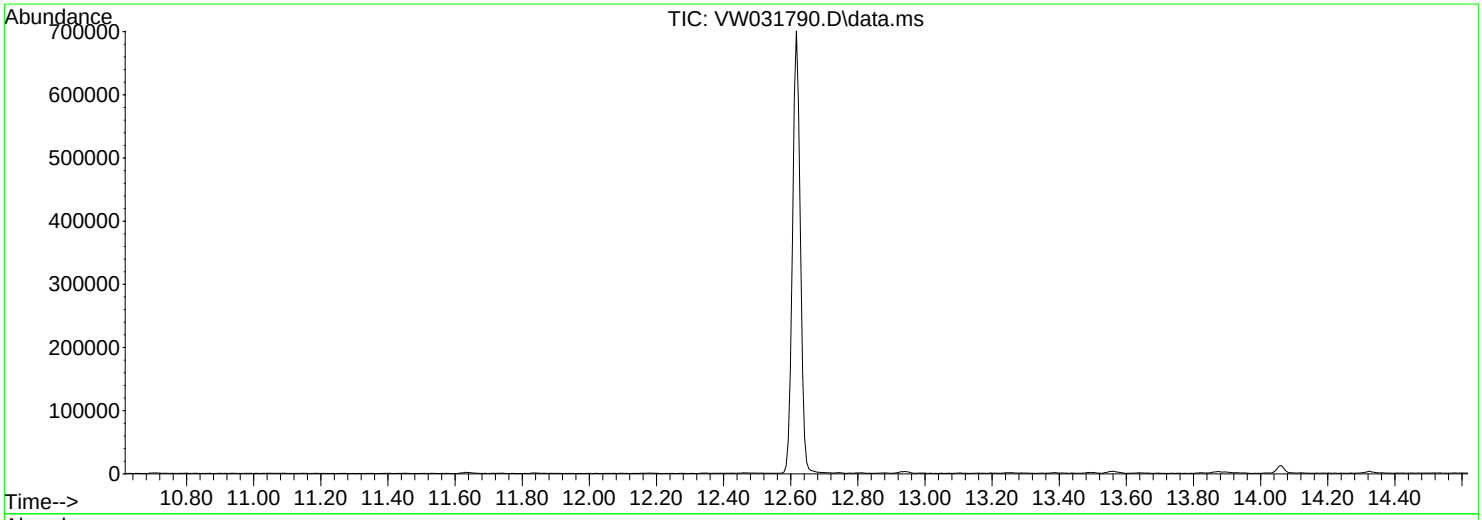
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	26685	PASS
75	95	30	60	52.1	70472	PASS
95	95	100	100	100.0	135149	PASS
96	95	5	9	6.7	8992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	88384	PASS
175	174	5	9	8.2	7275	PASS
176	174	95	101	99.2	87643	PASS
177	176	5	9	6.3	5529	PASS

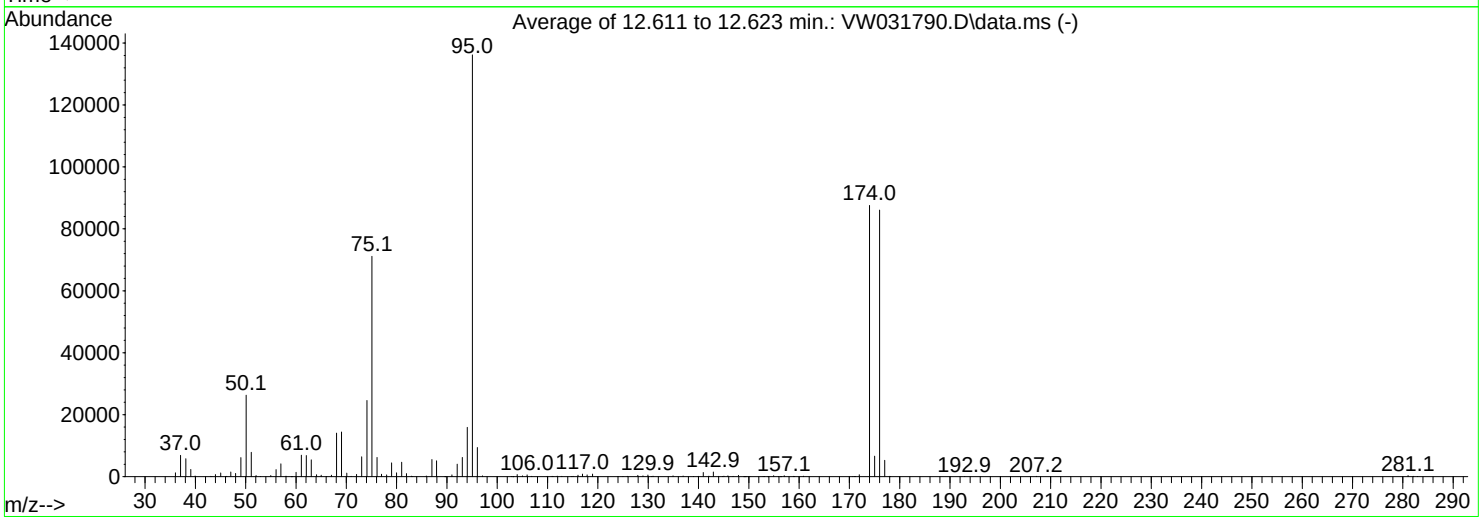
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031790.D
Acq On : 10 Jul 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 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	19.3	26320	PASS
75	95	30	60	52.2	71152	PASS
95	95	100	100	100.0	136197	PASS
96	95	5	9	6.9	9431	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.3	87584	PASS
175	174	5	9	7.6	6647	PASS
176	174	95	101	98.3	86056	PASS
177	176	5	9	6.1	5274	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:	VW0710SBL01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBL01	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
VW031792.D	1	07/10/25 10:15	VW071025

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

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:	VW0710SBL01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBL01	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
VW031792.D	1	07/10/25 10:15	VW071025

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

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:	VW0710SBL01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBL01	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
VW031792.D	1	07/10/25 10:15	VW071025

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	55.9		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		78 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	45.5		85 - 116		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	7.959				
540-36-3	1,4-Difluorobenzene	403000	8.849				
3114-55-4	Chlorobenzene-d5	369000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	172000	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\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Time: Jul 11 02:15:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	178449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	403423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	368923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143086	55.872	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.740%			
35) Dibromofluoromethane	7.898	113	121172	46.029	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.060%			
50) Toluene-d8	10.325	98	445433	45.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 90.940%			
62) 4-Bromofluorobenzene	12.617	95	164288	45.570	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.140%			

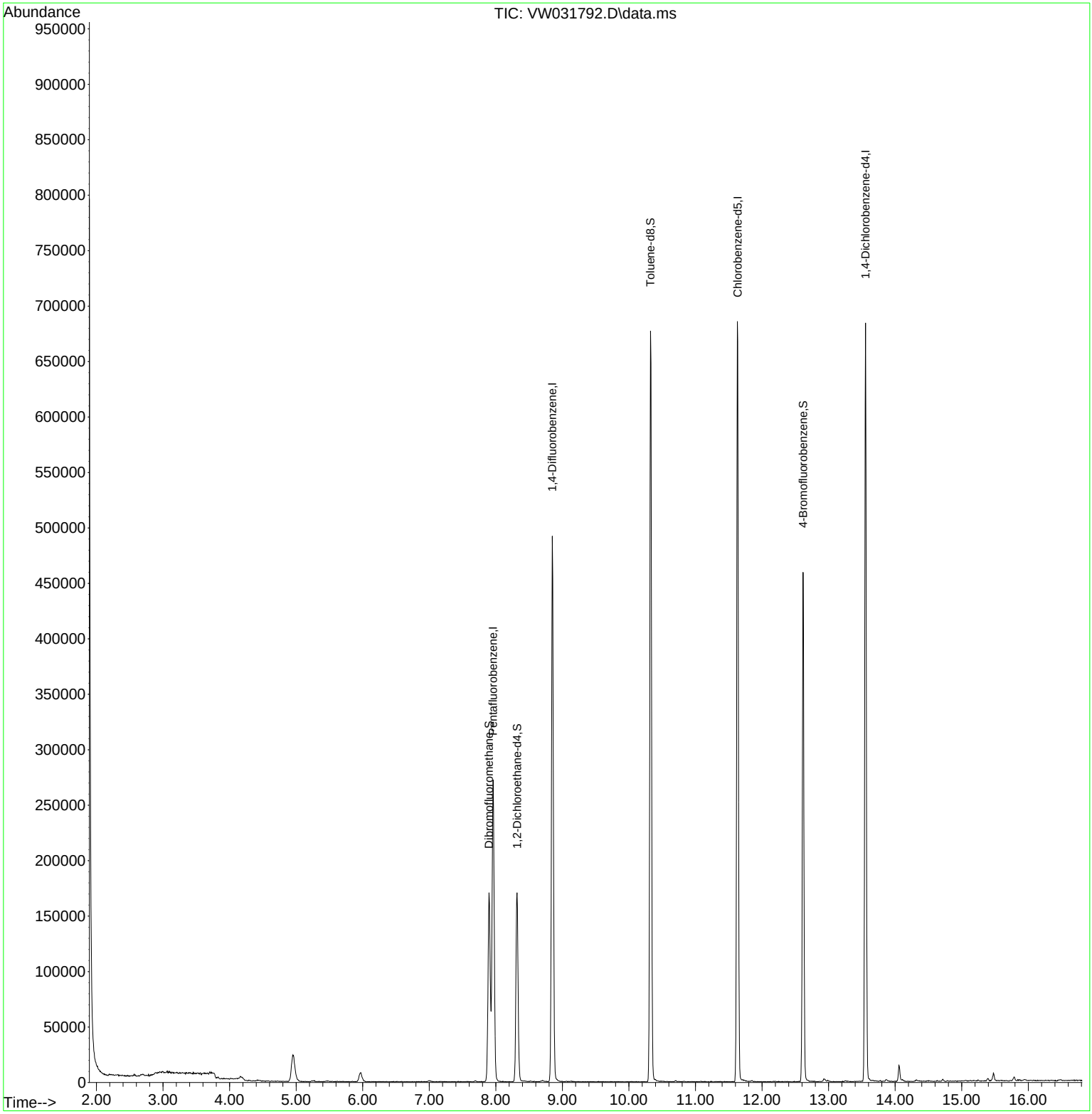
Target Compounds Qvalue

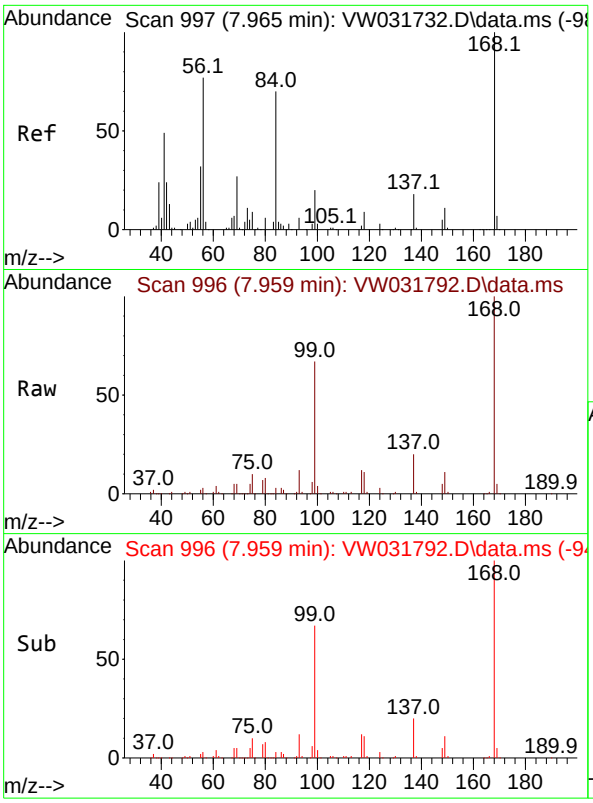
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031792.D
Acq On : 10 Jul 2025 10:15
Operator : SY/MD
Sample : VW0710SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Quant Time: Jul 11 02:15:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



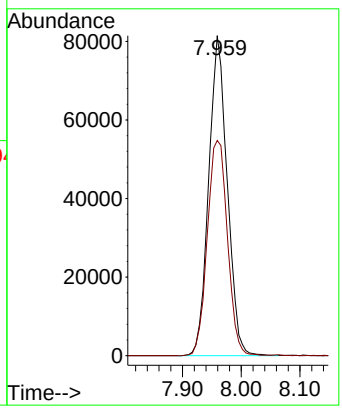


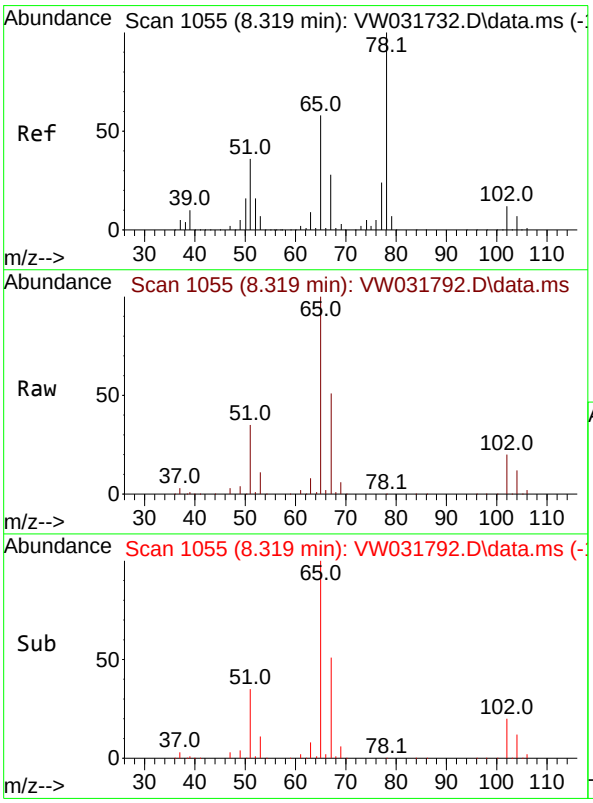
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Tgt Ion:168 Resp: 178449

Ion	Ratio	Lower	Upper
168	100		
99	67.2	49.4	74.2

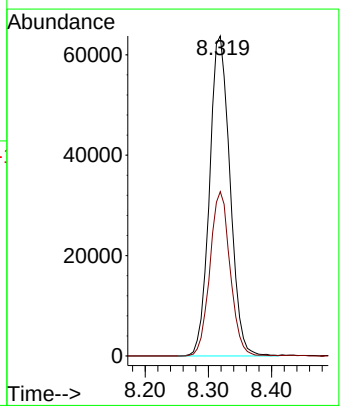


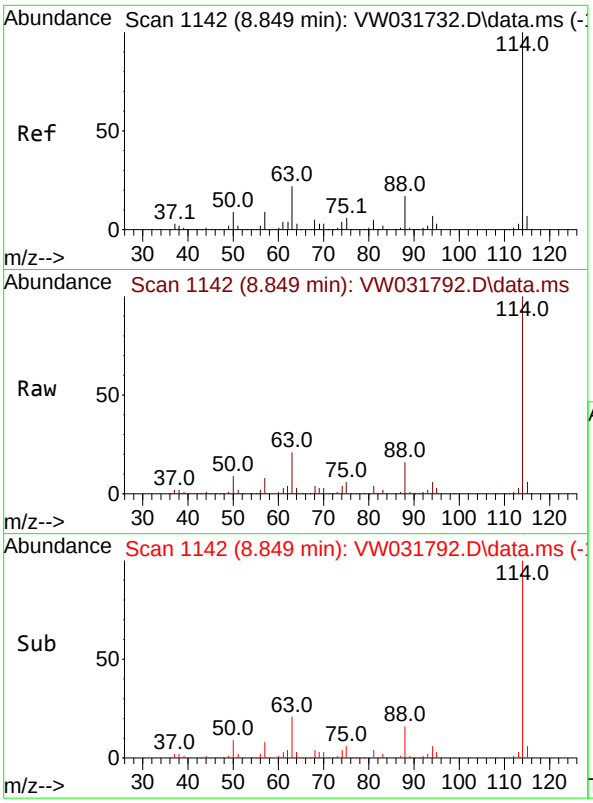


#33
1,2-Dichloroethane-d4
Concen: 55.872 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion: 65 Resp: 143086

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	99.4



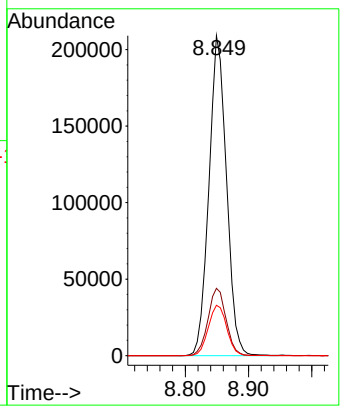


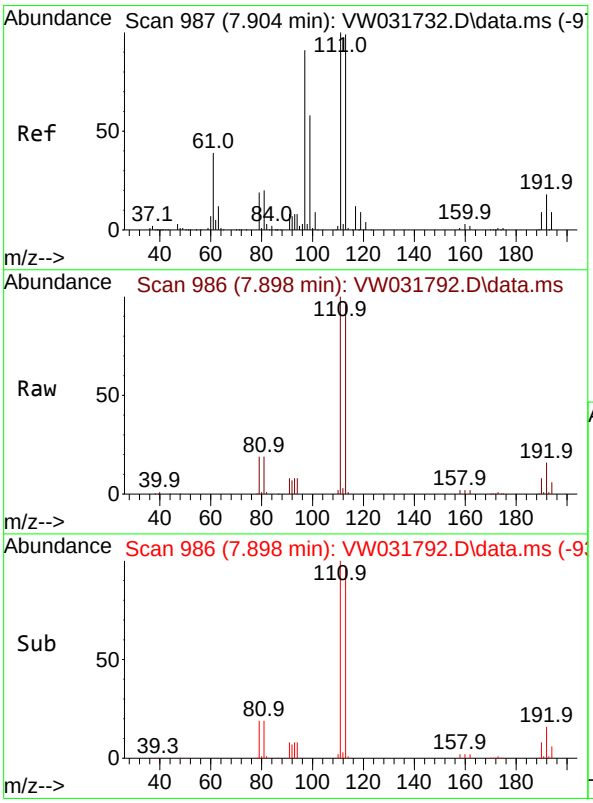
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Tgt Ion:114 Resp: 403423

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.6
88	15.7	0.0	34.2

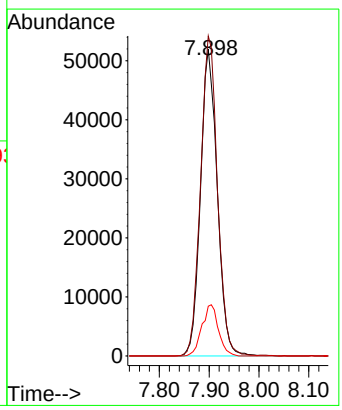


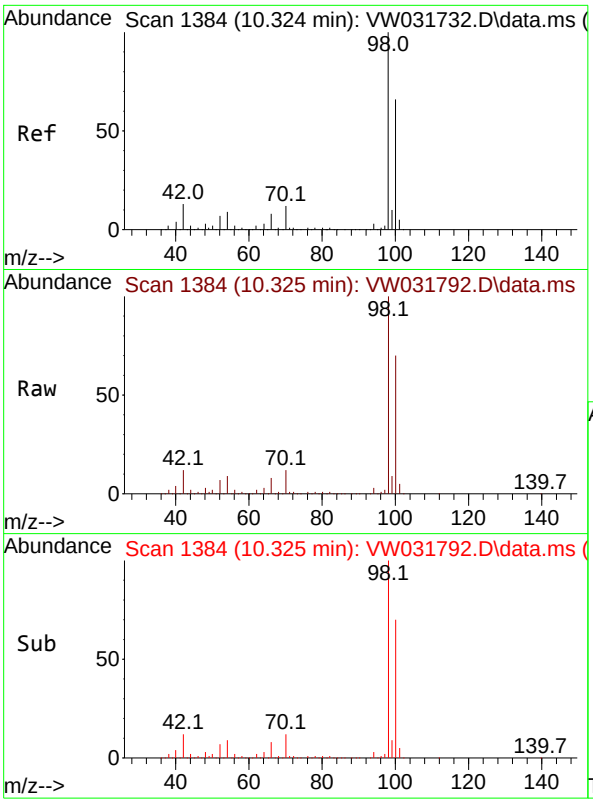


#35
Dibromofluoromethane
Concen: 46.029 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion:113 Resp: 121172

Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.1	123.1
192	16.5	13.8	20.6



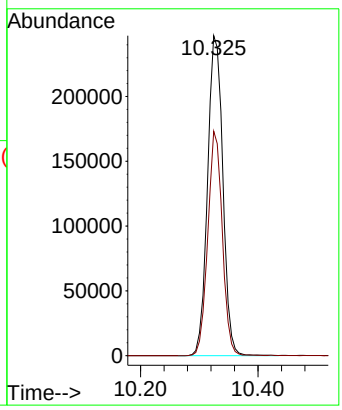


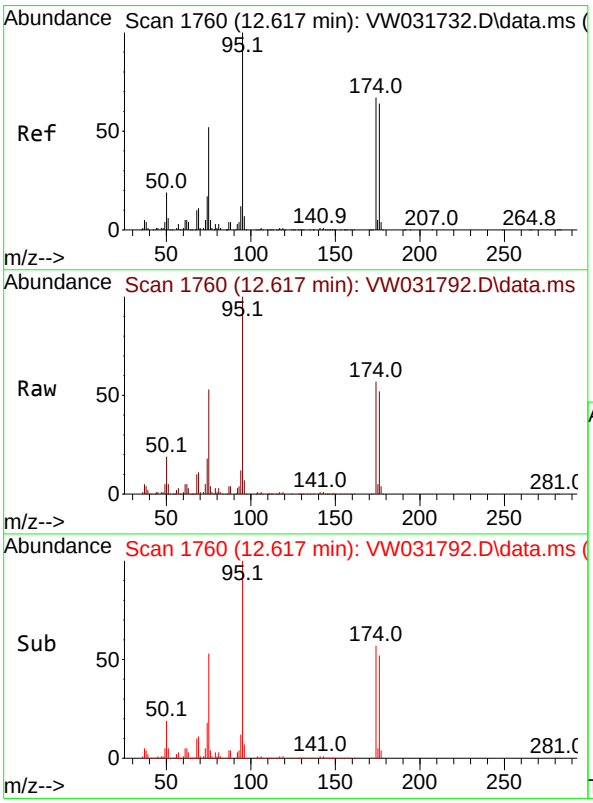
#50
Toluene-d8
Concen: 45.468 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Tgt Ion: 98 Resp: 445433

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

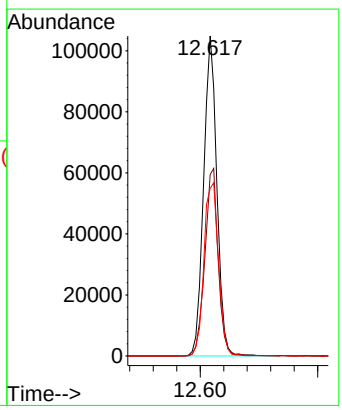


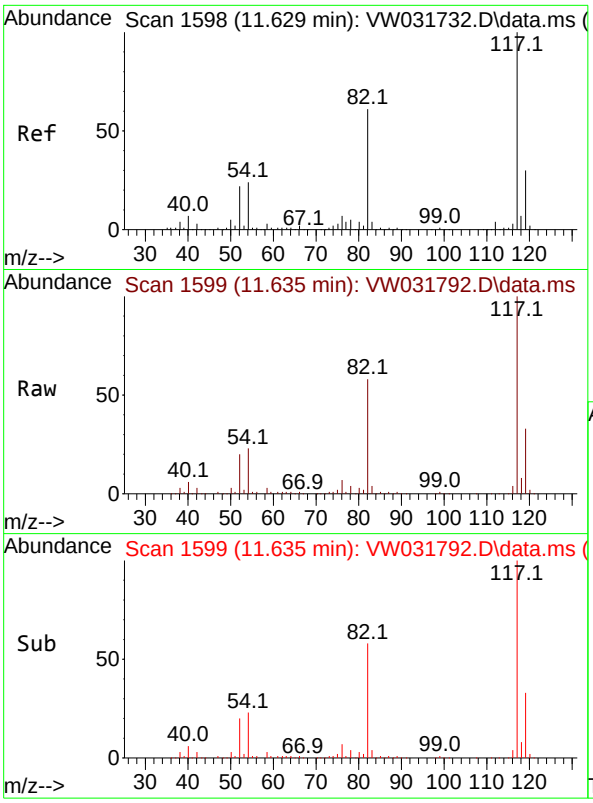


#62
4-Bromofluorobenzene
Concen: 45.570 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion: 95 Resp: 164288

Ion	Ratio	Lower	Upper
95	100		
174	59.0	0.0	133.8
176	59.7	0.0	126.0



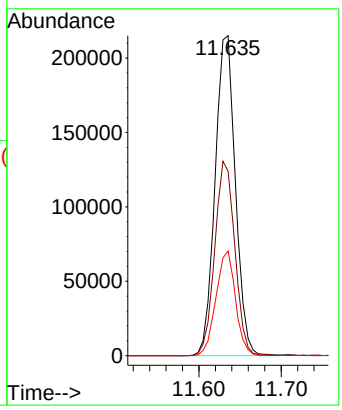


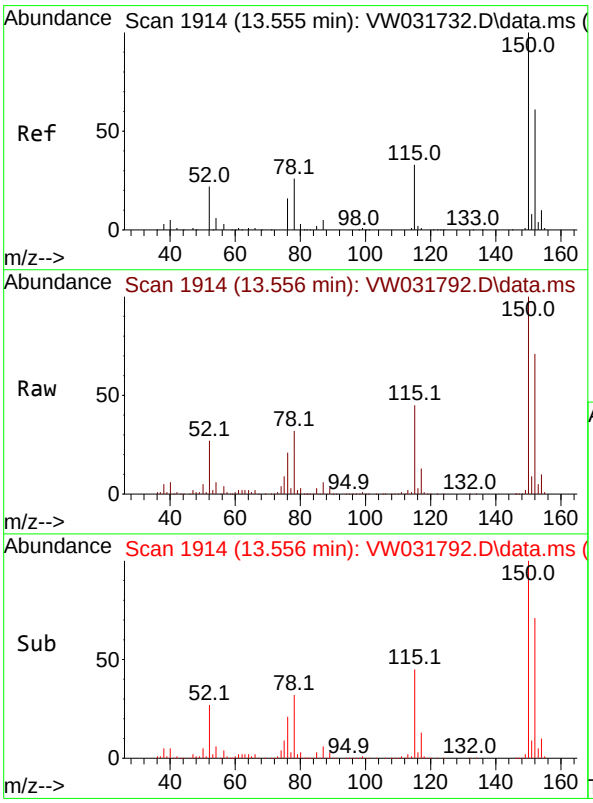
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBL01

Tgt Ion:117 Resp: 368923

Ion	Ratio	Lower	Upper
117	100		
82	57.6	48.6	72.8
119	32.7	23.9	35.9

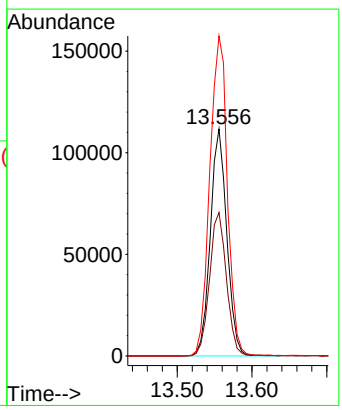




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031792.D
Acq: 10 Jul 2025 10:15

Tgt Ion:152 Resp: 171872

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.9	95.7
150	150.4	0.0	356.4



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:	VW0710SBS01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBS01	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
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		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	0.098		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.018		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	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.094		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.10		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	0.021		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.024		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	0.020		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	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		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	0.021		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		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	0.021		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	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.10		0.0036	0.013	0.025	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VW0710SBS01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBS01	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
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		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	0.019		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	0.021		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.022		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.022		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.042		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.064		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.022		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.018		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		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	0.020		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.021		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.021		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.021		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.021		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.021		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	0.019		0.0016	0.0025	0.0050	mg/Kg

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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:	VW0710SBS01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBS01	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
VW031793.D	1	07/10/25 11:05	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.021		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	0.018		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	48.8		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		78 - 119		95%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	228000	7.965				
540-36-3	1,4-Difluorobenzene	412000	8.855				
3114-55-4	Chlorobenzene-d5	356000	11.635				
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\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.965	168	227800	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411611	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.635	117	356304	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178658	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.319	65	159491	48.786 ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.580%	
35) Dibromofluoromethane	7.904	113	127793	47.578 ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.160%	
50) Toluene-d8	10.331	98	492896	49.312 ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.620%	
62) 4-Bromofluorobenzene	12.617	95	188760	51.317 ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.640%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.046	85	28672	18.481 ug/l	97
3) Chloromethane	2.259	50	36132	19.318 ug/l	100
4) Vinyl Chloride	2.405	62	49314	20.060 ug/l	99
5) Bromomethane	2.826	94	36183	18.843 ug/l	99
6) Chloroethane	2.972	64	32708	19.587 ug/l	96
7) Trichlorofluoromethane	3.308	101	40846	18.295 ug/l	96
8) Diethyl Ether	3.728	74	32965	19.431 ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.112	101	47864	19.315 ug/l	99
10) Methyl Iodide	4.313	142	73757	19.306 ug/l	100
11) Tert butyl alcohol	5.222	59	18221	89.964 ug/l	98
12) 1,1-Dichloroethene	4.082	96	54927	20.236 ug/l	95
13) Acrolein	3.935	56	27559	75.707 ug/l	97
14) Allyl chloride	4.710	41	84175	20.212 ug/l	98
15) Acrylonitrile	5.405	53	78337	93.899 ug/l	99
16) Acetone	4.167	43	82057	101.550 ug/l	98
17) Carbon Disulfide	4.423	76	135639	18.674 ug/l	97
18) Methyl Acetate	4.716	43	40980	17.745 ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97453	21.153 ug/l	97
20) Methylene Chloride	4.954	84	86741	24.344 ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	57914	20.080 ug/l	96
22) Diisopropyl ether	6.344	45	178983	22.036 ug/l	95
23) Vinyl Acetate	6.289	43	573681	103.404 ug/l	99
24) 1,1-Dichloroethane	6.246	63	107072	20.333 ug/l	98
25) 2-Butanone	7.203	43	113760	108.215 ug/l	93
26) 2,2-Dichloropropane	7.191	77	61808	20.117 ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	68850	20.767 ug/l	98
28) Bromochloromethane	7.532	49	46935	20.197 ug/l	99
29) Tetrahydrofuran	7.557	42	70344	97.711 ug/l	98
30) Chloroform	7.697	83	118527	21.182 ug/l	99
31) Cyclohexane	7.971	56	94163	20.229 ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	85287	19.778 ug/l	99
36) 1,1-Dichloropropene	8.099	75	80231	20.643 ug/l	99
37) Ethyl Acetate	7.282	43	49109	20.030 ug/l	98
38) Carbon Tetrachloride	8.087	117	77589	19.590 ug/l	93
39) Methylcyclohexane	9.343	83	98634	20.397 ug/l	97
40) Benzene	8.337	78	239525	20.830 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.508	41	27114	20.644	ug/l		98
42) 1,2-Dichloroethane	8.416	62	79451	20.448	ug/l		98
43) Isopropyl Acetate	8.441	43	84356	19.959	ug/l		99
44) Trichloroethene	9.105	130	58660	20.438	ug/l		96
45) 1,2-Dichloropropane	9.380	63	58767	21.145	ug/l		98
46) Dibromomethane	9.465	93	36342	20.254	ug/l		98
47) Bromodichloromethane	9.648	83	85402	20.298	ug/l		95
48) Methyl methacrylate	9.447	41	40682	19.576	ug/l		98
49) 1,4-Dioxane	9.465	88	7968	379.166	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.215	43	243938	100.395	ug/l		99
52) Toluene	10.392	92	153770	20.886	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	81344	20.605	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	93385	20.867	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	48442	20.611	ug/l		98
56) Ethyl methacrylate	10.648	69	65863	20.656	ug/l		99
57) 1,3-Dichloropropane	10.934	76	85519	20.724	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	180719	102.926	ug/l		97
59) 2-Hexanone	10.971	43	184308	111.938	ug/l		98
60) Dibromochloromethane	11.129	129	54573	19.417	ug/l		95
61) 1,2-Dibromoethane	11.239	107	48122	20.452	ug/l		99
64) Tetrachloroethene	10.867	164	45363	19.464	ug/l		91
65) Chlorobenzene	11.660	112	168300	21.409	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	54158	21.619	ug/l		97
67) Ethyl Benzene	11.733	91	300506	22.045	ug/l		98
68) m/p-Xylenes	11.843	106	221549	42.278	ug/l		97
69) o-Xylene	12.166	106	105871	21.820	ug/l		99
70) Styrene	12.184	104	179672	21.421	ug/l		98
71) Bromoform	12.349	173	26927	18.018	ug/l	#	95
73) Isopropylbenzene	12.464	105	276577	20.352	ug/l		100
74) N-amyl acetate	12.269	43	74607	20.368	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	59677	19.780	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	47147m	20.421	ug/l		
77) Bromobenzene	12.745	156	62484	20.615	ug/l		89
78) n-propylbenzene	12.800	91	341885	21.009	ug/l		99
79) 2-Chlorotoluene	12.891	91	200599	20.471	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	239593	21.299	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	17858	18.016	ug/l		91
82) 4-Chlorotoluene	12.989	91	215000	20.898	ug/l		99
83) tert-Butylbenzene	13.202	119	193236	20.054	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	239532	21.016	ug/l		99
85) sec-Butylbenzene	13.379	105	297918	20.599	ug/l		99
86) p-Isopropyltoluene	13.495	119	243955	20.467	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	120827	19.878	ug/l		98
88) 1,4-Dichlorobenzene	13.580	146	118668	19.074	ug/l		92
89) n-Butylbenzene	13.818	91	243206	21.000	ug/l		98
90) Hexachloroethane	14.092	117	40832	18.988	ug/l		97
91) 1,2-Dichlorobenzene	13.867	146	111078	19.994	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10704	18.170	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	66450	19.394	ug/l		98
94) Hexachlorobutadiene	15.226	225	31136	18.819	ug/l		92
95) Naphthalene	15.360	128	159288	18.963	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	58180	18.480	ug/l		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

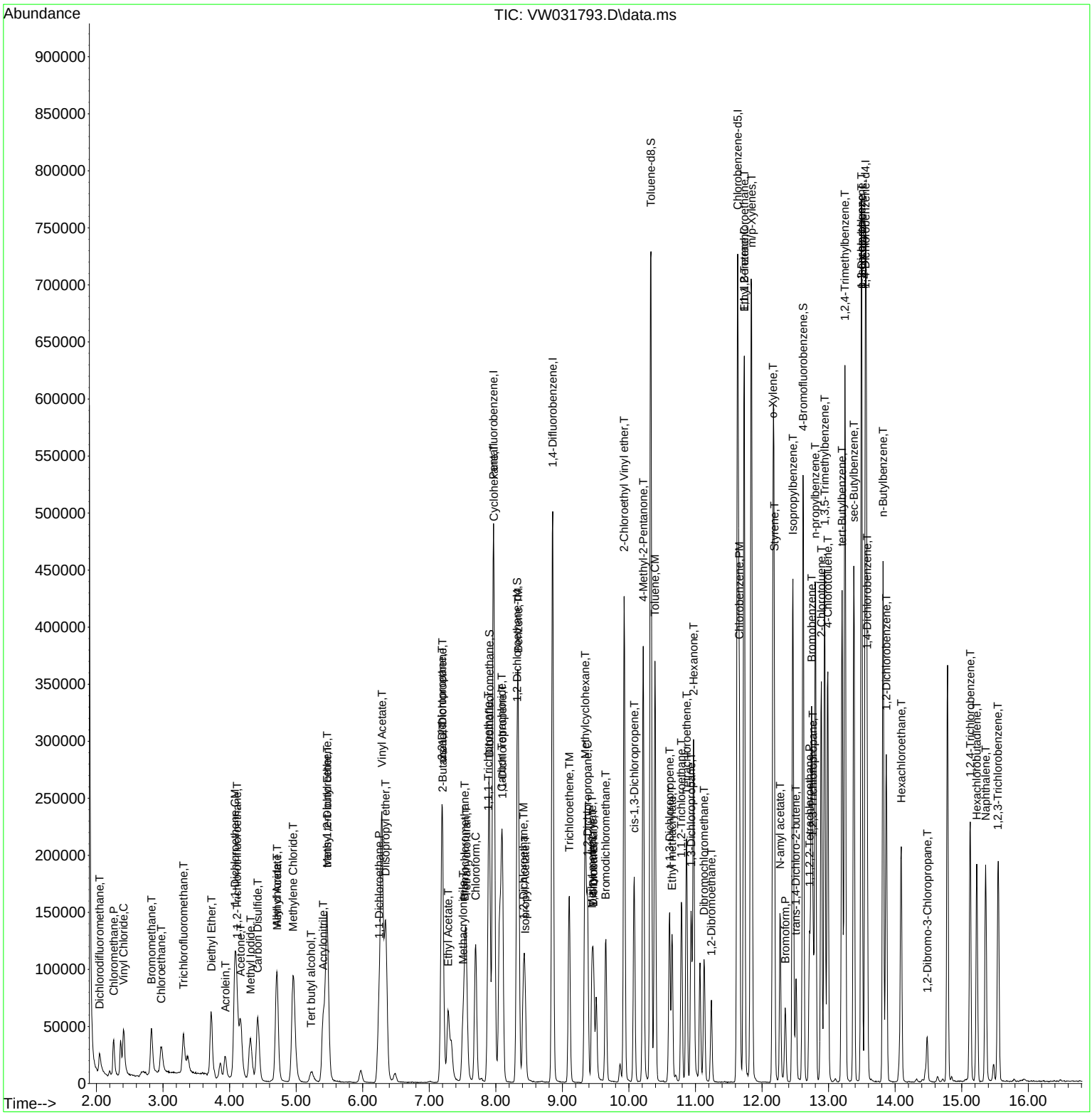
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Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

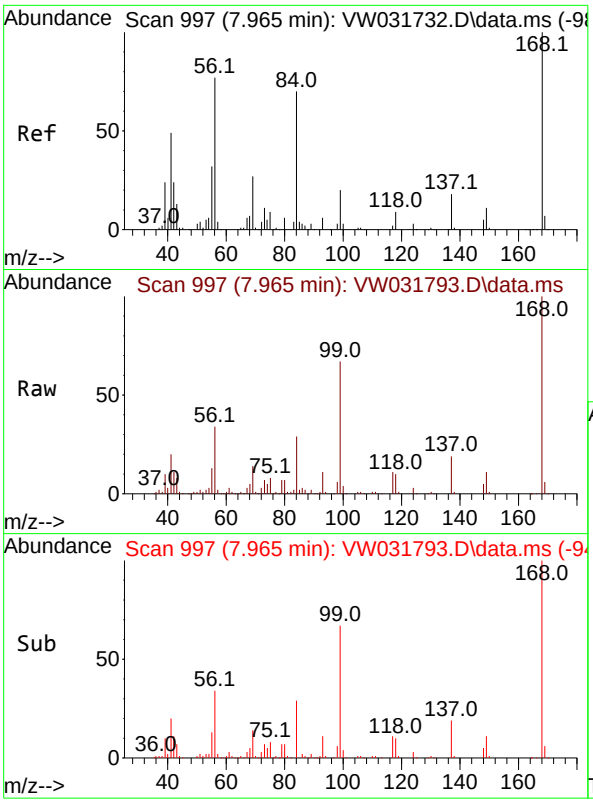
Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

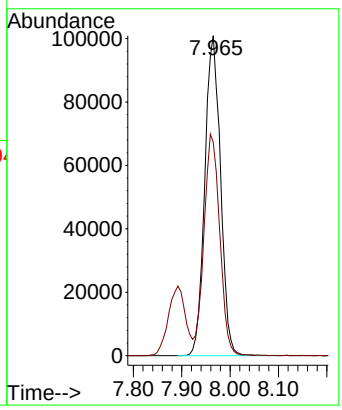




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:168 Resp: 22780

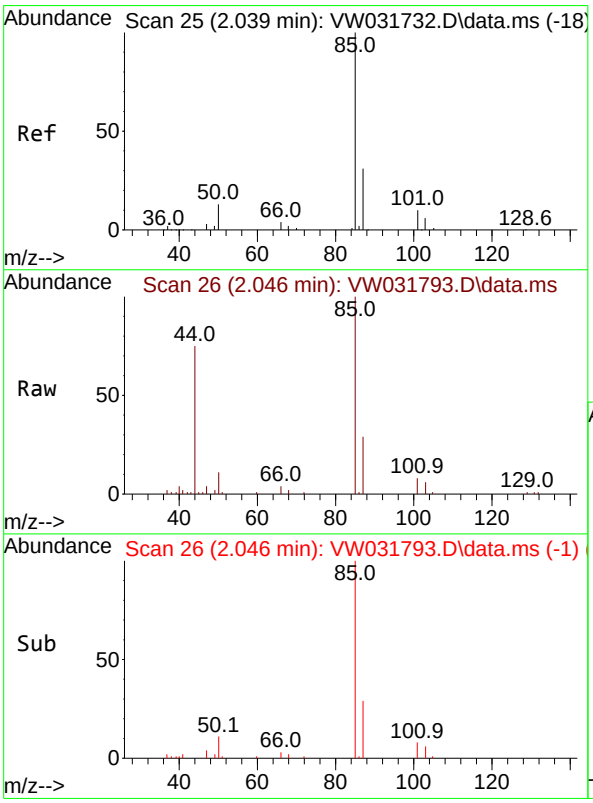
Ion	Ratio	Lower	Upper
168	100		
99	66.6	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

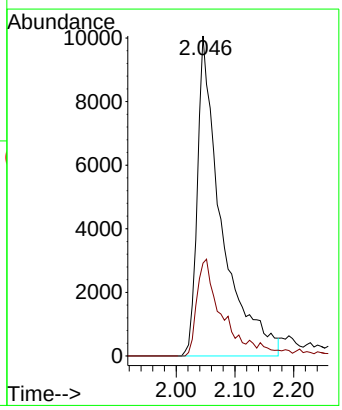
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

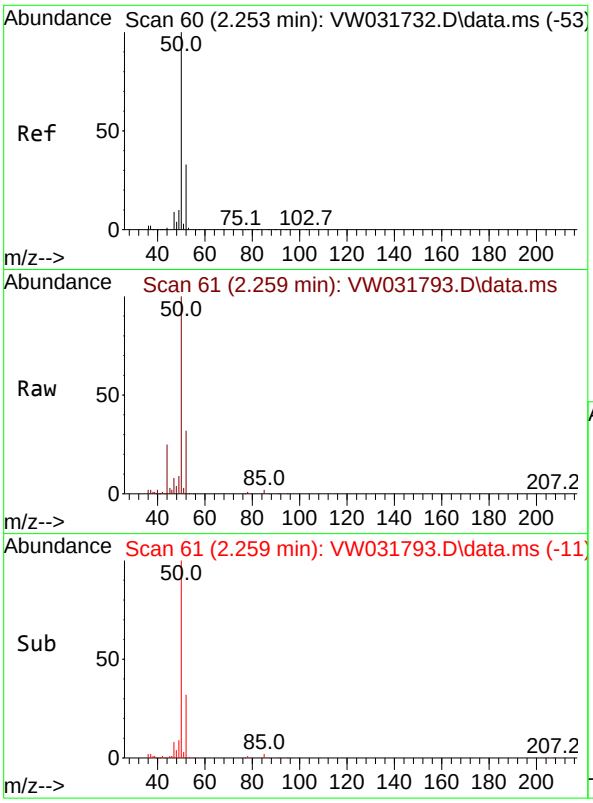


#2
Dichlorodifluoromethane
Concen: 18.481 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 85 Resp: 28672

Ion	Ratio	Lower	Upper
85	100		
87	29.0	15.4	46.2

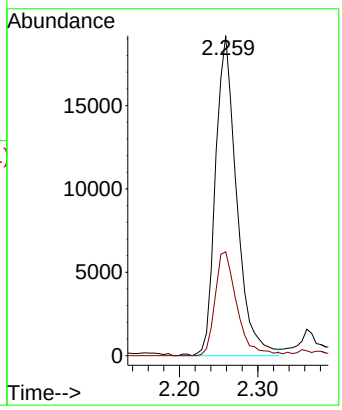




#3
Chloromethane
Concen: 19.318 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 50 Resp: 3613

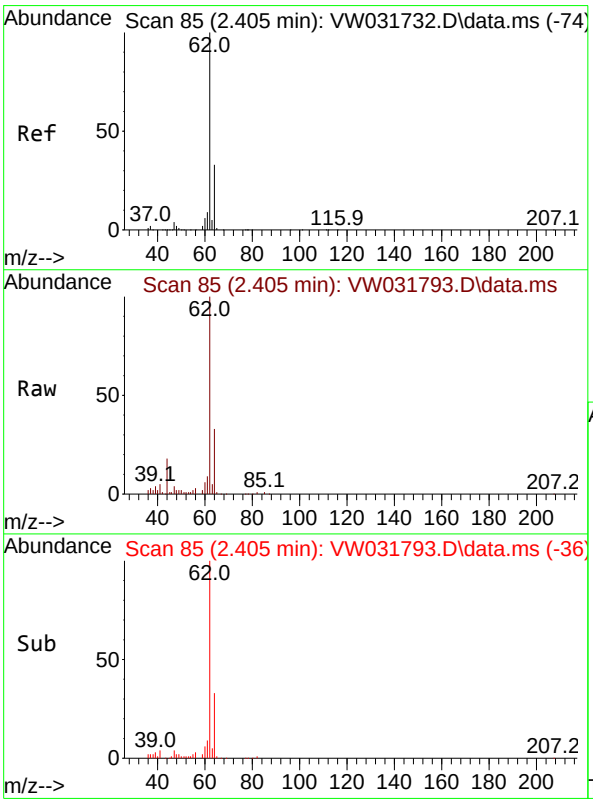
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

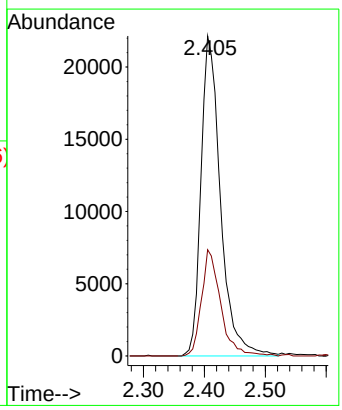
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

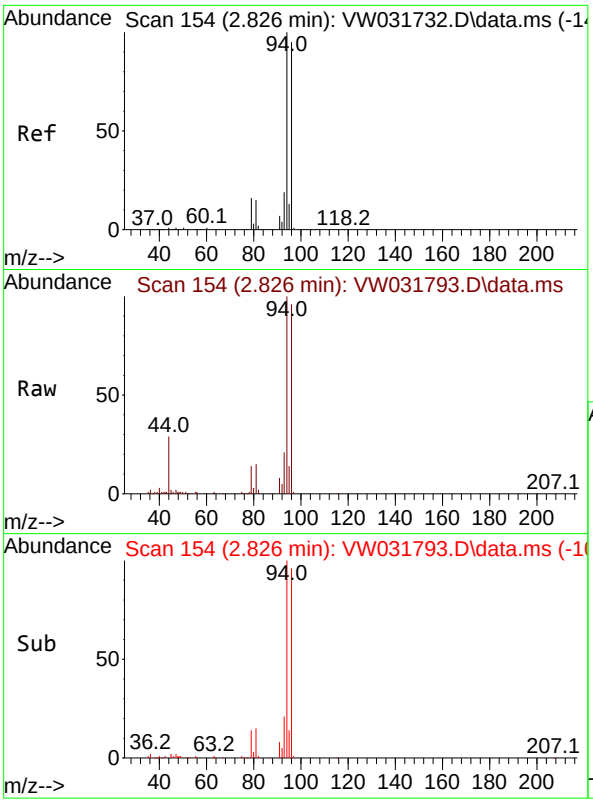


#4
Vinyl Chloride
Concen: 20.060 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 62 Resp: 49314

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.8	40.2

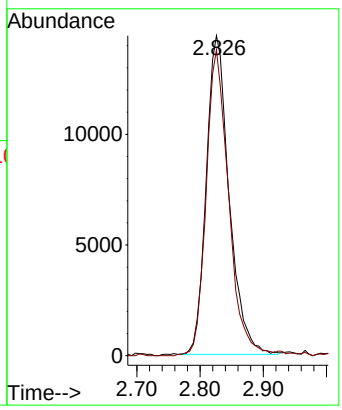




#5
Bromomethane
Concen: 18.843 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 94 Resp: 3618

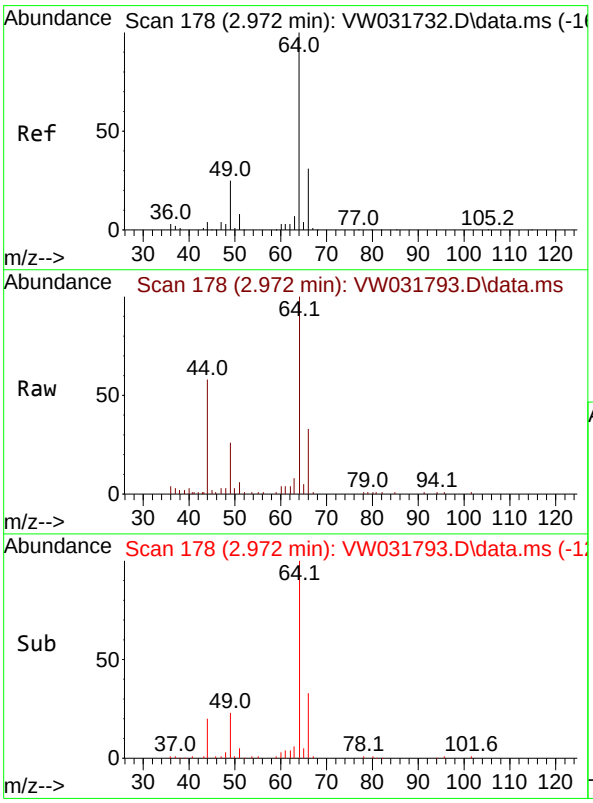
Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

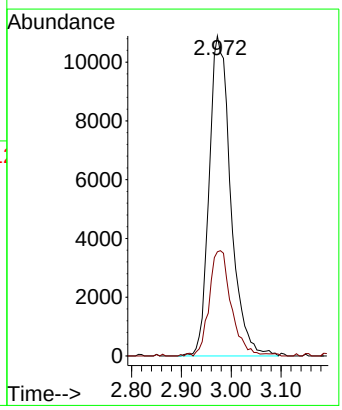
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

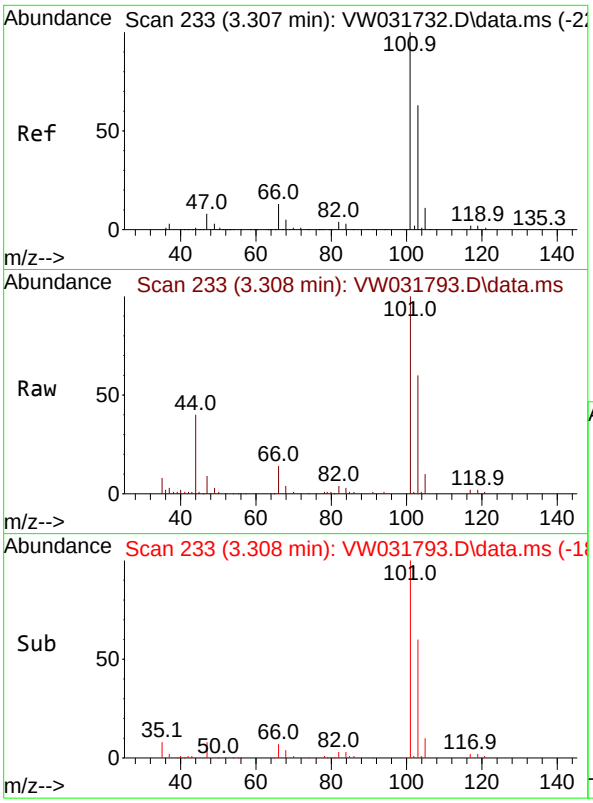


#6
Chloroethane
Concen: 19.587 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 64 Resp: 32708

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.5	36.7

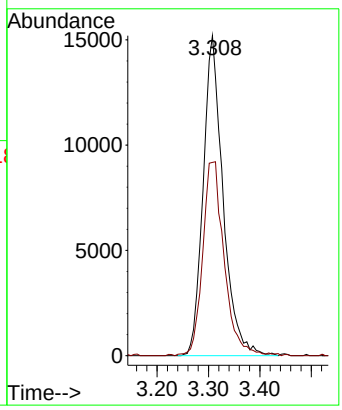




#7
Trichlorofluoromethane
Concen: 18.295 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:101 Resp: 4084

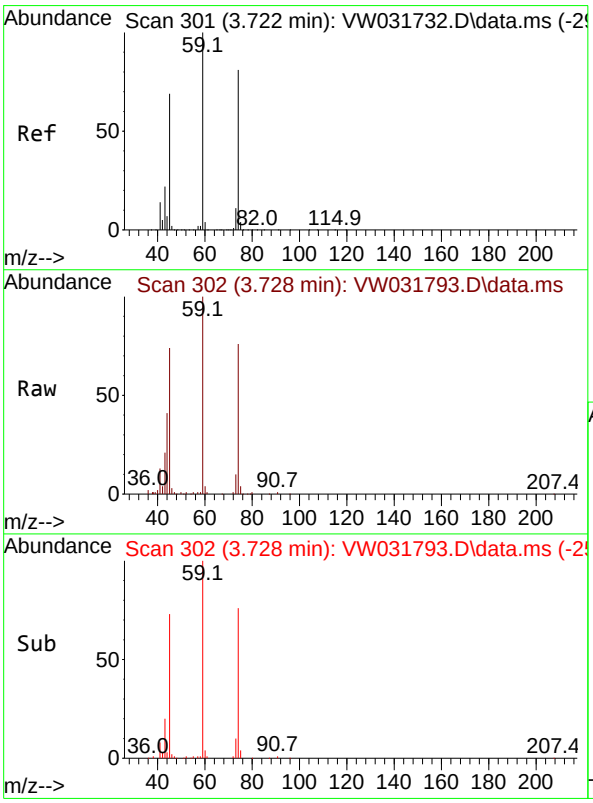
Ion	Ratio	Lower	Upper
101	100		
103	60.0	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

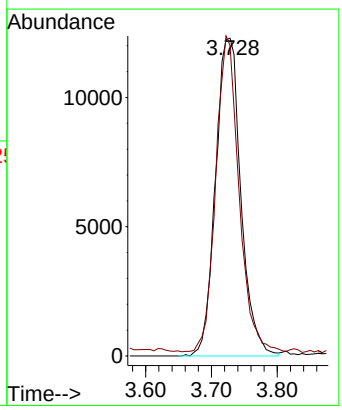
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

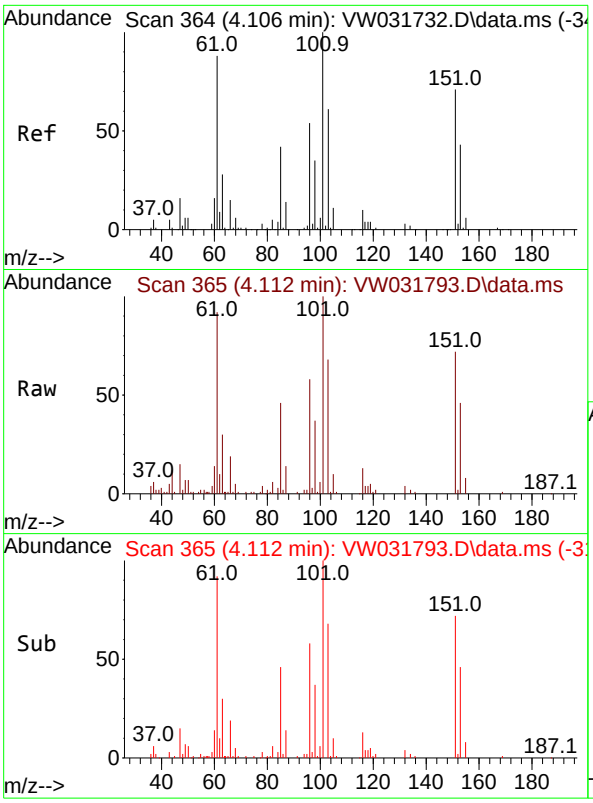


#8
Diethyl Ether
Concen: 19.431 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 74 Resp: 32965

Ion	Ratio	Lower	Upper
74	100		
45	90.5	43.9	131.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.315 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

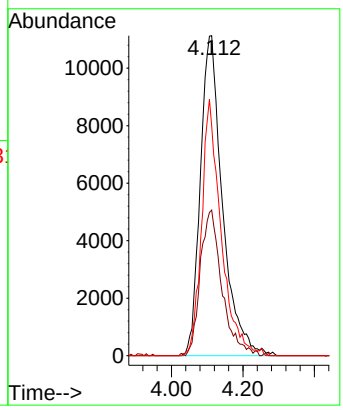
Tgt Ion:101 Resp: 4786

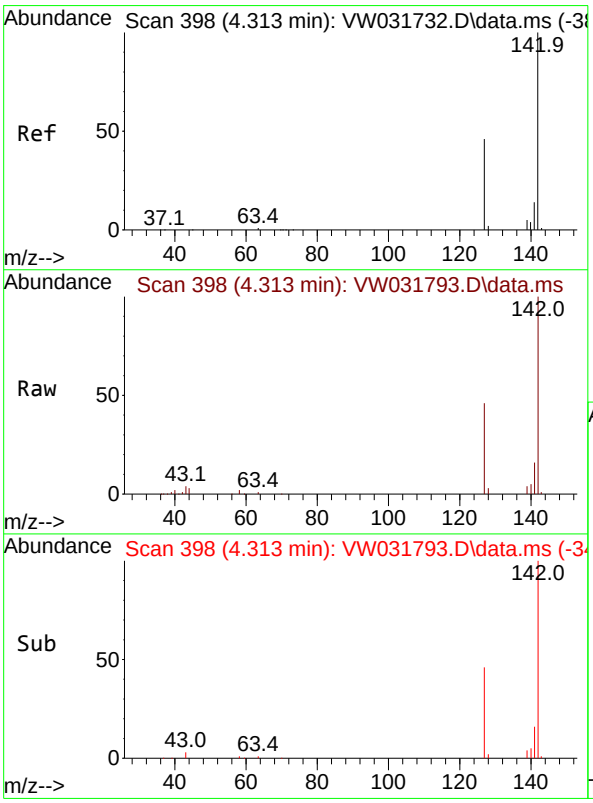
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.6	53.4
151	70.4	56.8	85.2

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

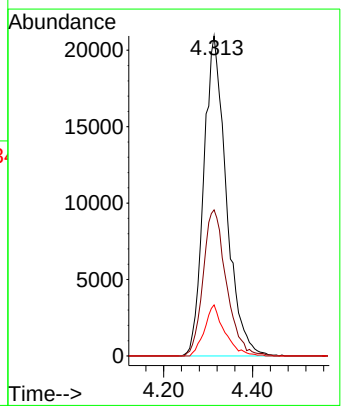


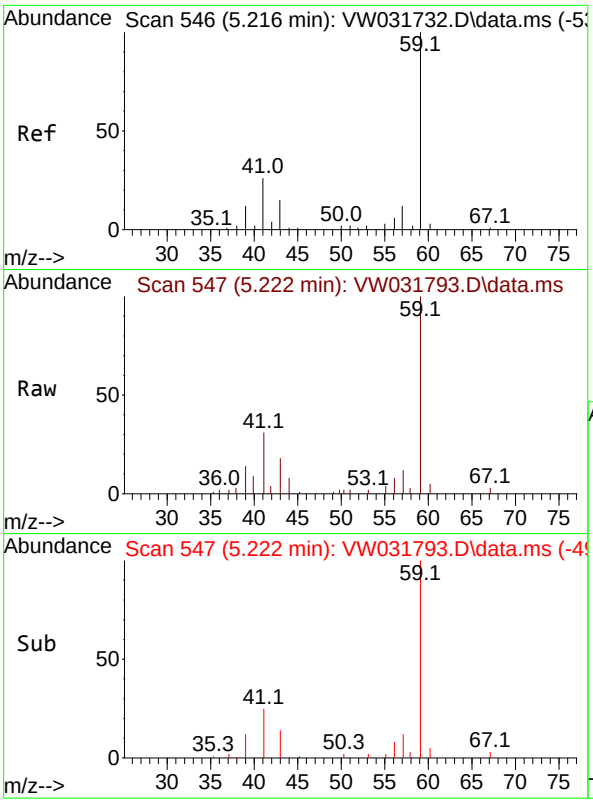


#10
Methyl Iodide
Concen: 19.306 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:142 Resp: 73757

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.9	56.9
141	14.4	11.7	17.5

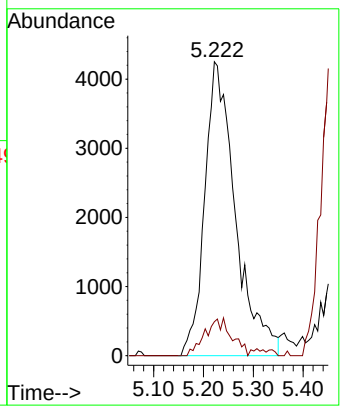




#11
Tert butyl alcohol
Concen: 89.964 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 59 Resp: 1822

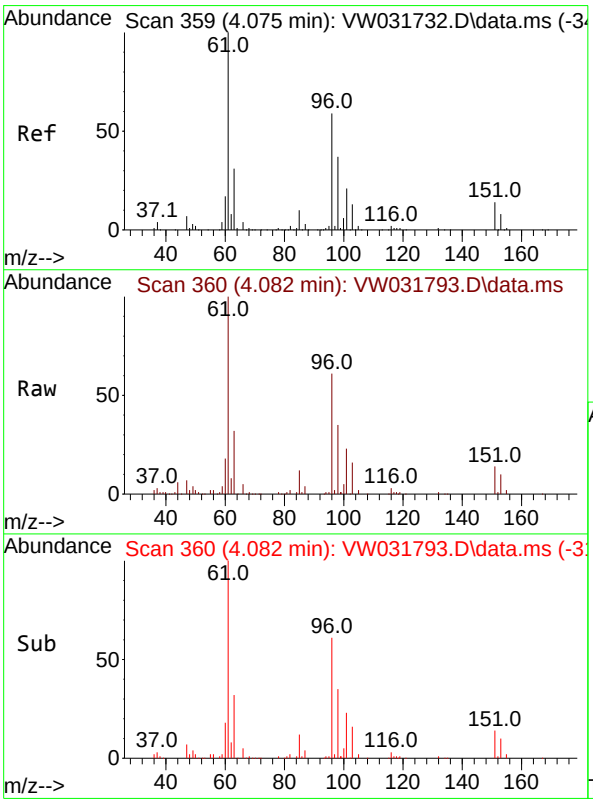
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
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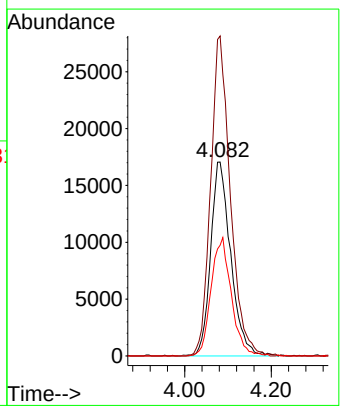
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

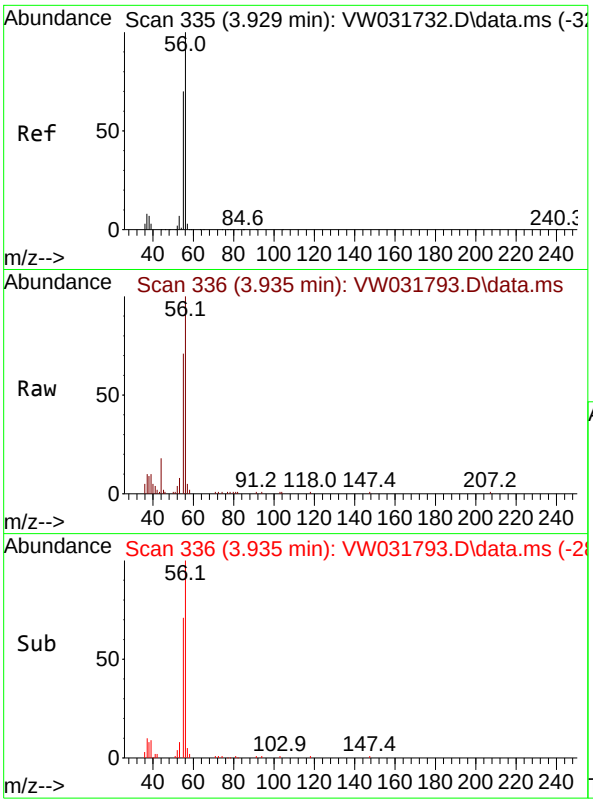


#12
1,1-Dichloroethene
Concen: 20.236 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 96 Resp: 54927

Ion	Ratio	Lower	Upper
96	100		
61	165.1	135.8	203.8
98	57.1	50.4	75.6

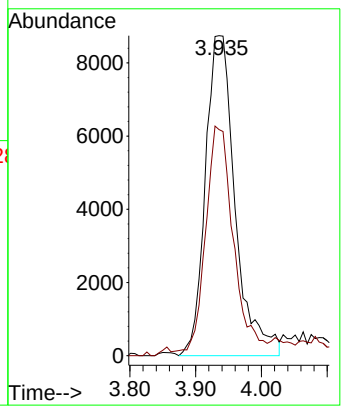




#13
Acrolein
Concen: 75.707 ug/l
RT: 3.935 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 56 Resp: 2755

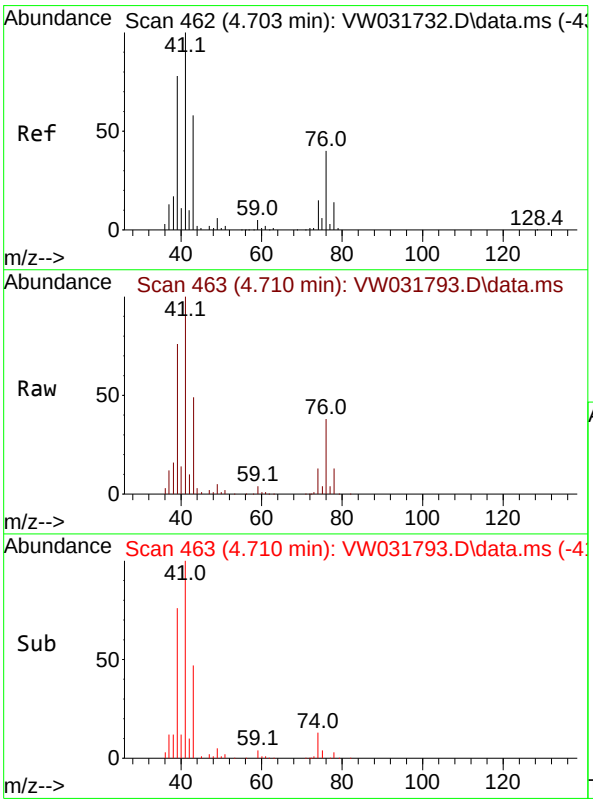
Ion	Ratio	Lower	Upper
56	100		
55	64.9	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

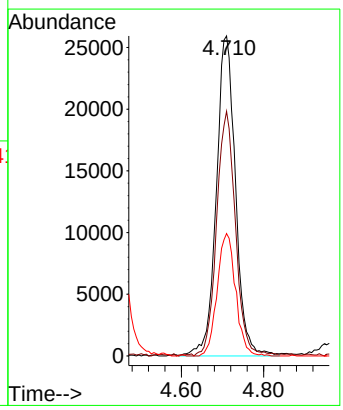
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

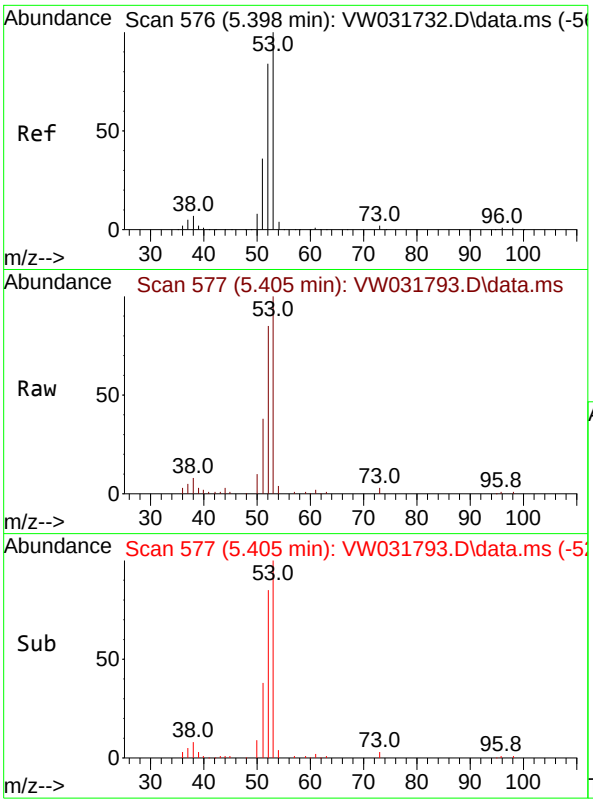


#14
Allyl chloride
Concen: 20.212 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 41 Resp: 84175

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.7	91.1
76	36.8	30.3	45.5

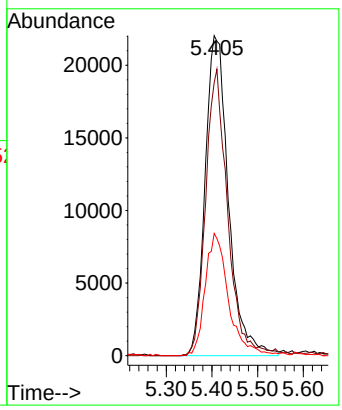




#15
Acrylonitrile
Concen: 93.899 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 53 Resp: 7833

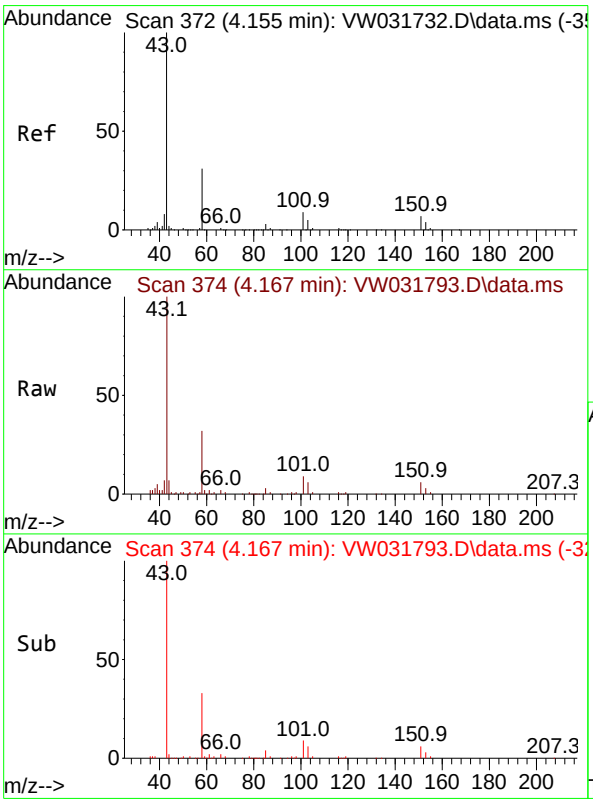
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.4	99.6
51	38.1	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

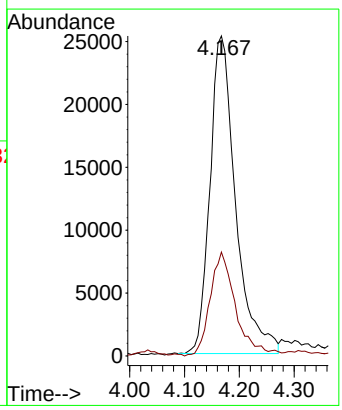
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

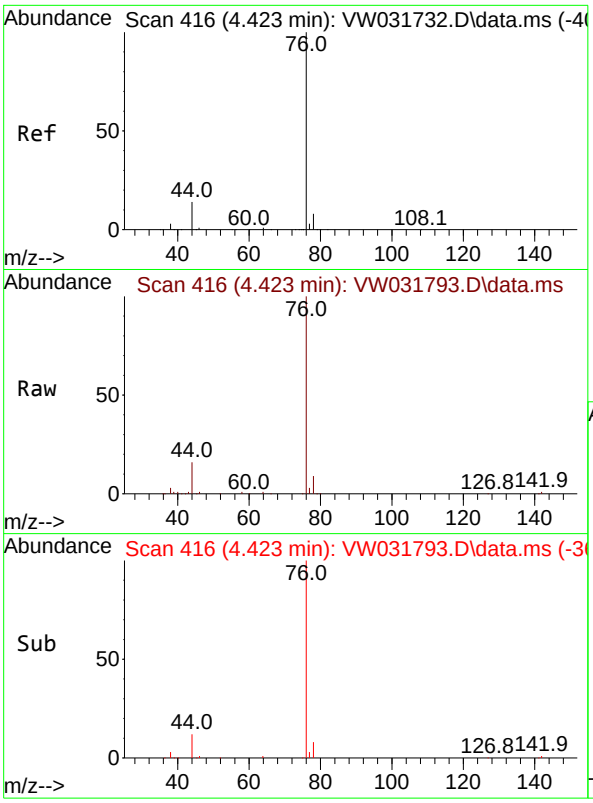


#16
Acetone
Concen: 101.550 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 82057

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.8	37.2





#17
Carbon Disulfide
Concen: 18.674 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

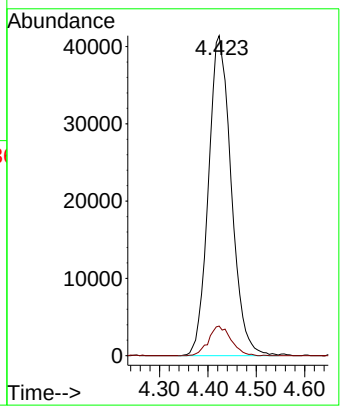
Tgt Ion: 76 Resp: 13563

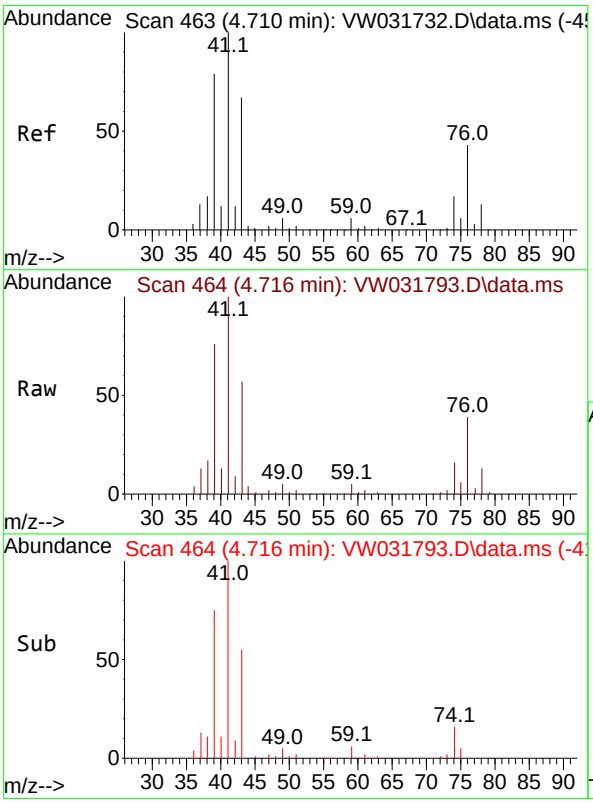
Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	10.0

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

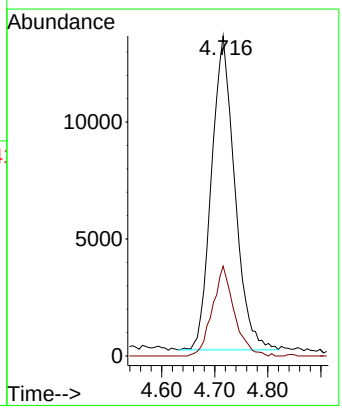


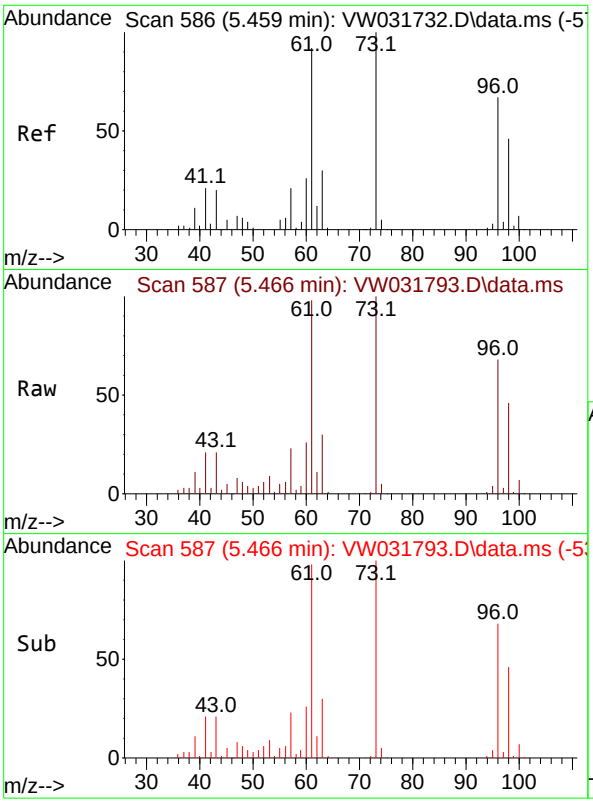


#18
Methyl Acetate
Concen: 17.745 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 40980

Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.6	30.8

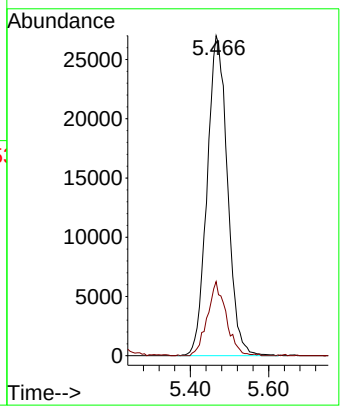




#19
Methyl tert-butyl Ether
Concen: 21.153 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 73 Resp: 9745

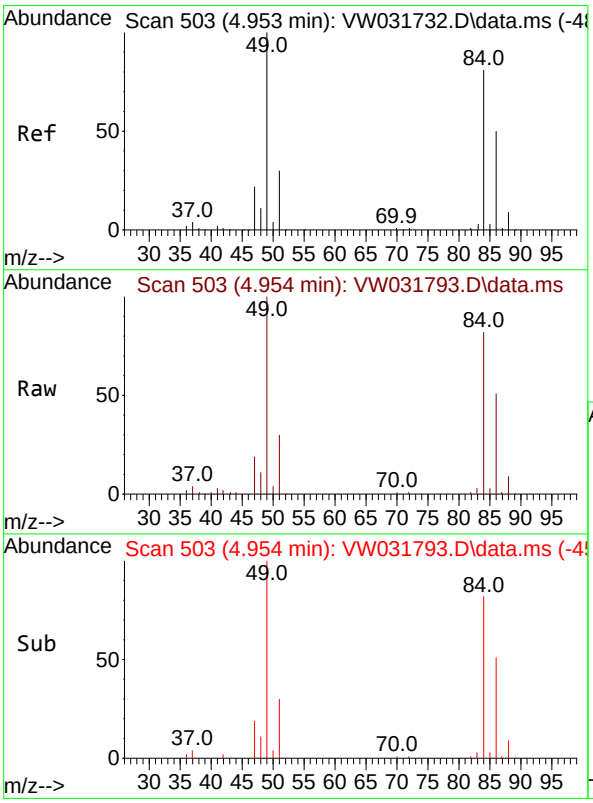
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

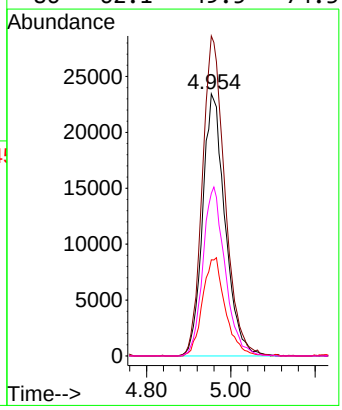
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

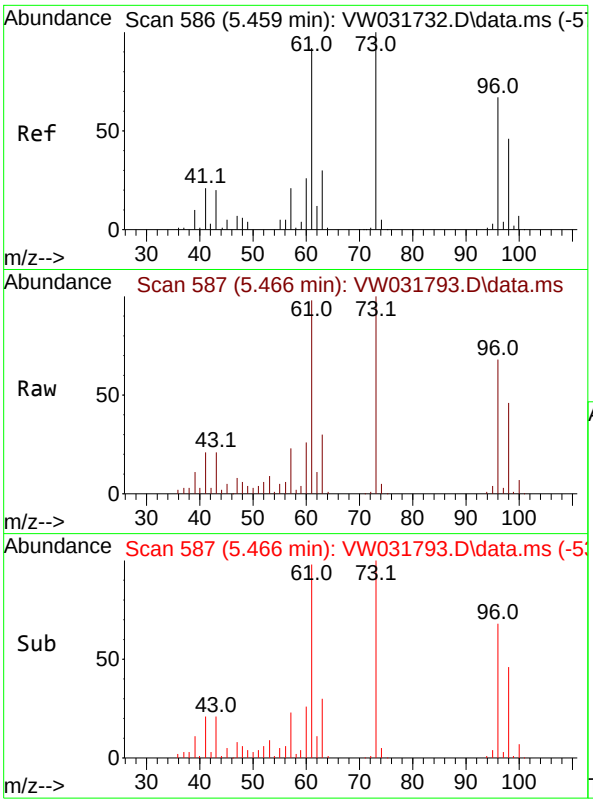


#20
Methylene Chloride
Concen: 24.344 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 84 Resp: 86741

Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.4
51	36.7	29.8	44.8
86	62.1	49.5	74.3

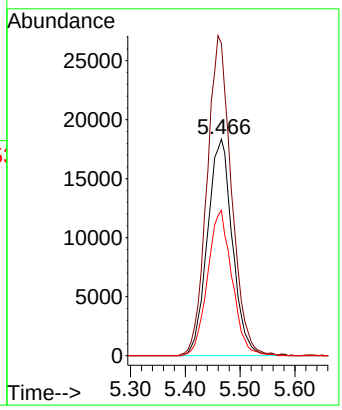




#21
trans-1,2-Dichloroethene
Concen: 20.080 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 96 Resp: 5791

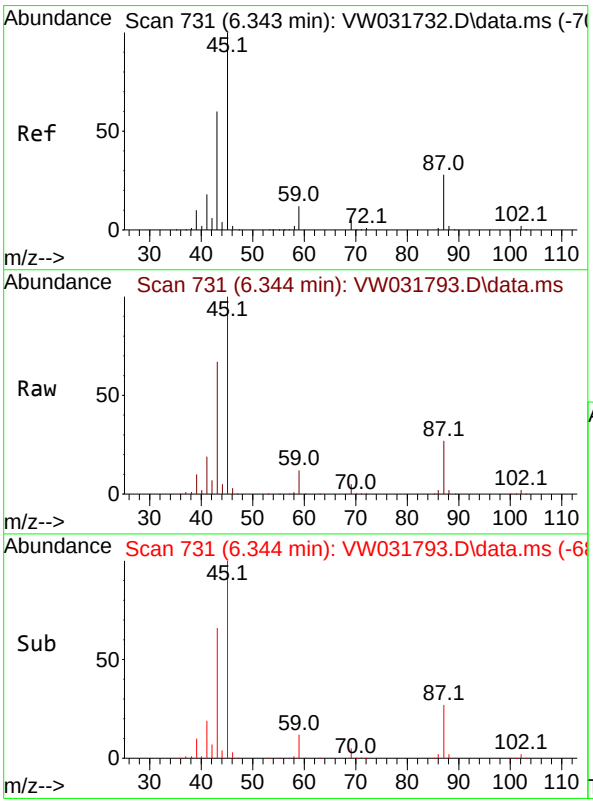
Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.8	164.6
98	67.2	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
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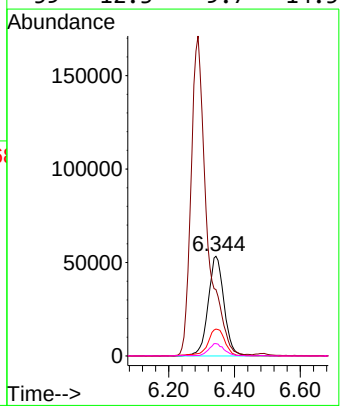
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

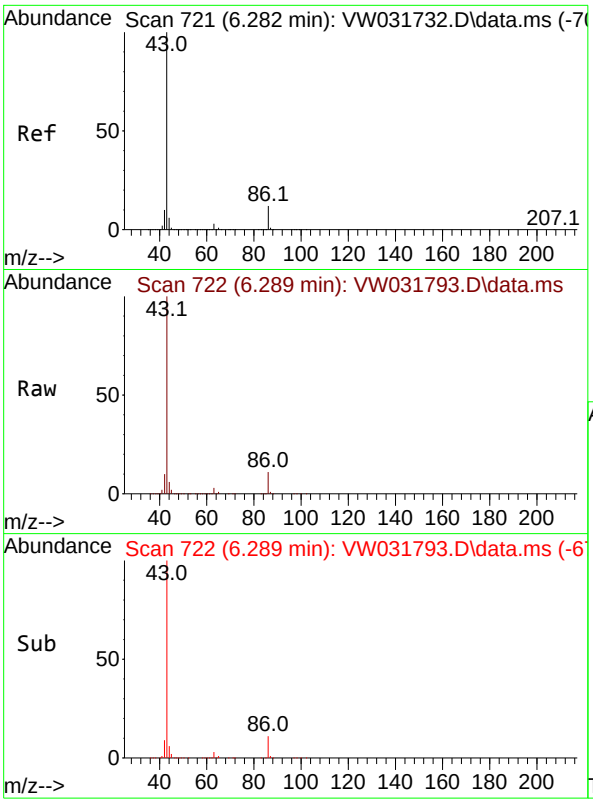


#22
Diisopropyl ether
Concen: 22.036 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 45 Resp: 178983

Ion	Ratio	Lower	Upper
45	100		
43	66.0	48.3	72.5
87	27.0	22.6	34.0
59	12.3	9.7	14.5

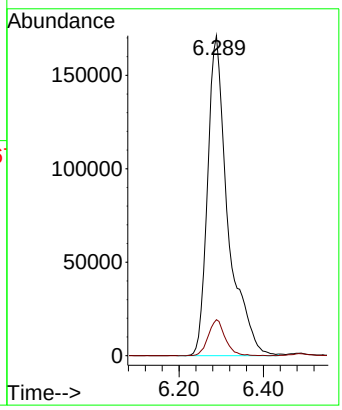




#23
Vinyl Acetate
Concen: 103.404 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 57368

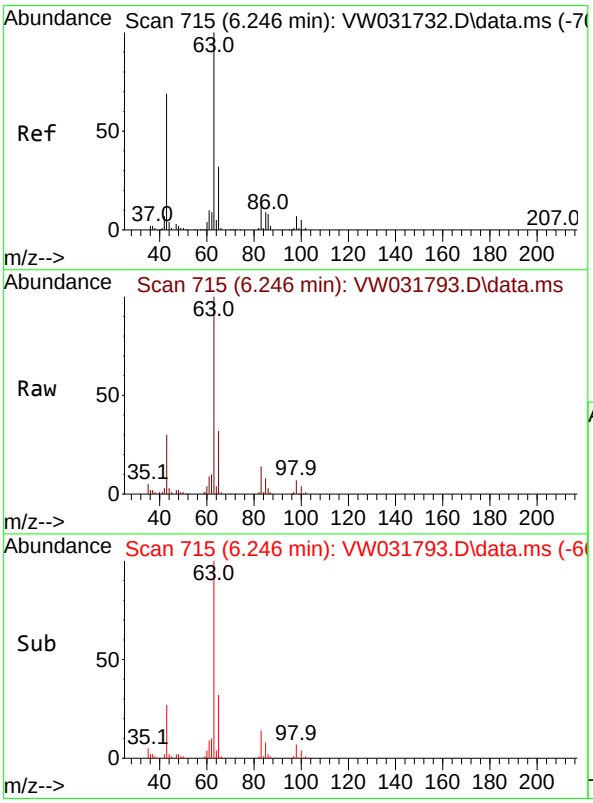
Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
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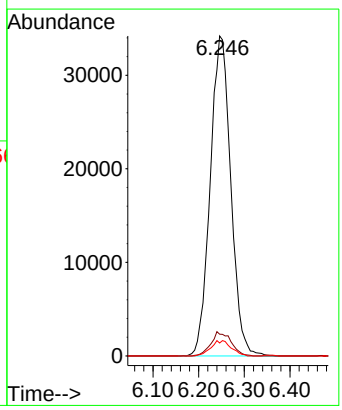
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

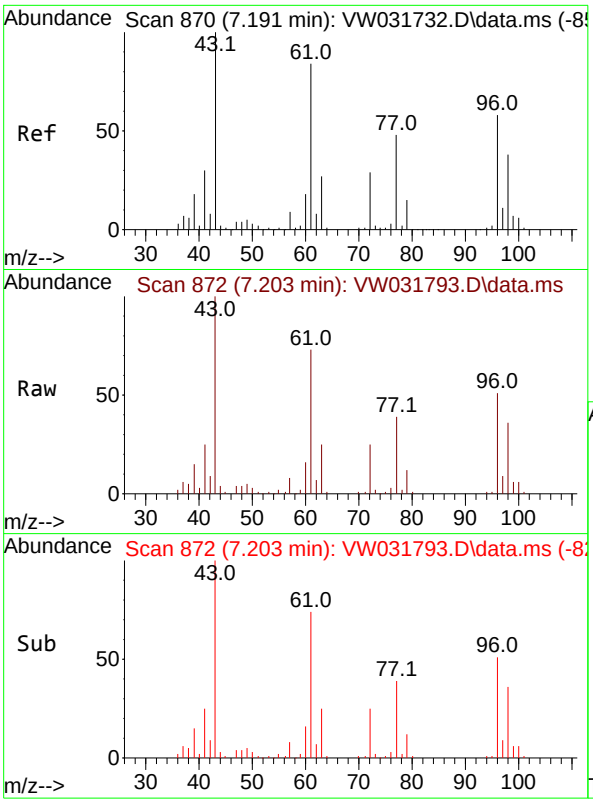


#24
1,1-Dichloroethane
Concen: 20.333 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 63 Resp: 107072

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.1	2.5	7.5

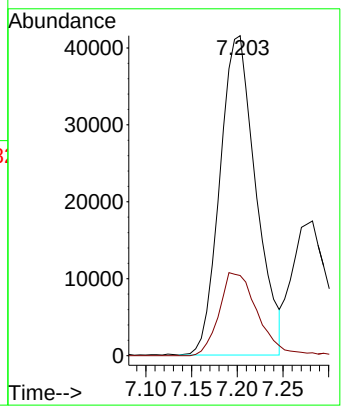




#25
2-Butanone
Concen: 108.215 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 11376

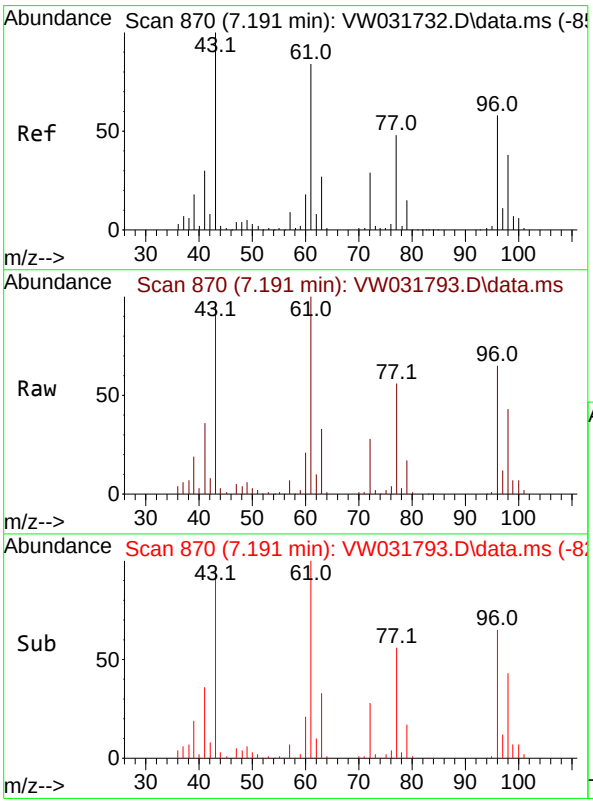
Ion	Ratio	Lower	Upper
43	100		
72	25.1	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

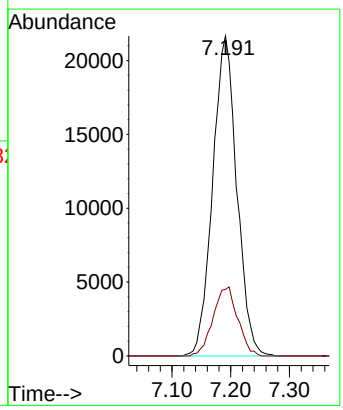
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

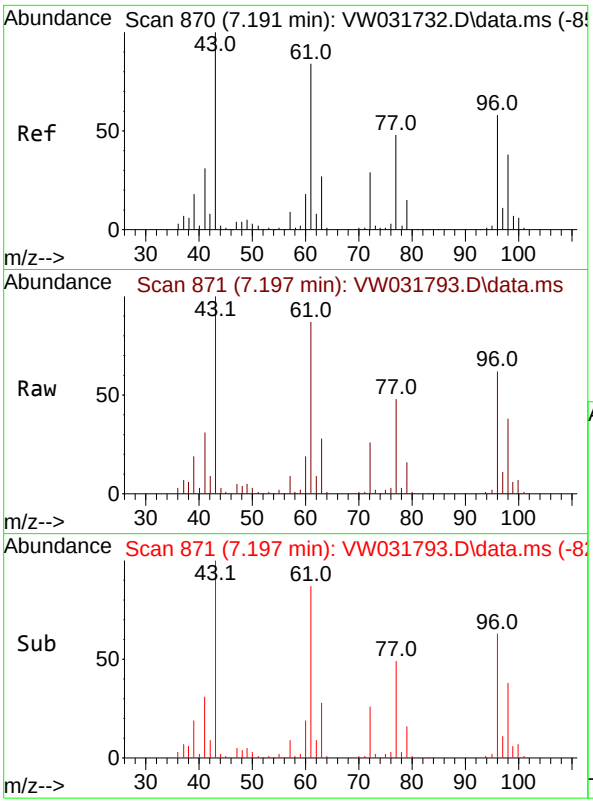


#26
2,2-Dichloropropane
Concen: 20.117 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 77 Resp: 61808

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.6	34.7

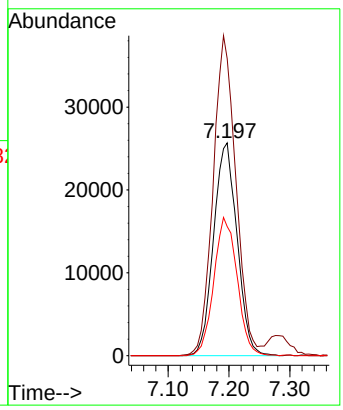




#27
cis-1,2-Dichloroethene
Concen: 20.767 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 96 Resp: 6885

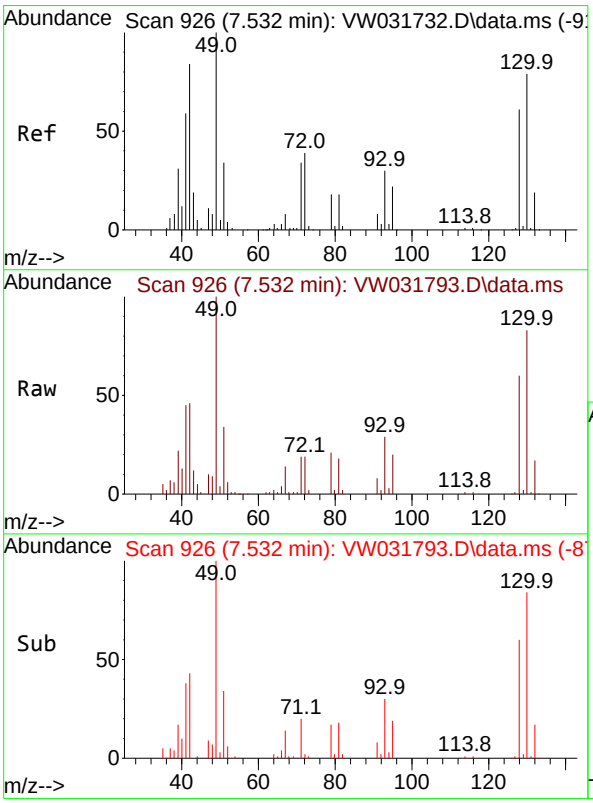
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	286.8
98	64.6	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

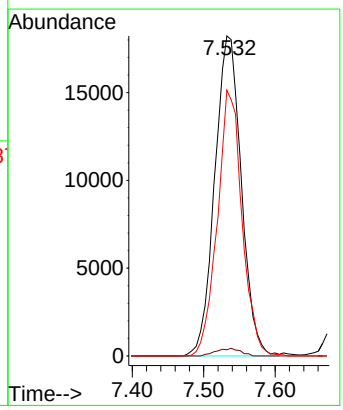
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

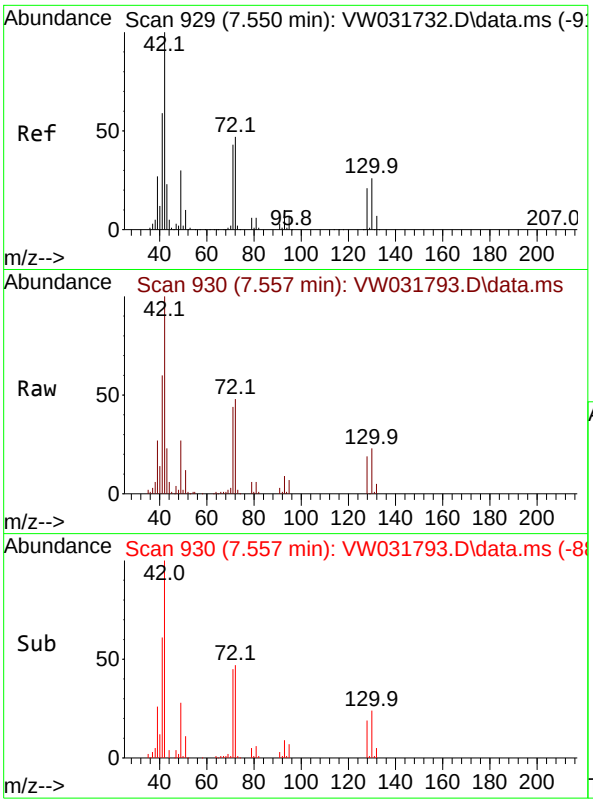


#28
Bromochloromethane
Concen: 20.197 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 49 Resp: 46935

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	77.2	61.3	91.9

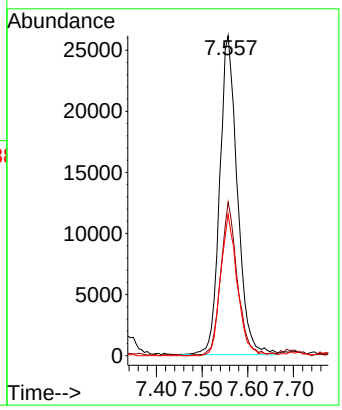




#29
Tetrahydrofuran
Concen: 97.711 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 42 Resp: 7034

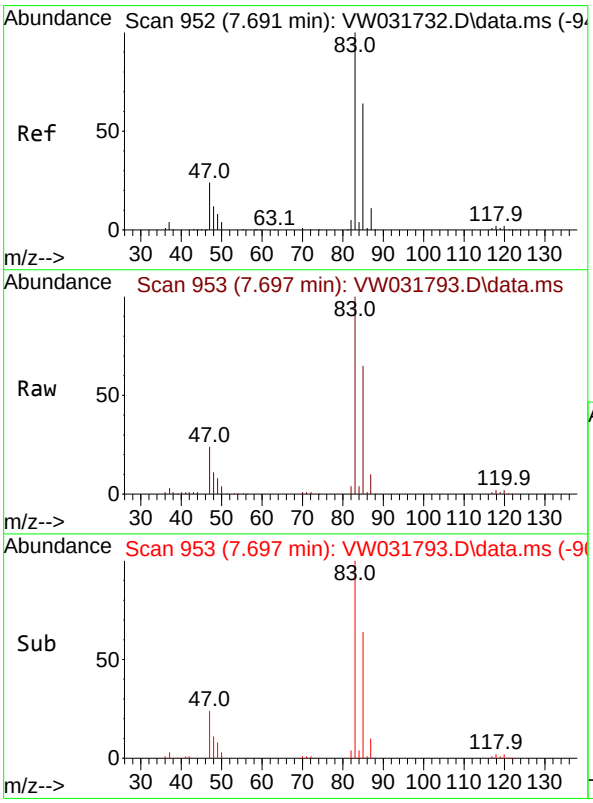
Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.8	55.2
71	41.7	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

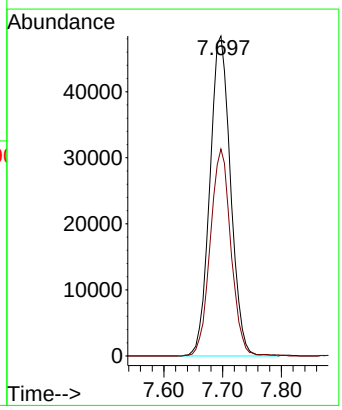
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

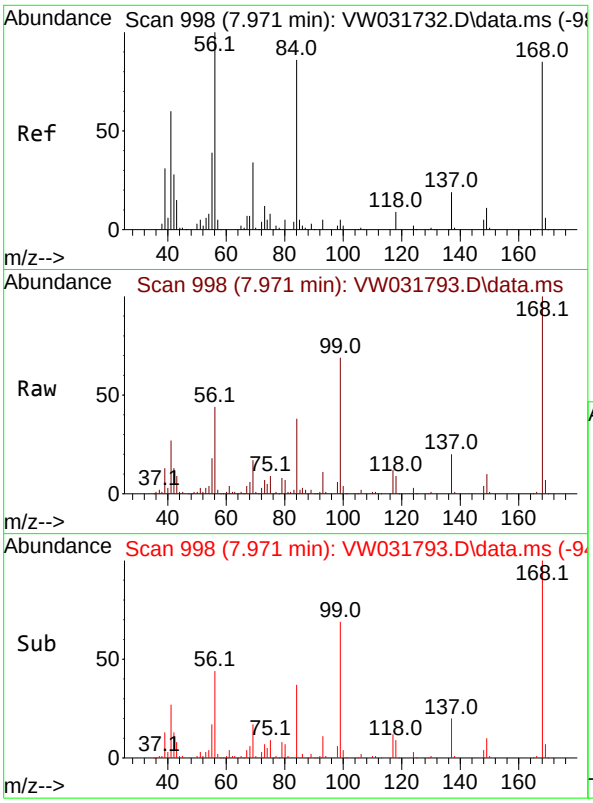


#30
Chloroform
Concen: 21.182 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 83 Resp: 118527

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0

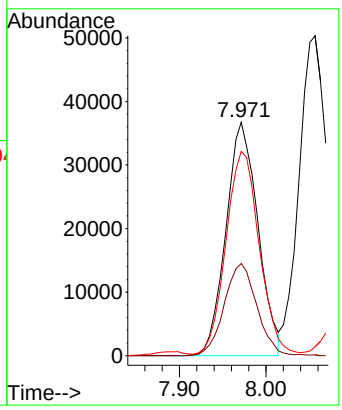




#31
Cyclohexane
Concen: 20.229 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 56 Resp: 9416

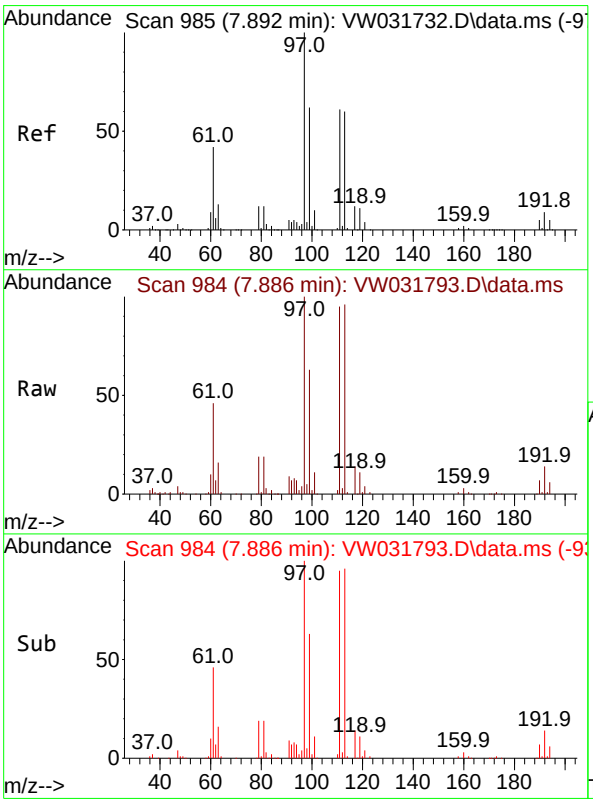
Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.2	40.8
84	85.9	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

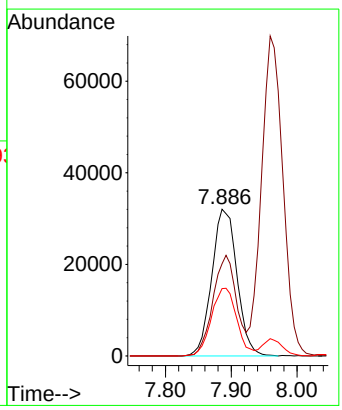
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

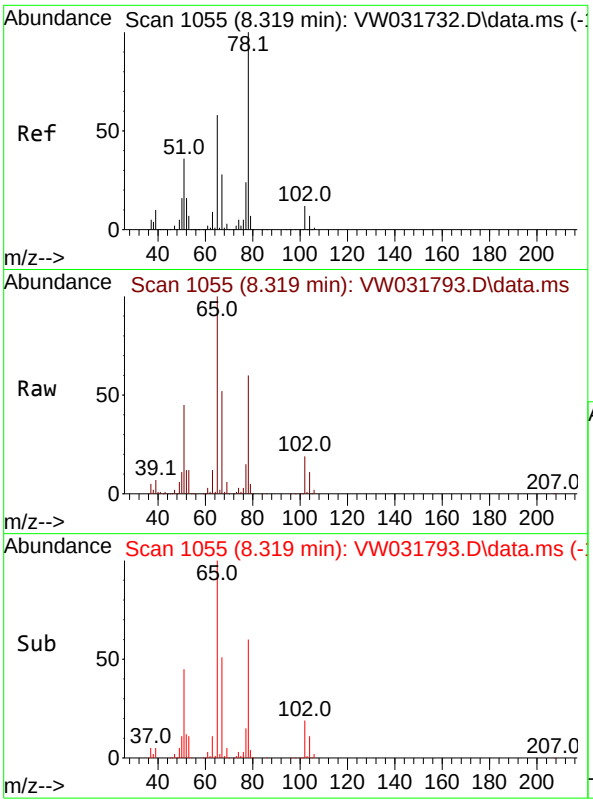


#32
1,1,1-Trichloroethane
Concen: 19.778 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 97 Resp: 85287

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	46.5	36.0	54.0

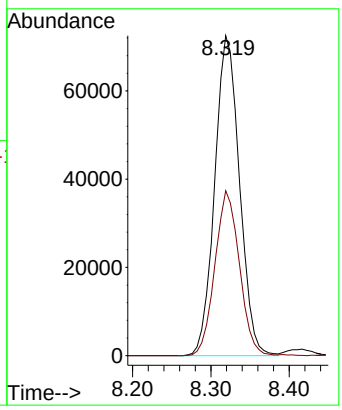




#33
1,2-Dichloroethane-d4
Concen: 48.786 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 65 Resp: 15949

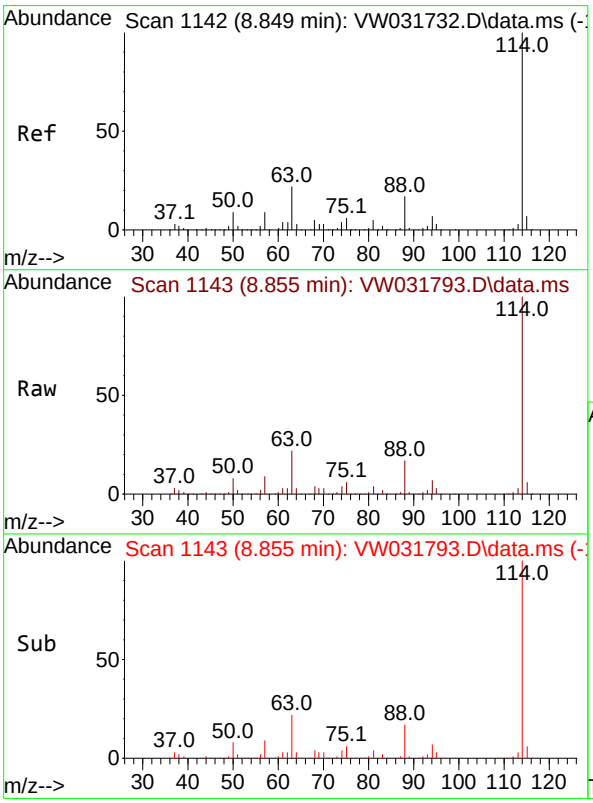
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations APPROVED

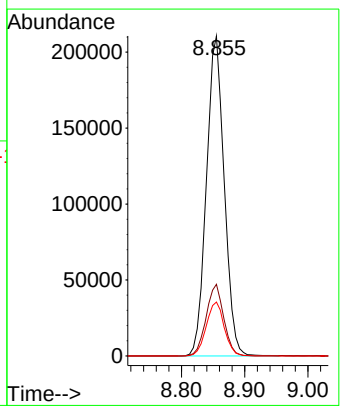
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

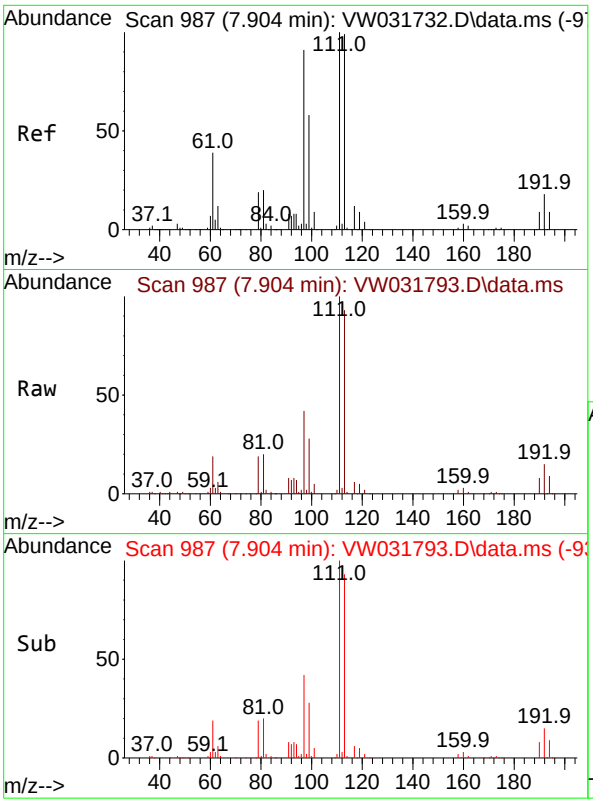


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:114 Resp: 411611

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.6
88	16.9	0.0	34.2

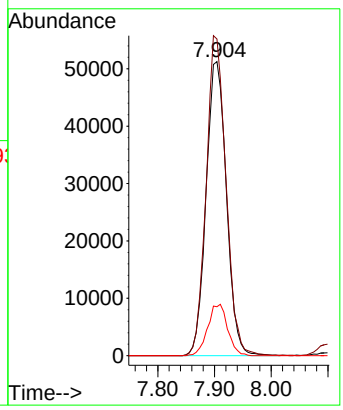




#35
Dibromofluoromethane
Concen: 47.578 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:113 Resp: 12779

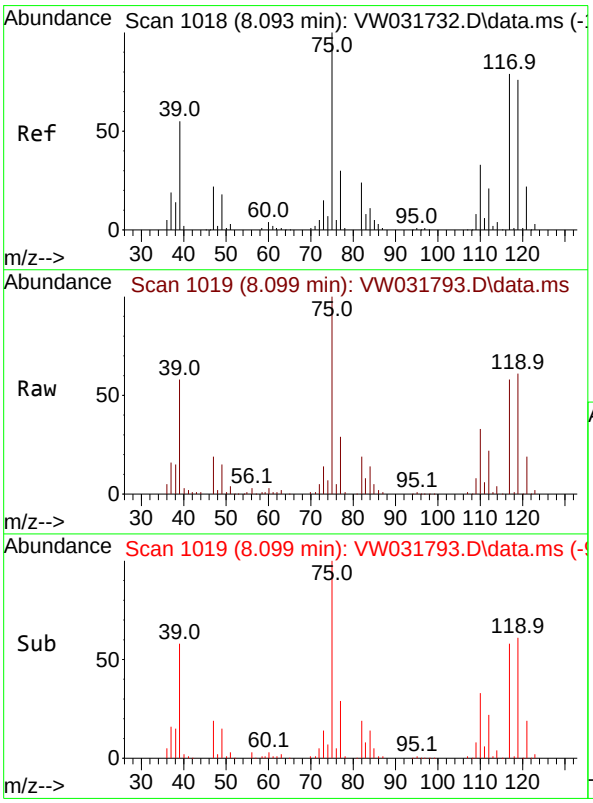
Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.1	123.1
192	17.1	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

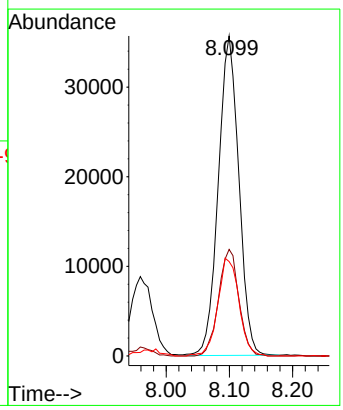
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

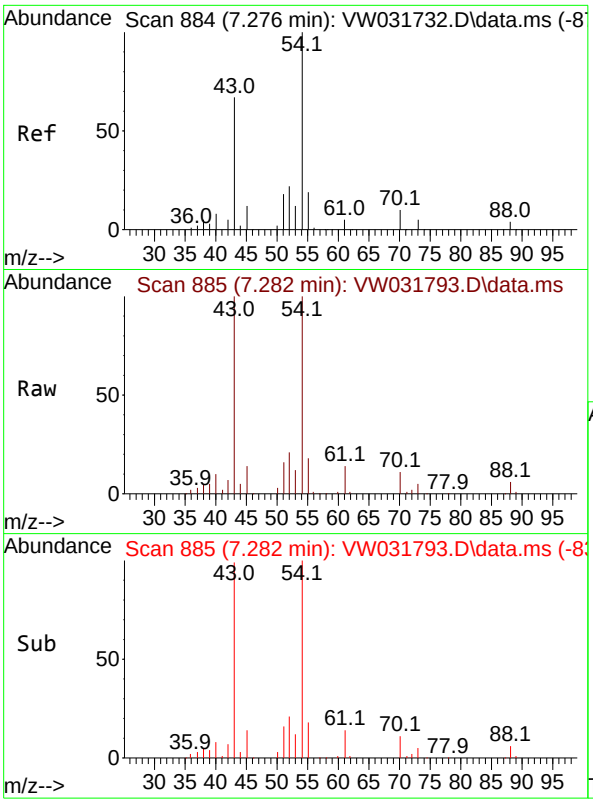


#36
1,1-Dichloropropene
Concen: 20.643 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 80231

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.8	50.4
77	31.5	25.0	37.6

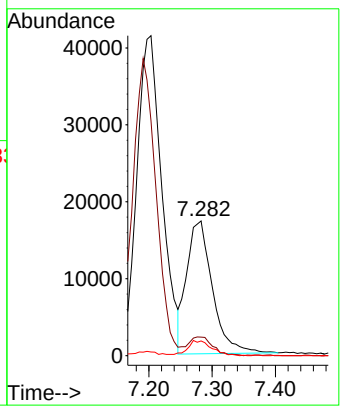




#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 7.282 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 4910

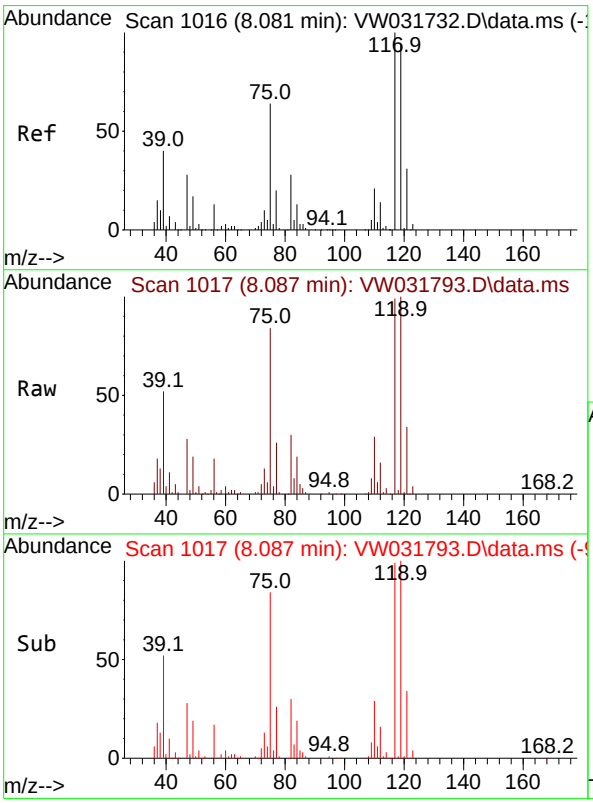
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	10.3	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

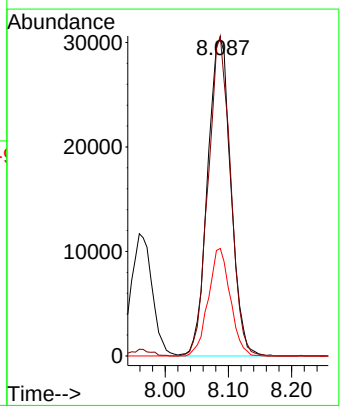
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

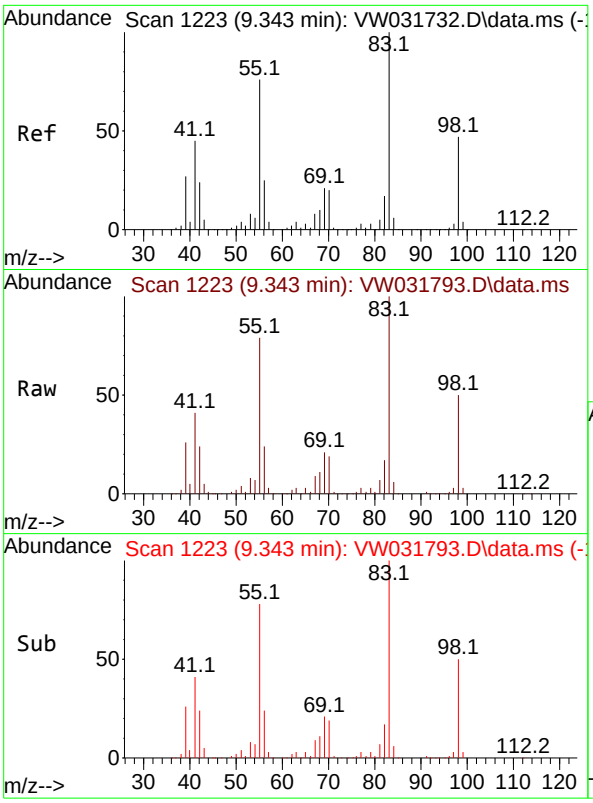


#38
Carbon Tetrachloride
Concen: 19.590 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:117 Resp: 77589

Ion	Ratio	Lower	Upper
117	100		
119	100.9	75.0	112.6
121	33.9	24.6	37.0

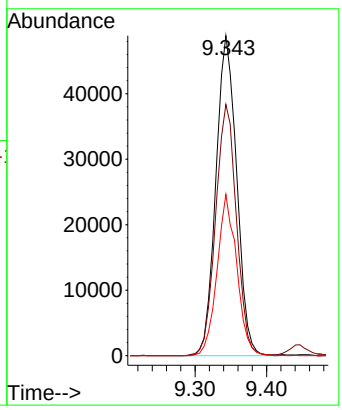




#39
Methylcyclohexane
Concen: 20.397 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 83 Resp: 9863

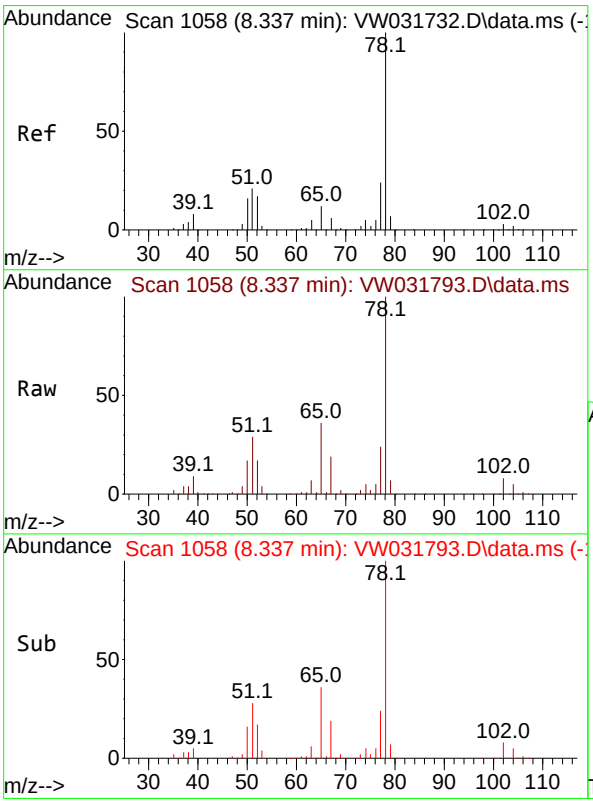
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	50.4	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

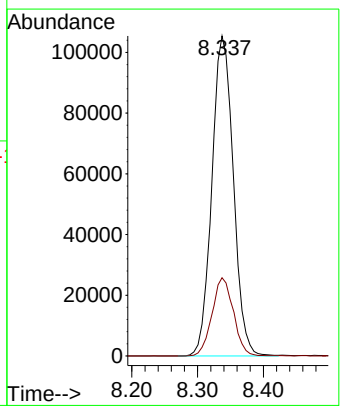
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

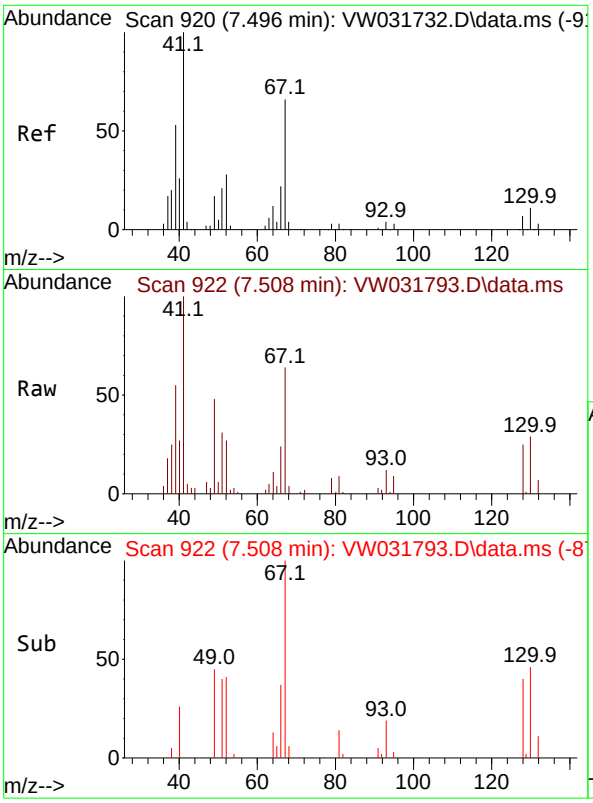


#40
Benzene
Concen: 20.830 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 78 Resp: 239525

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8

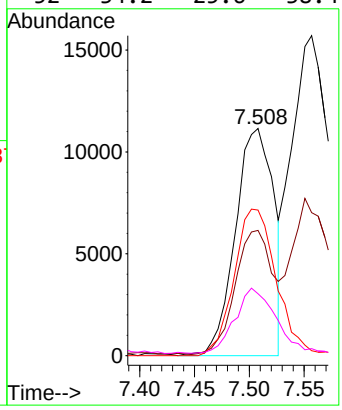




#41
Methacrylonitrile
Concen: 20.644 ug/l
RT: 7.508 min Scan# 9
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 41 Resp: 2711

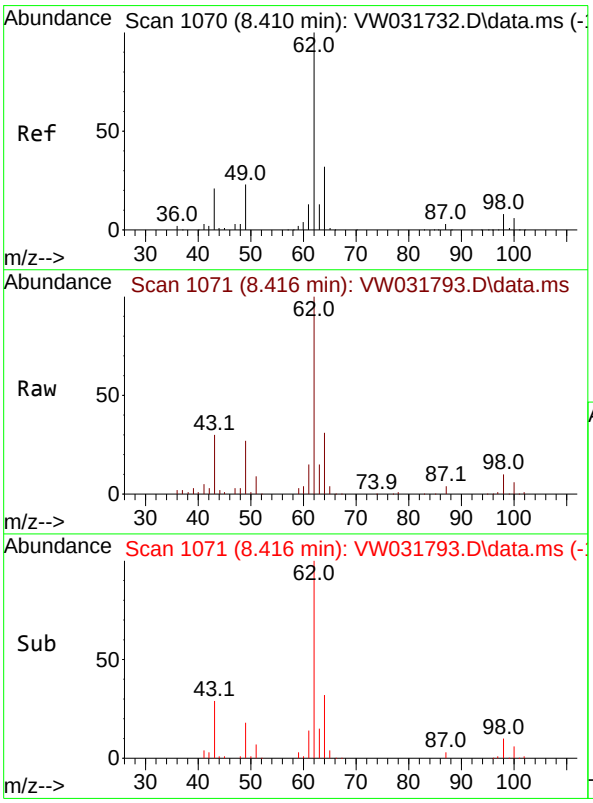
Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.2	64.8
67	71.3	58.1	87.1
52	34.2	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

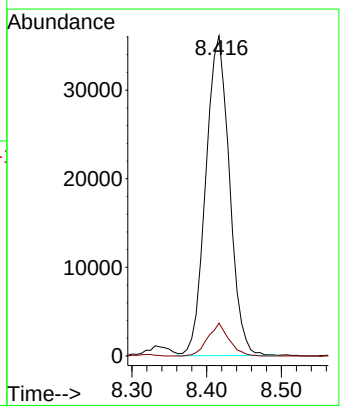
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

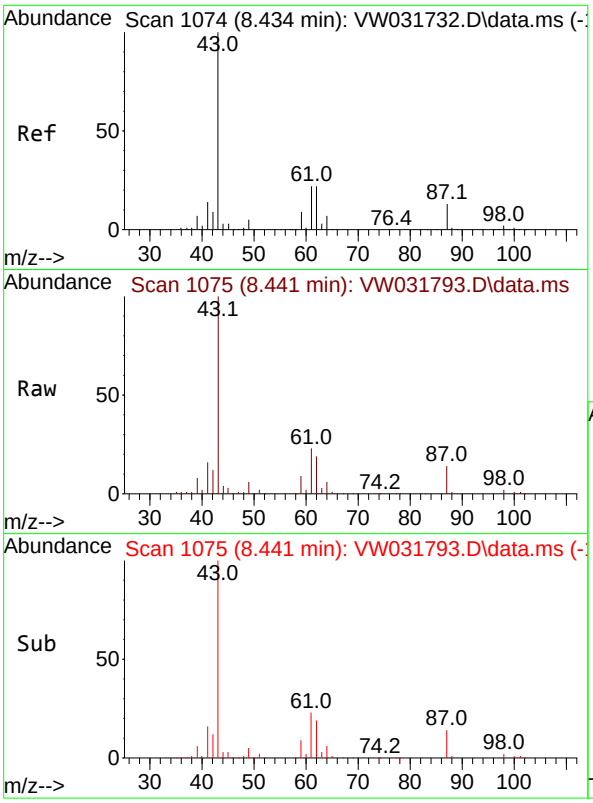


#42
1,2-Dichloroethane
Concen: 20.448 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 62 Resp: 79451

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2

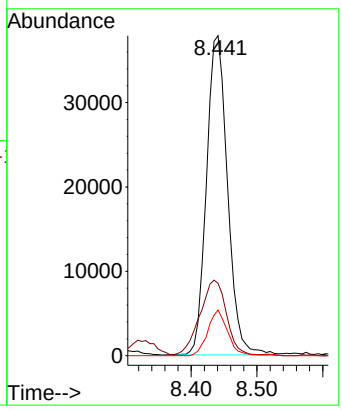




#43
Isopropyl Acetate
Concen: 19.959 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 8435

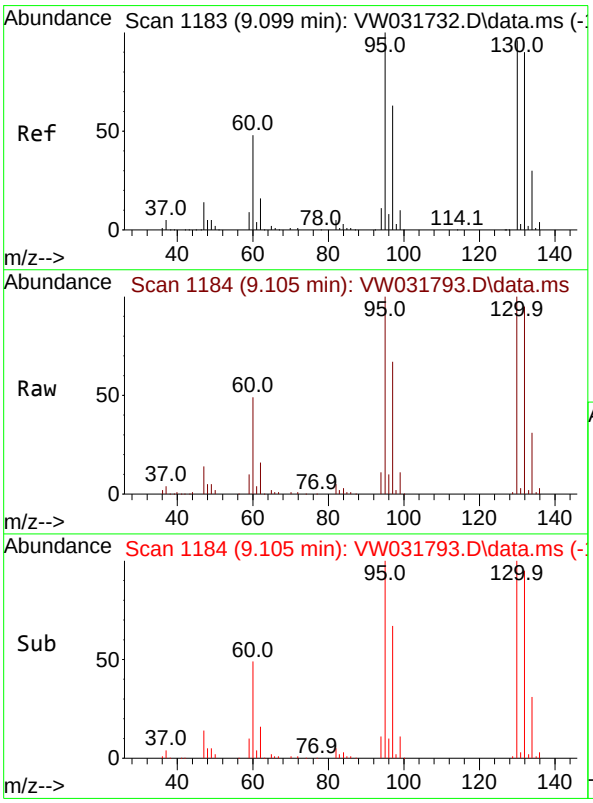
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.1	34.7
87	13.5	10.8	16.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

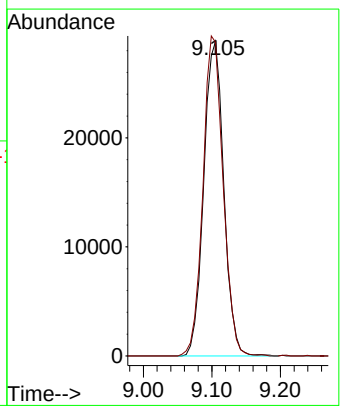
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

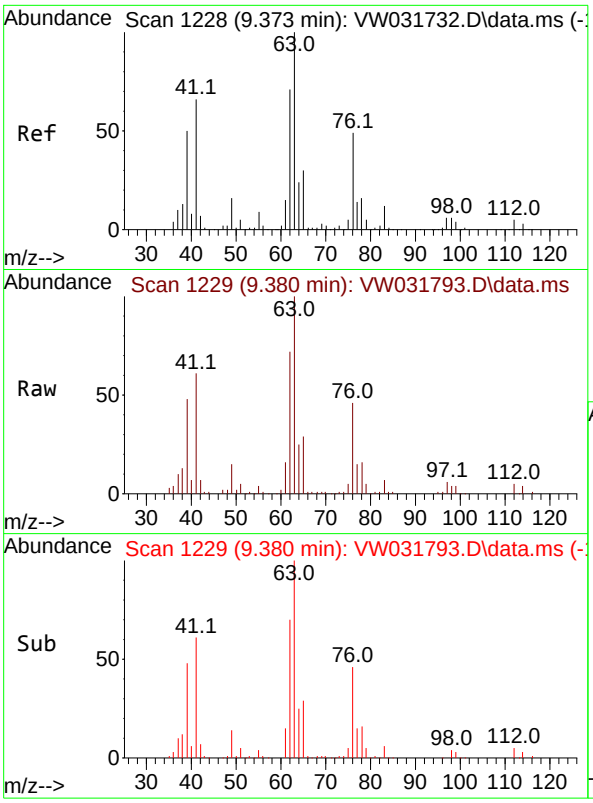


#44
Trichloroethene
Concen: 20.438 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:130 Resp: 58660

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	208.6

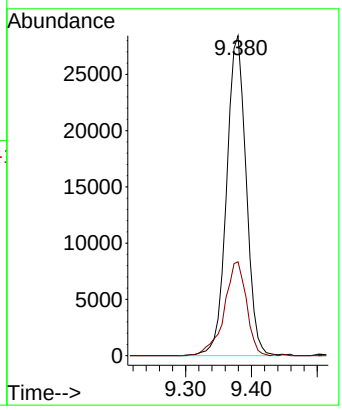




#45
1,2-Dichloropropane
Concen: 21.145 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 63 Resp: 5876

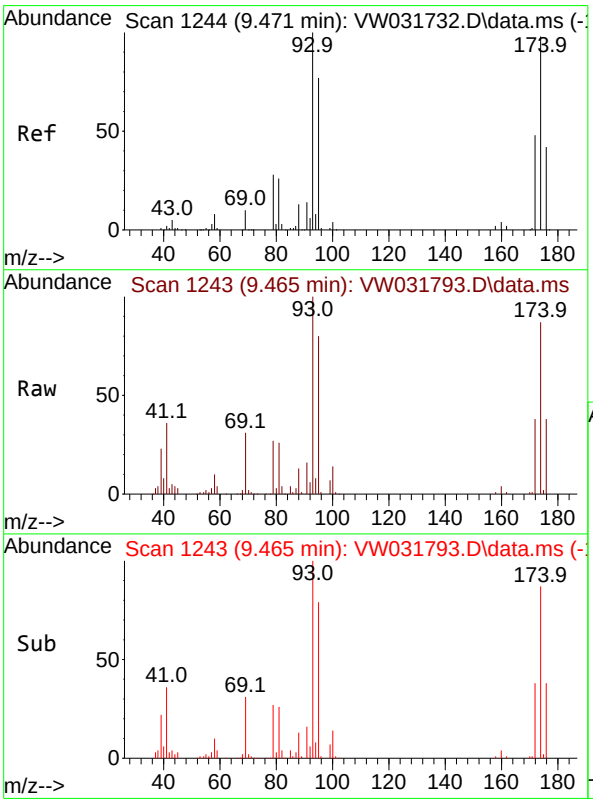
Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

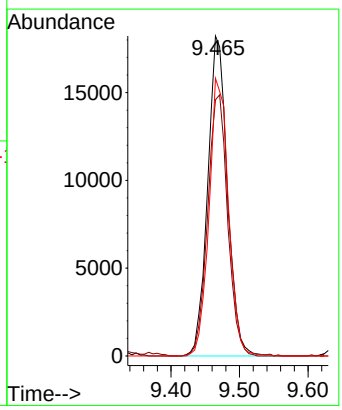
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

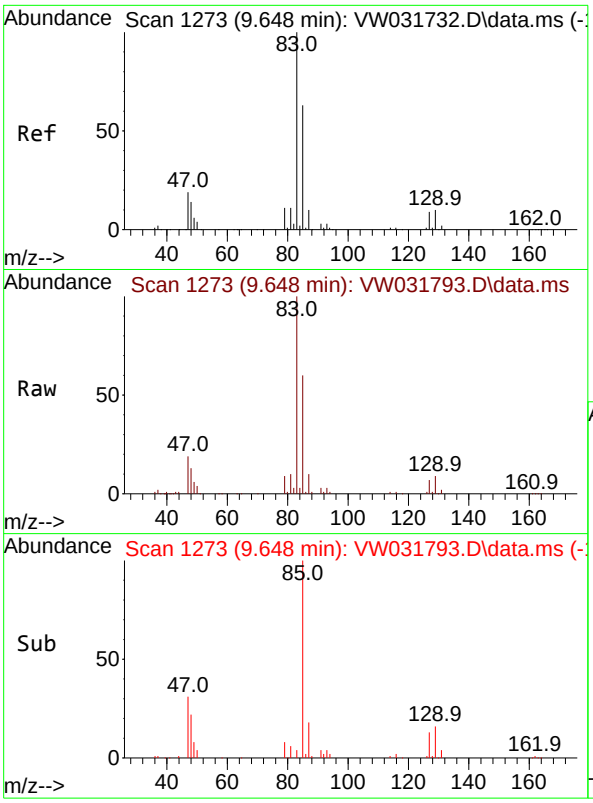


#46
Dibromomethane
Concen: 20.254 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 93 Resp: 36342

Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.0	100.4
174	85.9	71.7	107.5

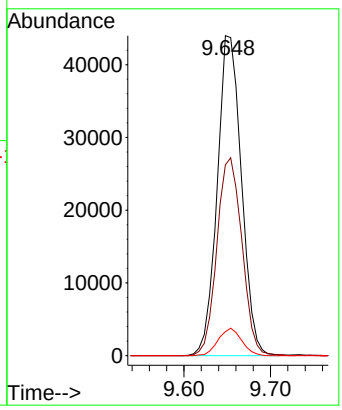




#47
Bromodichloromethane
Concen: 20.298 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 83 Resp: 8540

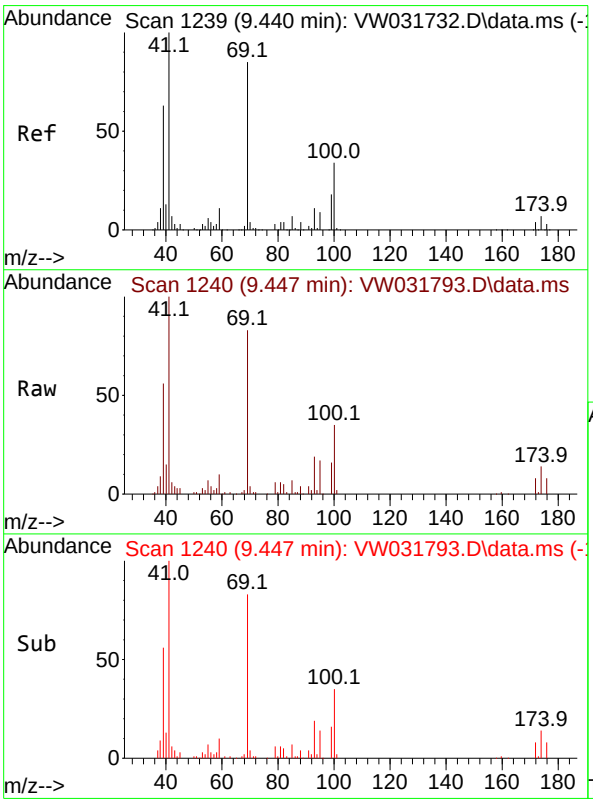
Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.8	76.2
127	7.5	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

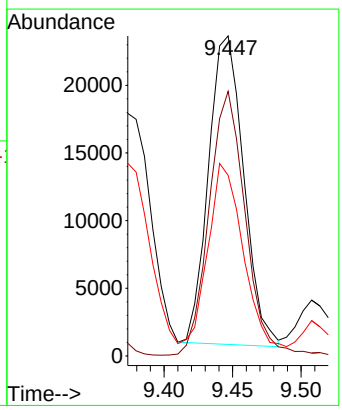
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

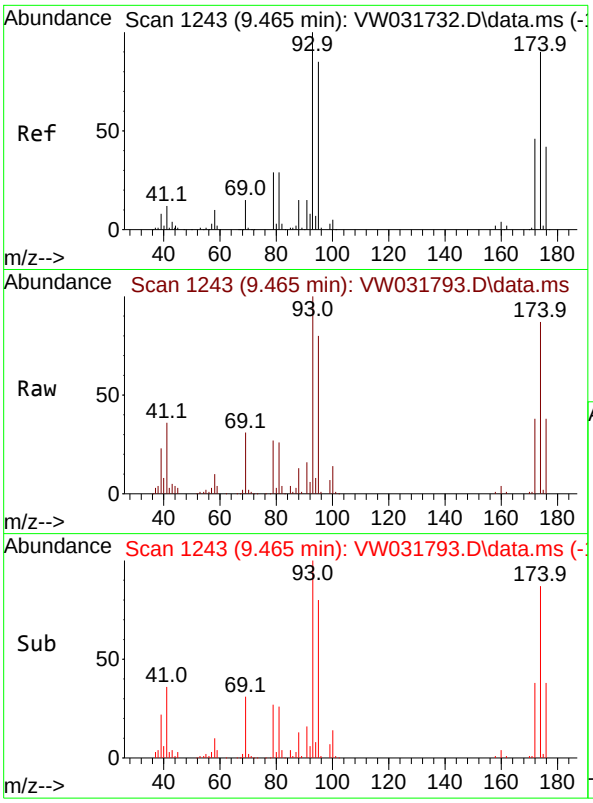


#48
Methyl methacrylate
Concen: 19.576 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 41 Resp: 40682

Ion	Ratio	Lower	Upper
41	100		
69	88.5	71.6	107.4
39	58.5	49.5	74.3

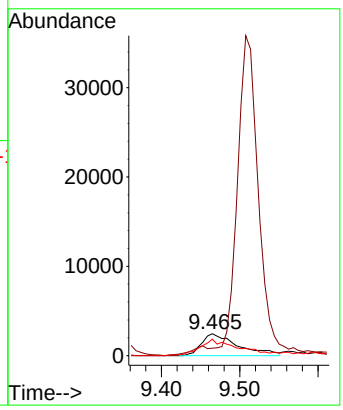




#49
1,4-Dioxane
Concen: 379.166 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 88 Resp: 796

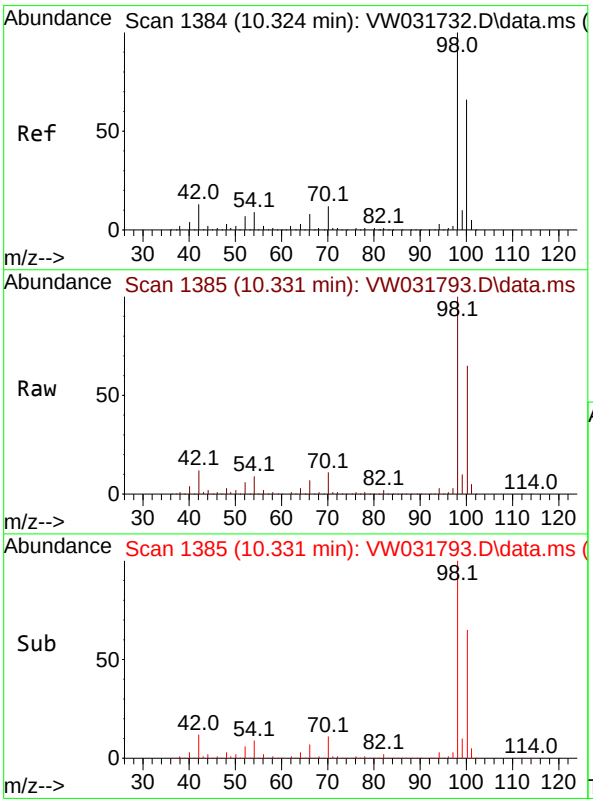
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.7	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

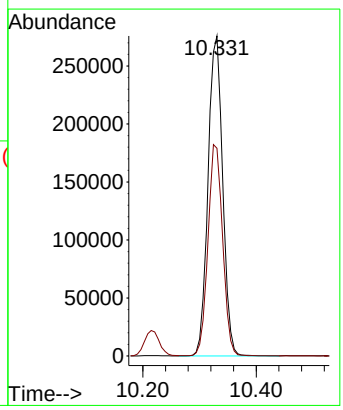
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

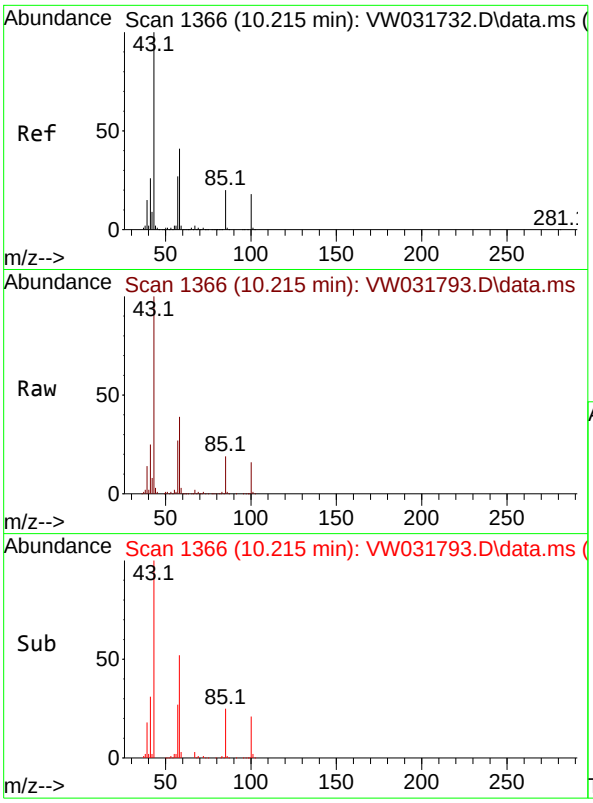


#50
Toluene-d8
Concen: 49.312 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 98 Resp: 492896

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 100.395 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

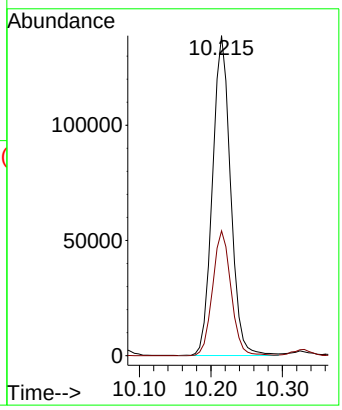
Tgt Ion: 43 Resp: 24393

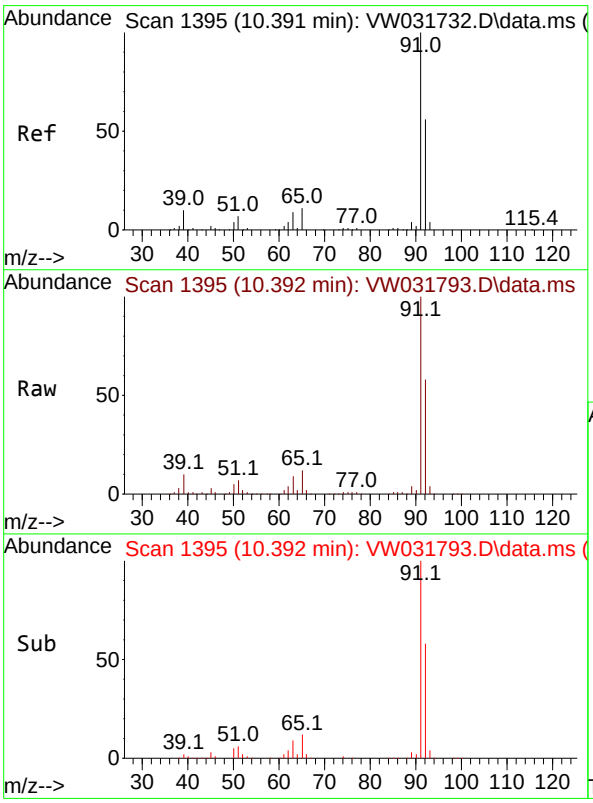
Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.2

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

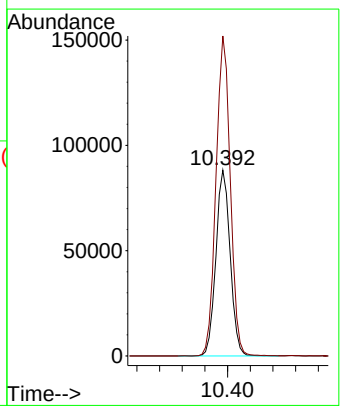


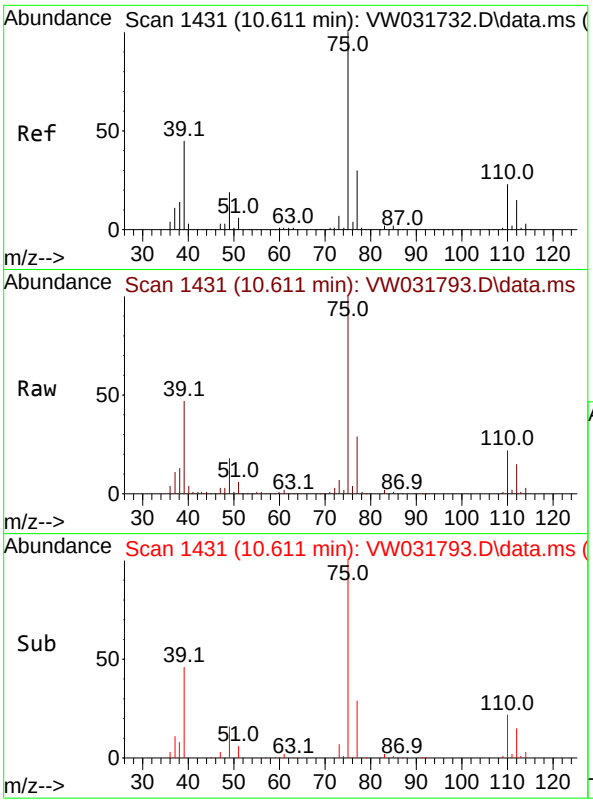


#52
Toluene
Concen: 20.886 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 92 Resp: 153770

Ion	Ratio	Lower	Upper
92	100		
91	172.6	139.5	209.3

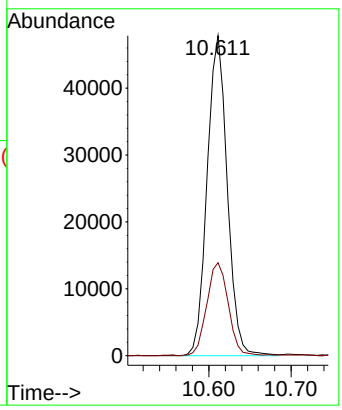




#53
t-1,3-Dichloropropene
Concen: 20.605 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 8134

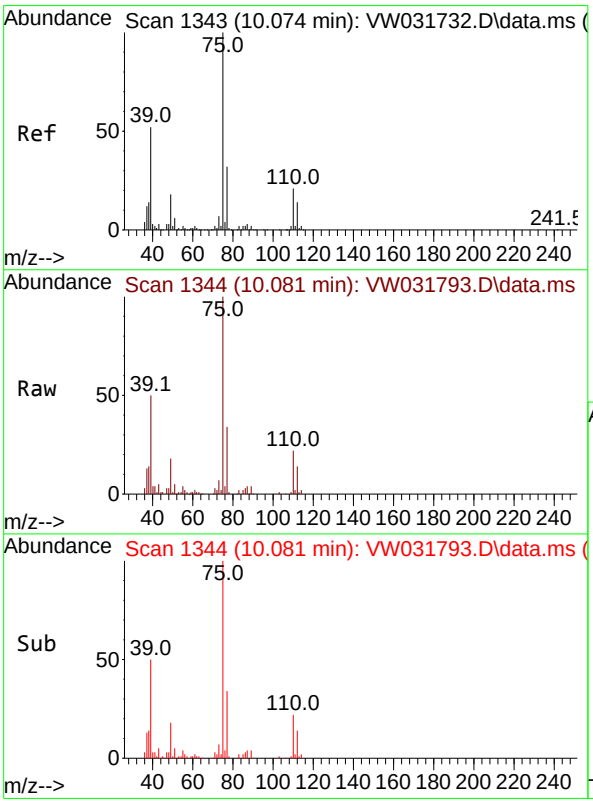
Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

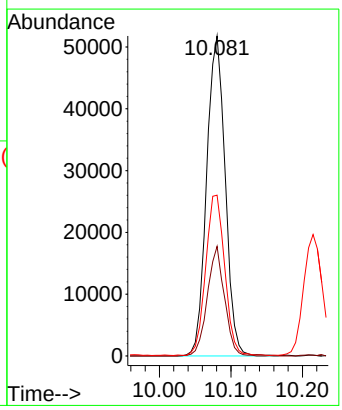
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

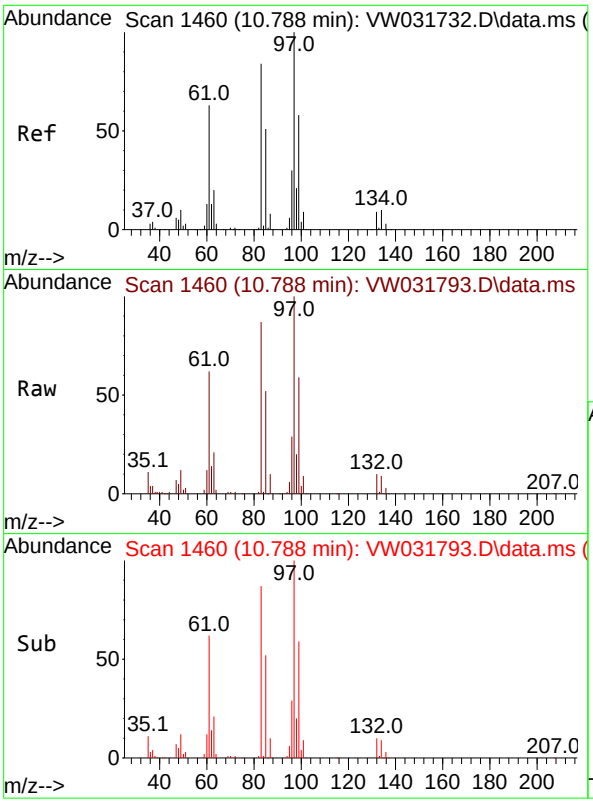


#54
cis-1,3-Dichloropropene
Concen: 20.867 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 93385

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.2
39	50.0	41.8	62.6

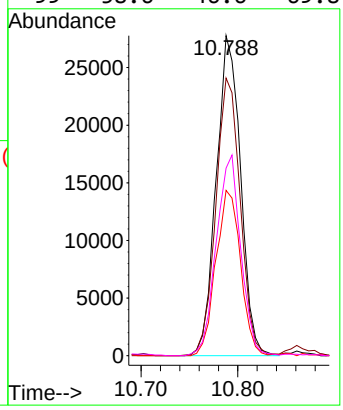




#55
1,1,2-Trichloroethane
Concen: 20.611 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 97 Resp: 4844

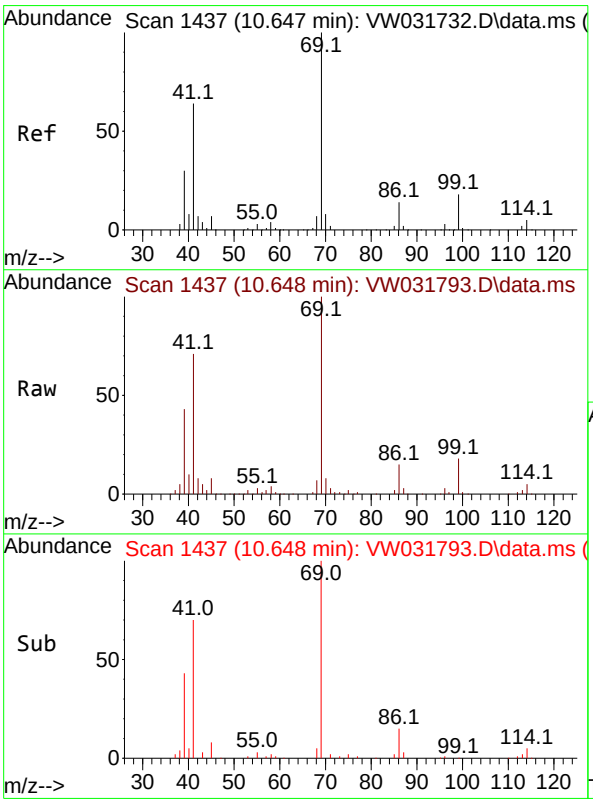
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.9	100.3
85	51.7	41.1	61.7
99	58.6	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

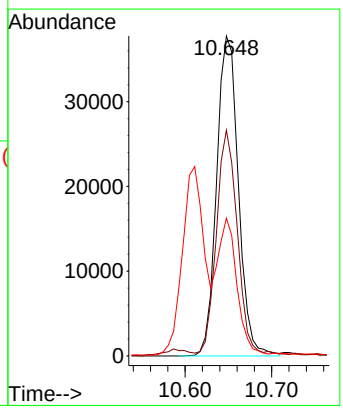
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

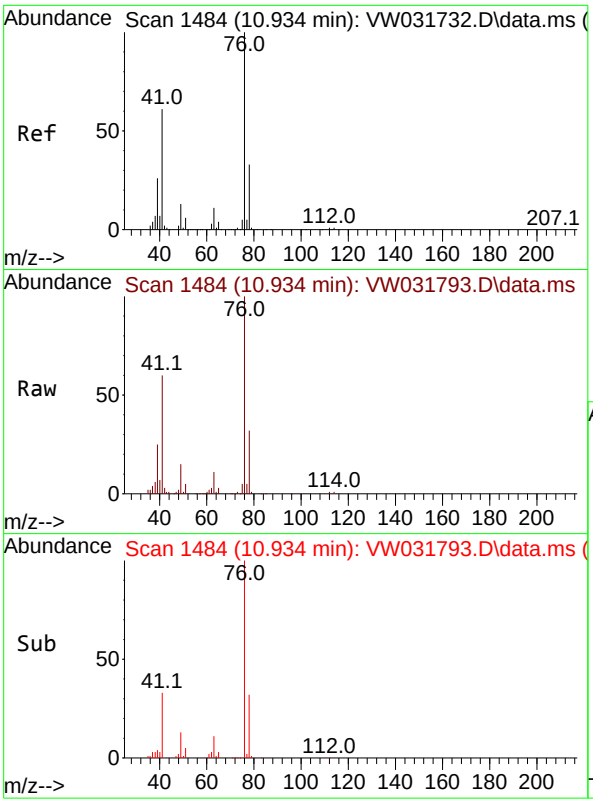


#56
Ethyl methacrylate
Concen: 20.656 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 69 Resp: 65863

Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.3	79.9
39	38.1	30.2	45.2

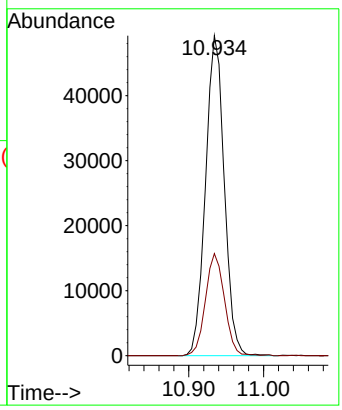




#57
1,3-Dichloropropane
Concen: 20.724 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 76 Resp: 8551

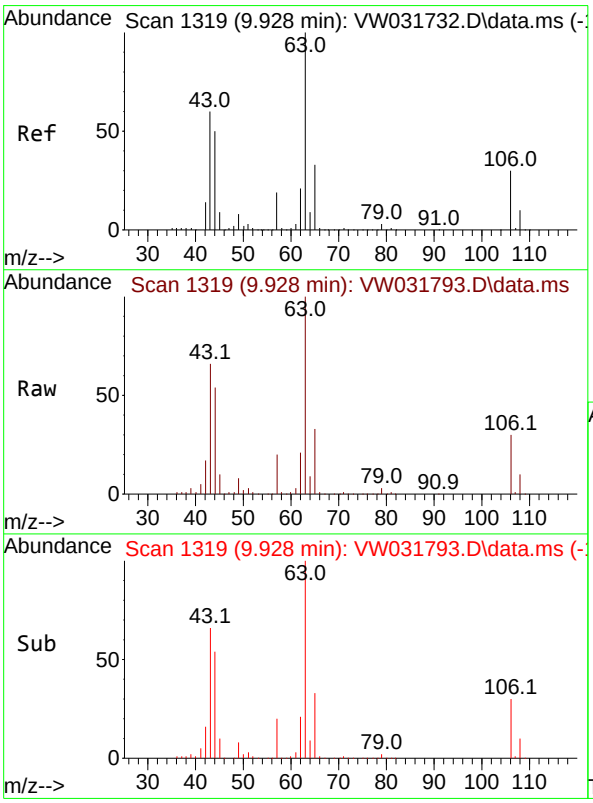
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

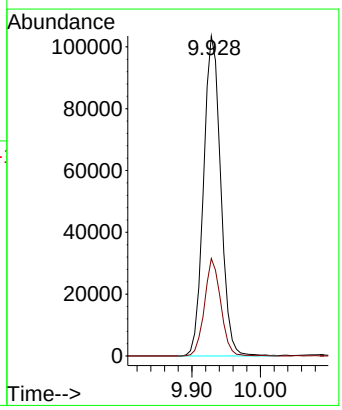
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

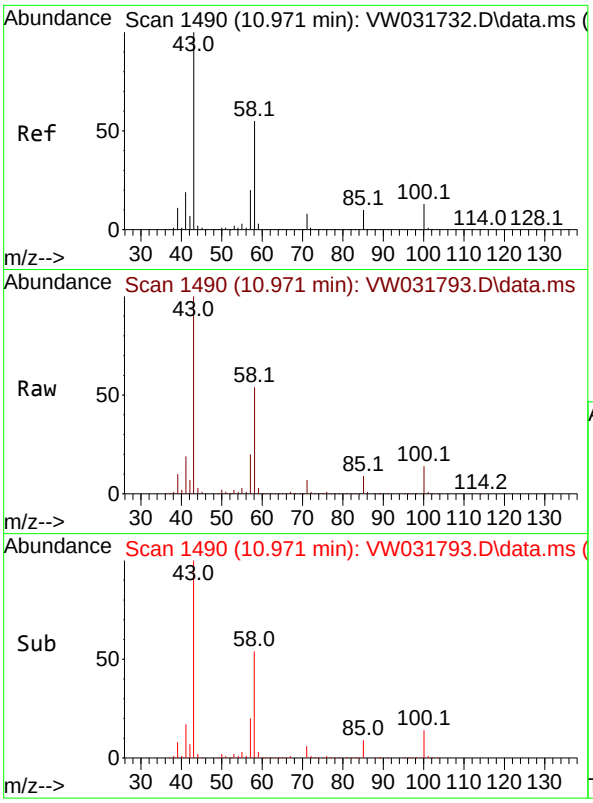


#58
2-Chloroethyl Vinyl ether
Concen: 102.926 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 63 Resp: 180719

Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.1	36.1





#59
2-Hexanone
Concen: 111.938 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

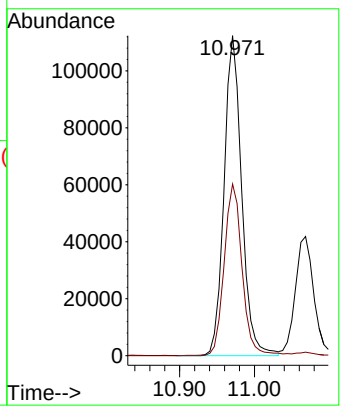
Tgt Ion: 43 Resp: 184308

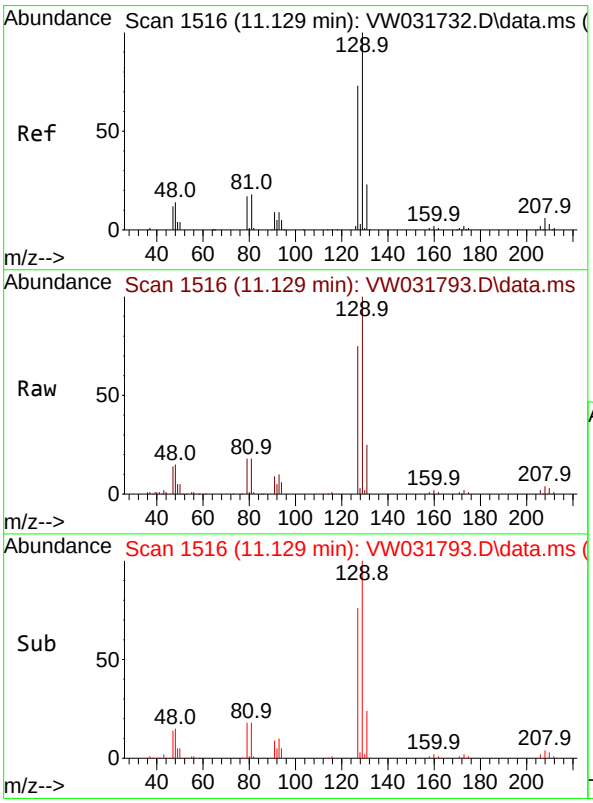
Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

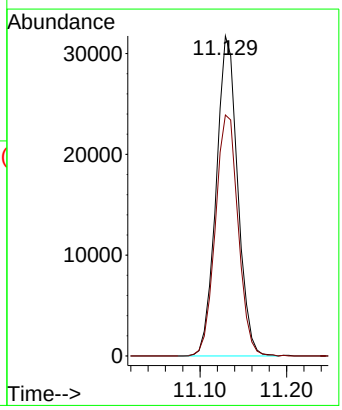


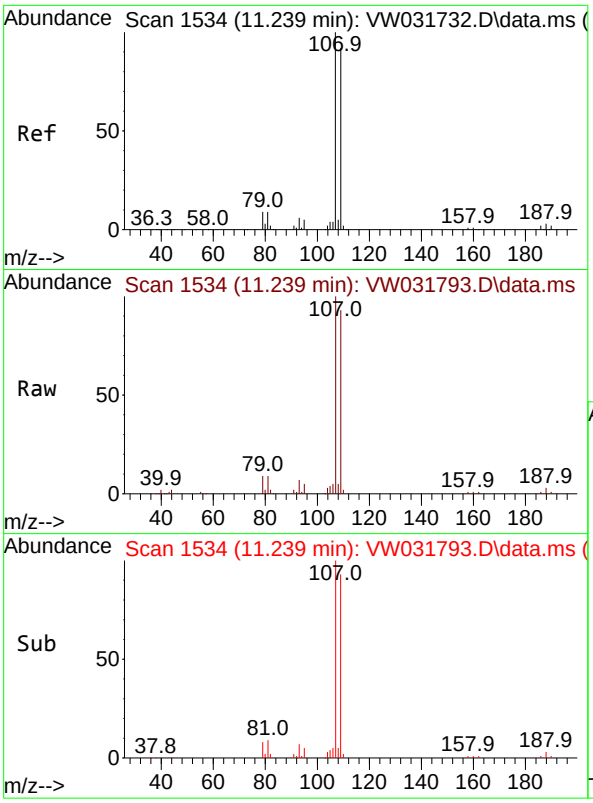


#60
Dibromochloromethane
Concen: 19.417 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:129 Resp: 54573

Ion	Ratio	Lower	Upper
129	100		
127	80.0	38.0	114.1

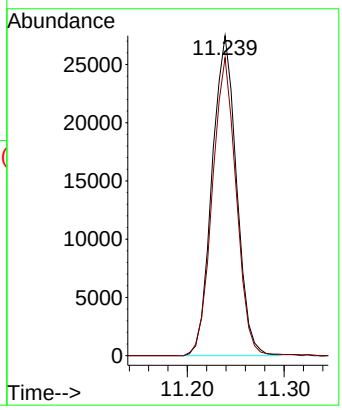




#61
1,2-Dibromoethane
Concen: 20.452 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:107 Resp: 4812

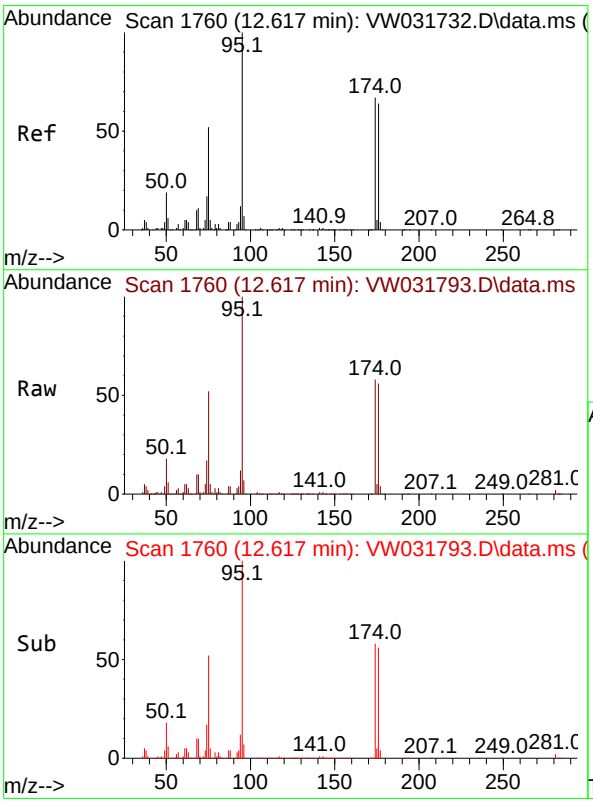
Ion	Ratio	Lower	Upper
107	100		
109	91.1	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

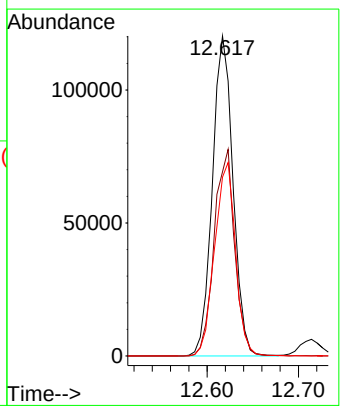
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

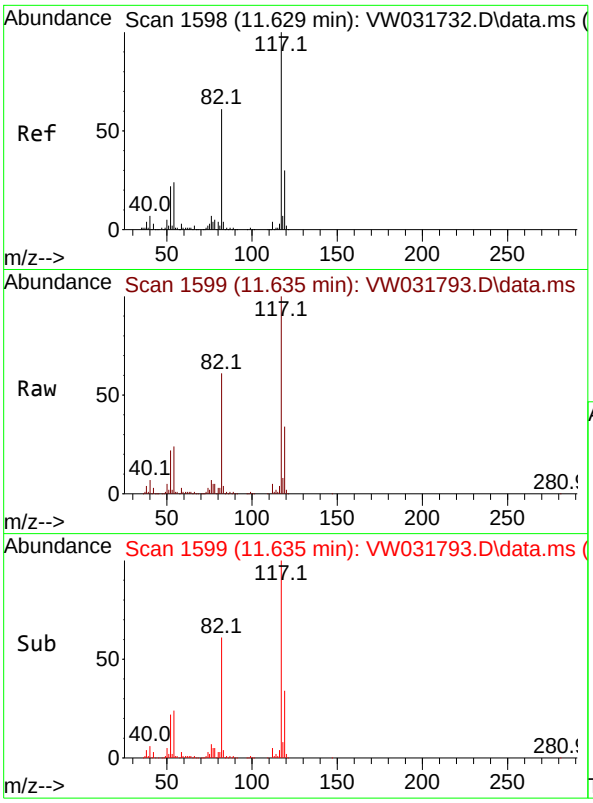


#62
4-Bromofluorobenzene
Concen: 51.317 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 95 Resp: 188760

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	133.8
176	61.5	0.0	126.0

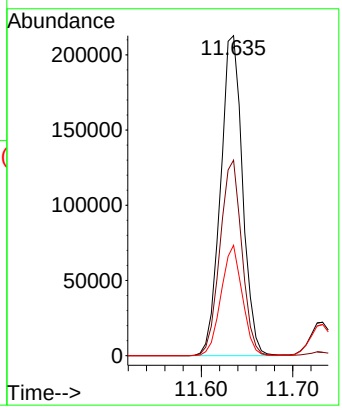




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:117 Resp: 35630

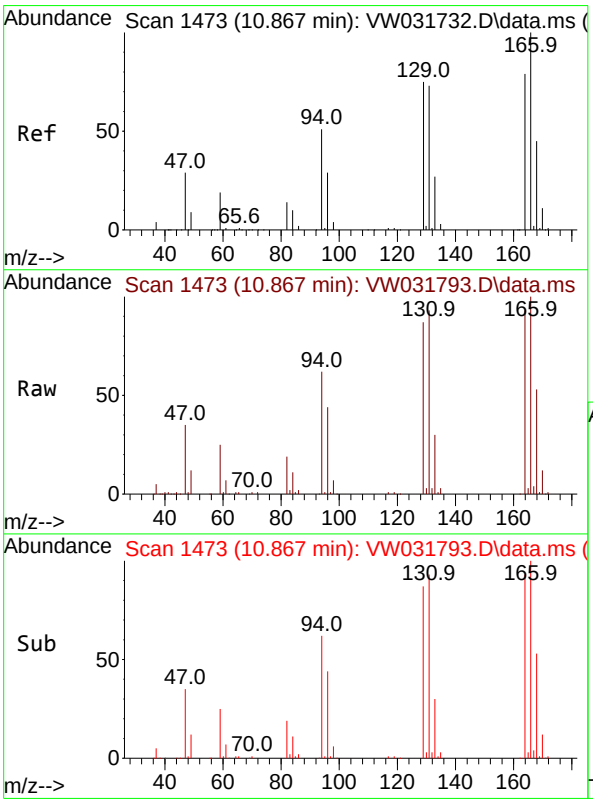
Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	72.8
119	34.5	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
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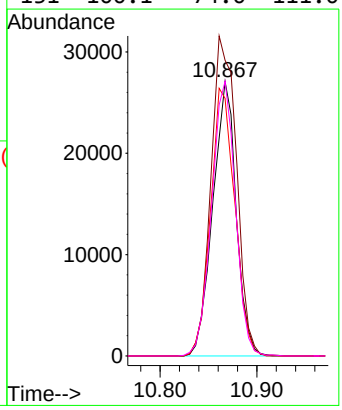
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

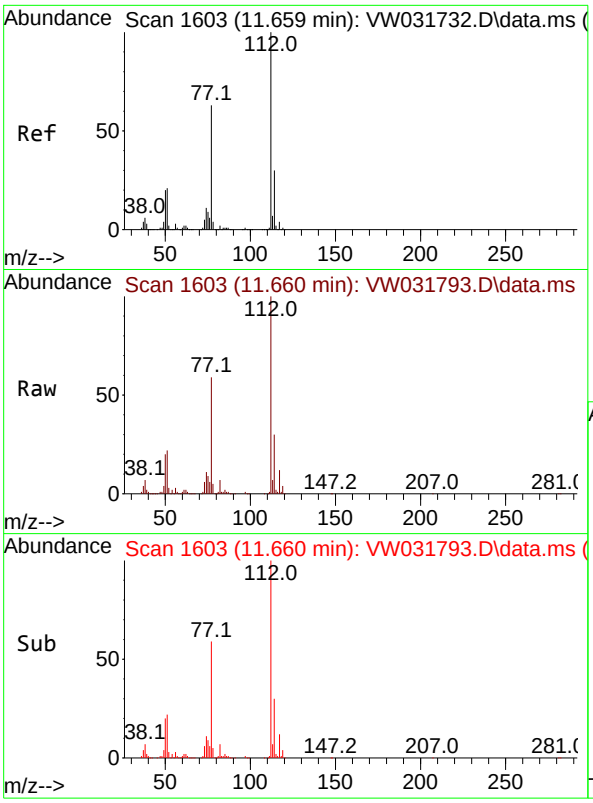


#64
Tetrachloroethene
Concen: 19.464 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:164 Resp: 45363

Ion	Ratio	Lower	Upper
164	100		
166	107.8	100.7	151.1
129	93.9	75.4	113.0
131	100.1	74.0	111.0

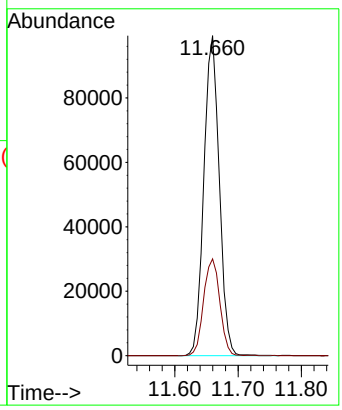




#65
Chlorobenzene
Concen: 21.409 ug/l
RT: 11.660 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:112 Resp: 16830(

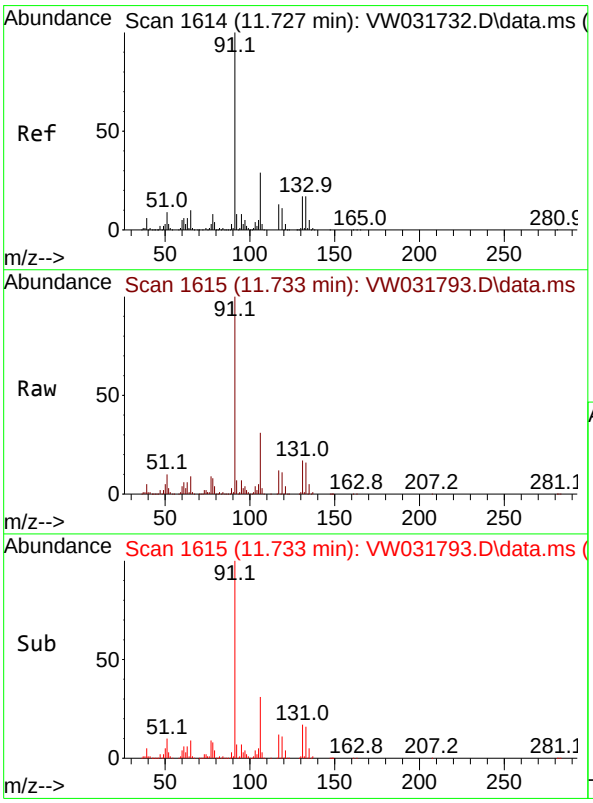
Ion	Ratio	Lower	Upper
112	100		
114	30.2	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

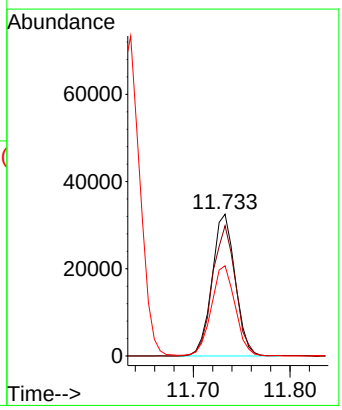
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

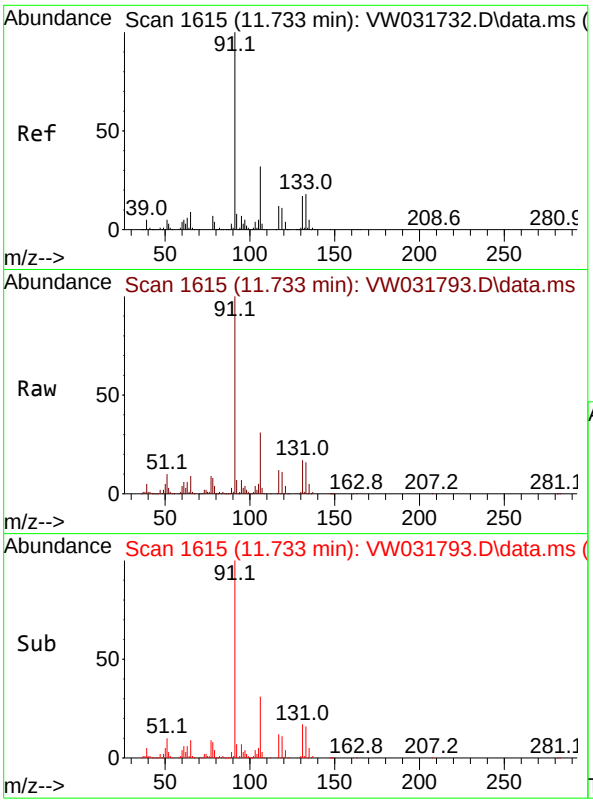


#66
1,1,1,2-Tetrachloroethane
Concen: 21.619 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:131 Resp: 54158

Ion	Ratio	Lower	Upper
131	100		
133	91.9	48.5	145.6
119	65.4	32.5	97.5

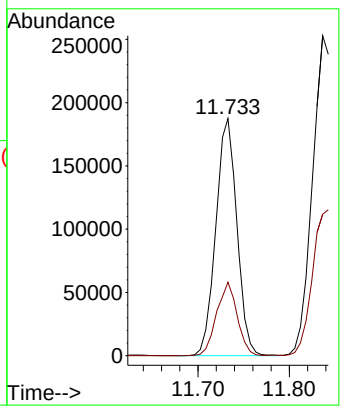




#67
Ethyl Benzene
Concen: 22.045 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 30050

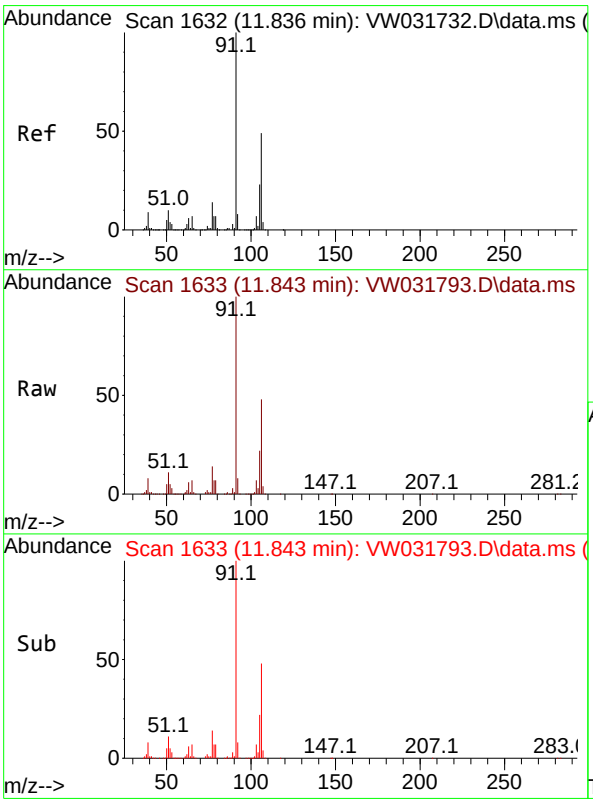
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

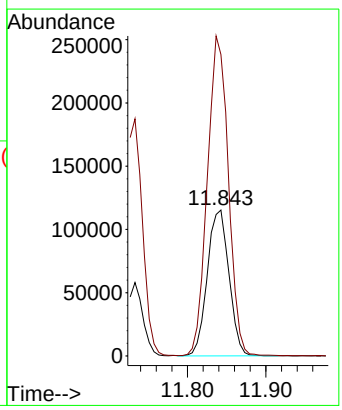
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

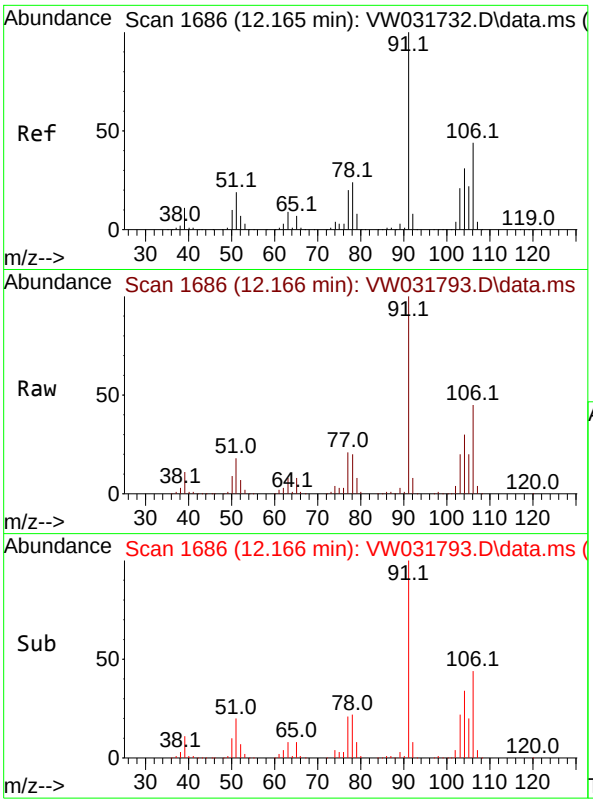


#68
m/p-Xylenes
Concen: 42.278 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:106 Resp: 221549

Ion	Ratio	Lower	Upper
106	100		
91	213.0	166.4	249.6





#69
o-Xylene
Concen: 21.820 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

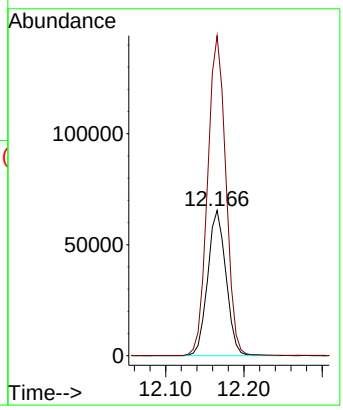
Tgt Ion:106 Resp: 10587

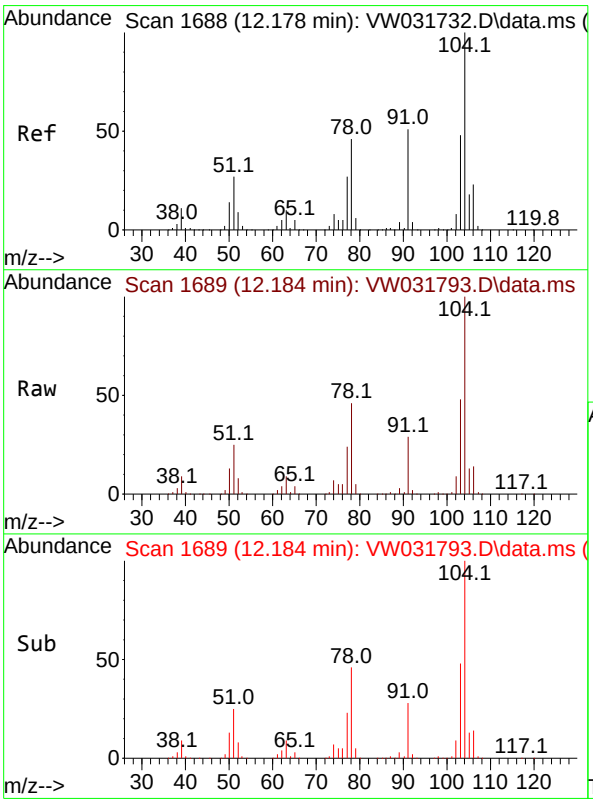
Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.5	334.4

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

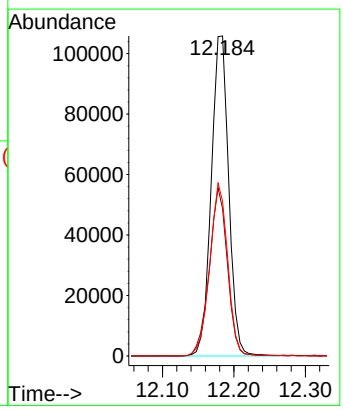


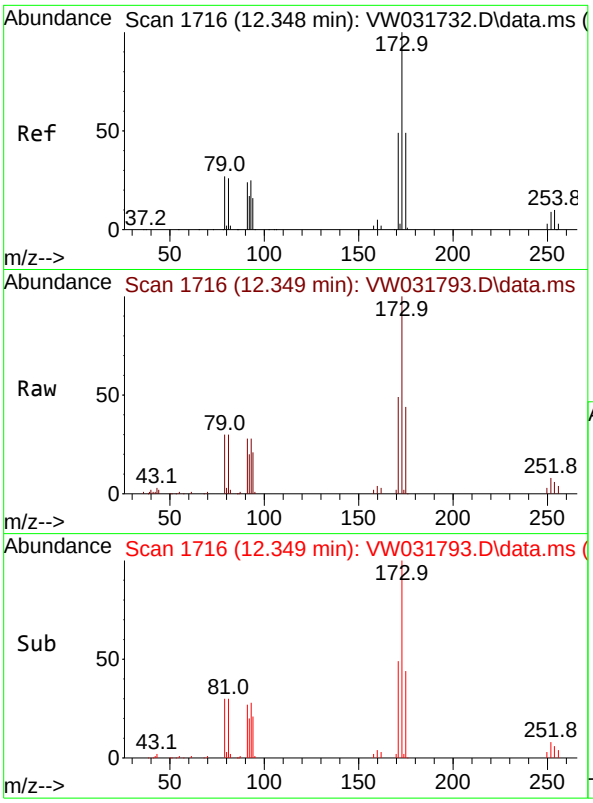


#70
Styrene
Concen: 21.421 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:104 Resp: 179672

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.1	63.1
103	55.6	43.0	64.6

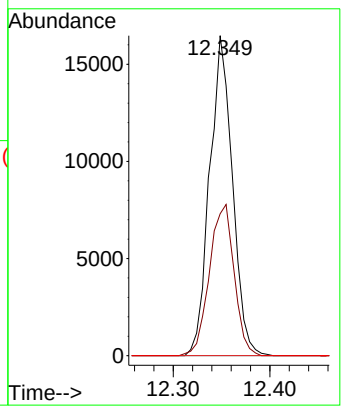




#71
Bromoform
Concen: 18.018 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:173 Resp: 2692

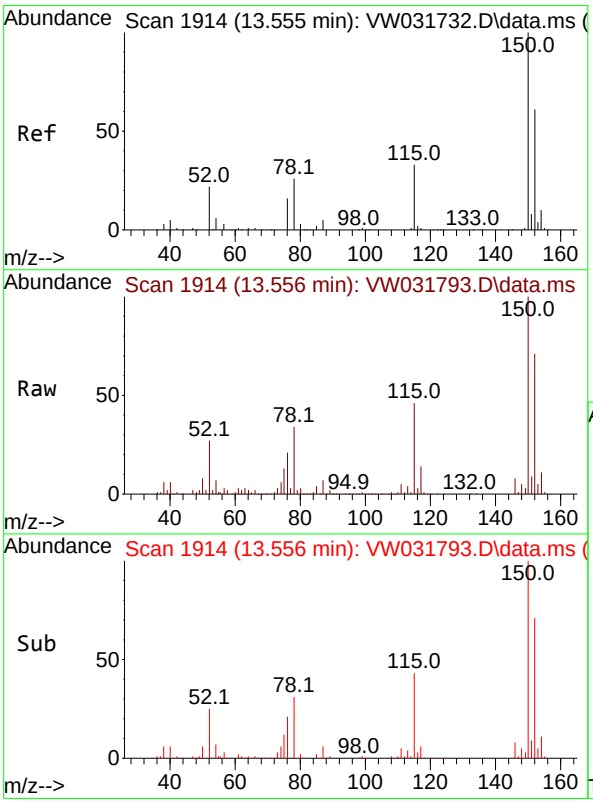
Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.0	72.0
254	0.0	0.1	0.1



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

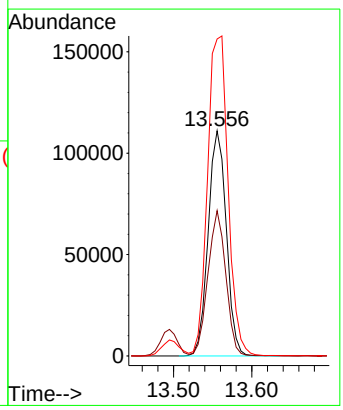
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

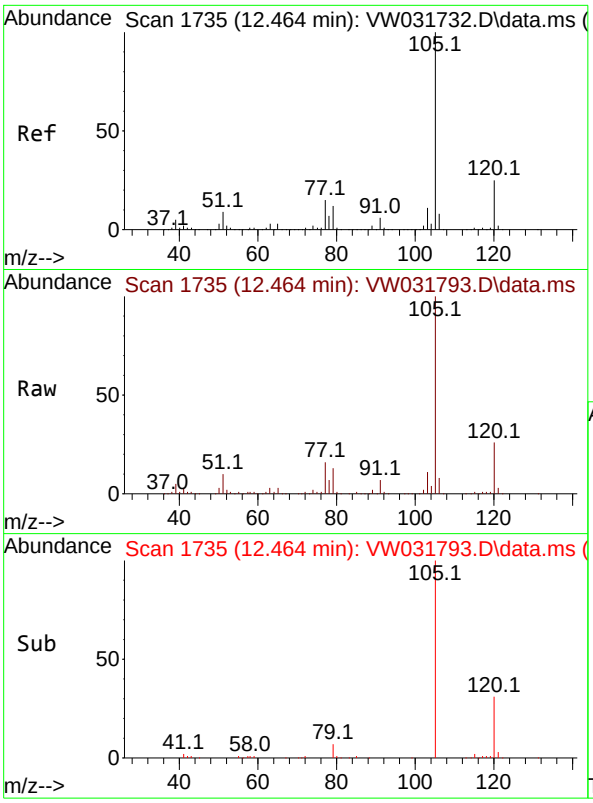


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:152 Resp: 178658

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.9	95.7
150	160.9	0.0	356.4

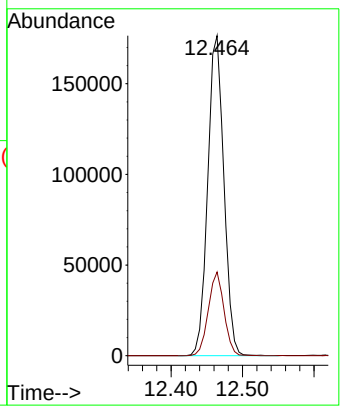




#73
Isopropylbenzene
Concen: 20.352 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 27657

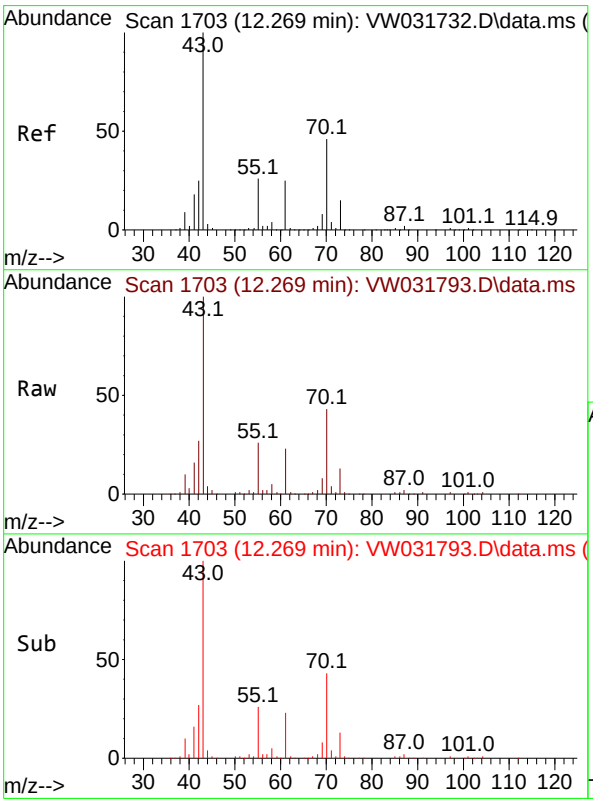
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

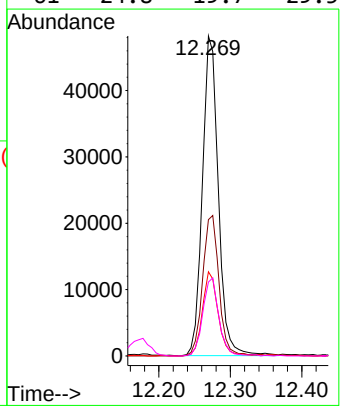
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

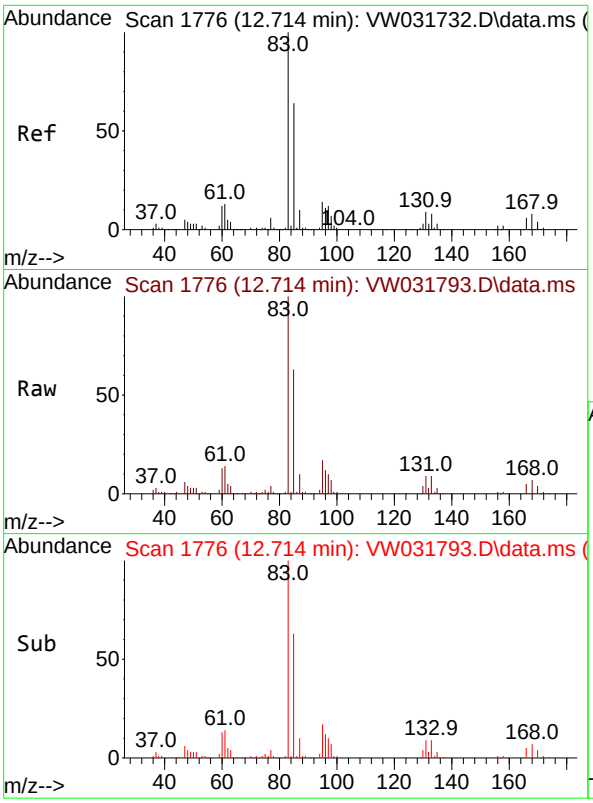


#74
N-amyl acetate
Concen: 20.368 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 74607

Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.0	54.0
55	25.9	20.8	31.2
61	24.8	19.7	29.5

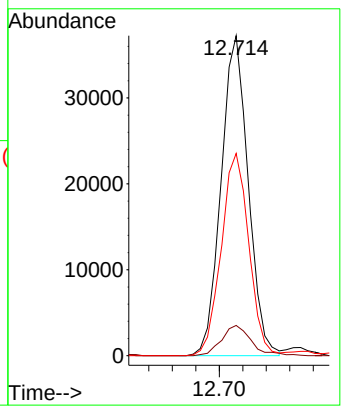




#75
1,1,2,2-Tetrachloroethane
Concen: 19.780 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 83 Resp: 5967

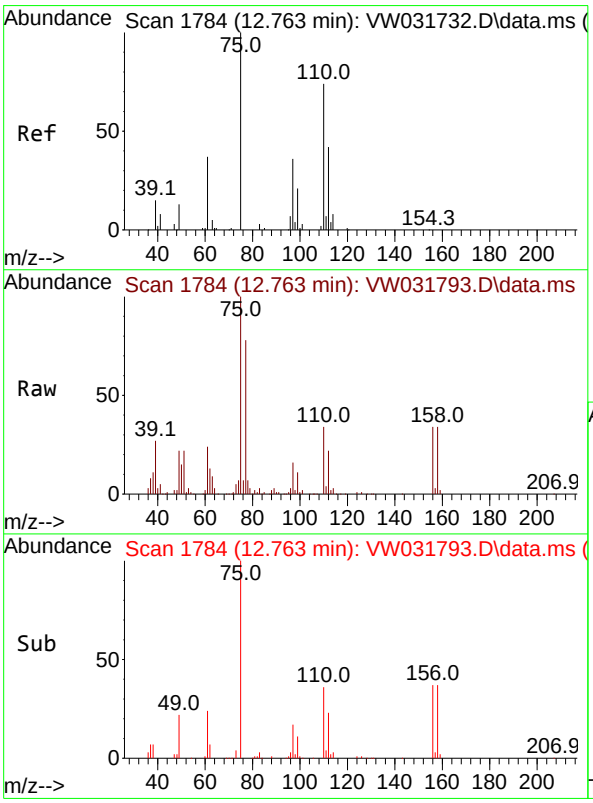
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	64.3	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

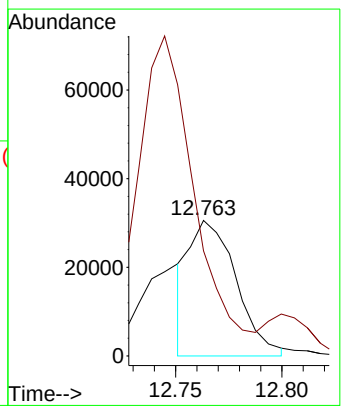
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

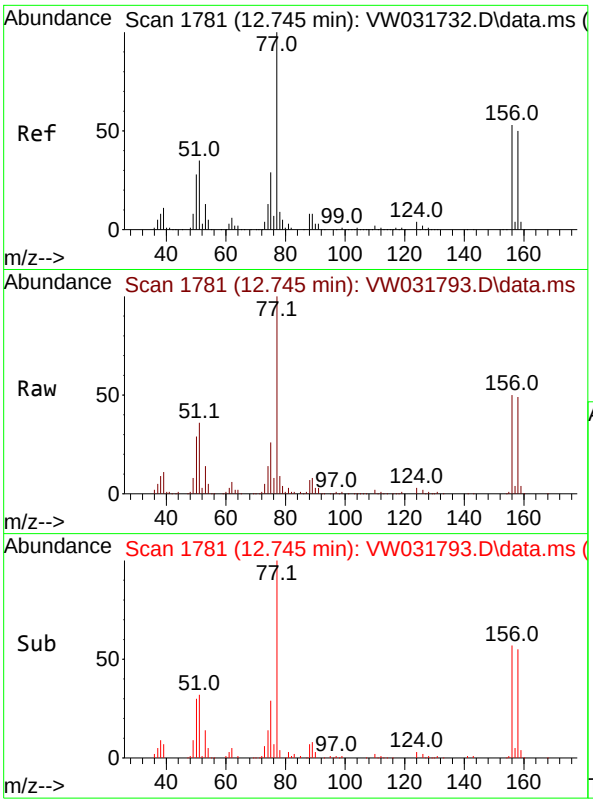


#76
1,2,3-Trichloropropane
Concen: 20.421 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 47147

Ion	Ratio	Lower	Upper
75	100		
77	287.9	141.2	423.6

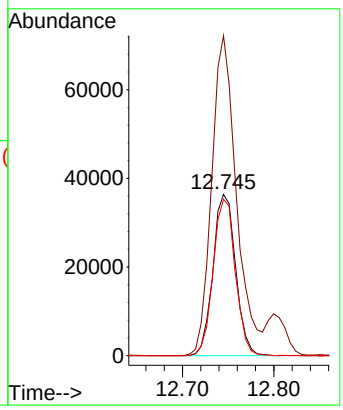




#77
Bromobenzene
Concen: 20.615 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:156 Resp: 6248

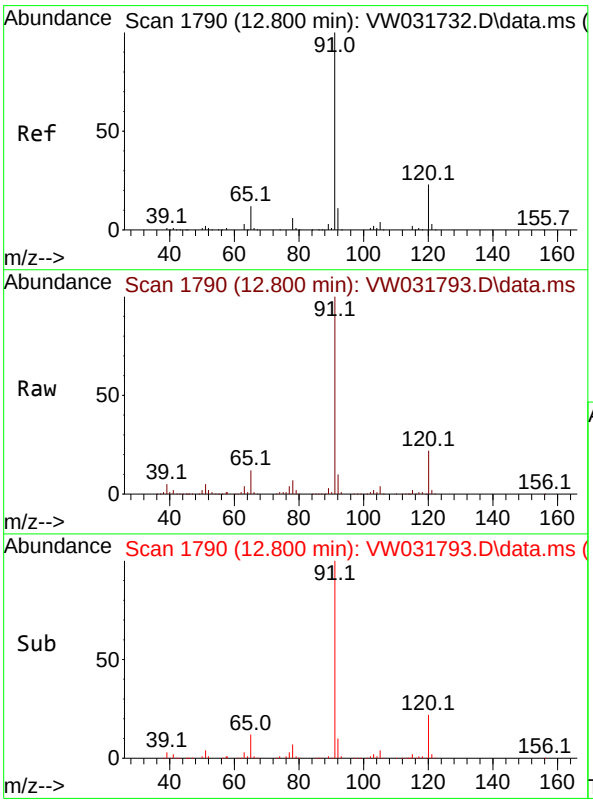
Ion	Ratio	Lower	Upper
156	100		
77	217.2	117.9	353.7
158	95.1	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

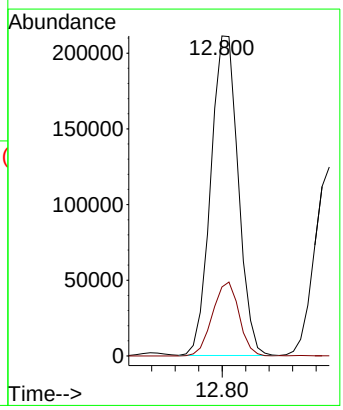
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

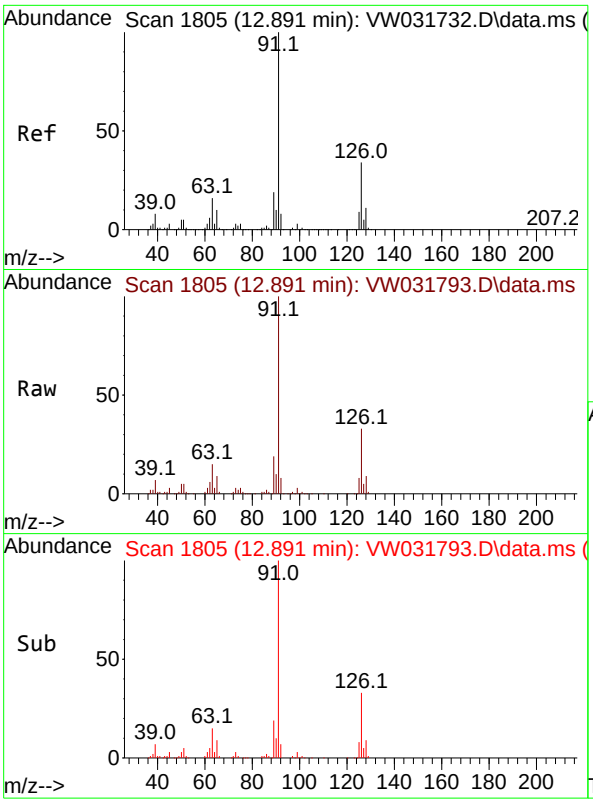


#78
n-propylbenzene
Concen: 21.009 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 341885

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4

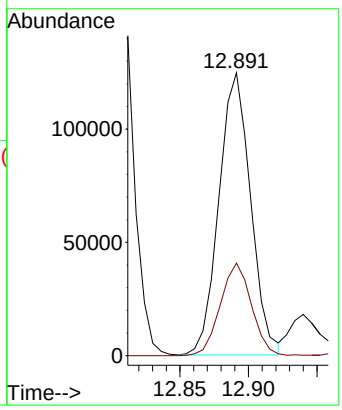




#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 20059

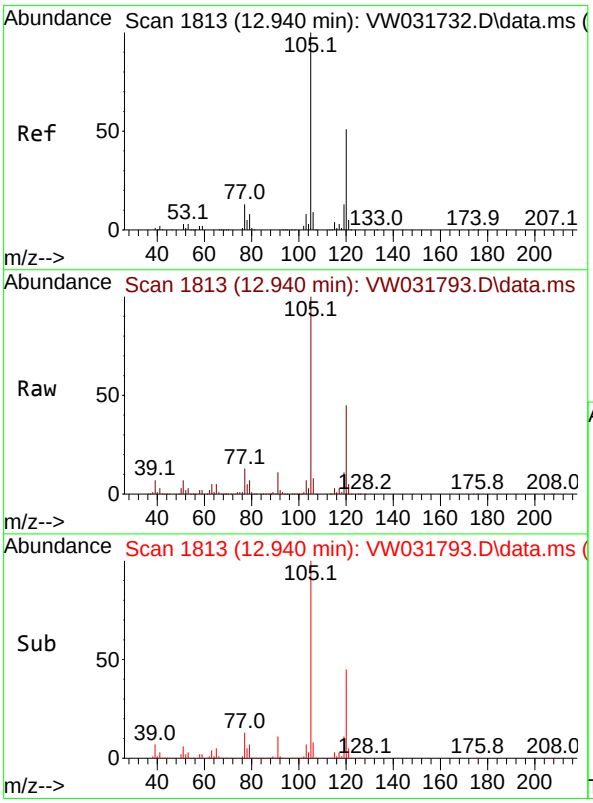
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

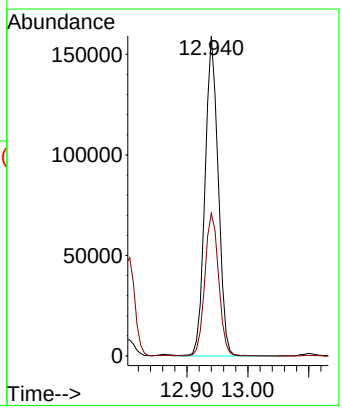
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

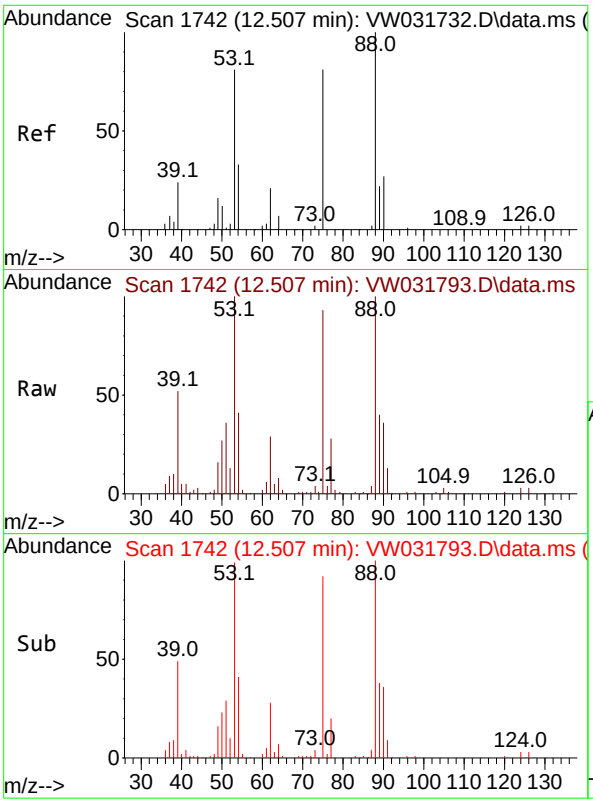


#80
1,3,5-Trimethylbenzene
Concen: 21.299 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 239593

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.2

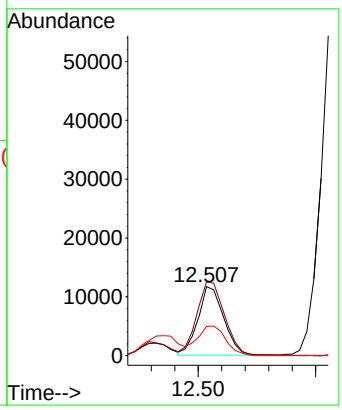




#81
trans-1,4-Dichloro-2-butene
Concen: 18.016 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 1785

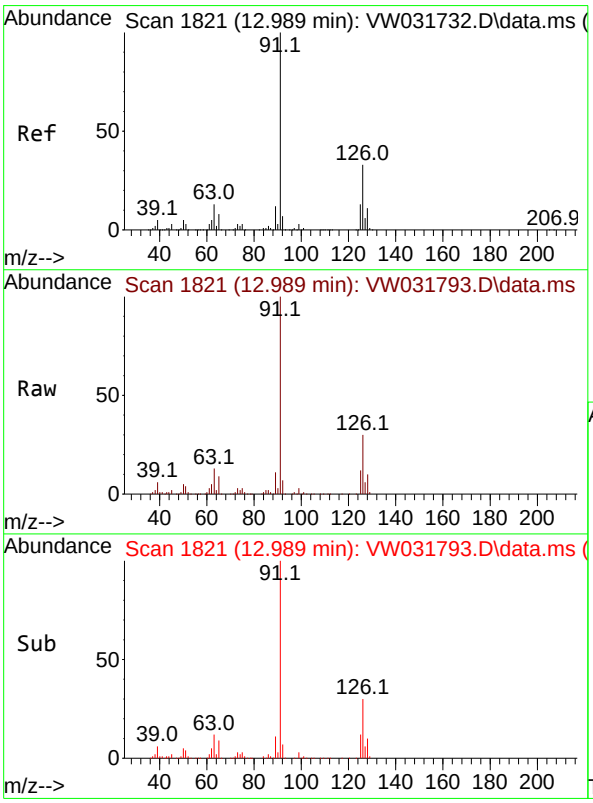
Ion	Ratio	Lower	Upper
75	100		
53	116.8	83.5	125.3
89	47.4	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

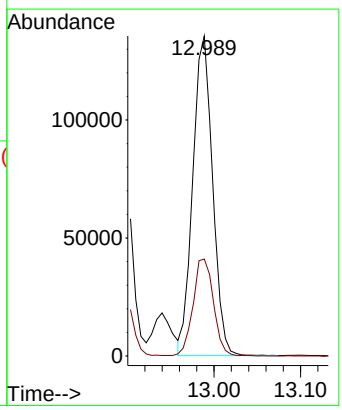
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

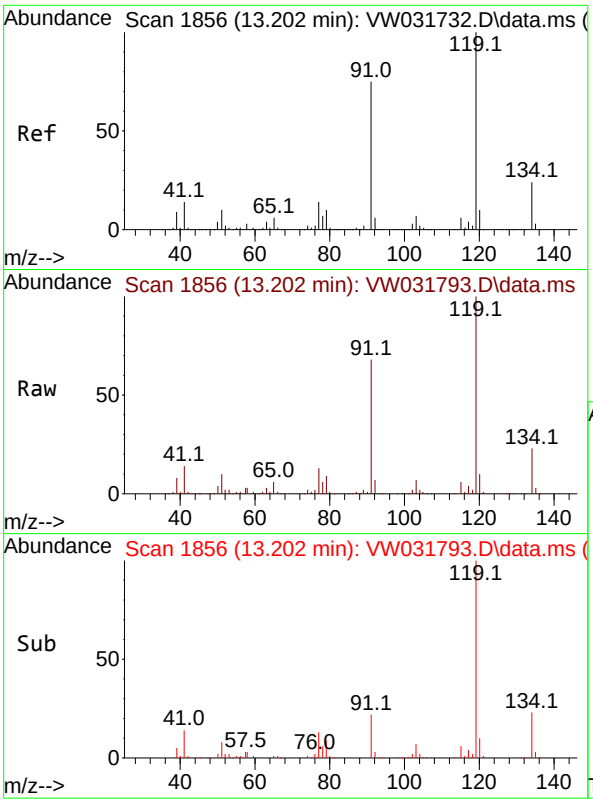


#82
4-Chlorotoluene
Concen: 20.898 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 215000

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	47.9

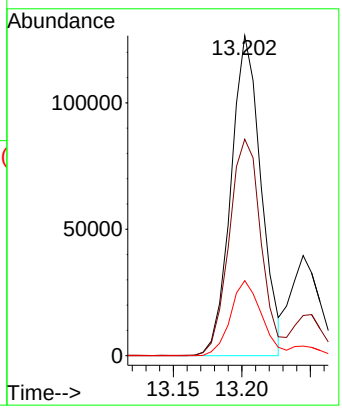




#83
tert-Butylbenzene
Concen: 20.054 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:119 Resp: 19323

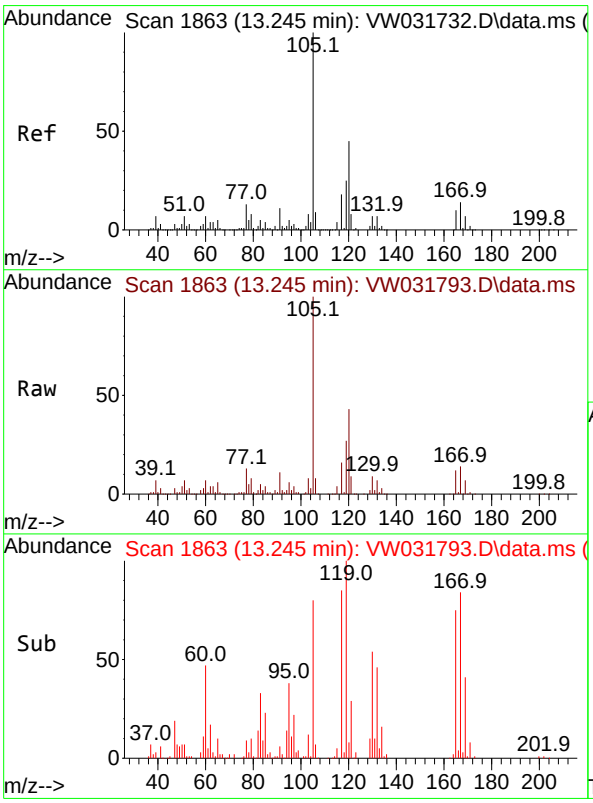
Ion	Ratio	Lower	Upper
119	100		
91	72.5	36.0	108.1
134	24.2	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

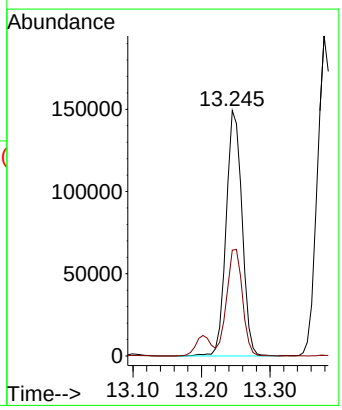
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

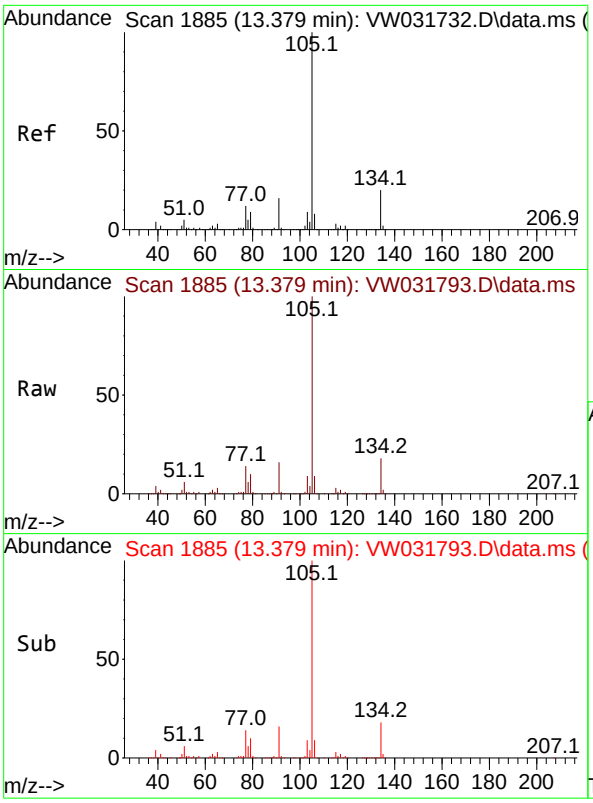


#84
1,2,4-Trimethylbenzene
Concen: 21.016 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 239532

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1

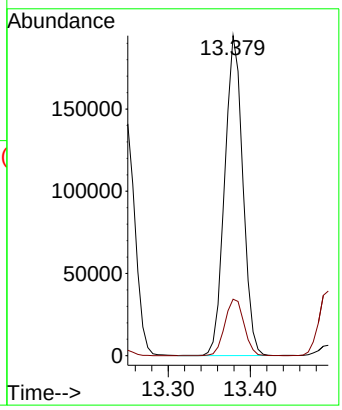




#85
sec-Butylbenzene
Concen: 20.599 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 29791

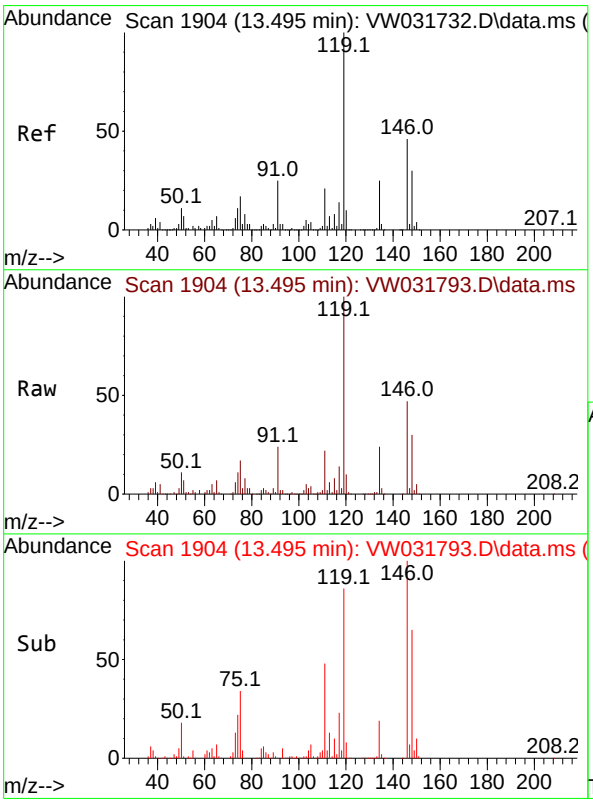
Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

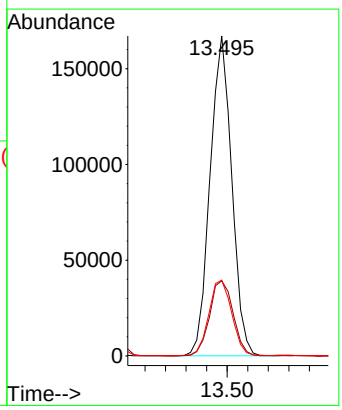
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

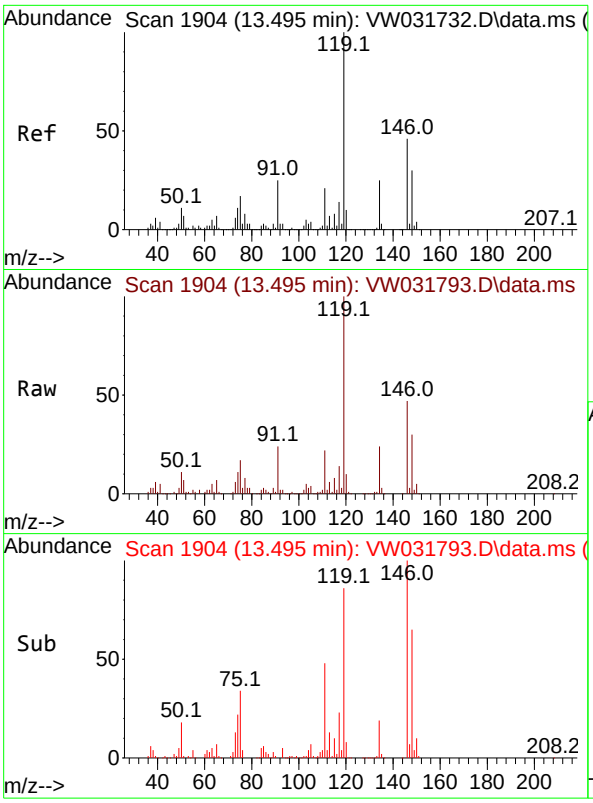


#86
p-Isopropyltoluene
Concen: 20.467 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:119 Resp: 243955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	25.0	12.7	38.0

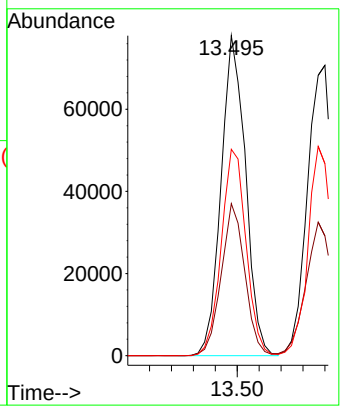




#87
1,3-Dichlorobenzene
Concen: 19.878 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:146 Resp: 12082

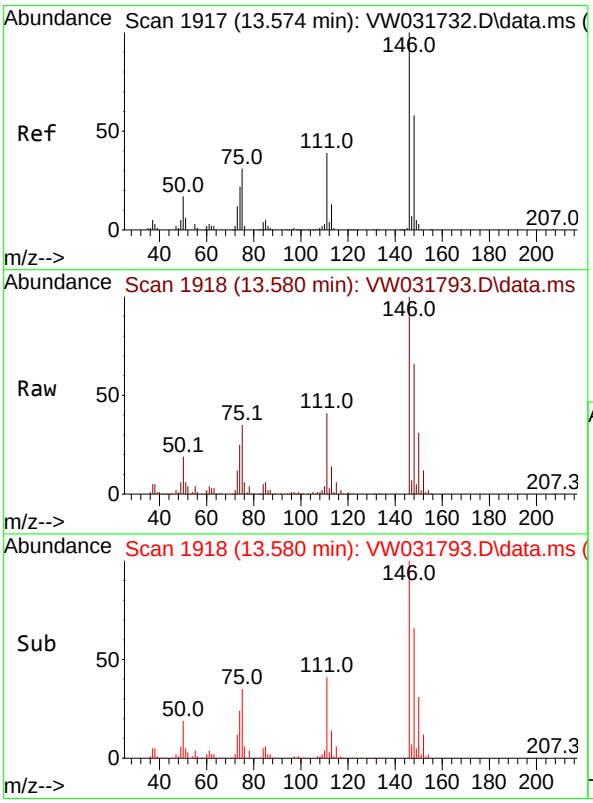
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.3	66.9
148	65.4	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

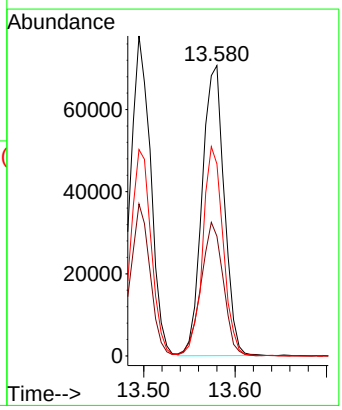
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

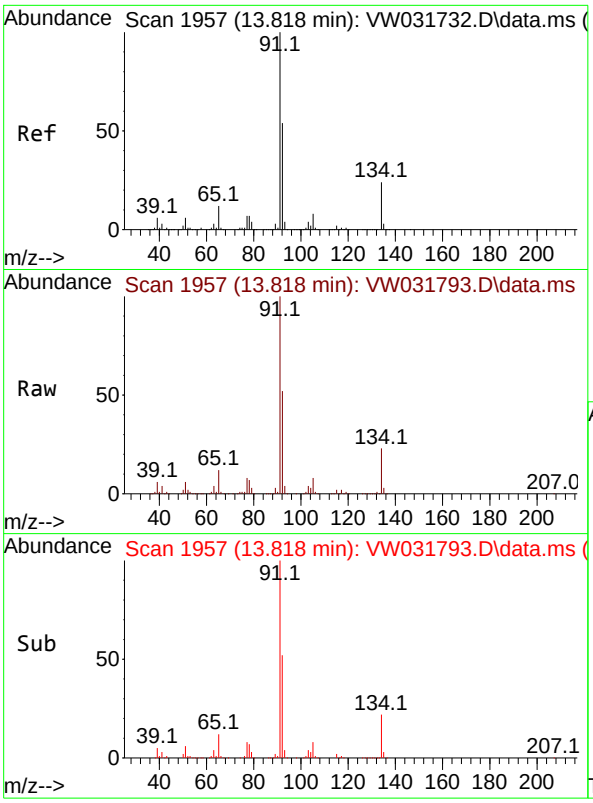


#88
1,4-Dichlorobenzene
Concen: 19.074 ug/l
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:146 Resp: 118668

Ion	Ratio	Lower	Upper
146	100		
111	46.1	20.4	61.3
148	66.6	30.2	90.6

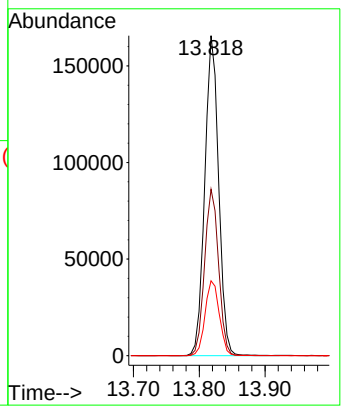




#89
n-Butylbenzene
Concen: 21.000 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 24320

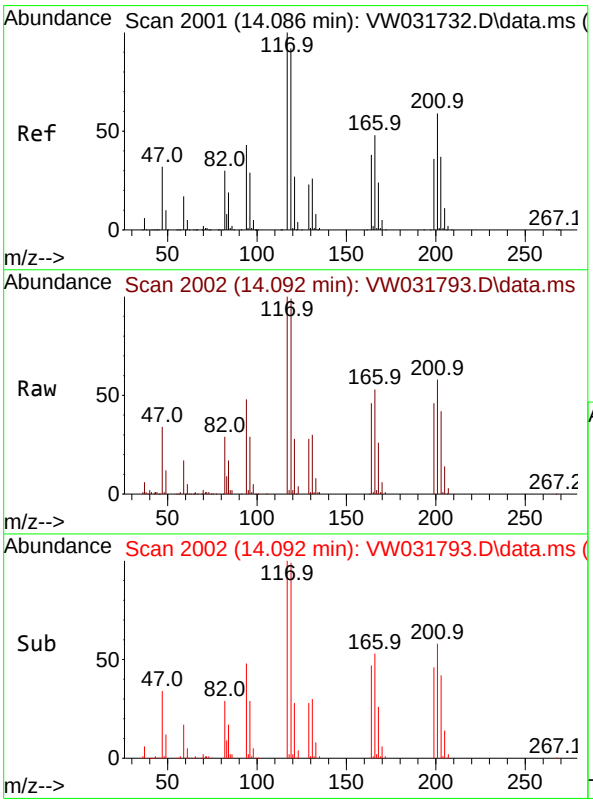
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.2	81.5
134	24.1	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

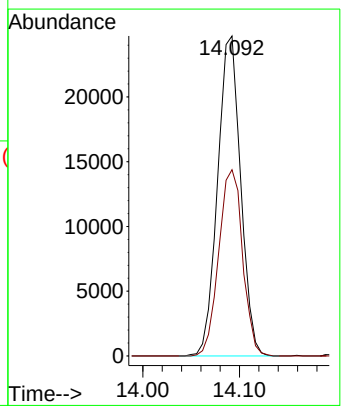
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

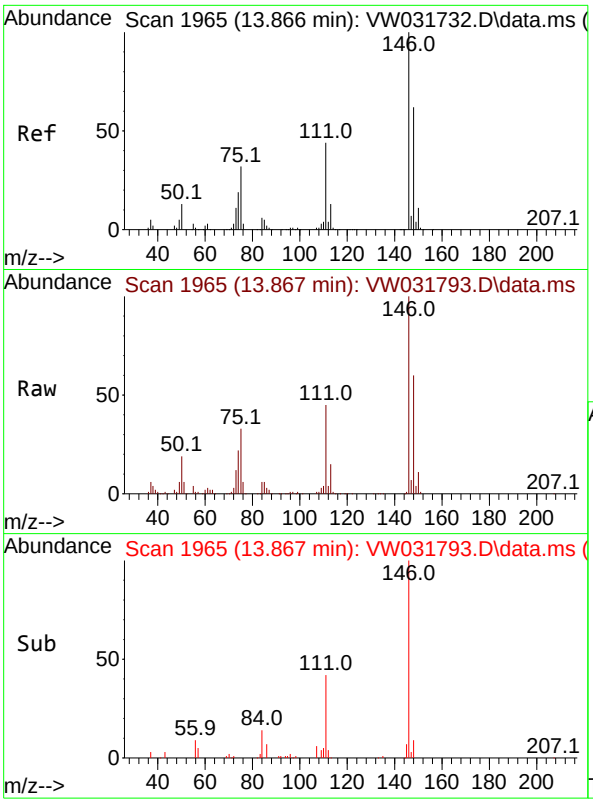


#90
Hexachloroethane
Concen: 18.988 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:117 Resp: 40832

Ion	Ratio	Lower	Upper
117	100		
201	60.2	31.1	93.3

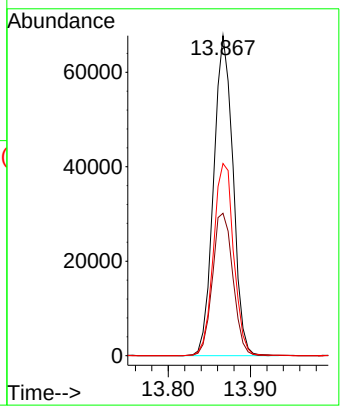




#91
1,2-Dichlorobenzene
Concen: 19.994 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:146 Resp: 11107

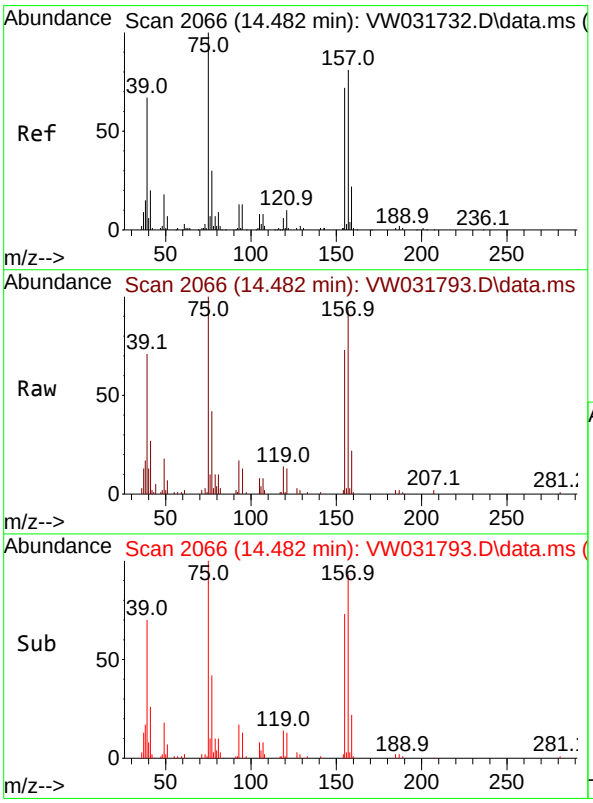
Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.7	65.1
148	62.8	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

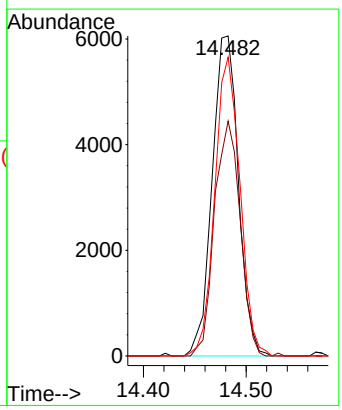
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

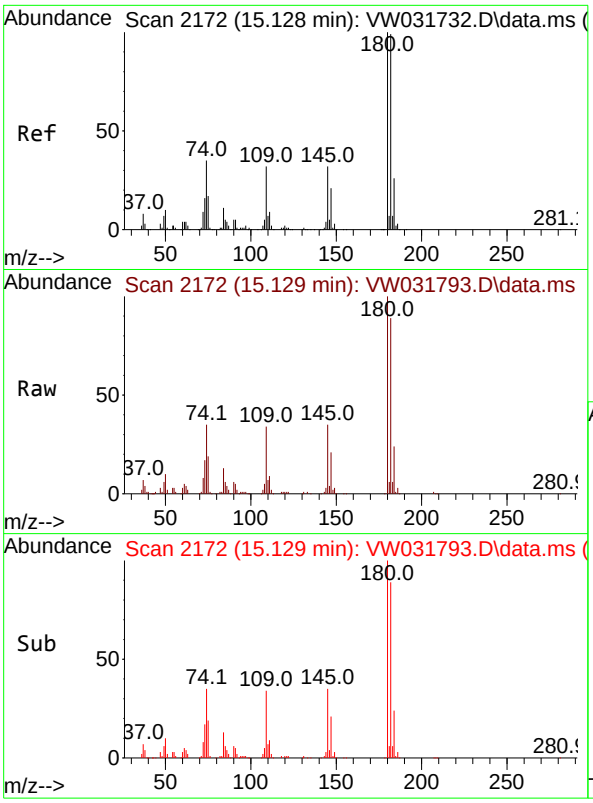


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.170 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 10704

Ion	Ratio	Lower	Upper
75	100		
155	72.0	37.2	111.6
157	89.7	45.6	136.9

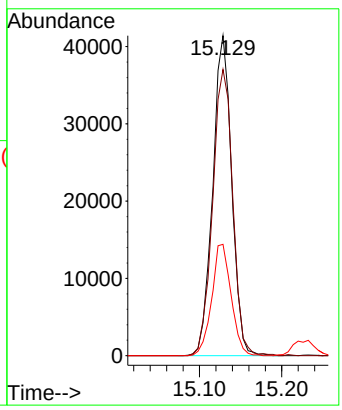




#93
1,2,4-Trichlorobenzene
Concen: 19.394 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:180 Resp: 6645

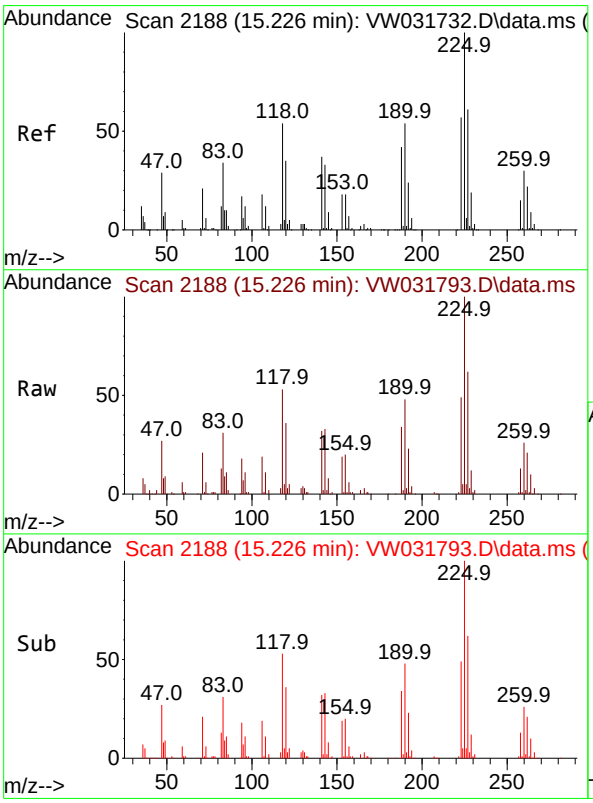
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.6	145.9
145	35.6	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

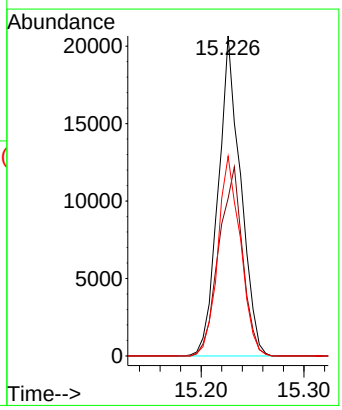
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

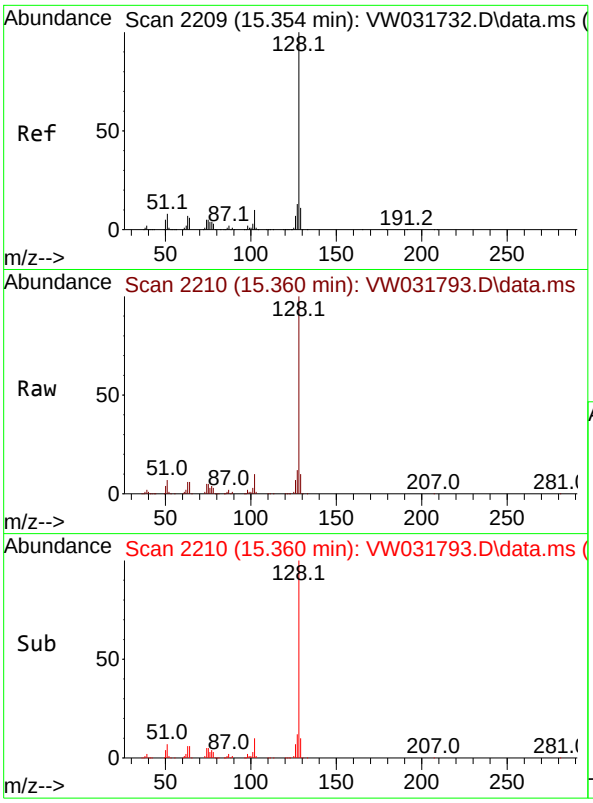


#94
Hexachlorobutadiene
Concen: 18.819 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:225 Resp: 31136

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.6	97.8
227	63.3	37.3	111.8

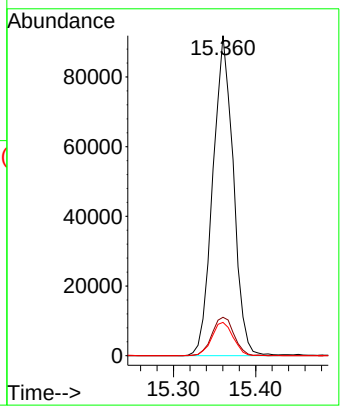




#95
Naphthalene
Concen: 18.963 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:128 Resp: 15928

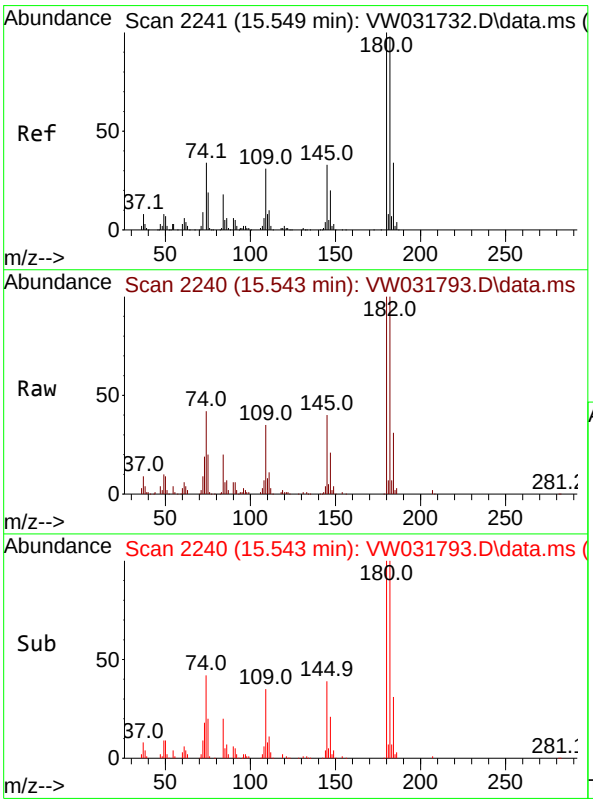
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.9	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Manual Integrations
APPROVED

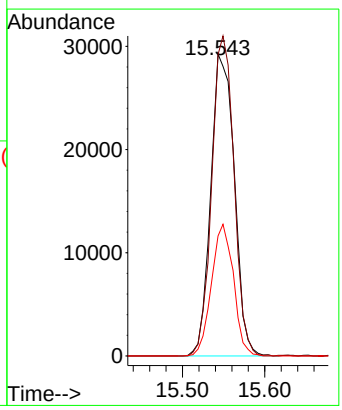
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.480 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:180 Resp: 58180

Ion	Ratio	Lower	Upper
180	100		
182	99.9	46.4	139.1
145	40.7	17.8	53.3



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:	VW0710SBSD01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBSD01	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
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.020		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.021		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	0.019		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	0.021		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	0.098		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	0.022		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.024		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.021		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	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.021		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	0.021		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		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	0.10		0.0036	0.013	0.025	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:	VW0710SBSD01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBSD01	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
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		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	0.022		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	0.020		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	0.021		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	0.021		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.042		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.063		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.021		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		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	0.021		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	0.021		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.022		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.022		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.022		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.022		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.021		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.022		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.022		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.022		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.022		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		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:	VW0710SBSD01	SDG No.:	Q2558
Lab Sample ID:	VW0710SBSD01	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
VW031794.D	1	07/10/25 11:33	VW071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		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	0.020		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	0.020		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.8		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	226000	7.965				
540-36-3	1,4-Difluorobenzene	415000	8.849				
3114-55-4	Chlorobenzene-d5	366000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	174000	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\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	226314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	415001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167289	51.507	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.020%			
35) Dibromofluoromethane	7.904	113	135149	49.906	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.820%			
50) Toluene-d8	10.325	98	501996	49.812	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.617	95	192442	51.890	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	30178	19.580	ug/l	96
3) Chloromethane	2.259	50	36073	19.413	ug/l	97
4) Vinyl Chloride	2.405	62	50581	20.710	ug/l	95
5) Bromomethane	2.826	94	35400	18.557	ug/l	98
6) Chloroethane	2.972	64	32192	19.404	ug/l	97
7) Trichlorofluoromethane	3.301	101	36813	16.597	ug/l	94
8) Diethyl Ether	3.722	74	35786	21.232	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50449	20.491	ug/l	98
10) Methyl Iodide	4.314	142	73975	19.491	ug/l	99
11) Tert butyl alcohol	5.228	59	19156	95.202	ug/l	97
12) 1,1-Dichloroethene	4.076	96	54559	20.232	ug/l	91
13) Acrolein	3.929	56	28198	77.971	ug/l	99
14) Allyl chloride	4.704	41	86231	20.841	ug/l	97
15) Acrylonitrile	5.411	53	81557	98.400	ug/l	99
16) Acetone	4.167	43	87339	108.797	ug/l	100
17) Carbon Disulfide	4.417	76	139598	19.345	ug/l	98
18) Methyl Acetate	4.710	43	43494	18.957	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	99089	21.649	ug/l	97
20) Methylene Chloride	4.960	84	86229	24.362	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	59156	20.645	ug/l	96
22) Diisopropyl ether	6.338	45	180751	22.399	ug/l	95
23) Vinyl Acetate	6.283	43	597042	108.322	ug/l	98
24) 1,1-Dichloroethane	6.246	63	110704	21.161	ug/l	98
25) 2-Butanone	7.197	43	119126	114.064	ug/l	98
26) 2,2-Dichloropropane	7.185	77	59909	19.627	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	70581	21.429	ug/l	97
28) Bromochloromethane	7.532	49	49683	21.520	ug/l	97
29) Tetrahydrofuran	7.557	42	71773	100.351	ug/l	100
30) Chloroform	7.691	83	116682	20.990	ug/l	96
31) Cyclohexane	7.971	56	97811	21.151	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	85852	20.040	ug/l	99
36) 1,1-Dichloropropene	8.099	75	82416	21.031	ug/l	99
37) Ethyl Acetate	7.276	43	49846	20.164	ug/l	98
38) Carbon Tetrachloride	8.081	117	78551	19.671	ug/l	97
39) Methylcyclohexane	9.343	83	100339	20.580	ug/l	97
40) Benzene	8.337	78	245359	21.163	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	26501	20.012	ug/l		93
42) 1,2-Dichloroethane	8.410	62	83386	21.286	ug/l		99
43) Isopropyl Acetate	8.435	43	89552	21.016	ug/l		99
44) Trichloroethene	9.105	130	56412	19.495	ug/l		91
45) 1,2-Dichloropropane	9.374	63	59237	21.140	ug/l		95
46) Dibromomethane	9.465	93	37600	20.784	ug/l		97
47) Bromodichloromethane	9.648	83	88183	20.787	ug/l		95
48) Methyl methacrylate	9.441	41	41670	19.888	ug/l		97
49) 1,4-Dioxane	9.465	88	7065	333.450	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	256230	104.592	ug/l		100
52) Toluene	10.392	92	153896	20.732	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	82051	20.615	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	95884	21.250	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	50955	21.503	ug/l		98
56) Ethyl methacrylate	10.648	69	69105	21.495	ug/l		99
57) 1,3-Dichloropropane	10.934	76	89275	21.458	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	188338	106.389	ug/l		97
59) 2-Hexanone	10.971	43	184311	111.025	ug/l		99
60) Dibromochloromethane	11.129	129	57910	20.436	ug/l		99
61) 1,2-Dibromoethane	11.239	107	48539	20.461	ug/l		98
64) Tetrachloroethene	10.861	164	45851	19.175	ug/l		84
65) Chlorobenzene	11.654	112	170652	21.158	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	53380	20.769	ug/l		96
67) Ethyl Benzene	11.727	91	297893	21.300	ug/l		95
68) m/p-Xylenes	11.837	106	224986	41.847	ug/l		99
69) o-Xylene	12.166	106	104943	21.082	ug/l		98
70) Styrene	12.178	104	184086	21.391	ug/l		99
71) Bromoform	12.349	173	29851	19.469	ug/l	#	99
73) Isopropylbenzene	12.464	105	279027	21.126	ug/l		99
74) N-amyl acetate	12.269	43	79743	22.400	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	62348	21.263	ug/l		98
76) 1,2,3-Trichloropropane	12.769	75	46547m	20.744	ug/l		
77) Bromobenzene	12.745	156	60742	20.620	ug/l		94
78) n-propylbenzene	12.800	91	344945	21.810	ug/l		97
79) 2-Chlorotoluene	12.885	91	205314	21.558	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	235670	21.556	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	19026	19.749	ug/l		88
82) 4-Chlorotoluene	12.983	91	214521	21.454	ug/l		99
83) tert-Butylbenzene	13.202	119	198401	21.186	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	240630	21.723	ug/l		100
85) sec-Butylbenzene	13.379	105	301636	21.459	ug/l		100
86) p-Isopropyltoluene	13.495	119	250318	21.608	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	129646	21.946	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	124248	20.548	ug/l		95
89) n-Butylbenzene	13.818	91	238633	21.201	ug/l		99
90) Hexachloroethane	14.086	117	42207	20.195	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	112201	20.780	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11405	19.920	ug/l		91
93) 1,2,4-Trichlorobenzene	15.129	180	66095	19.848	ug/l		97
94) Hexachlorobutadiene	15.226	225	29695	18.467	ug/l		96
95) Naphthalene	15.360	128	167135	20.472	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	59518	19.452	ug/l		93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

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

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

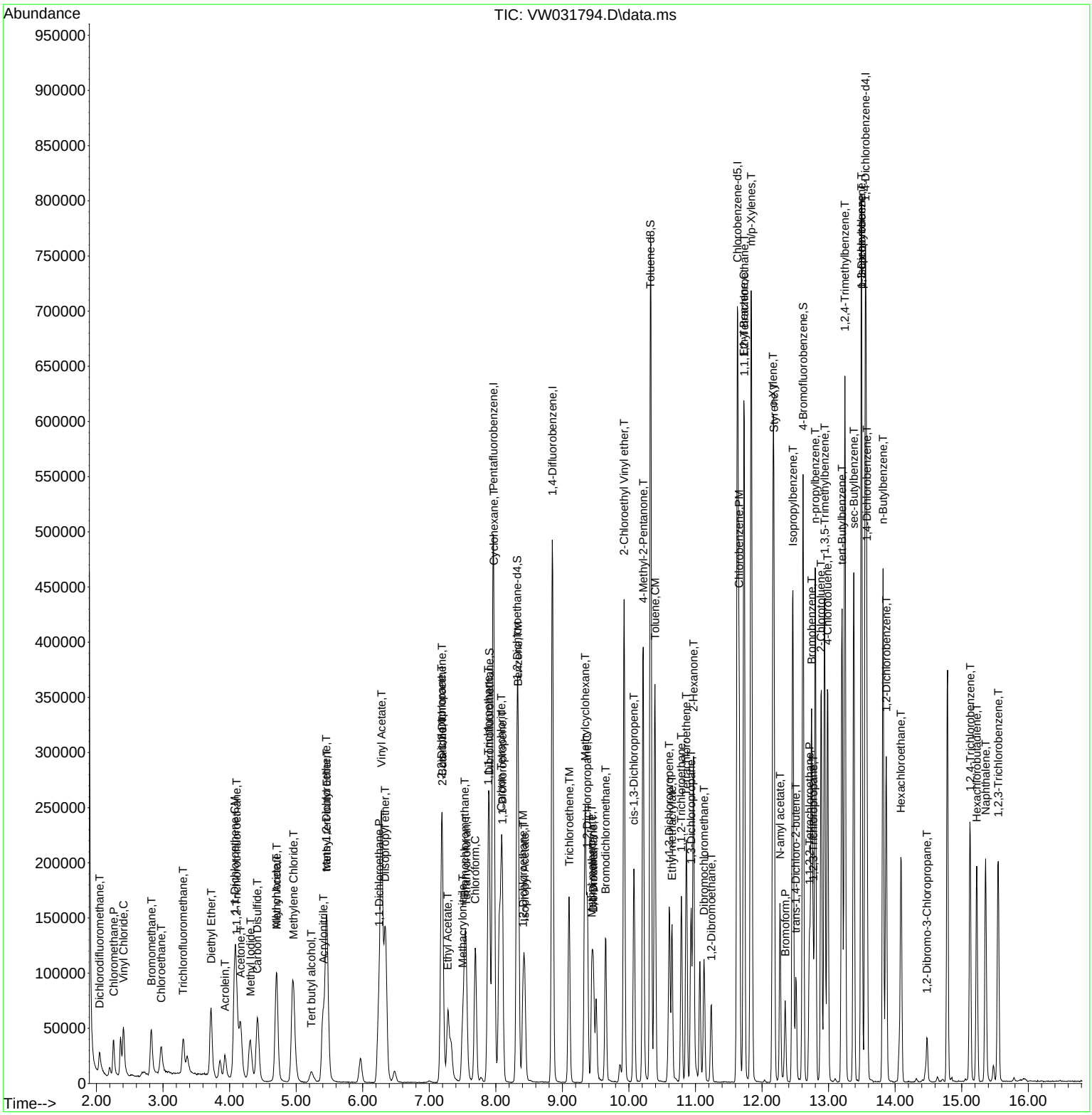
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Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

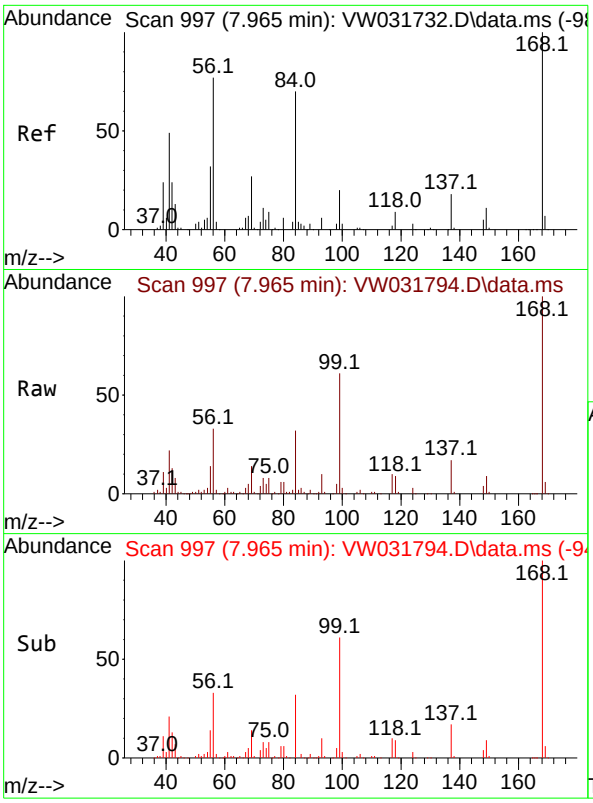
Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

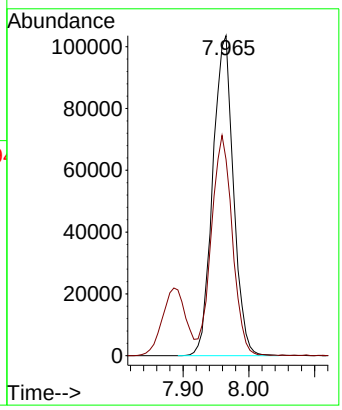




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:168 Resp: 22631

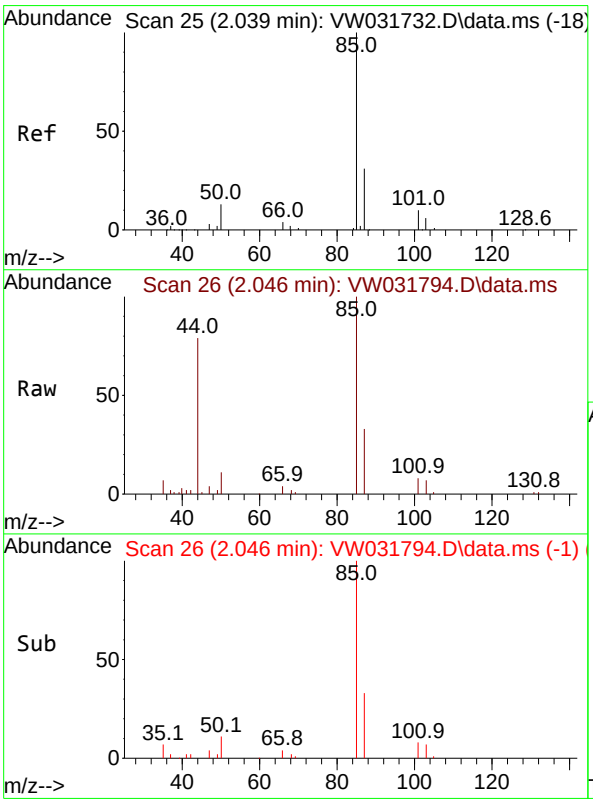
Ion	Ratio	Lower	Upper
168	100		
99	61.2	49.4	74.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

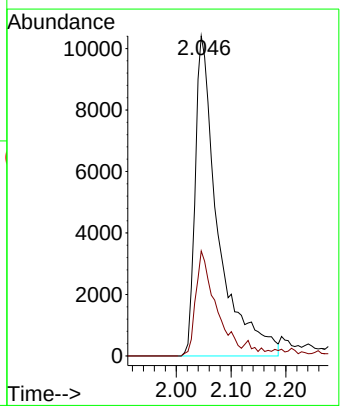
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

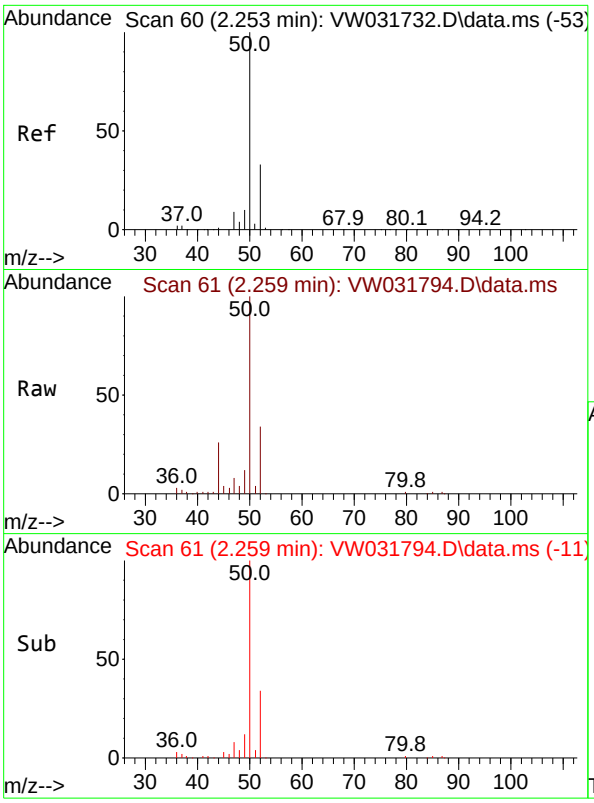


#2
Dichlorodifluoromethane
Concen: 19.580 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 85 Resp: 30178

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.4	46.2

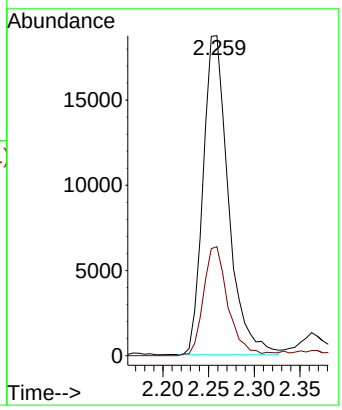




#3
Chloromethane
Concen: 19.413 ug/l
RT: 2.259 min Scan# 6
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 50 Resp: 3607

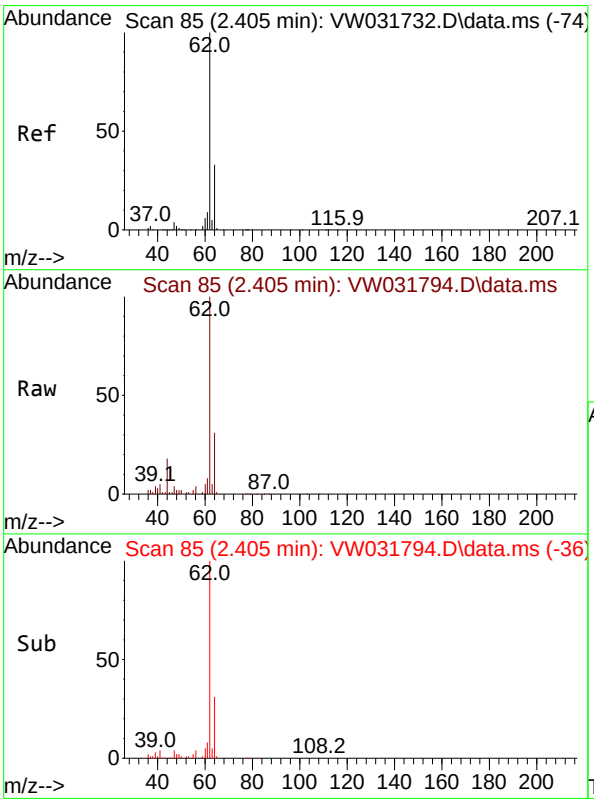
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.2	39.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

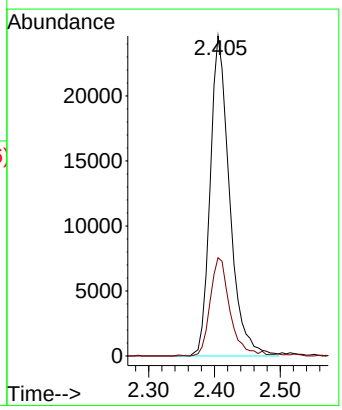
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

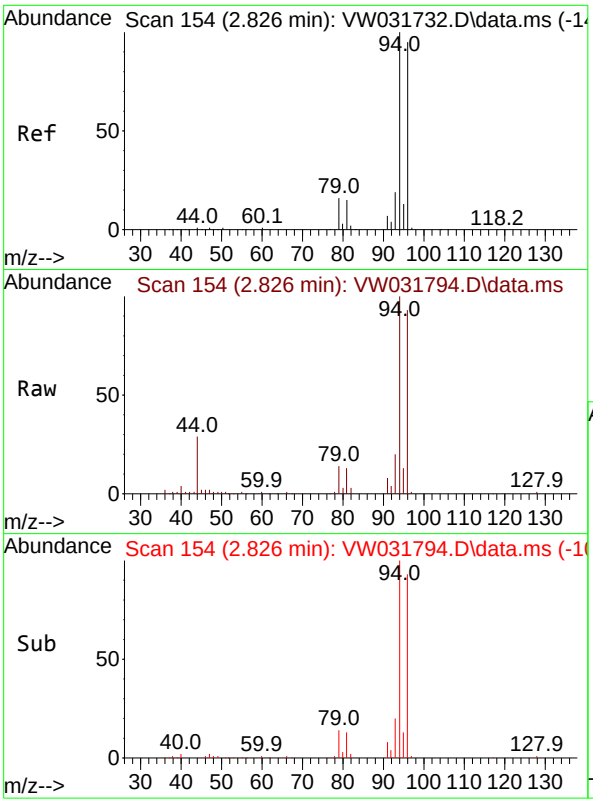


#4
Vinyl Chloride
Concen: 20.710 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 62 Resp: 50581

Ion	Ratio	Lower	Upper
62	100		
64	30.4	26.8	40.2

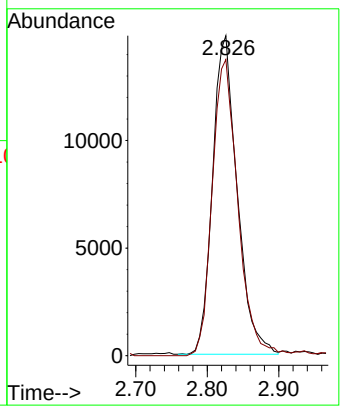




#5
Bromomethane
Concen: 18.557 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 94 Resp: 3540

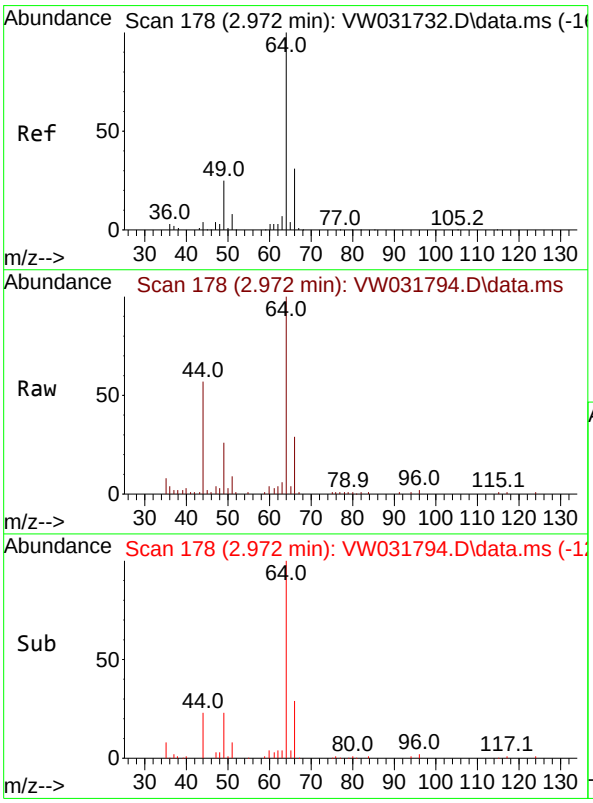
Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.6	113.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

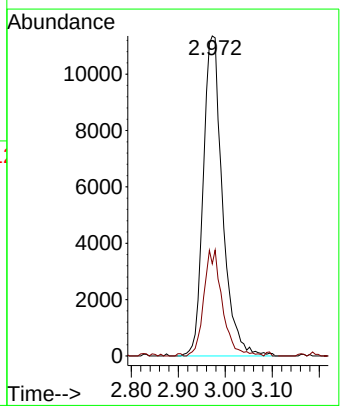
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

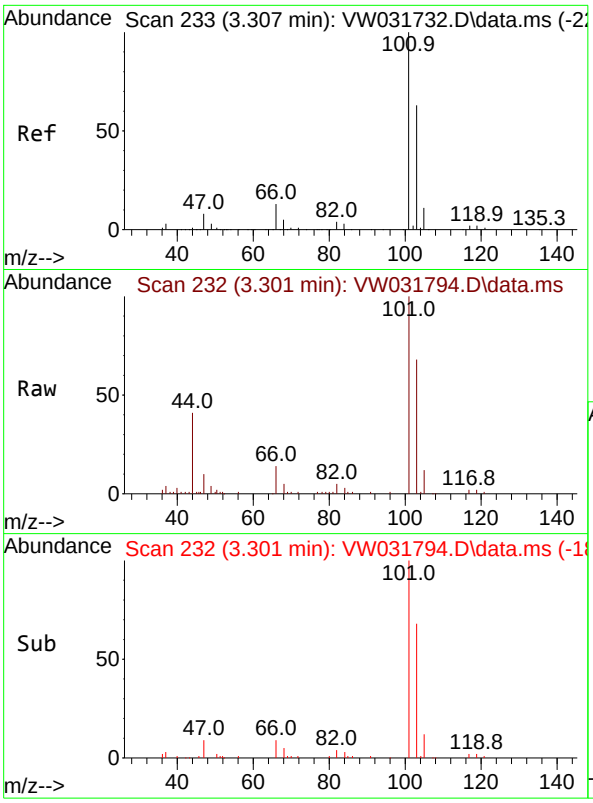


#6
Chloroethane
Concen: 19.404 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 64 Resp: 32192

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.5	36.7

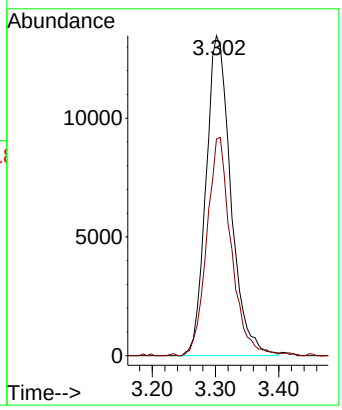




#7
Trichlorofluoromethane
Concen: 16.597 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:101 Resp: 3681

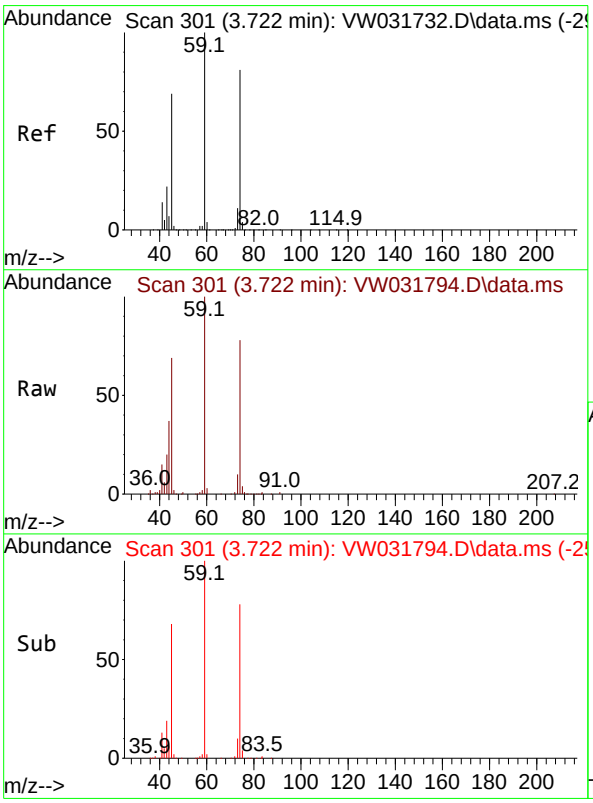
Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.2	75.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

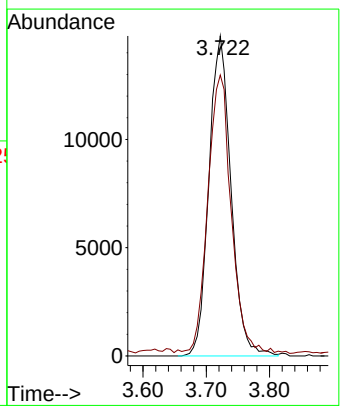
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

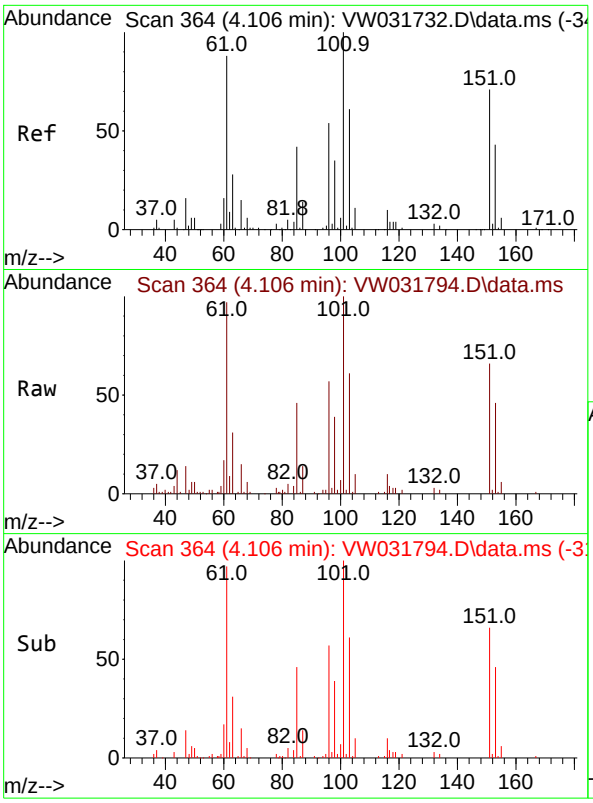


#8
Diethyl Ether
Concen: 21.232 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 74 Resp: 35786

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7

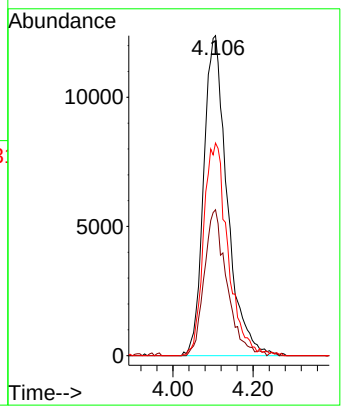




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.491 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:101 Resp: 5044

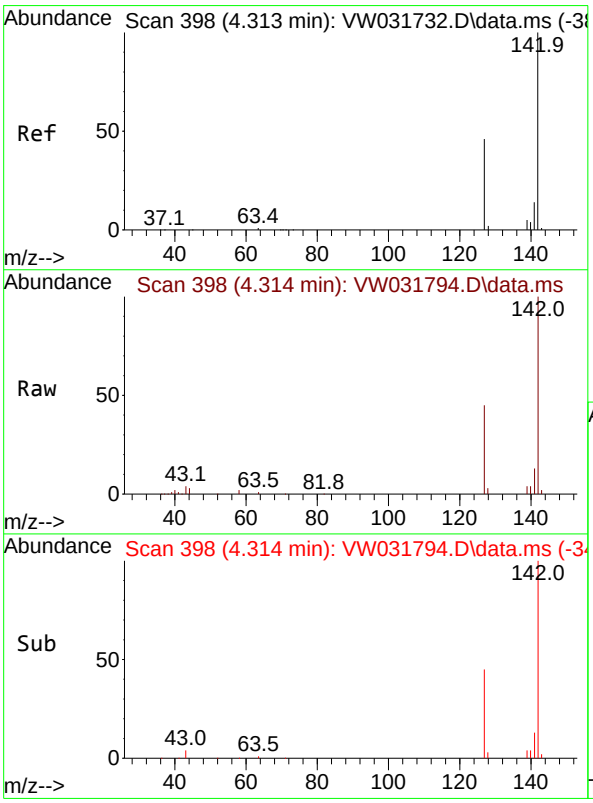
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.6	53.4
151	68.8	56.8	85.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

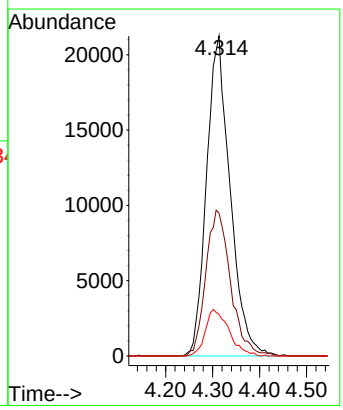
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

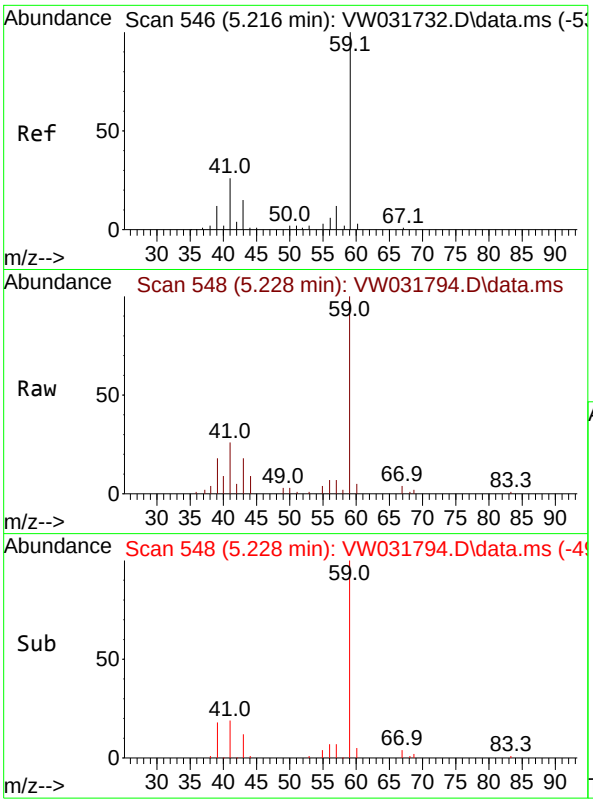


#10
Methyl Iodide
Concen: 19.491 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:142 Resp: 73975

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.9	56.9
141	14.5	11.7	17.5

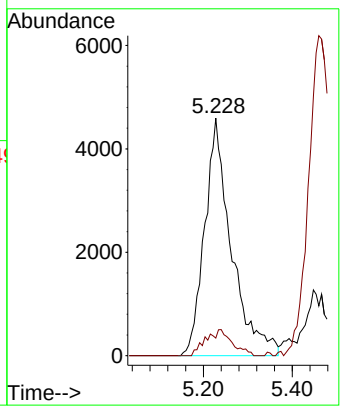




#11
Tert butyl alcohol
Concen: 95.202 ug/l
RT: 5.228 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 59 Resp: 1915

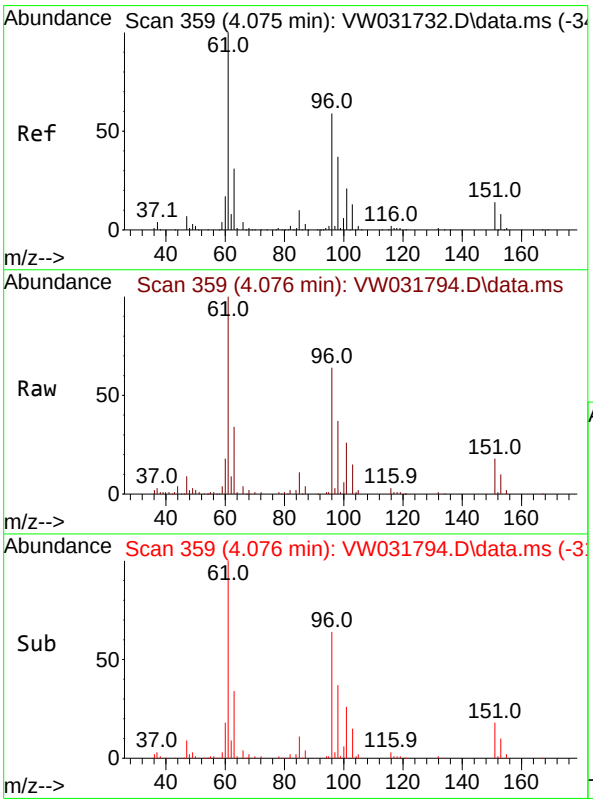
Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.5	14.3



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

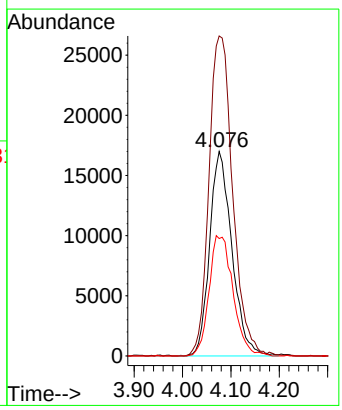
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

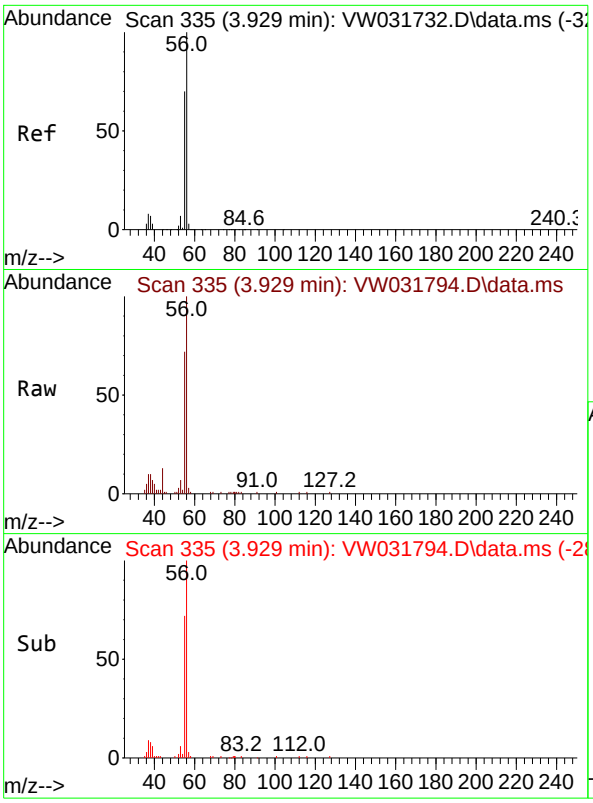


#12
1,1-Dichloroethene
Concen: 20.232 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 96 Resp: 54559

Ion	Ratio	Lower	Upper
96	100		
61	156.5	135.8	203.8
98	57.4	50.4	75.6

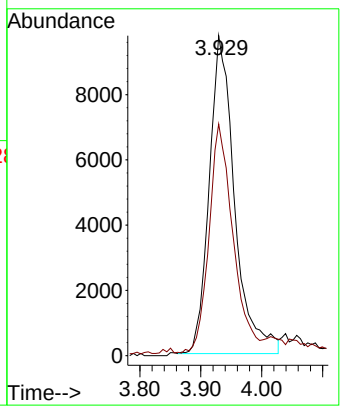




#13
Acrolein
Concen: 77.971 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 56 Resp: 2819

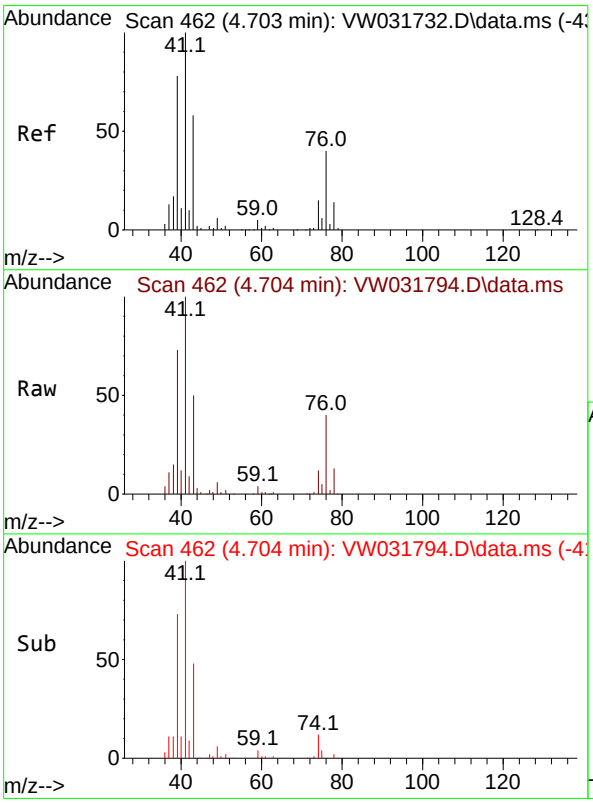
Ion	Ratio	Lower	Upper
56	100		
55	68.0	54.0	81.0



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

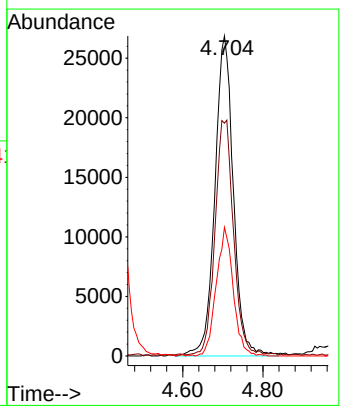
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

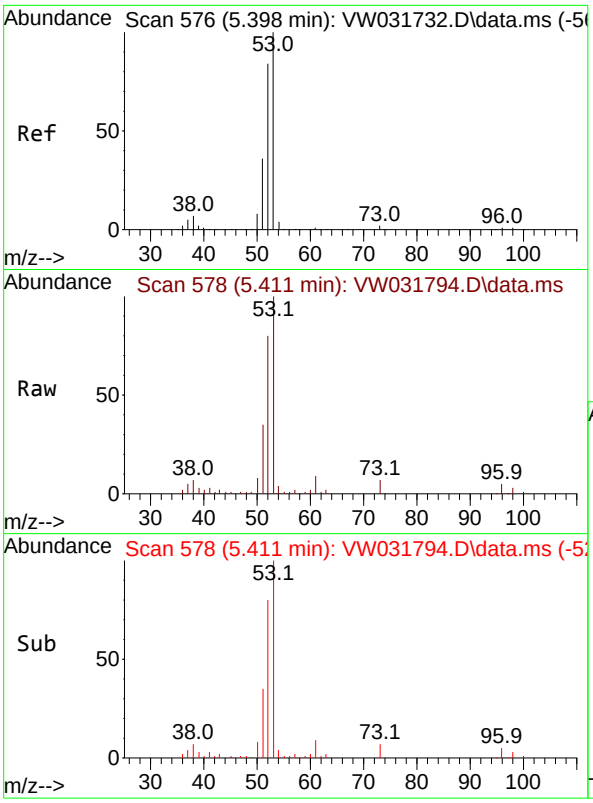


#14
Allyl chloride
Concen: 20.841 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
39	72.8	60.7	91.1
76	36.7	30.3	45.5

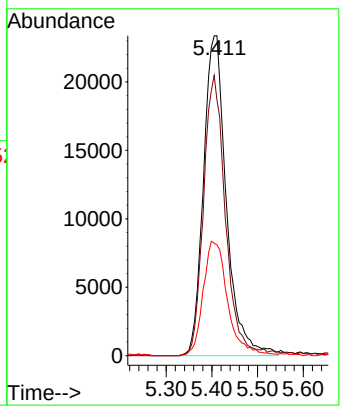




#15
Acrylonitrile
Concen: 98.400 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 53 Resp: 8155

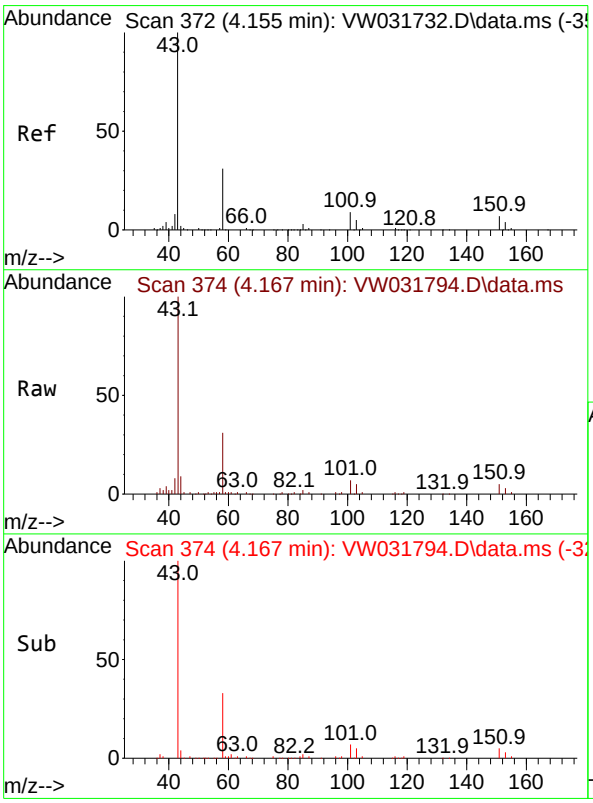
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	38.1	29.9	44.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

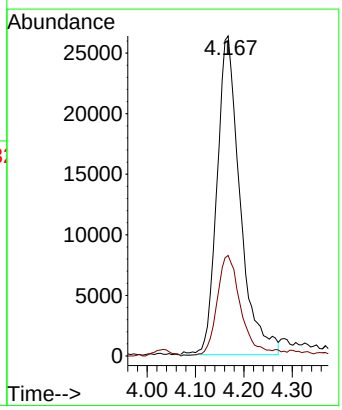
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

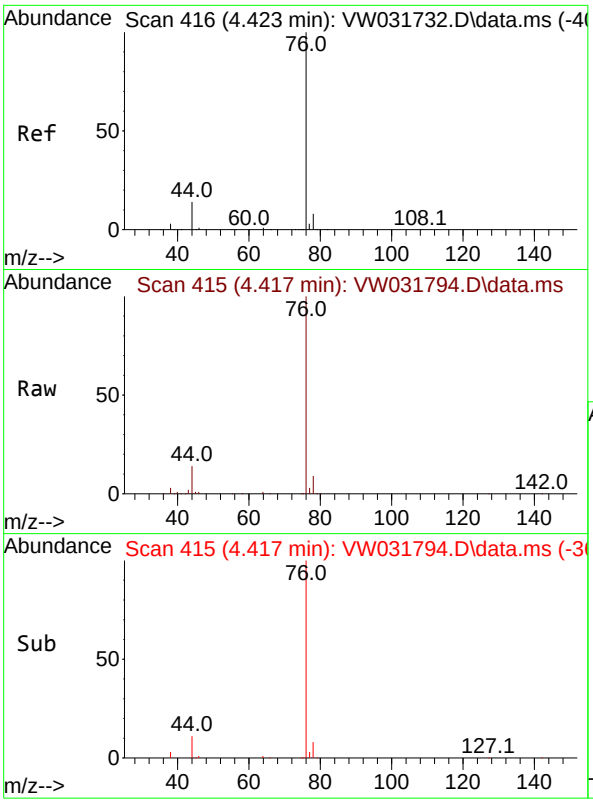


#16
Acetone
Concen: 108.797 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 87339

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17
Carbon Disulfide
Concen: 19.345 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

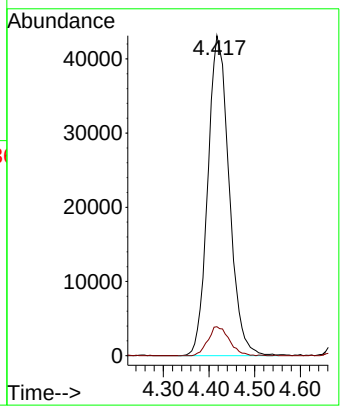
Tgt Ion: 76 Resp: 13959

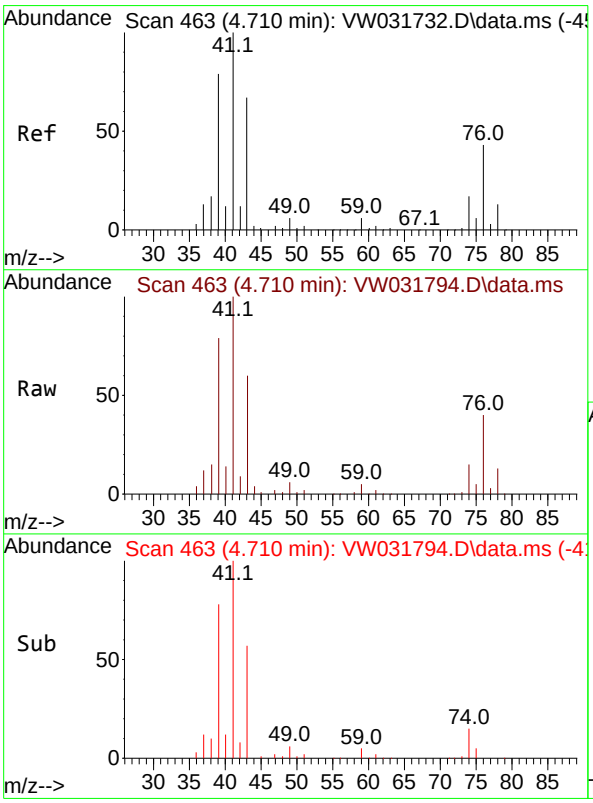
Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	10.0

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

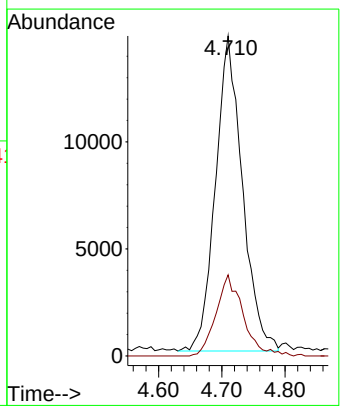


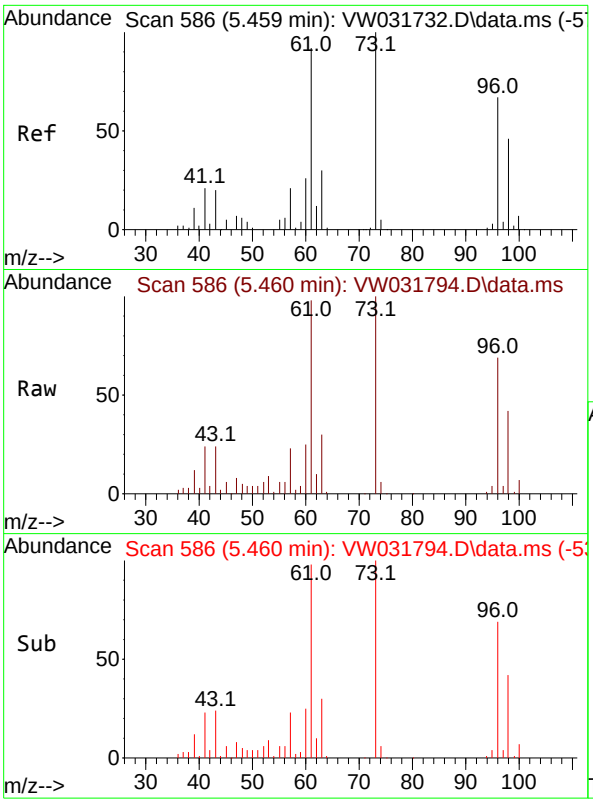


#18
Methyl Acetate
Concen: 18.957 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 43494

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	30.8

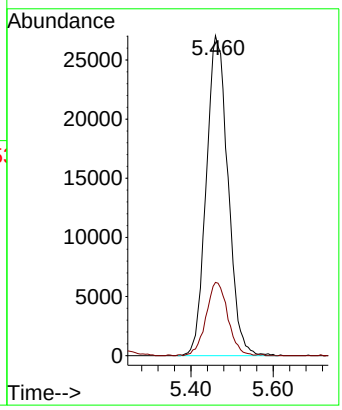




#19
Methyl tert-butyl Ether
Concen: 21.649 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 73 Resp: 9908

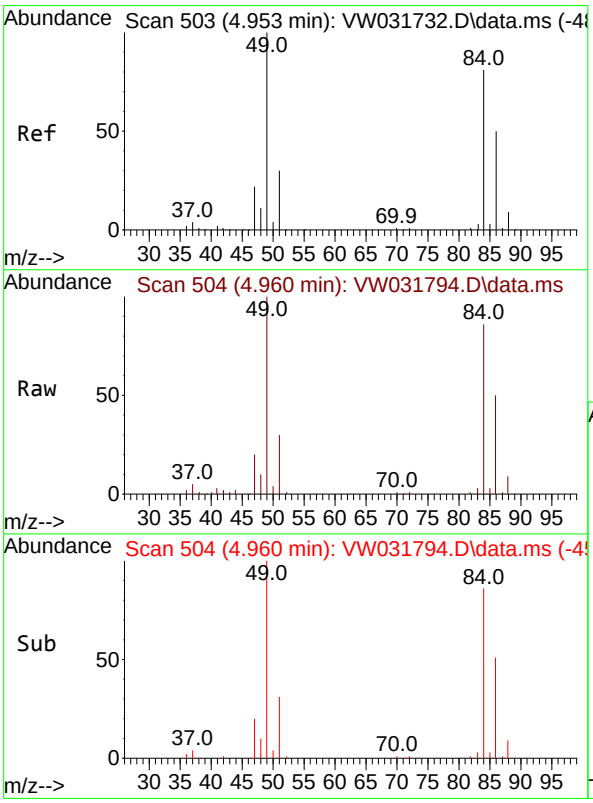
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.2	25.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

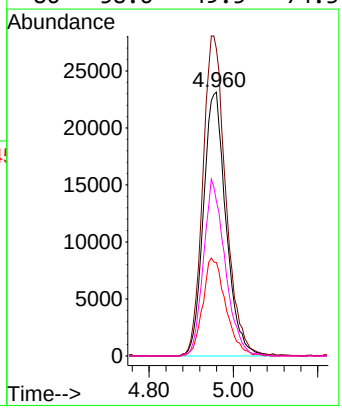
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

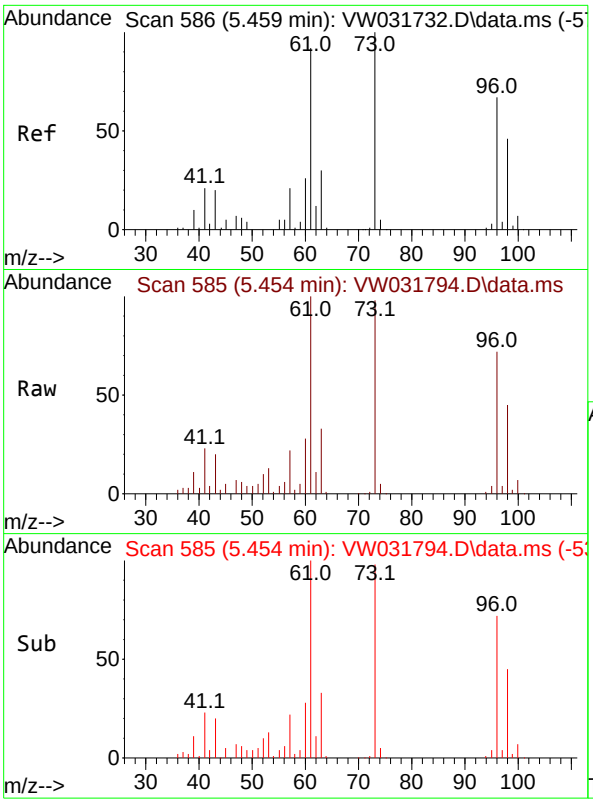


#20
Methylene Chloride
Concen: 24.362 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 84 Resp: 86229

Ion	Ratio	Lower	Upper
84	100		
49	116.2	98.2	147.4
51	35.4	29.8	44.8
86	58.6	49.5	74.3

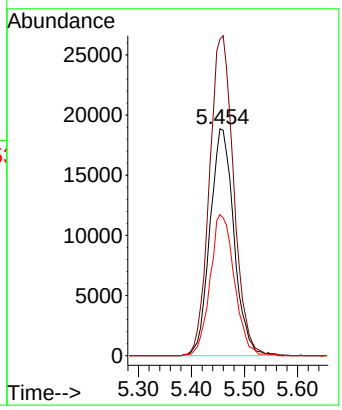




#21
trans-1,2-Dichloroethene
Concen: 20.645 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 96 Resp: 5915

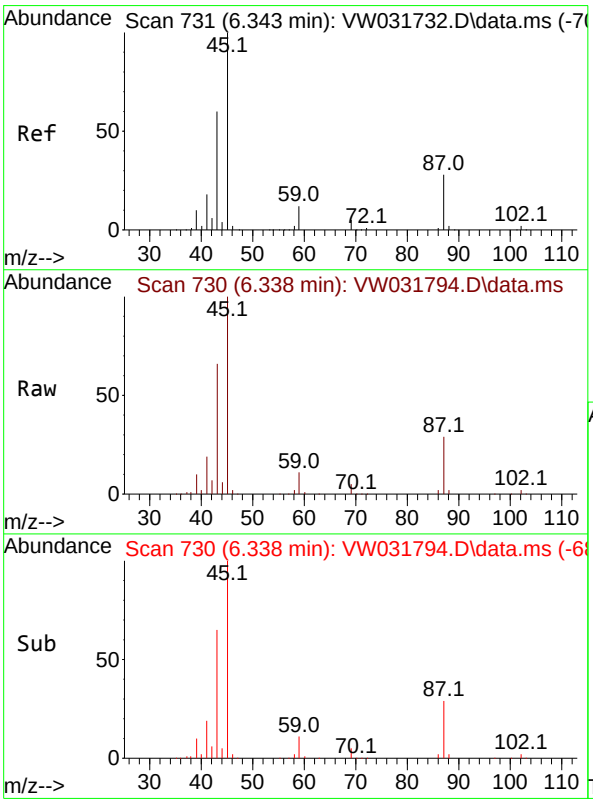
Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.8	164.6
98	62.2	54.9	82.3



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

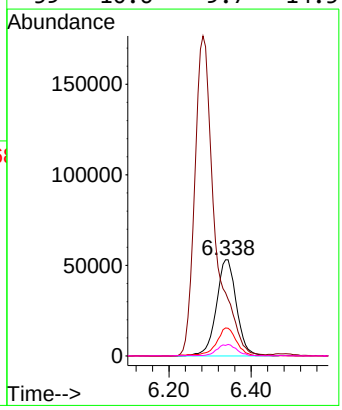
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

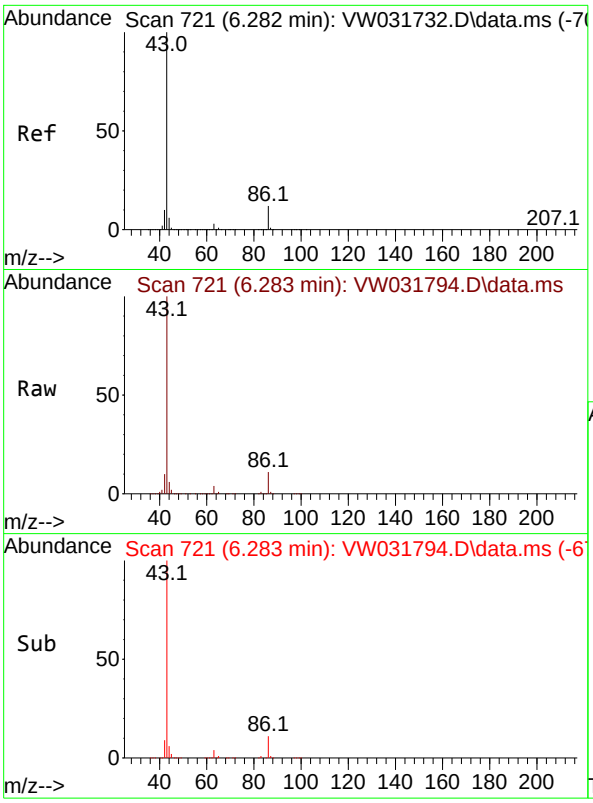


#22
Diisopropyl ether
Concen: 22.399 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 45 Resp: 180751

Ion	Ratio	Lower	Upper
45	100		
43	65.3	48.3	72.5
87	28.8	22.6	34.0
59	10.6	9.7	14.5

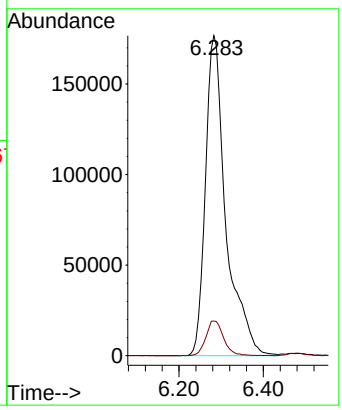




#23
Vinyl Acetate
Concen: 108.322 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 59704

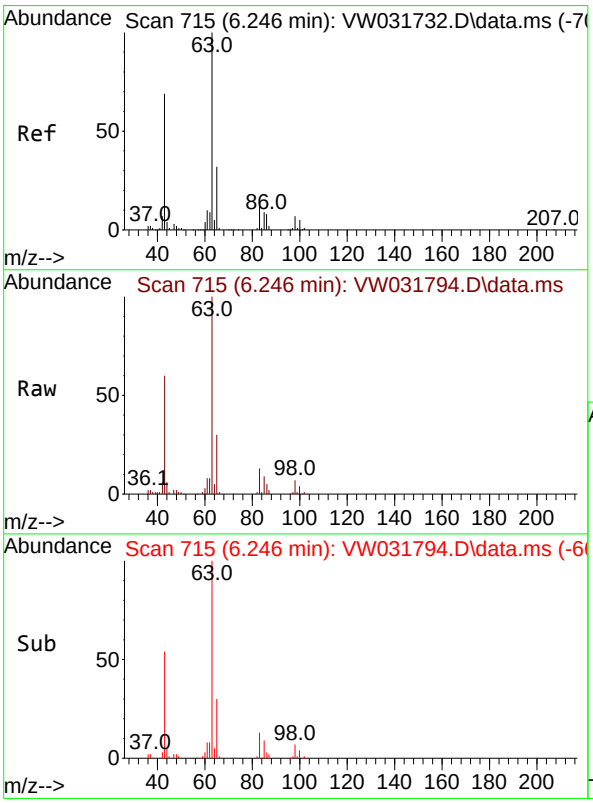
Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.2	13.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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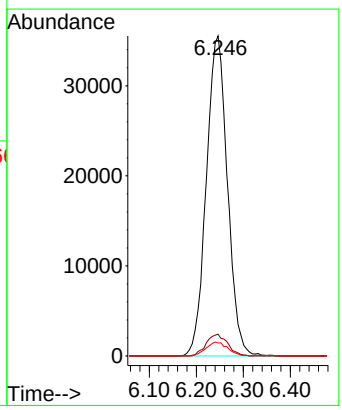
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

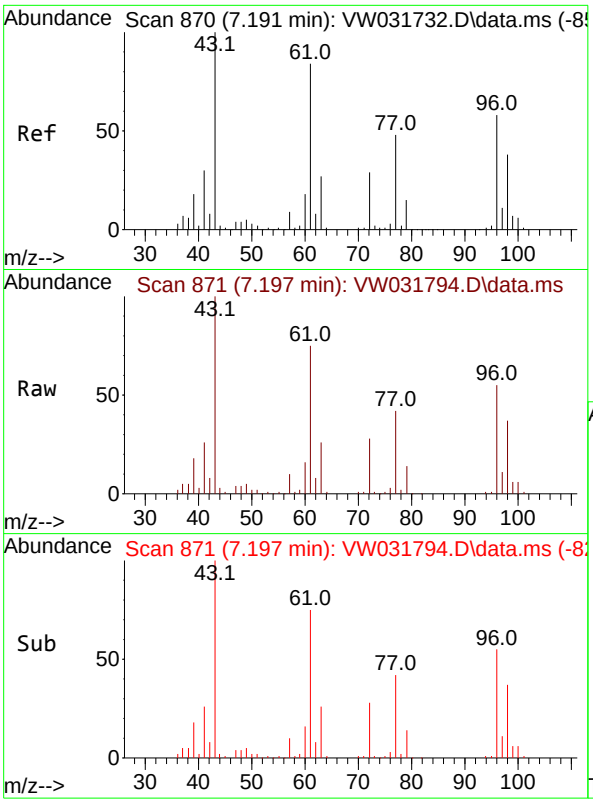


#24
1,1-Dichloroethane
Concen: 21.161 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 63 Resp: 110704

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.1	2.5	7.5

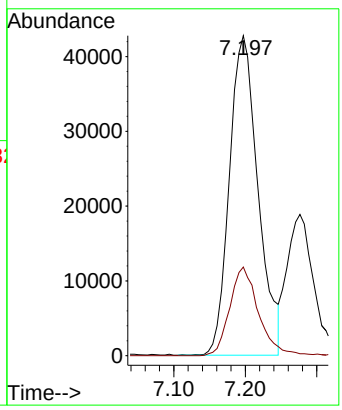




#25
2-Butanone
Concen: 114.064 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 11912

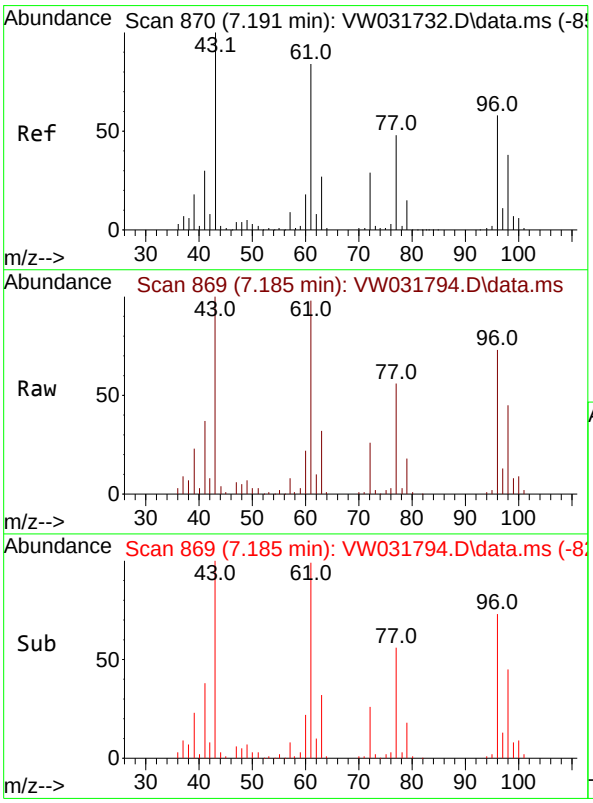
Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.0	34.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

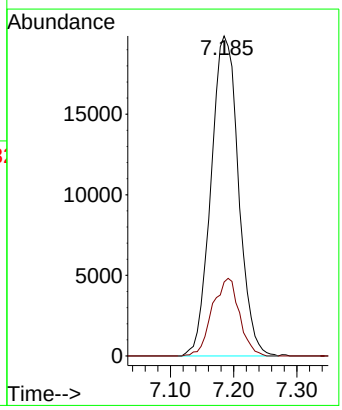
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

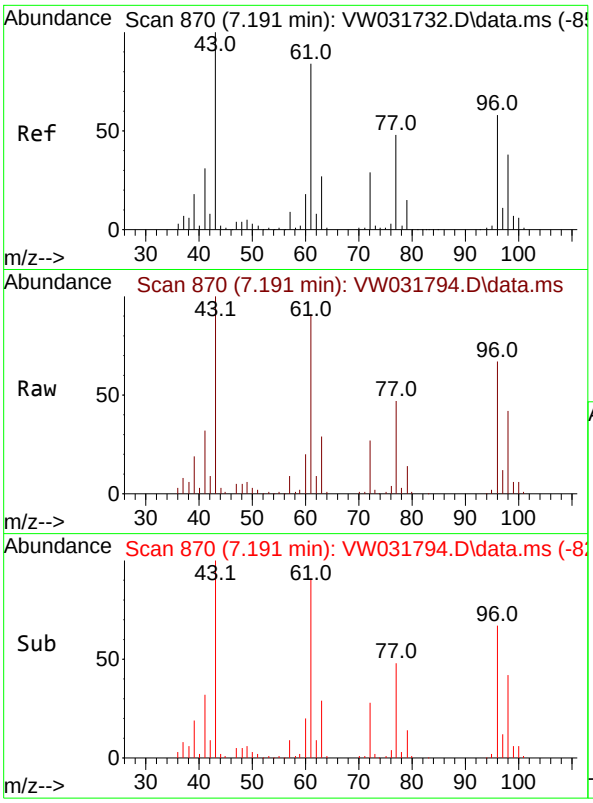


#26
2,2-Dichloropropane
Concen: 19.627 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 77 Resp: 59909

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.7

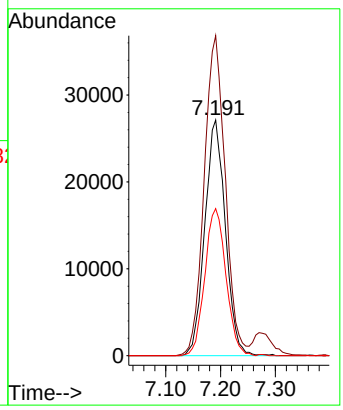




#27
cis-1,2-Dichloroethene
Concen: 21.429 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 96 Resp: 7058

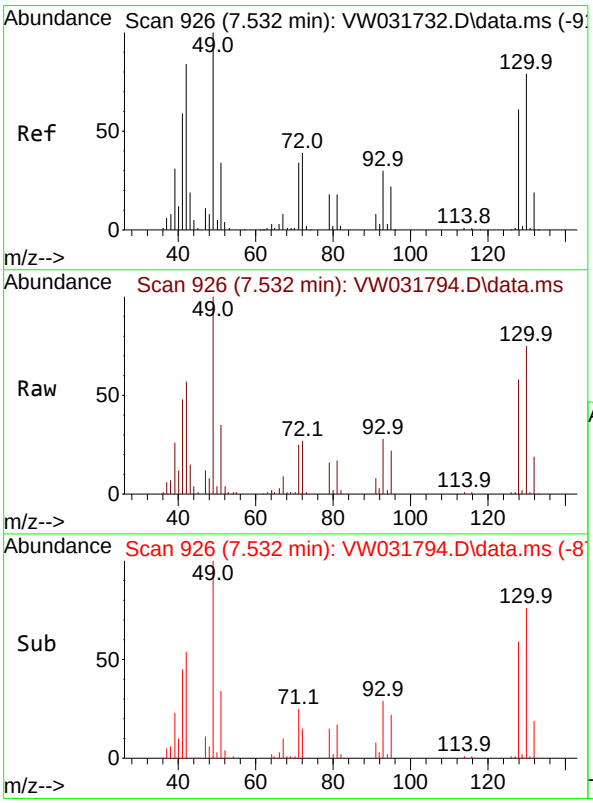
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	286.8
98	64.2	0.0	130.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

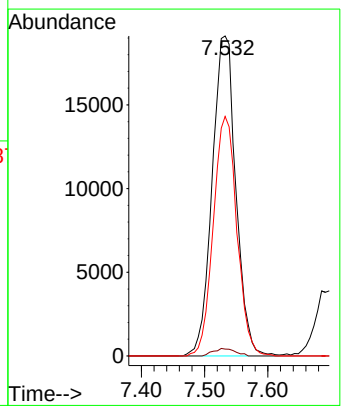
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

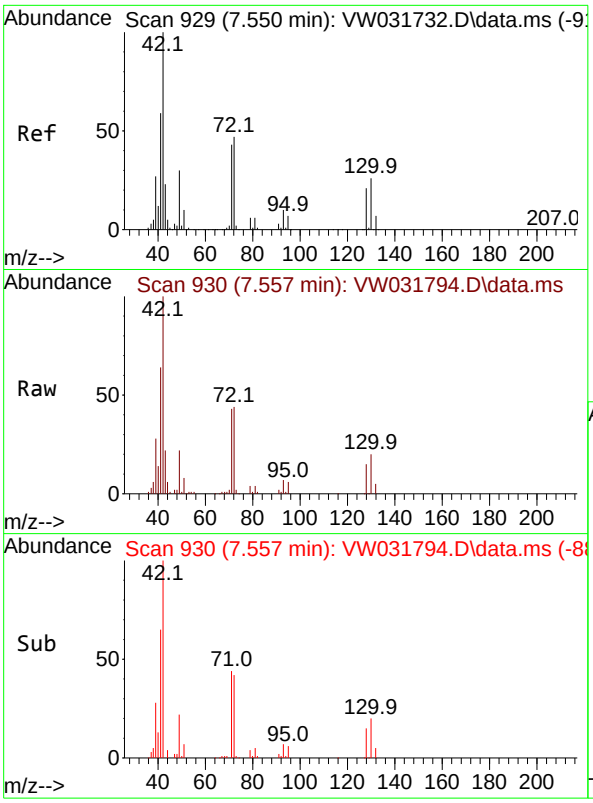


#28
Bromochloromethane
Concen: 21.520 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 49 Resp: 49683

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	74.4	61.3	91.9

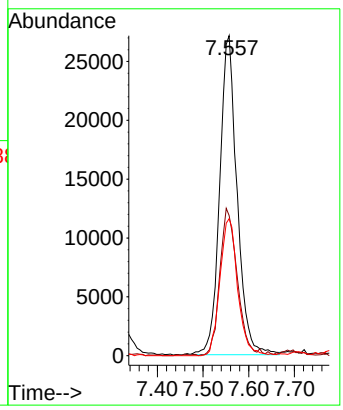




#29
Tetrahydrofuran
Concen: 100.351 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 42 Resp: 7177

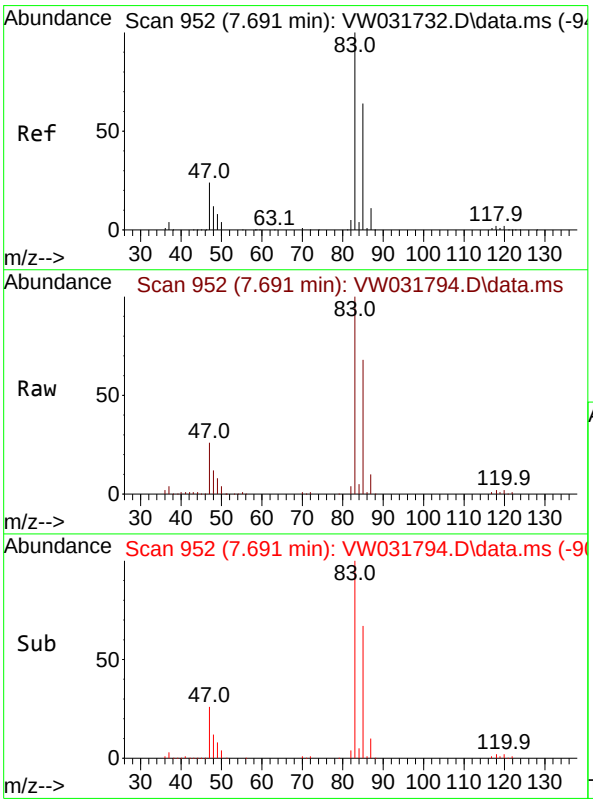
Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.8	55.2
71	43.8	34.6	52.0



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

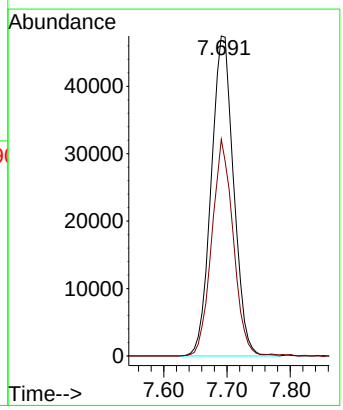
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

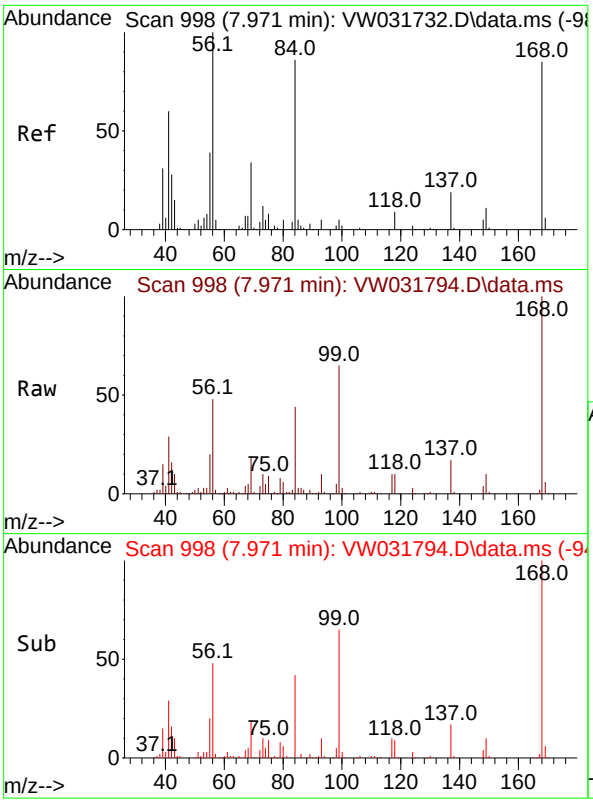


#30
Chloroform
Concen: 20.990 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 83 Resp: 116682

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.4	77.0

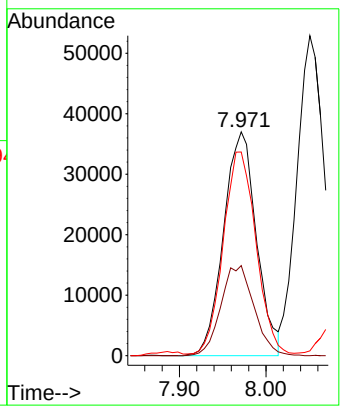




#31
Cyclohexane
Concen: 21.151 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 56 Resp: 9781

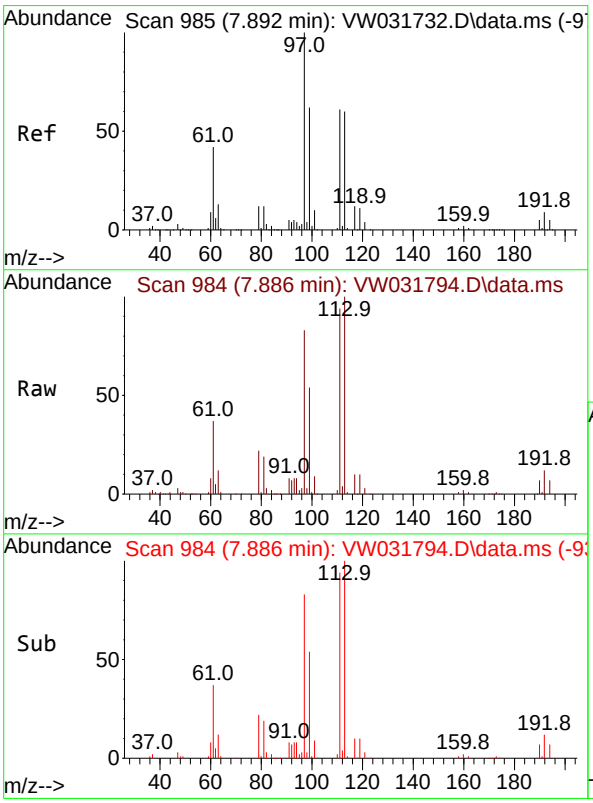
Ion	Ratio	Lower	Upper
56	100		
69	40.2	27.2	40.8
84	89.3	68.5	102.7



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

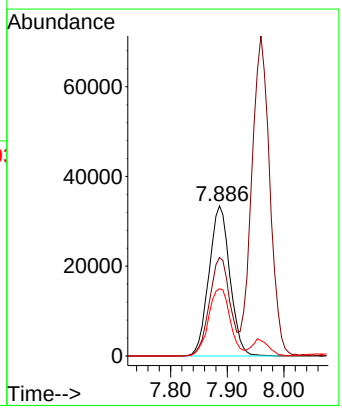
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

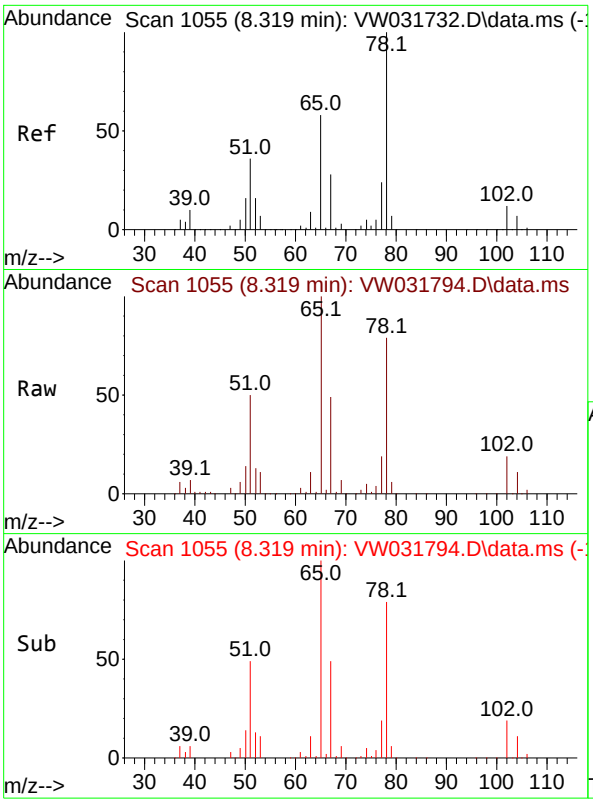


#32
1,1,1-Trichloroethane
Concen: 20.040 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 97 Resp: 85852

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	46.2	36.0	54.0

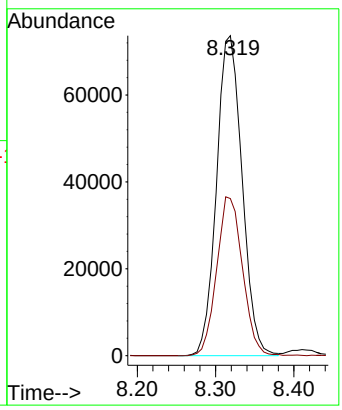




#33
1,2-Dichloroethane-d4
Concen: 51.507 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 65 Resp: 16728

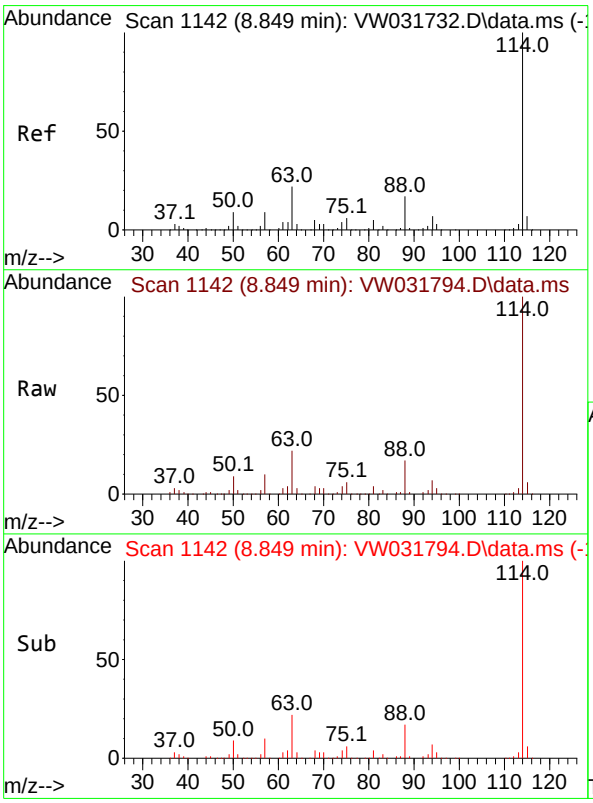
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

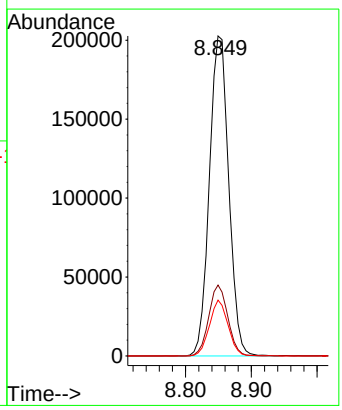
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

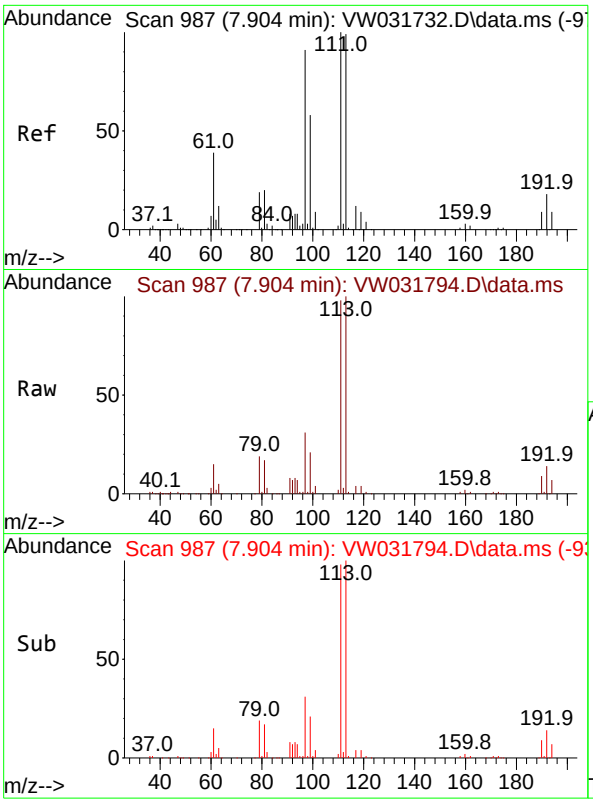


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:114 Resp: 415001

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.6
88	17.5	0.0	34.2

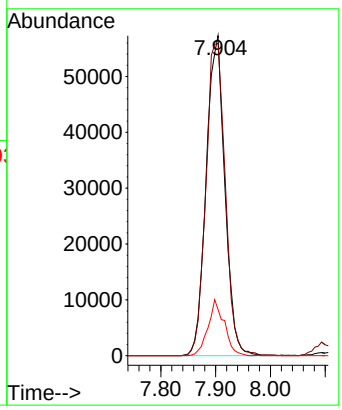




#35
Dibromofluoromethane
Concen: 49.906 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:113 Resp: 13514

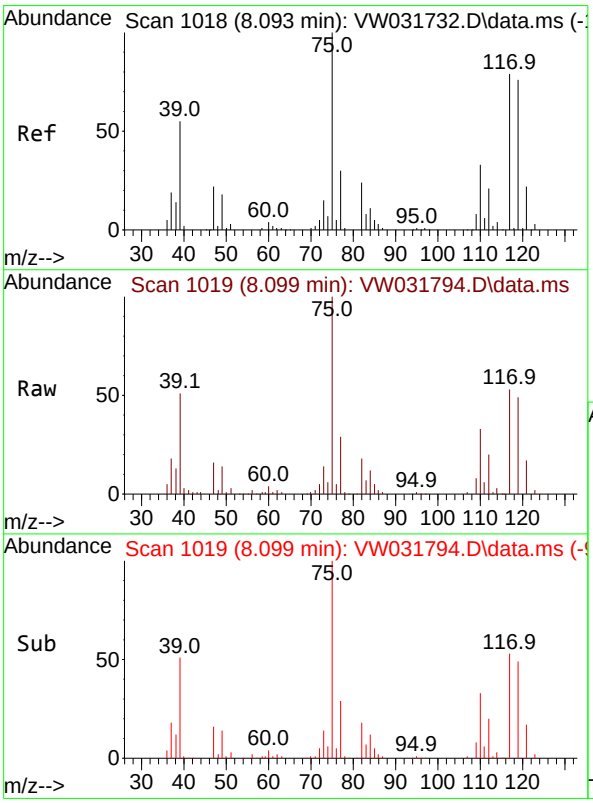
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.1	123.1
192	15.4	13.8	20.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

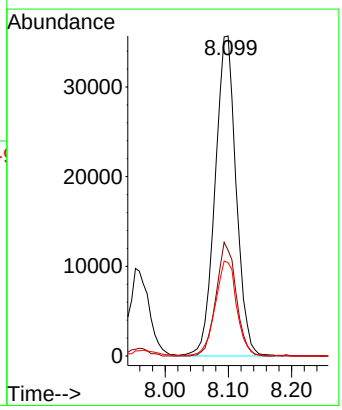
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

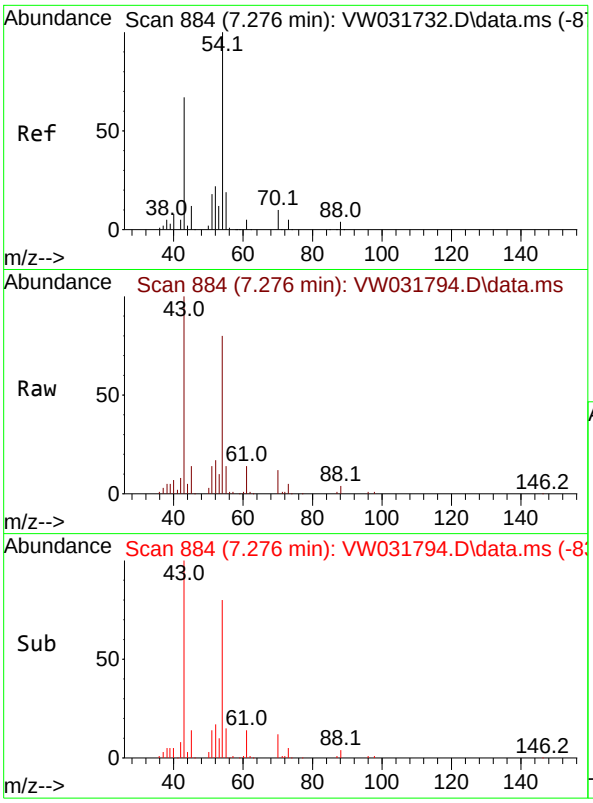


#36
1,1-Dichloropropene
Concen: 21.031 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 82416

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	30.2	25.0	37.6





#37
Ethyl Acetate
Concen: 20.164 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

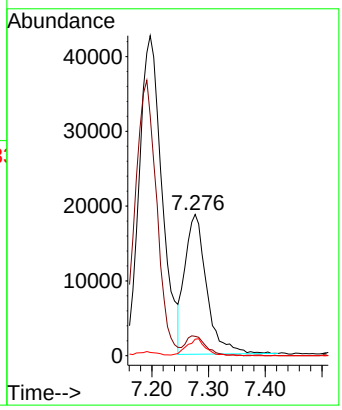
Tgt Ion: 43 Resp: 4984

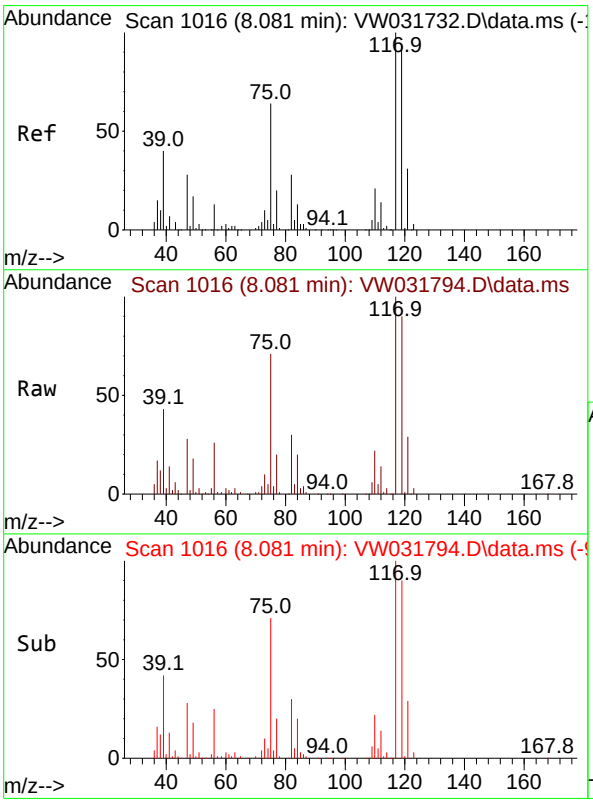
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	10.7	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

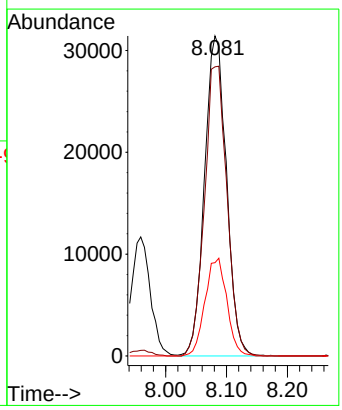


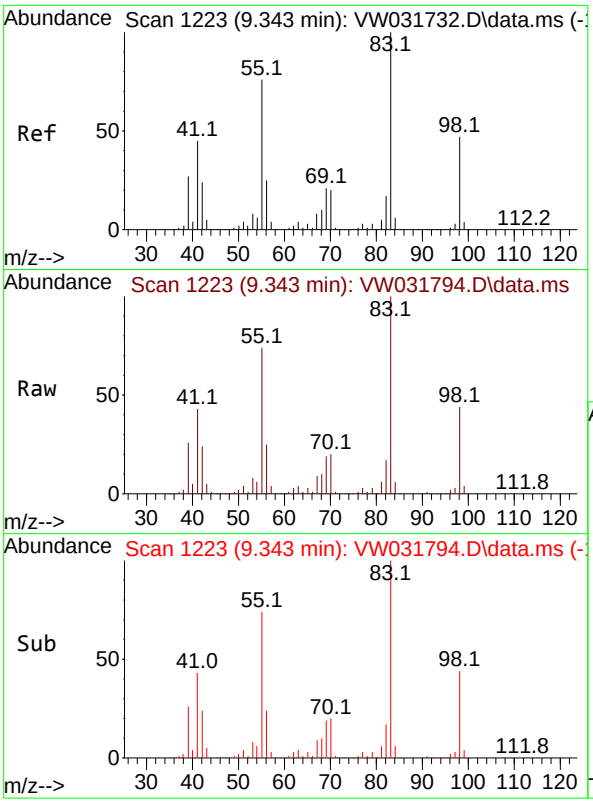


#38
Carbon Tetrachloride
Concen: 19.671 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:117 Resp: 78551

Ion	Ratio	Lower	Upper
117	100		
119	90.4	75.0	112.6
121	29.1	24.6	37.0

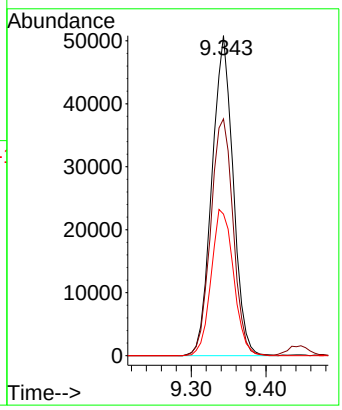




#39
Methylcyclohexane
Concen: 20.580 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 83 Resp: 10033

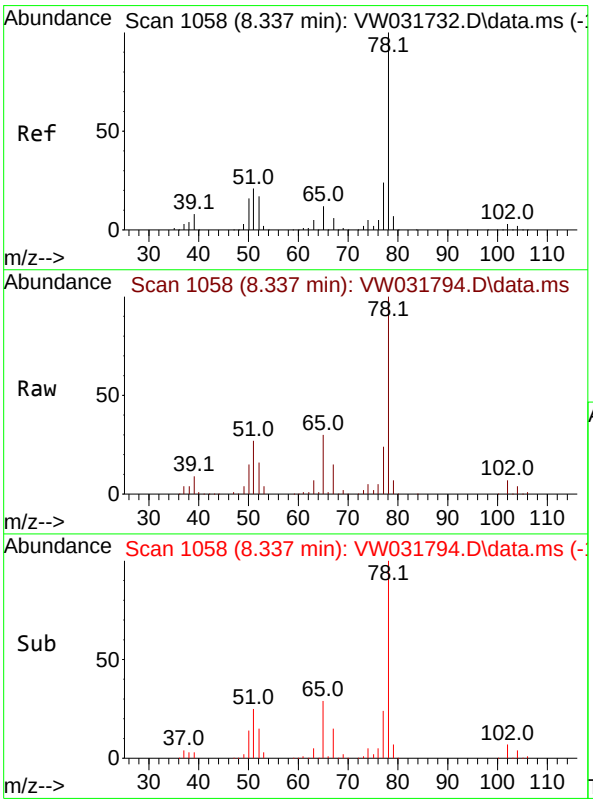
Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.0	91.4
98	44.2	37.9	56.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

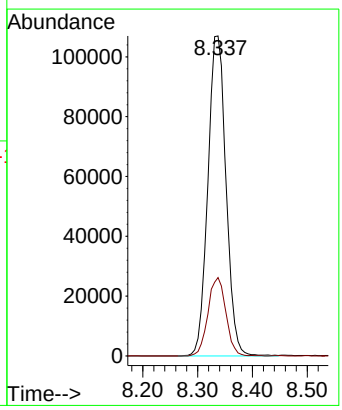
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

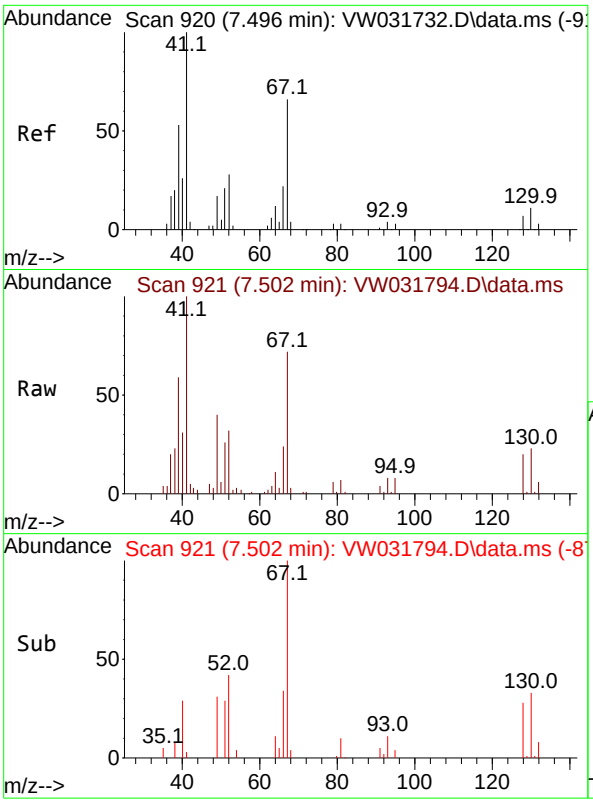


#40
Benzene
Concen: 21.163 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 78 Resp: 245359

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8

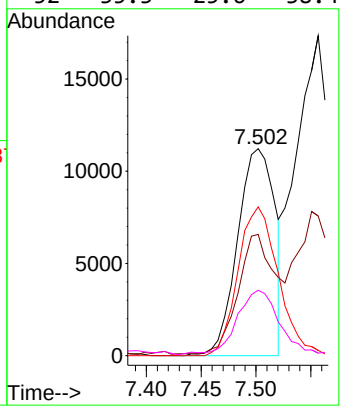




#41
Methacrylonitrile
Concen: 20.012 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 41 Resp: 2650

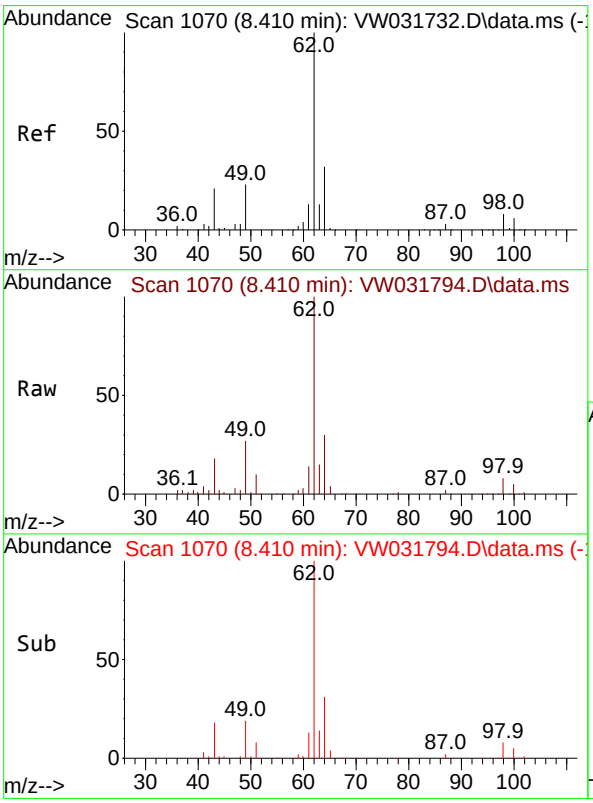
Ion	Ratio	Lower	Upper
41	100		
39	59.7	43.2	64.8
67	78.3	58.1	87.1
52	35.3	25.6	38.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

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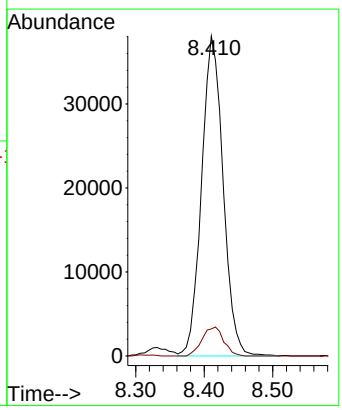
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

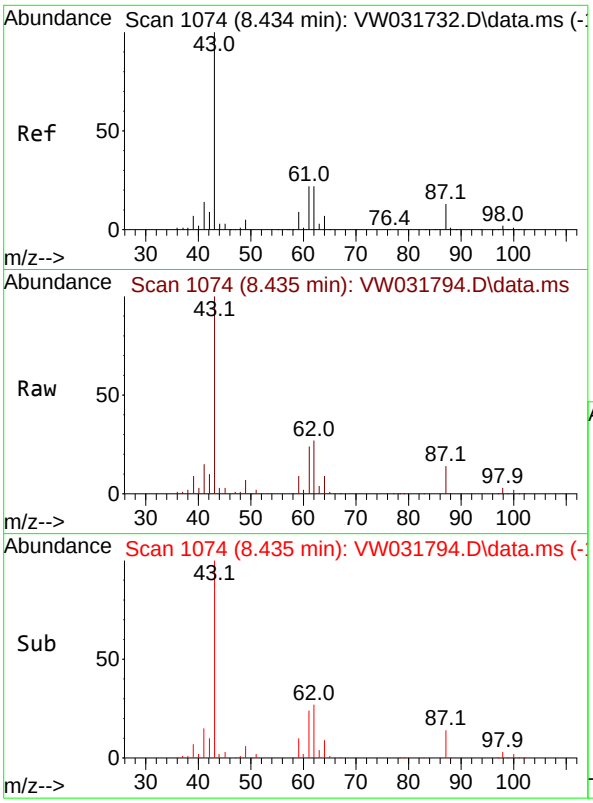


#42
1,2-Dichloroethane
Concen: 21.286 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 62 Resp: 83386

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2





#43
Isopropyl Acetate
Concen: 21.016 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

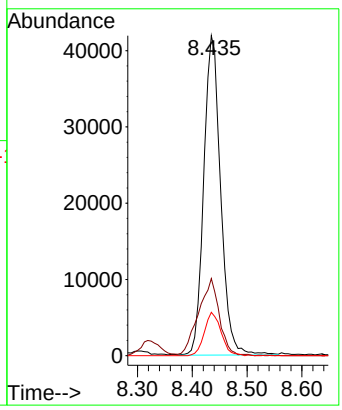
Tgt Ion: 43 Resp: 8955

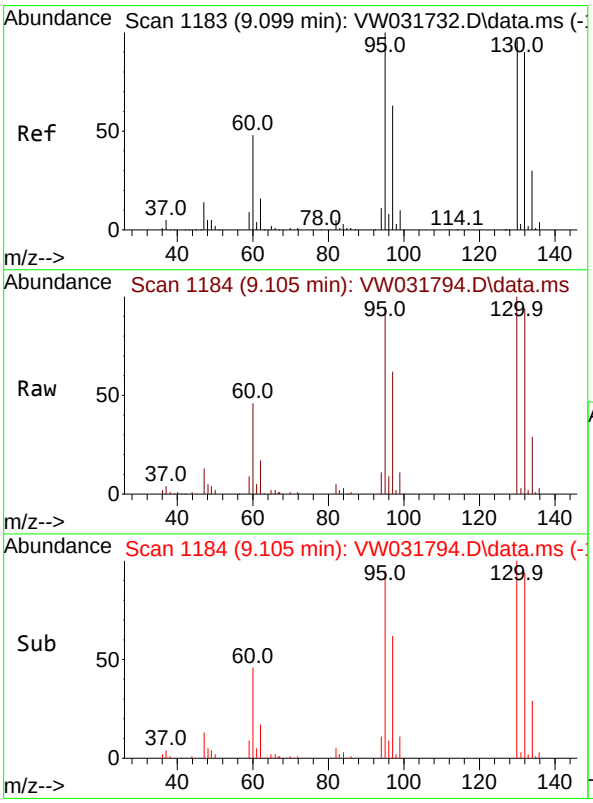
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.1	34.7
87	13.4	10.8	16.2

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

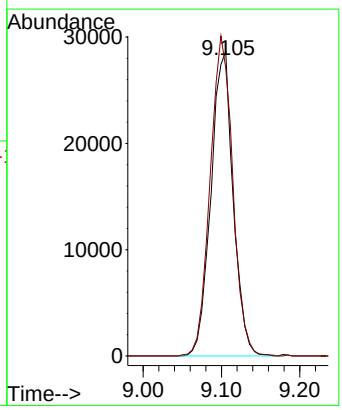


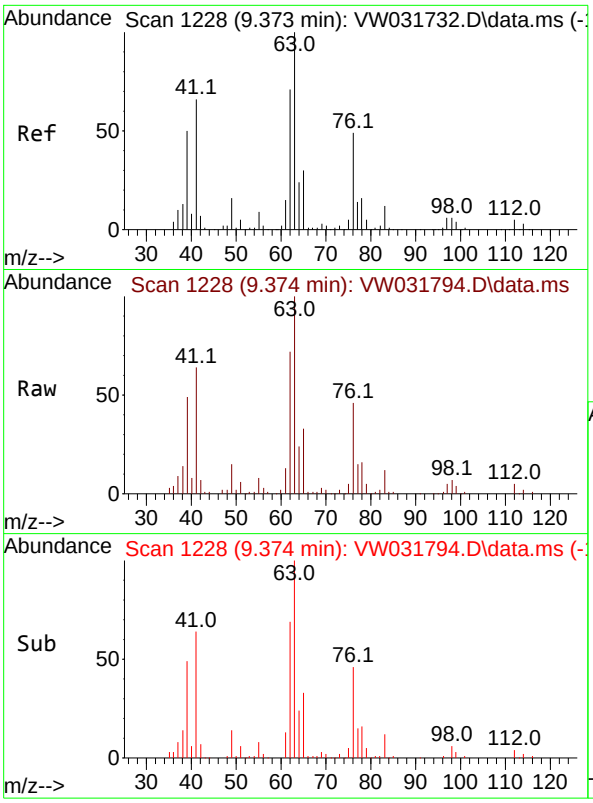


#44
Trichloroethene
Concen: 19.495 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:130 Resp: 56412

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	208.6

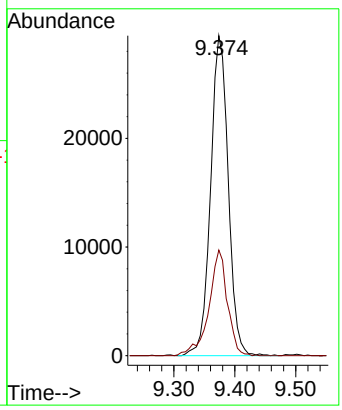




#45
1,2-Dichloropropane
Concen: 21.140 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 63 Resp: 5923

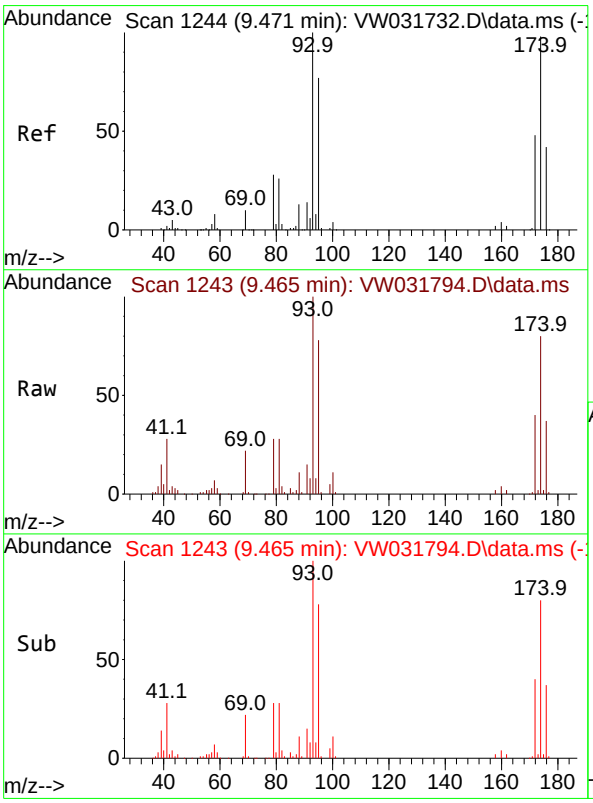
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.2	36.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

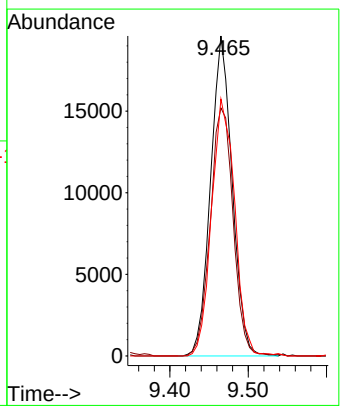
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

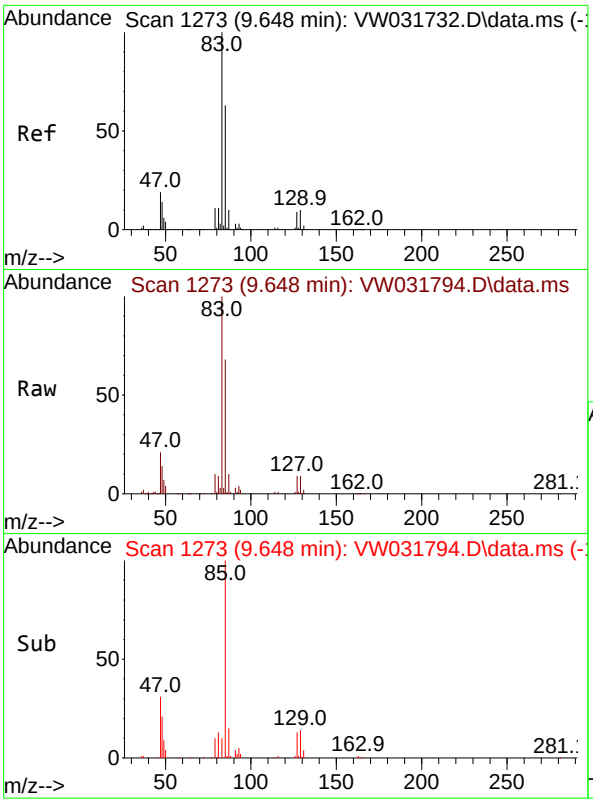


#46
Dibromomethane
Concen: 20.784 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 93 Resp: 37600

Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.0	100.4
174	86.0	71.7	107.5

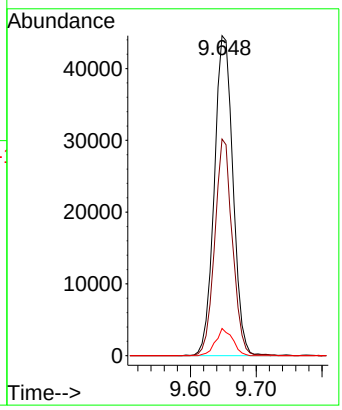




#47
Bromodichloromethane
Concen: 20.787 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 83 Resp: 8818

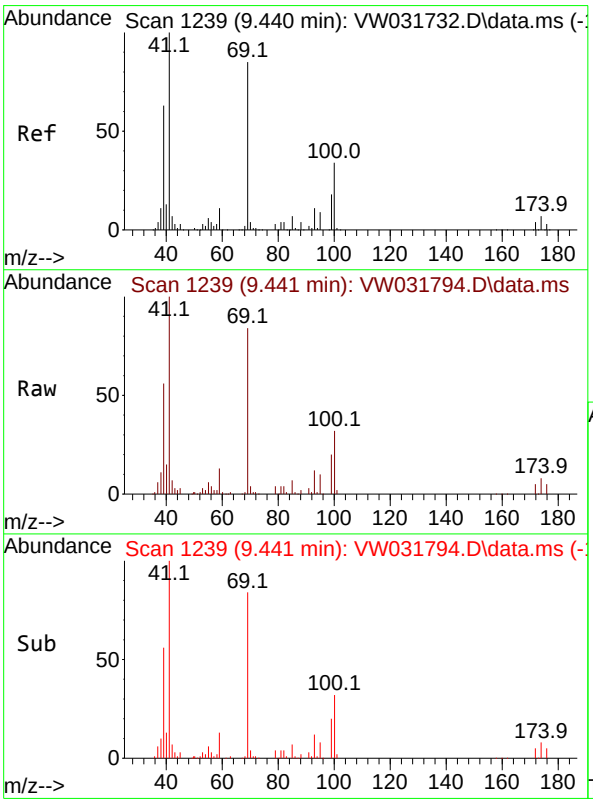
Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.8	76.2
127	8.5	6.8	10.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

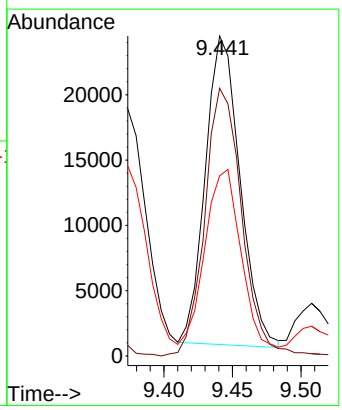
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

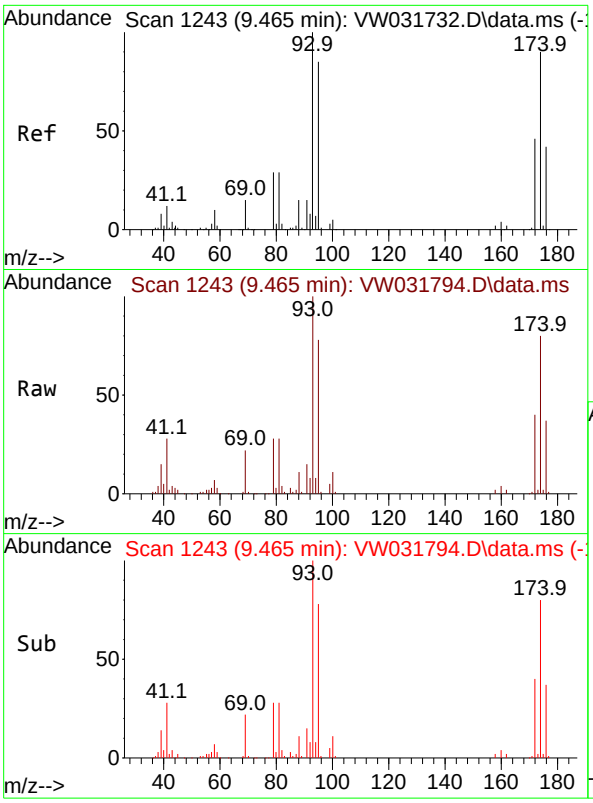


#48
Methyl methacrylate
Concen: 19.888 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 41 Resp: 41670

Ion	Ratio	Lower	Upper
41	100		
69	92.4	71.6	107.4
39	58.9	49.5	74.3

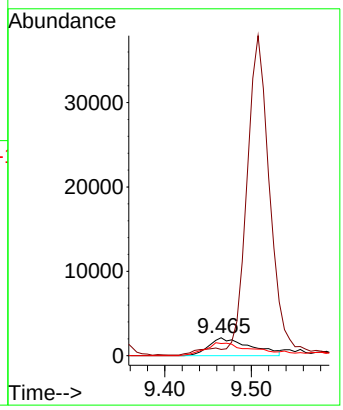




#49
1,4-Dioxane
Concen: 333.450 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 88 Resp: 706

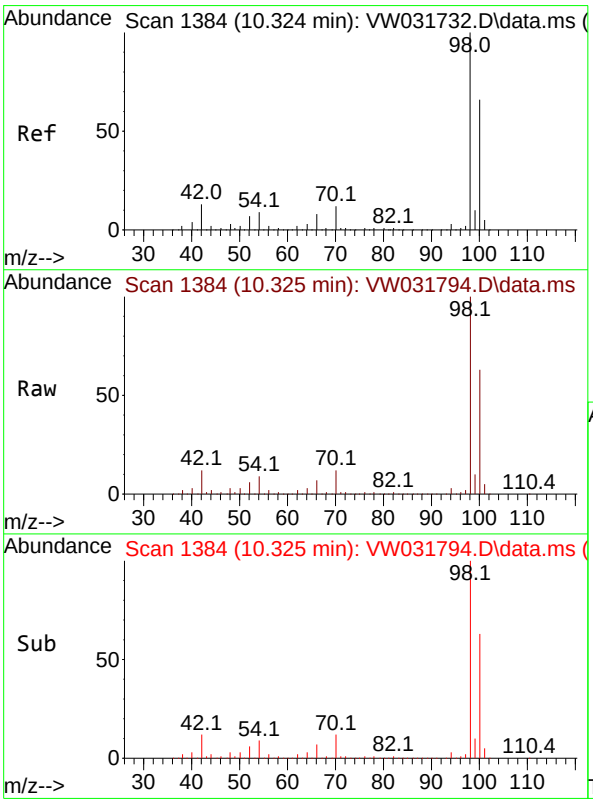
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	85.0	58.3	87.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

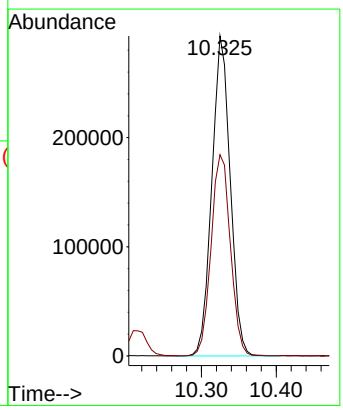
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

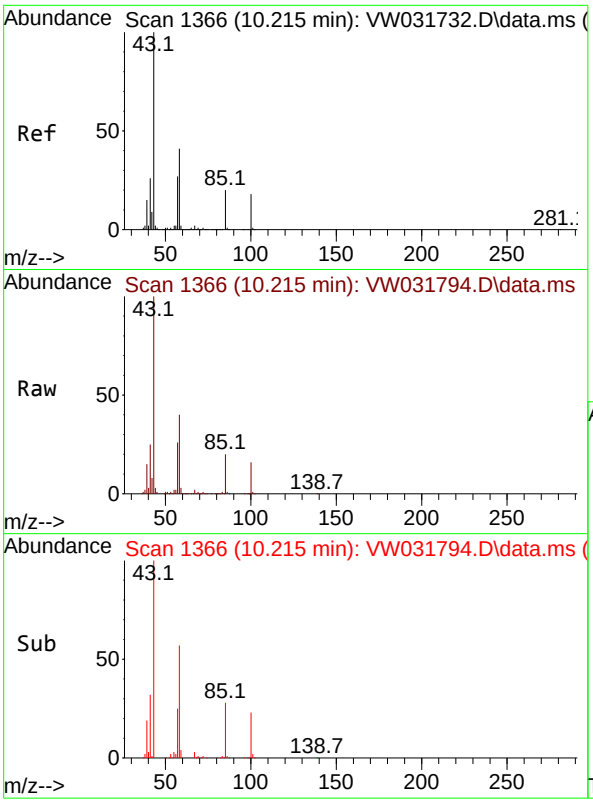


#50
Toluene-d8
Concen: 49.812 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 98 Resp: 501996

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4

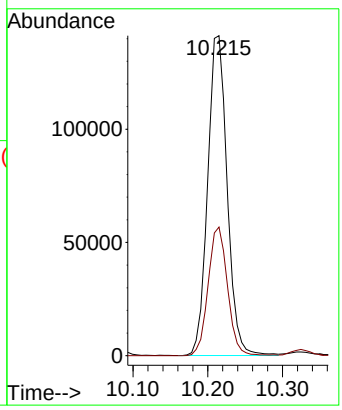




#51
4-Methyl-2-Pentanone
Concen: 104.592 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 25623

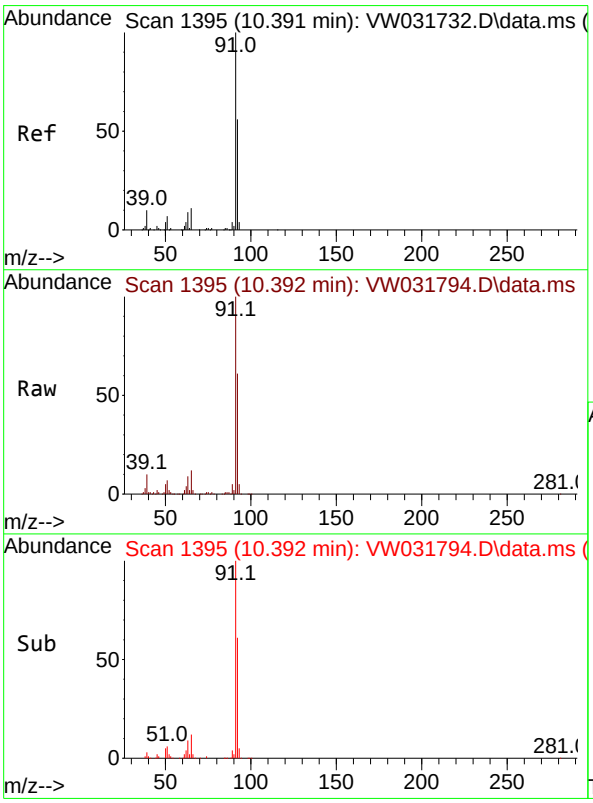
Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

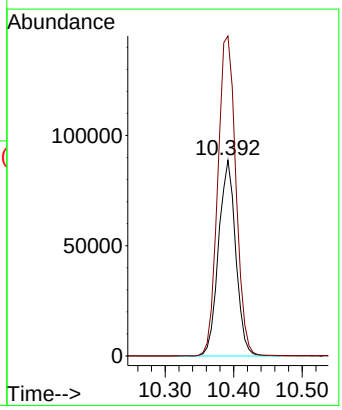
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

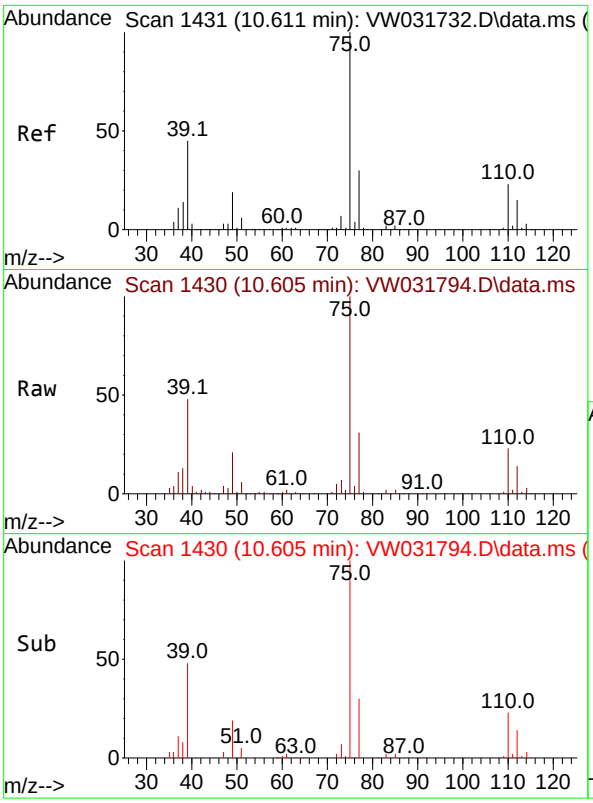


#52
Toluene
Concen: 20.732 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 92 Resp: 153896

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.5	209.3

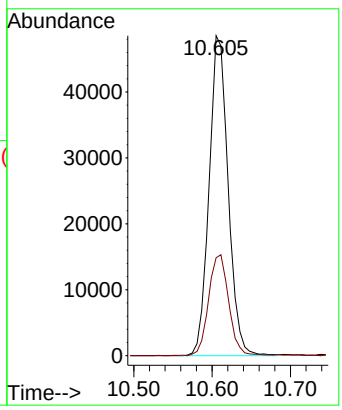




#53
t-1,3-Dichloropropene
Concen: 20.615 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 8205

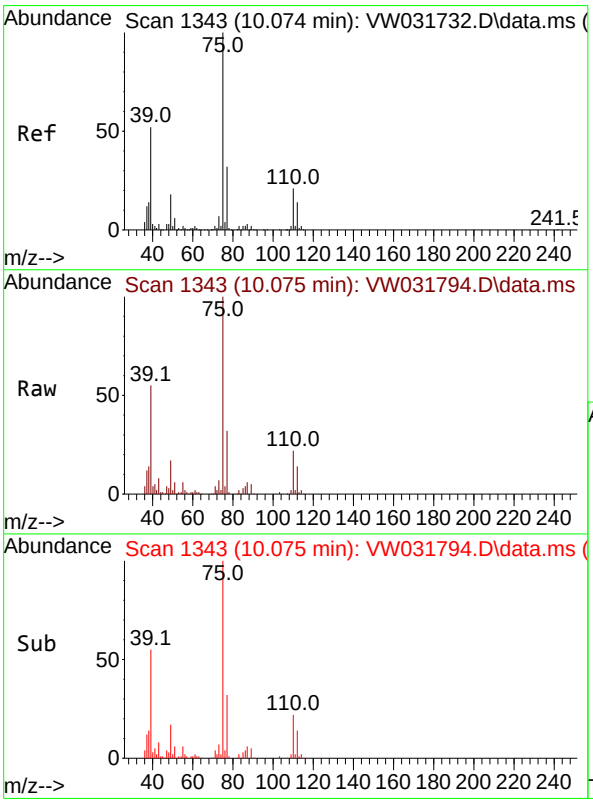
Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.3	36.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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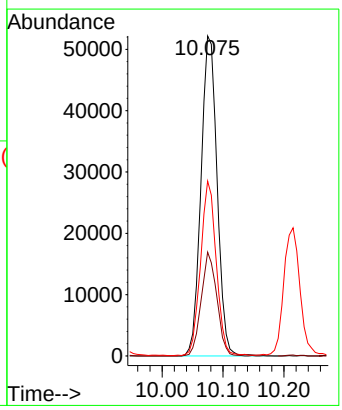
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

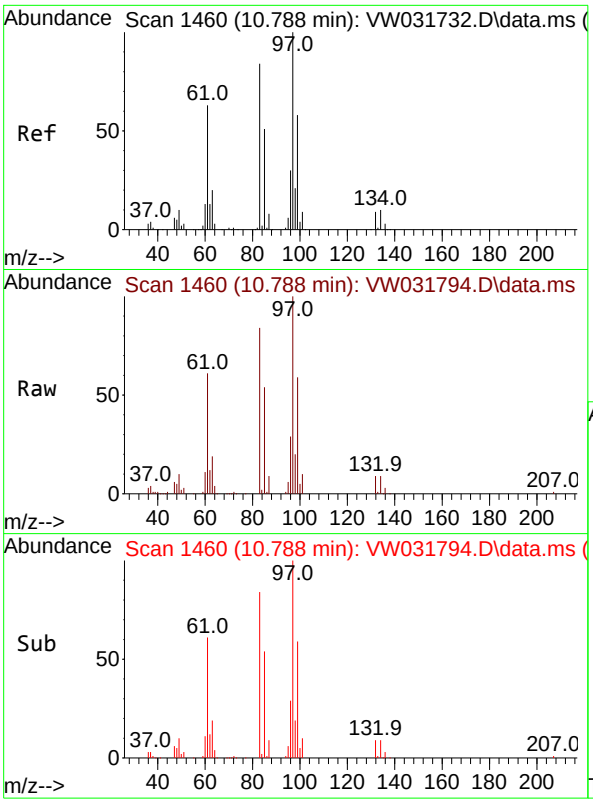


#54
cis-1,3-Dichloropropene
Concen: 21.250 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 95884

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2
39	54.4	41.8	62.6

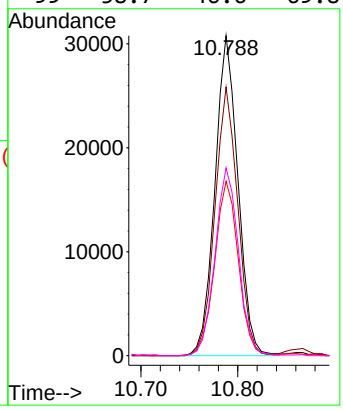




#55
1,1,2-Trichloroethane
Concen: 21.503 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 97 Resp: 5095

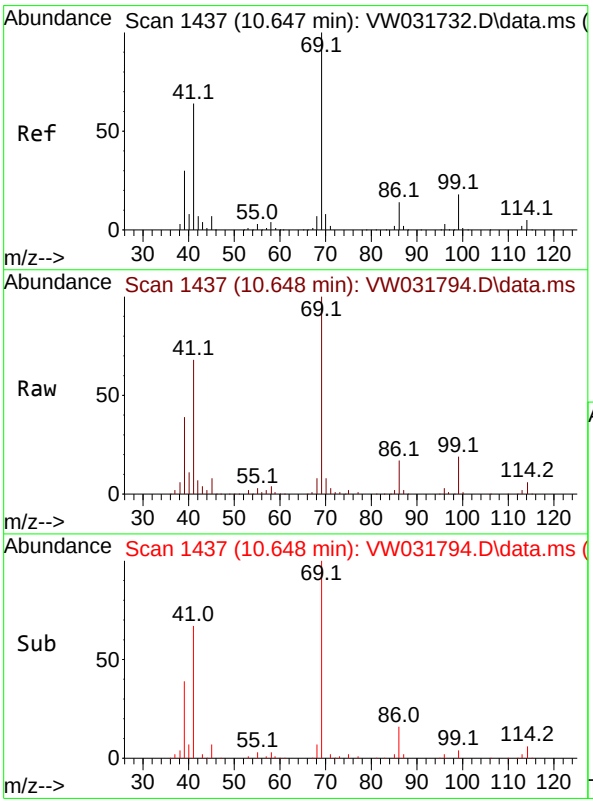
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.9	100.3
85	54.5	41.1	61.7
99	58.7	46.6	69.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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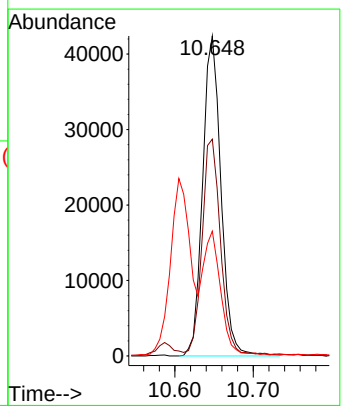
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

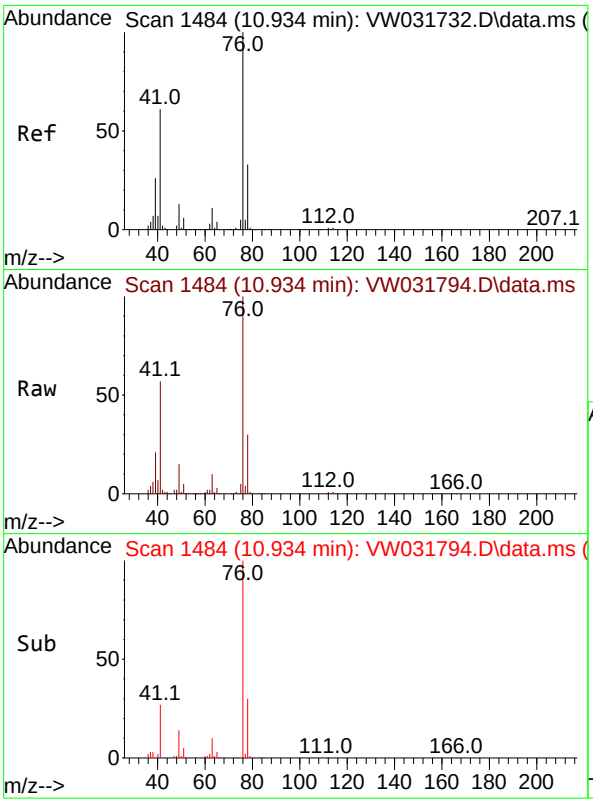


#56
Ethyl methacrylate
Concen: 21.495 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 69 Resp: 69105

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.3	79.9
39	36.5	30.2	45.2

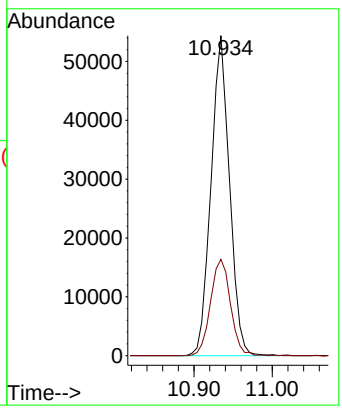




#57
1,3-Dichloropropane
Concen: 21.458 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 76 Resp: 8927

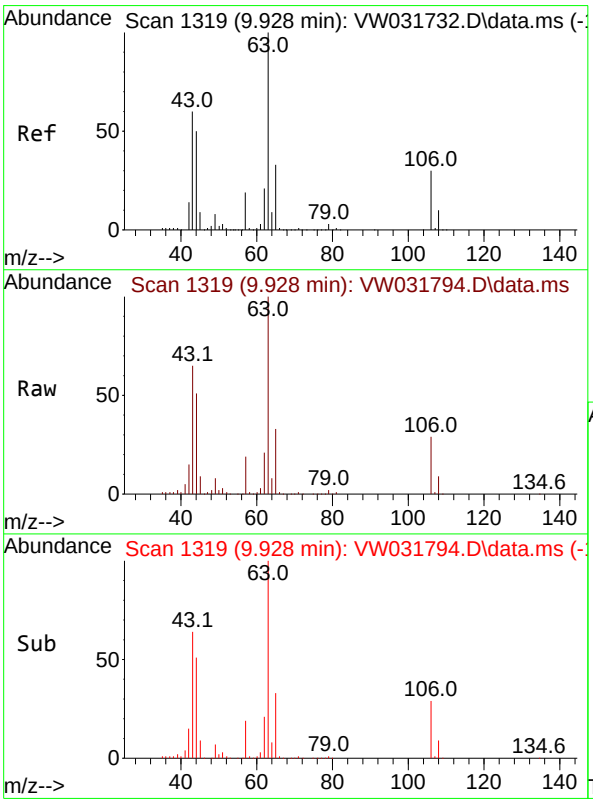
Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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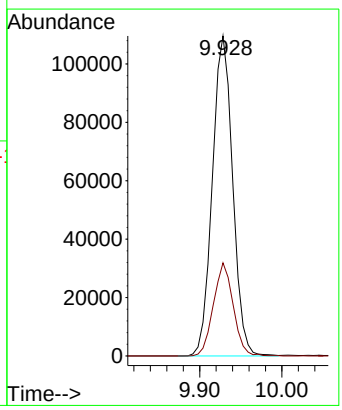
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

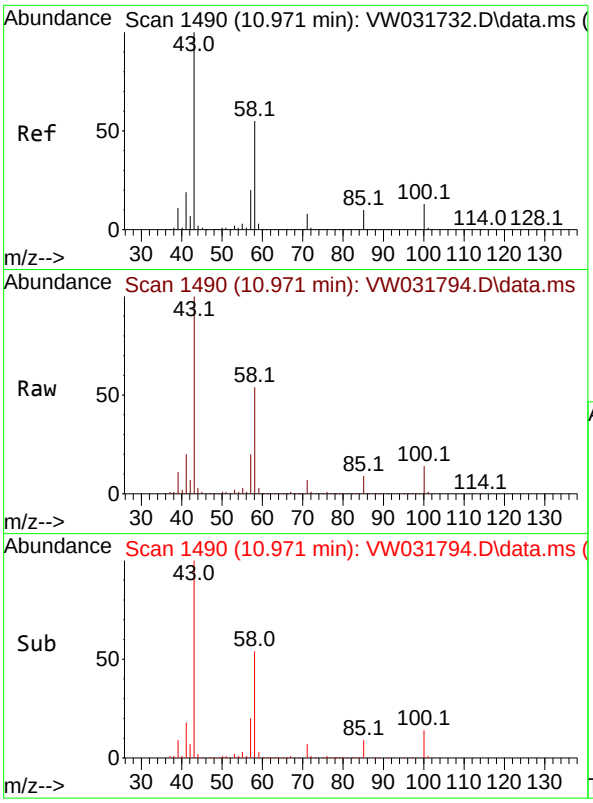


#58
2-Chloroethyl Vinyl ether
Concen: 106.389 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 63 Resp: 188338

Ion	Ratio	Lower	Upper
63	100		
106	28.3	24.1	36.1





#59
2-Hexanone
Concen: 111.025 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

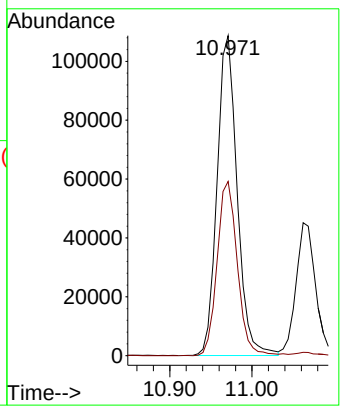
Tgt Ion: 43 Resp: 18431

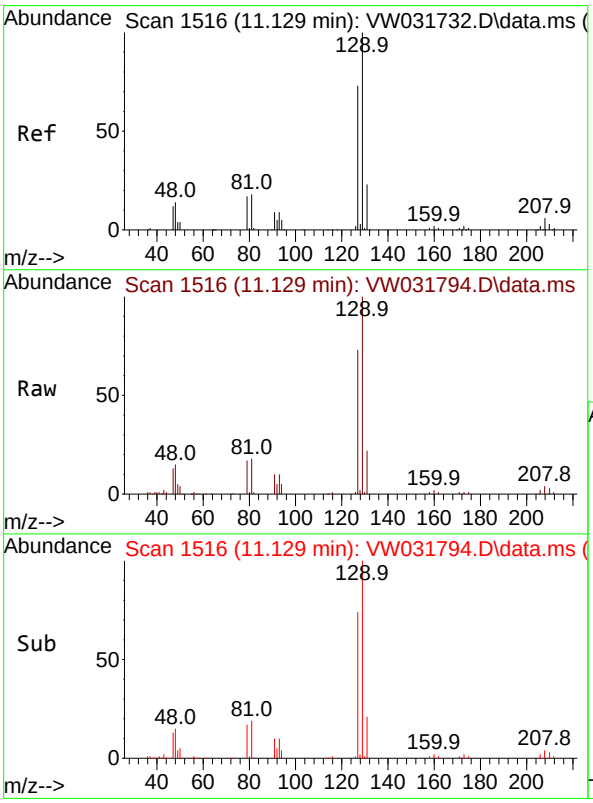
Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.9	83.6

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

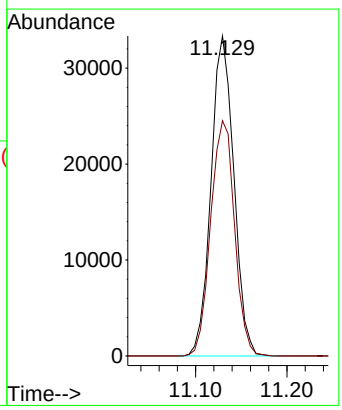


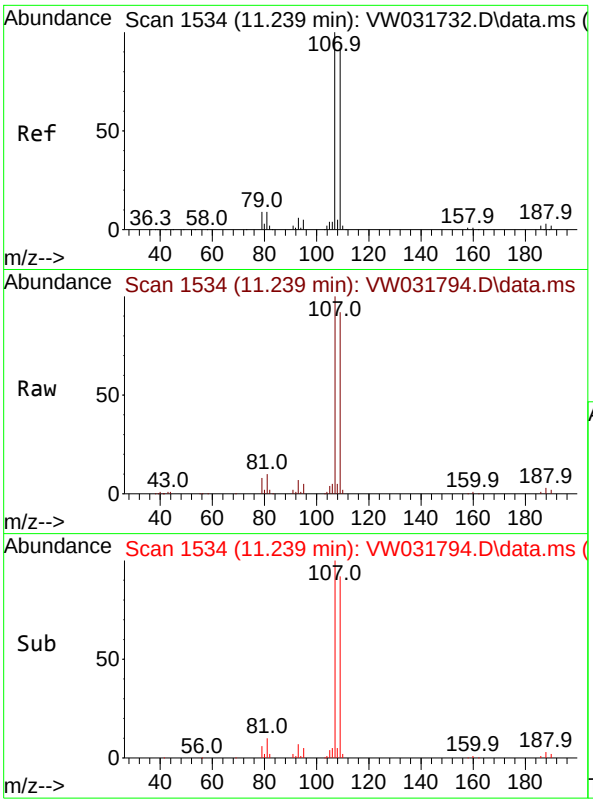


#60
Dibromochloromethane
Concen: 20.436 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:129 Resp: 57910

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.0	114.1

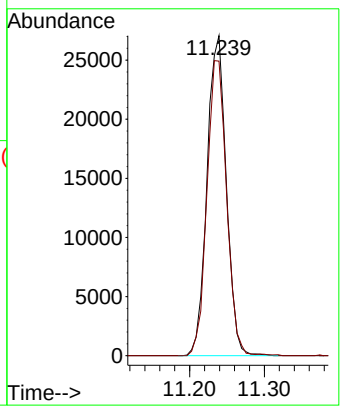




#61
1,2-Dibromoethane
Concen: 20.461 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:107 Resp: 4853

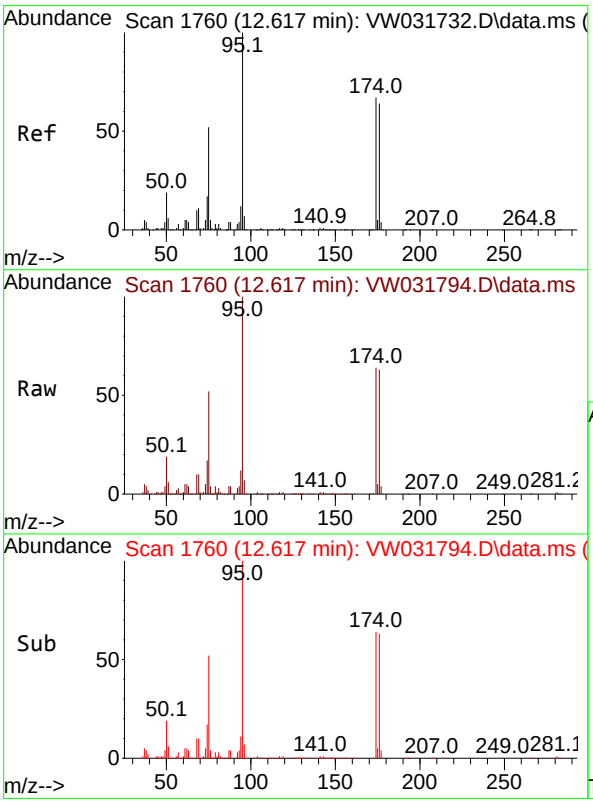
Ion	Ratio	Lower	Upper
107	100		
109	94.3	73.9	110.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

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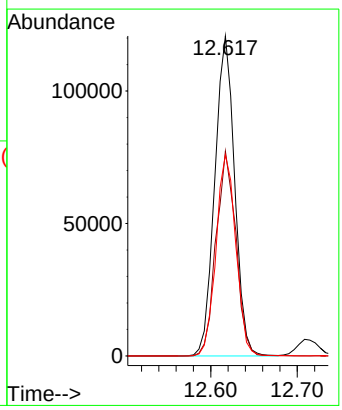
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

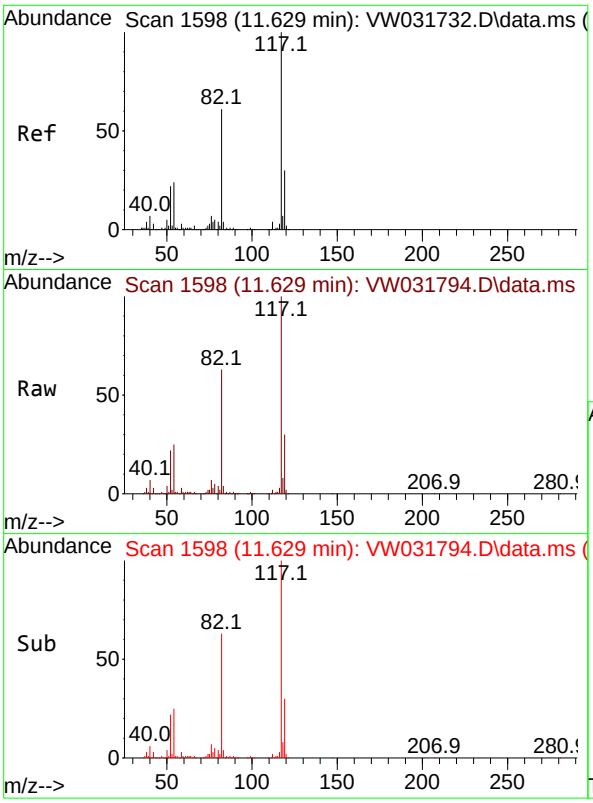


#62
4-Bromofluorobenzene
Concen: 51.890 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 95 Resp: 192442

Ion	Ratio	Lower	Upper
95	100		
174	63.8	0.0	133.8
176	62.7	0.0	126.0

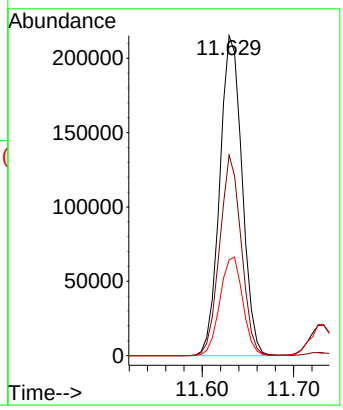




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:117 Resp: 36555

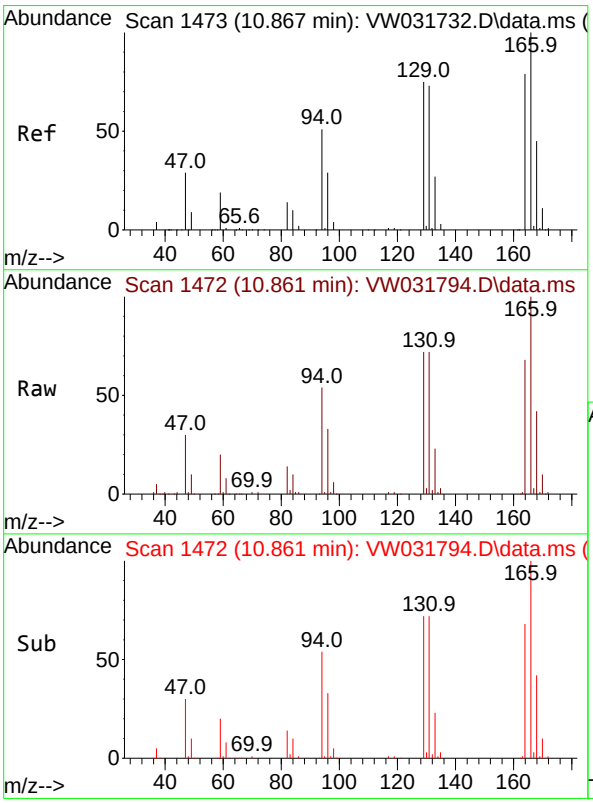
Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.6	72.8
119	29.9	23.9	35.9



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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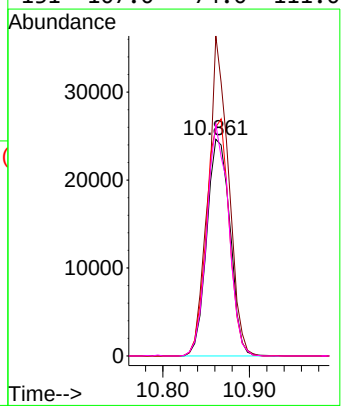
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

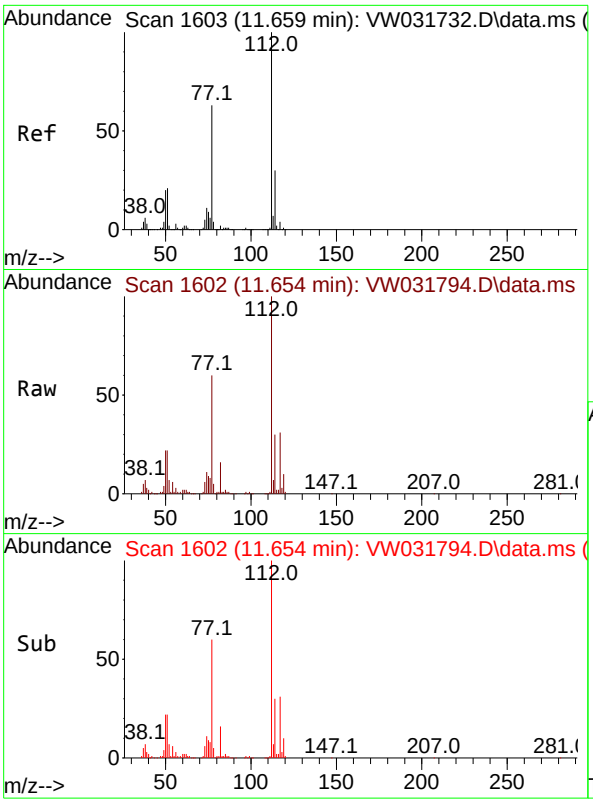


#64
Tetrachloroethene
Concen: 19.175 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:164 Resp: 45851

Ion	Ratio	Lower	Upper
164	100		
166	147.8	100.7	151.1
129	105.7	75.4	113.0
131	107.0	74.0	111.0

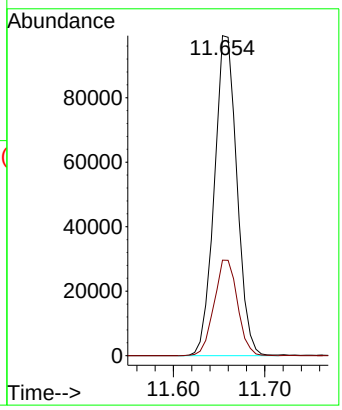




#65
Chlorobenzene
Concen: 21.158 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:112 Resp: 17065

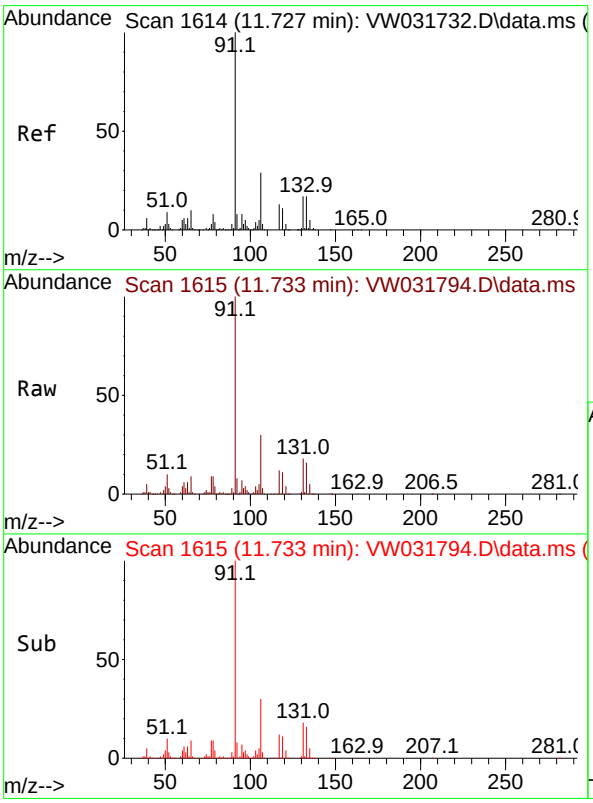
Ion	Ratio	Lower	Upper
112	100		
114	29.8	23.8	35.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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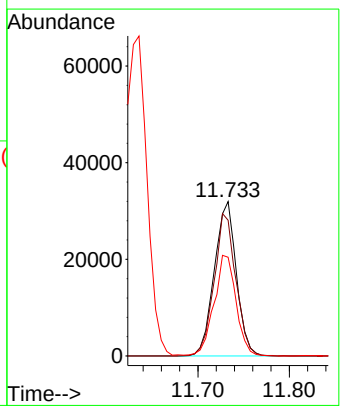
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

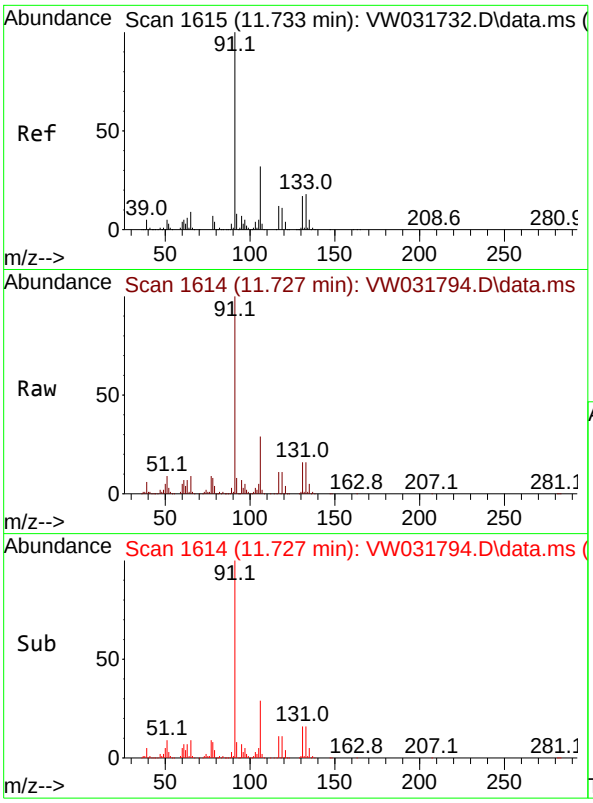


#66
1,1,1,2-Tetrachloroethane
Concen: 20.769 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:131 Resp: 53380

Ion	Ratio	Lower	Upper
131	100		
133	91.3	48.5	145.6
119	65.3	32.5	97.5





#67
Ethyl Benzene
Concen: 21.300 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

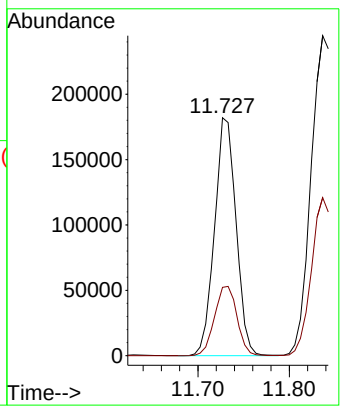
Tgt Ion: 91 Resp: 29789

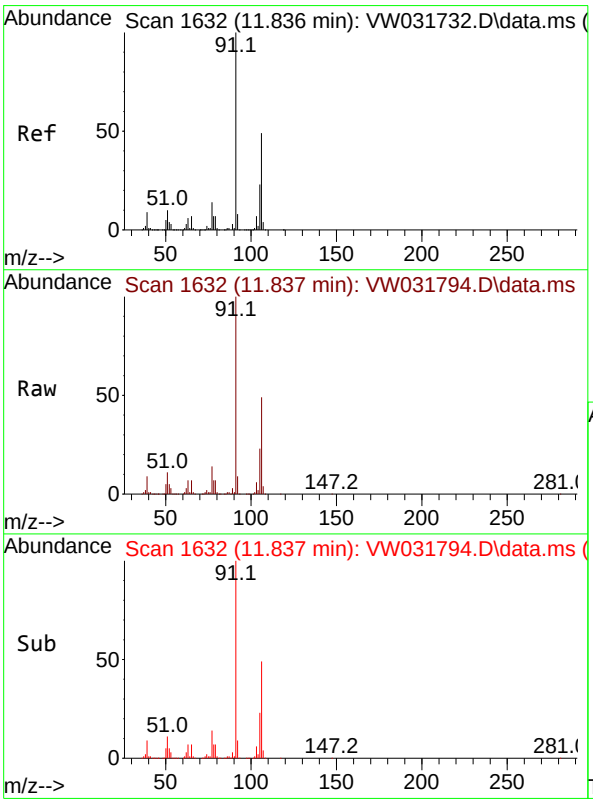
Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

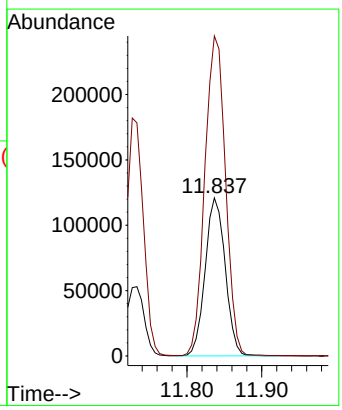


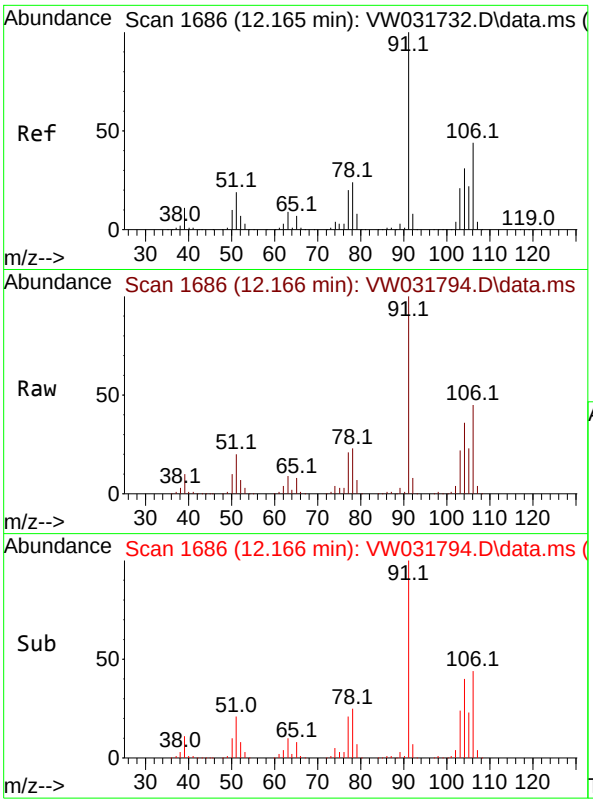


#68
m/p-Xylenes
Concen: 41.847 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:106 Resp: 224986

Ion	Ratio	Lower	Upper
106	100		
91	209.2	166.4	249.6

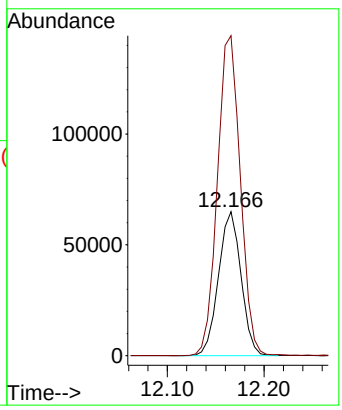




#69
o-Xylene
Concen: 21.082 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:106 Resp: 10494

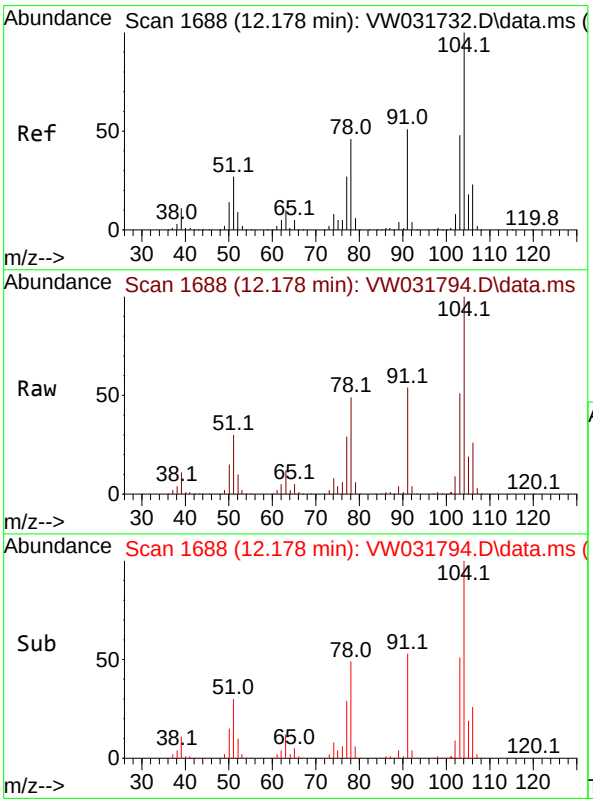
Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.5	334.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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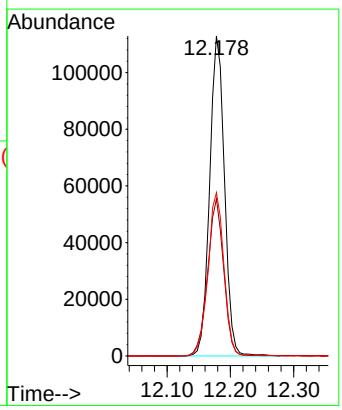
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

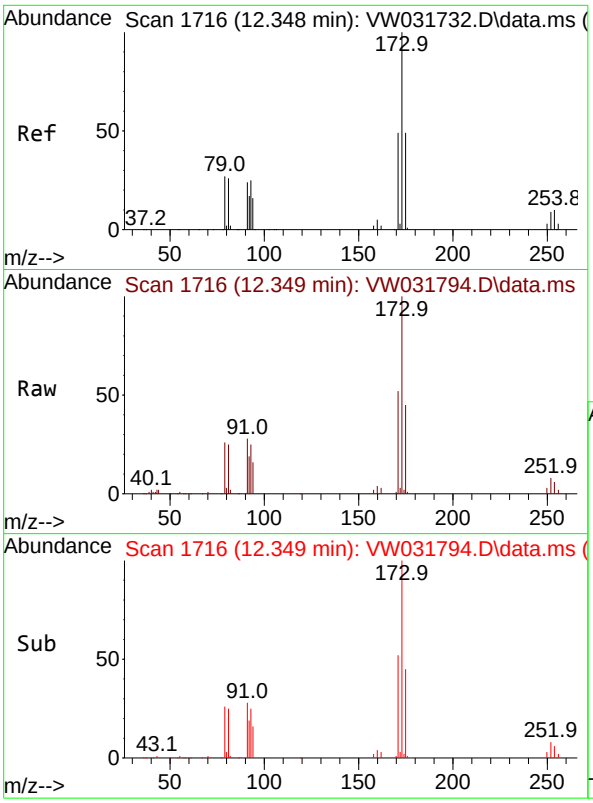


#70
Styrene
Concen: 21.391 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:104 Resp: 184086

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.1	63.1
103	54.8	43.0	64.6





#71
Bromoform
Concen: 19.469 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

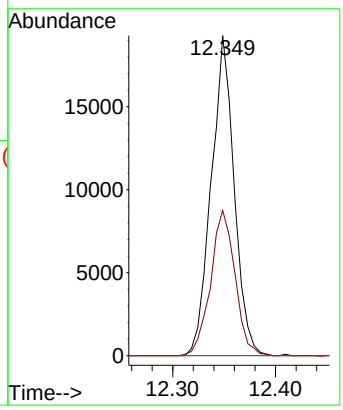
Tgt Ion:173 Resp: 2985

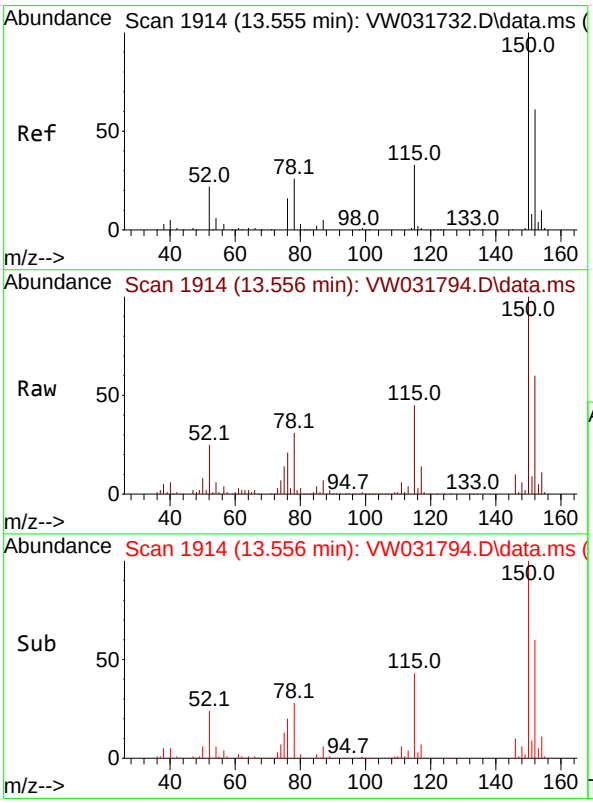
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.1	0.1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

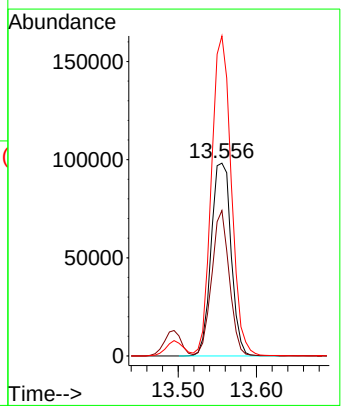


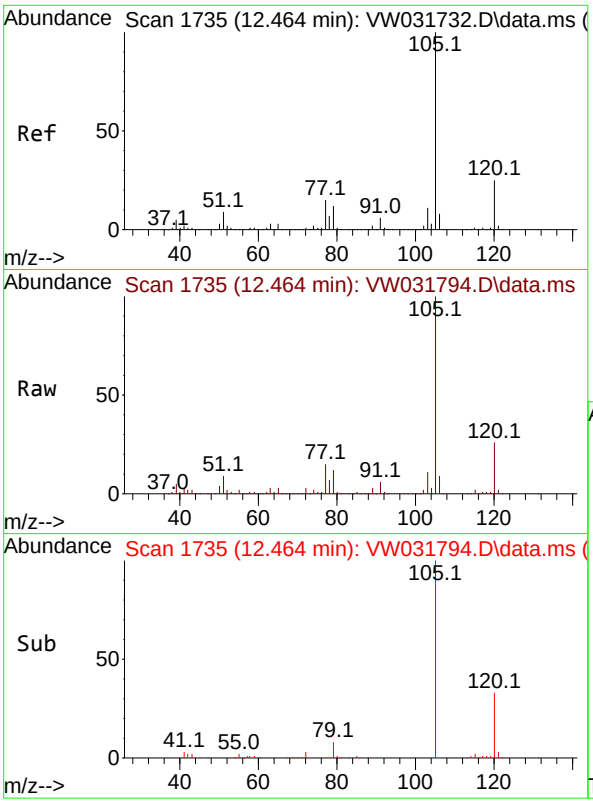


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:152 Resp: 173637

Ion	Ratio	Lower	Upper
152	100		
115	66.9	31.9	95.7
150	164.6	0.0	356.4

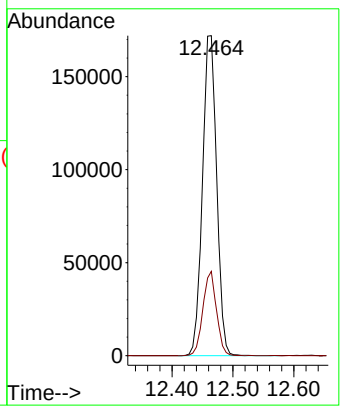




#73
Isopropylbenzene
Concen: 21.126 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 27902

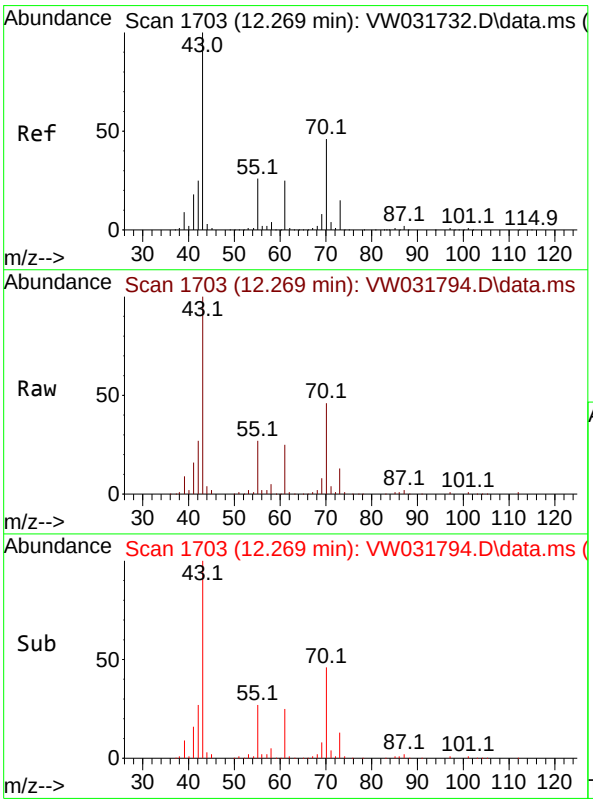
Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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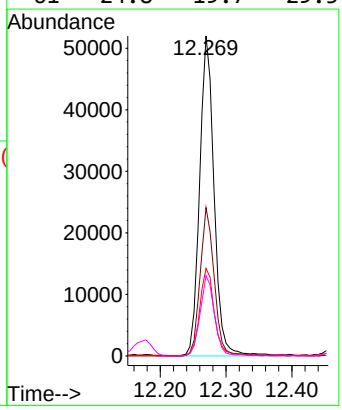
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

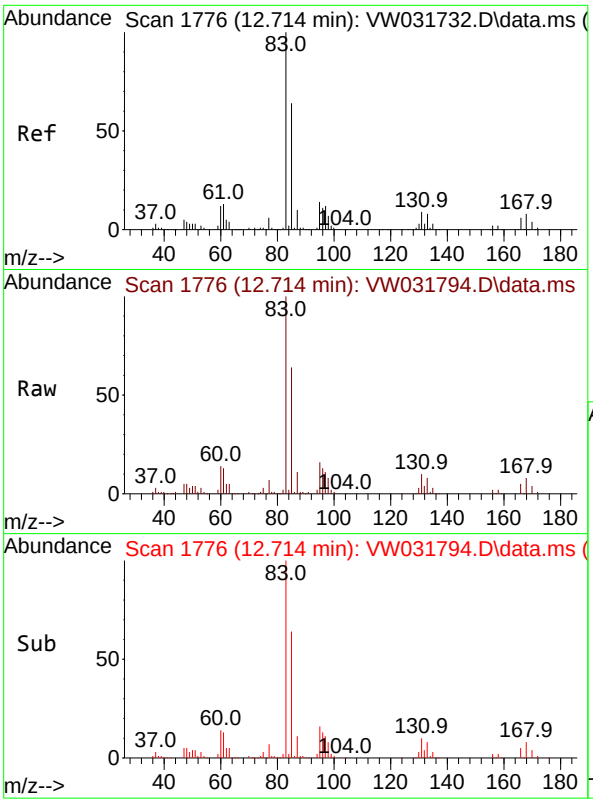


#74
N-amyl acetate
Concen: 22.400 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 79743

Ion	Ratio	Lower	Upper
43	100		
70	44.9	36.0	54.0
55	27.8	20.8	31.2
61	24.8	19.7	29.5

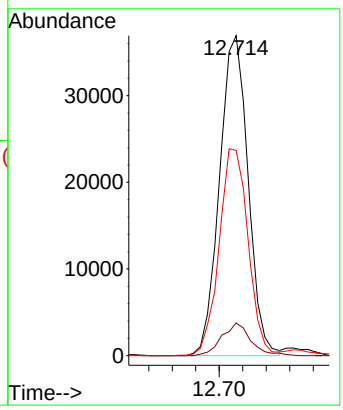




#75
1,1,2,2-Tetrachloroethane
Concen: 21.263 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 83 Resp: 6234

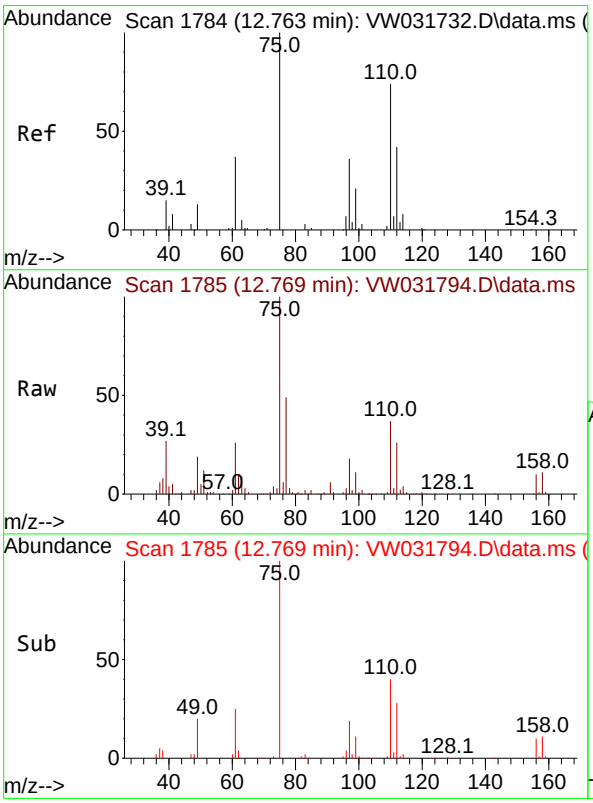
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	65.8	32.0	96.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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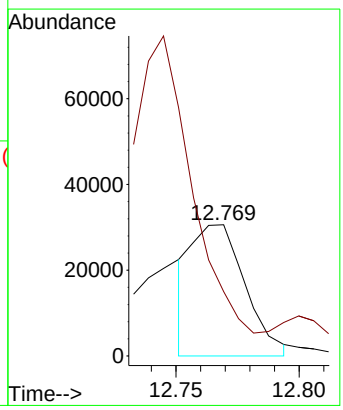
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

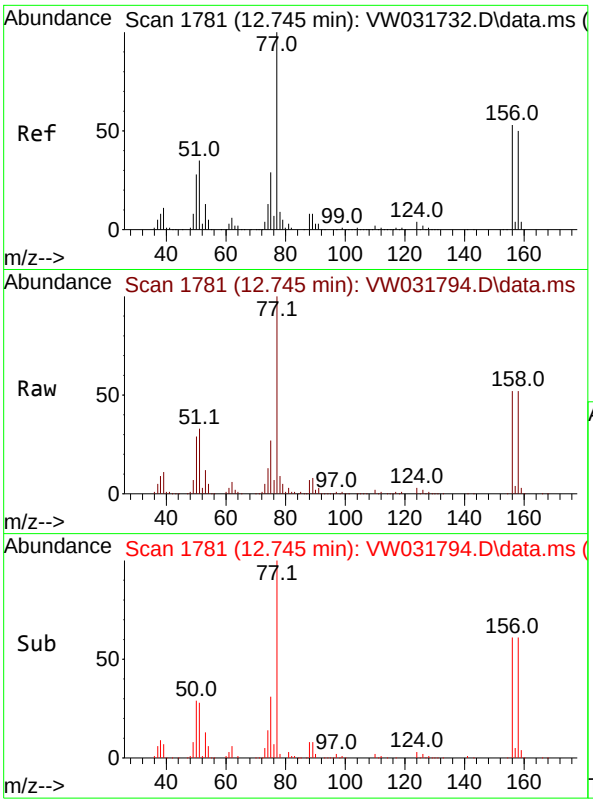


#76
1,2,3-Trichloropropane
Concen: 20.744 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 46547

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#

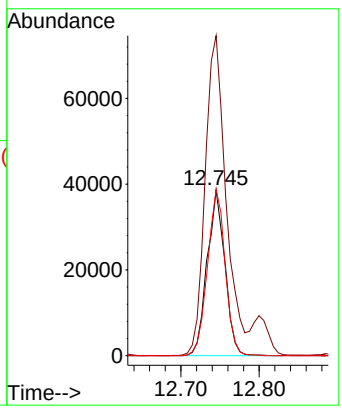




#77
Bromobenzene
Concen: 20.620 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:156 Resp: 6074

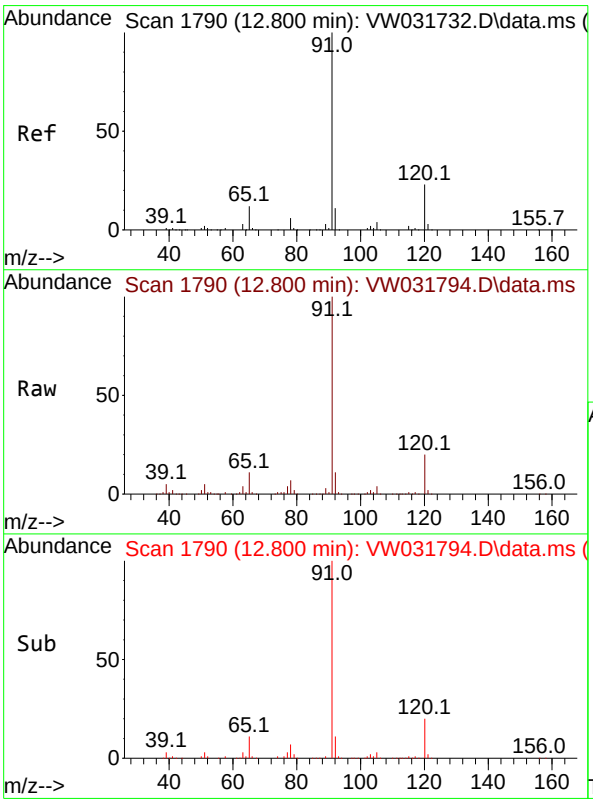
Ion	Ratio	Lower	Upper
156	100		
77	226.0	117.9	353.7
158	100.0	52.6	157.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

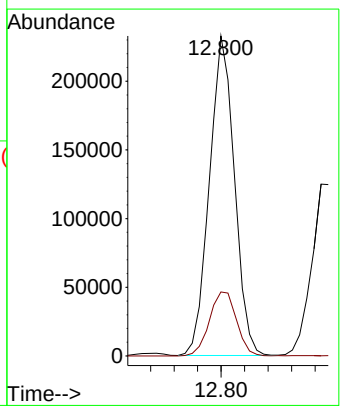
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

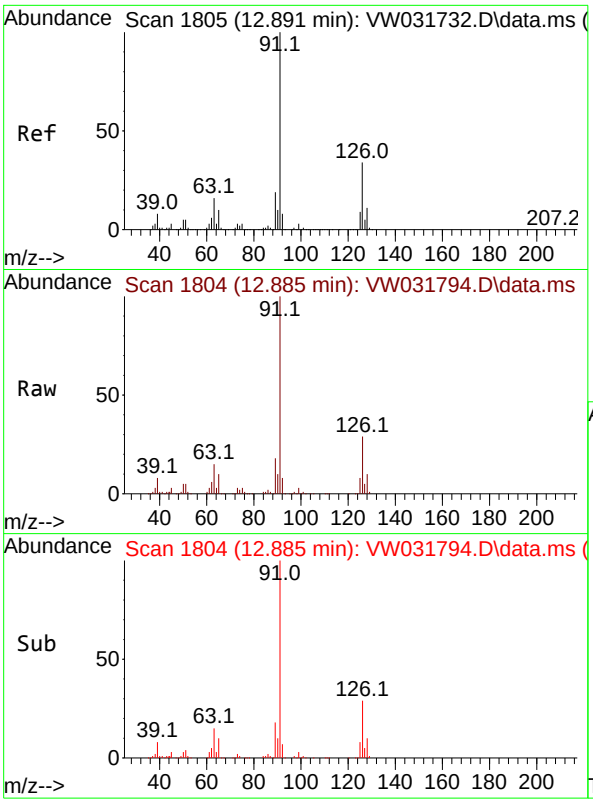


#78
n-propylbenzene
Concen: 21.810 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 344945

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4

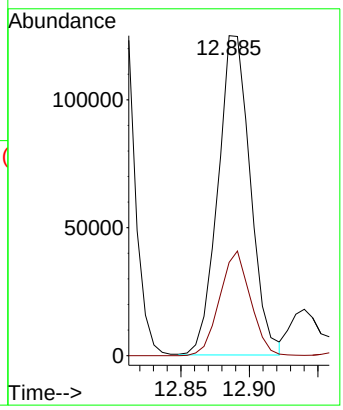




#79
2-Chlorotoluene
Concen: 21.558 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 20531

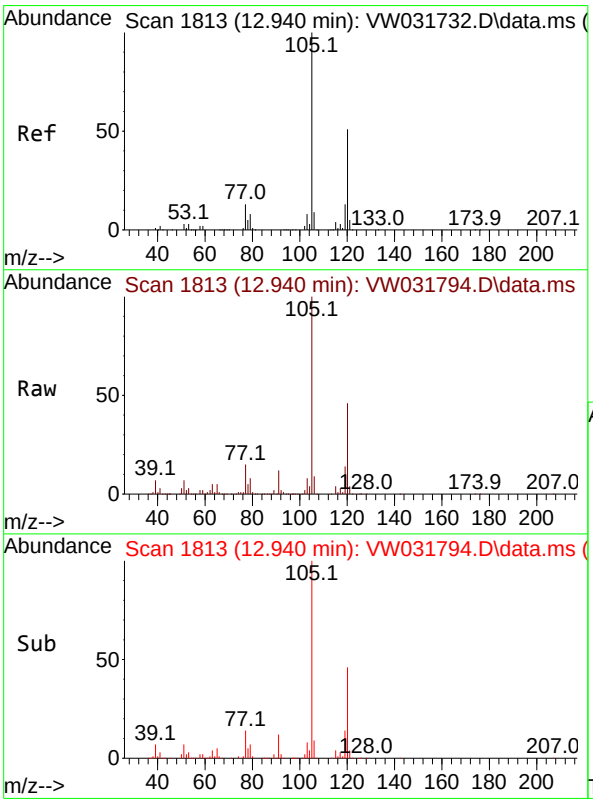
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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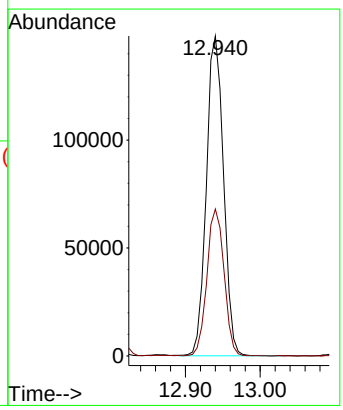
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

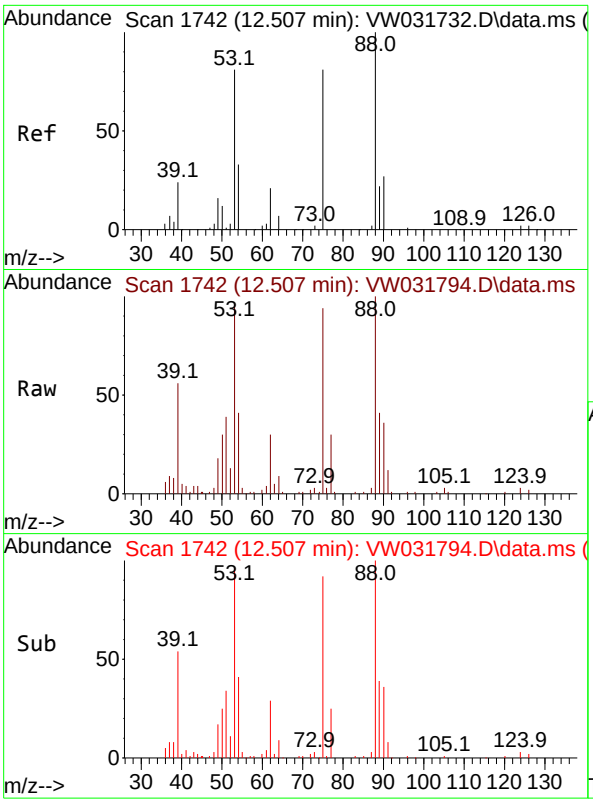


#80
1,3,5-Trimethylbenzene
Concen: 21.556 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 235670

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.2

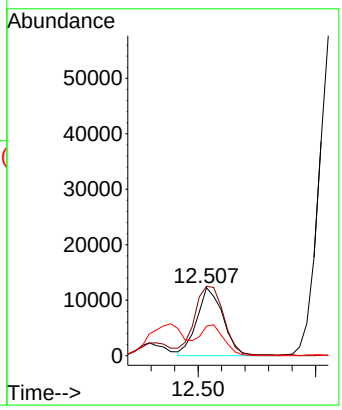




#81
trans-1,4-Dichloro-2-butene
Concen: 19.749 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 1902

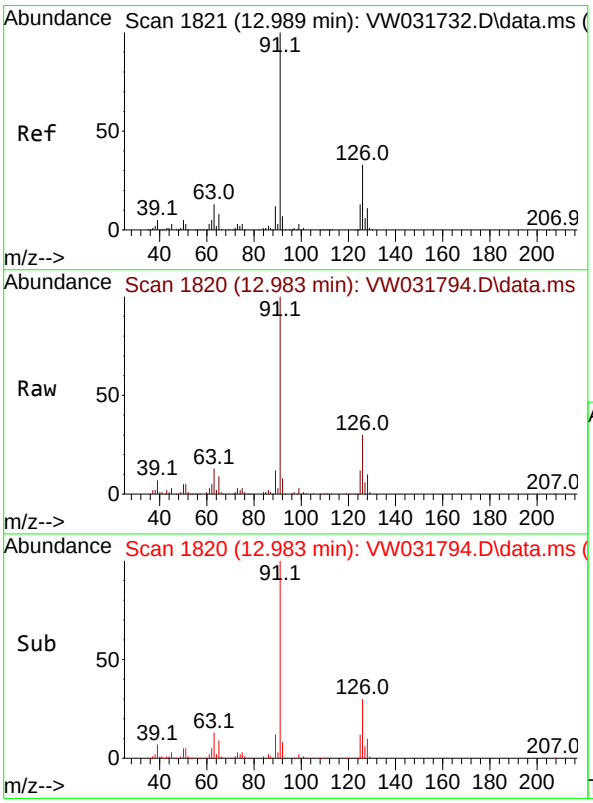
Ion	Ratio	Lower	Upper
75	100		
53	117.5	83.5	125.3
89	40.5	38.3	57.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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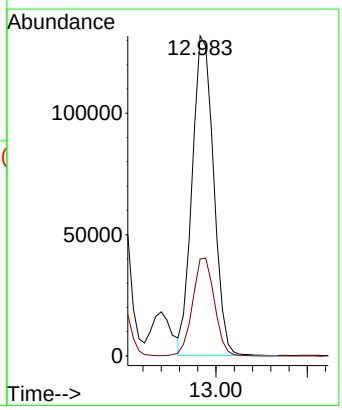
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

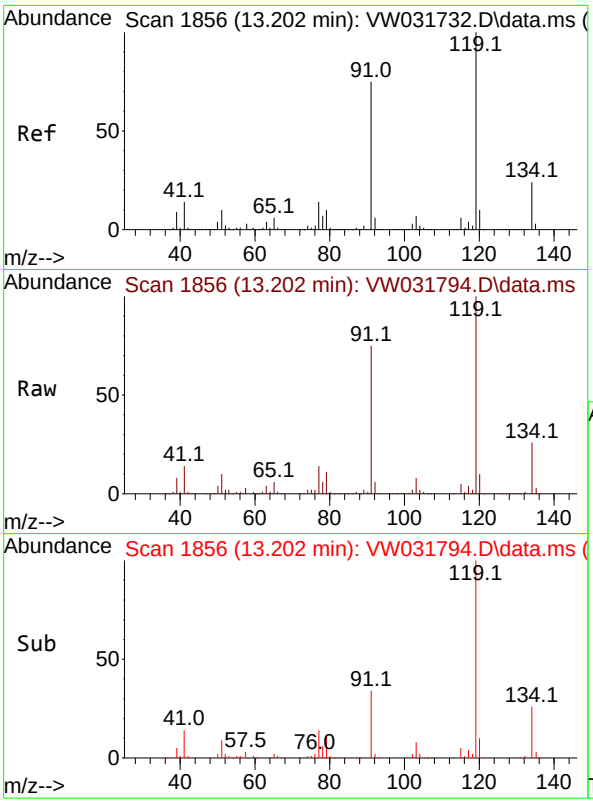


#82
4-Chlorotoluene
Concen: 21.454 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 214521

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.0	47.9

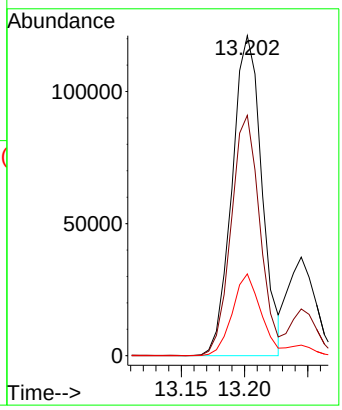




#83
tert-Butylbenzene
Concen: 21.186 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:119 Resp: 19840

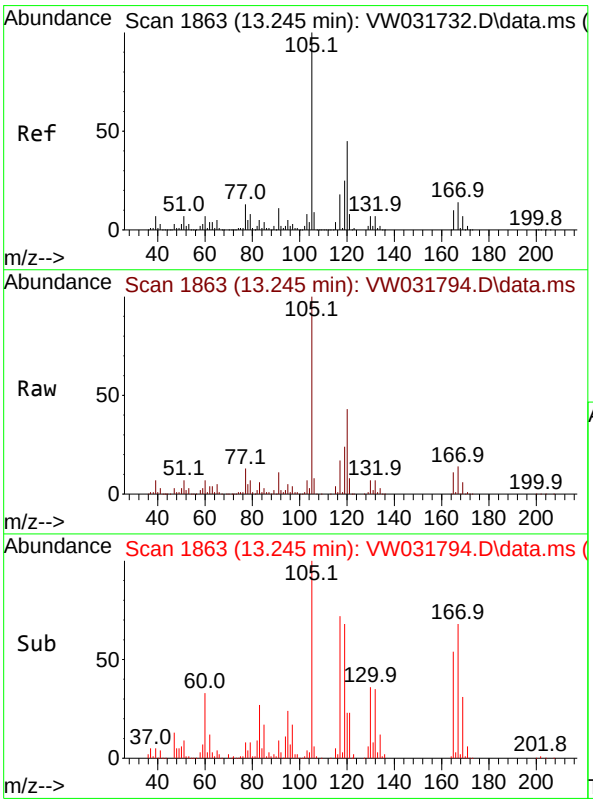
Ion	Ratio	Lower	Upper
119	100		
91	72.4	36.0	108.1
134	24.9	12.4	37.2



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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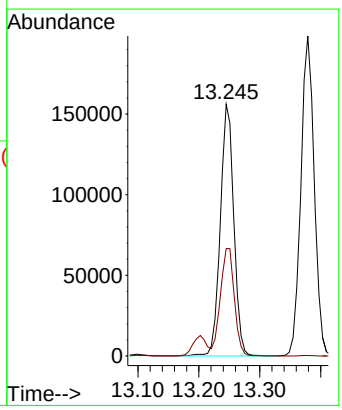
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

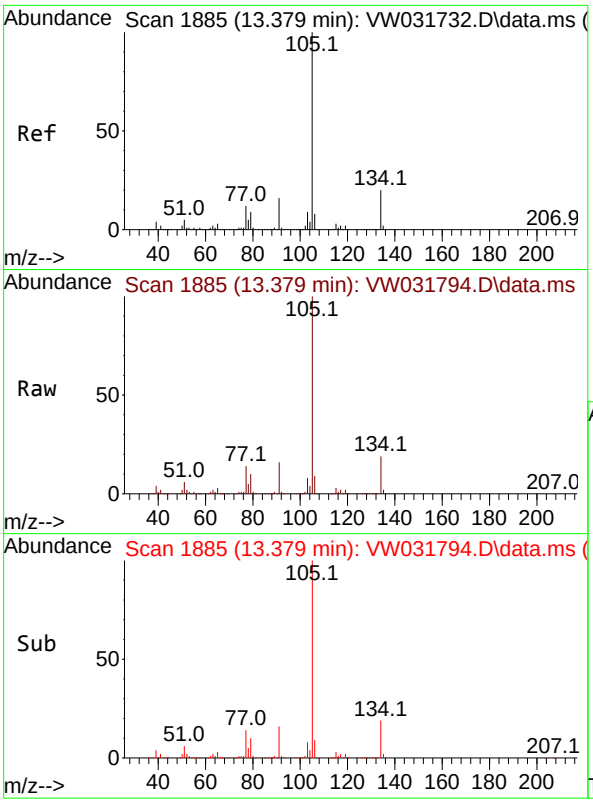


#84
1,2,4-Trimethylbenzene
Concen: 21.723 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 240630

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1

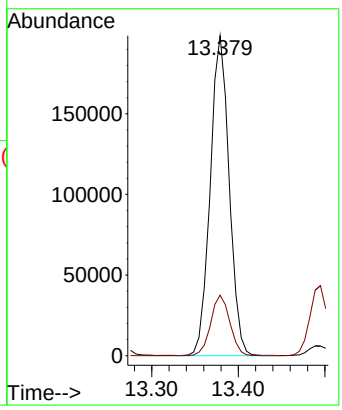




#85
sec-Butylbenzene
Concen: 21.459 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 30163

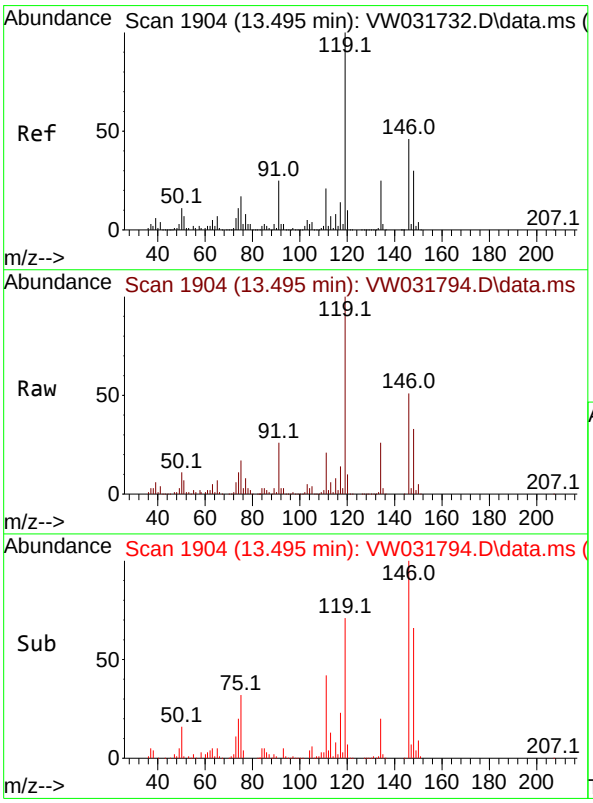
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

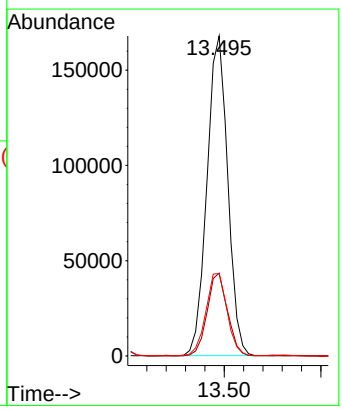
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

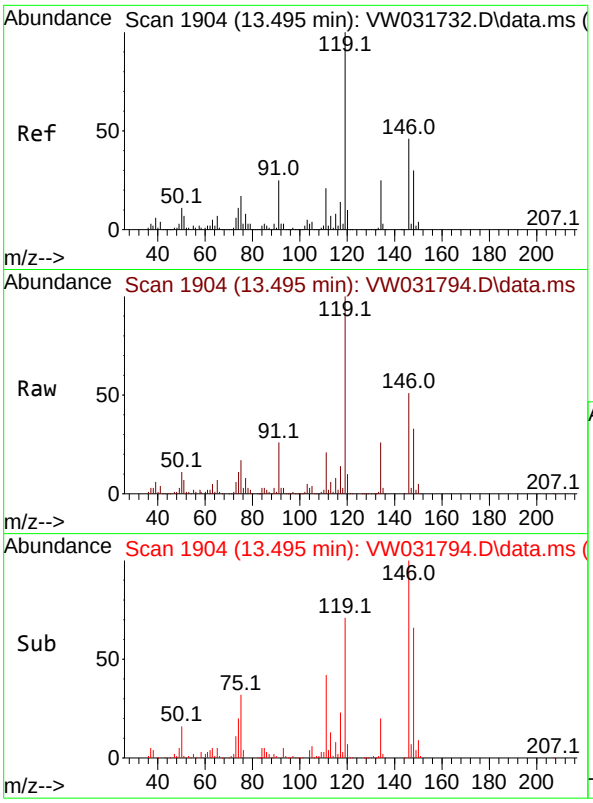


#86
p-Isopropyltoluene
Concen: 21.608 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:119 Resp: 250318

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	26.2	12.7	38.0

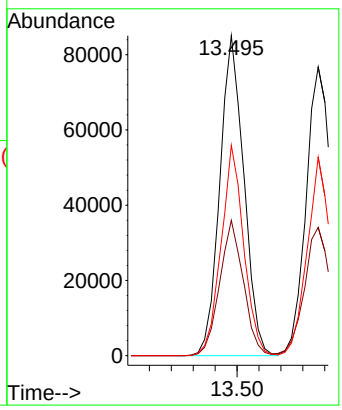




#87
1,3-Dichlorobenzene
Concen: 21.946 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:146 Resp: 12964

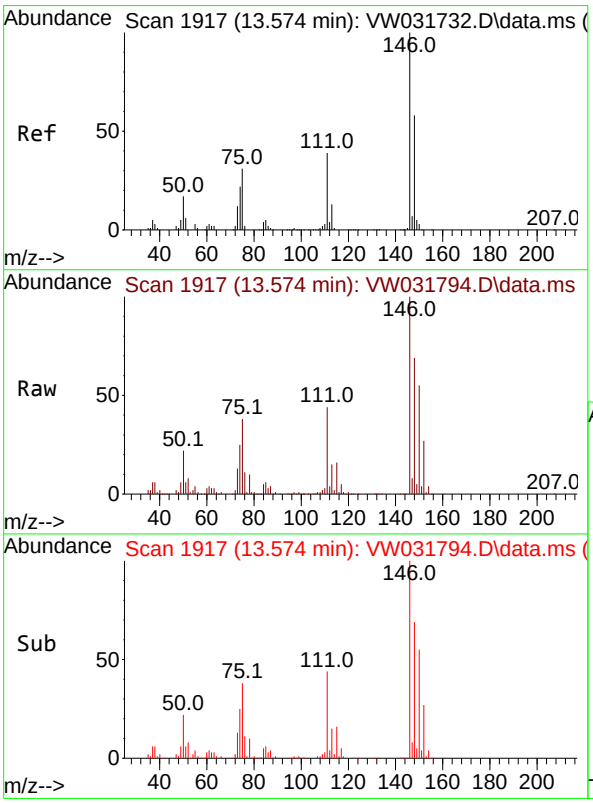
Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.3	66.9
148	62.1	31.8	95.4



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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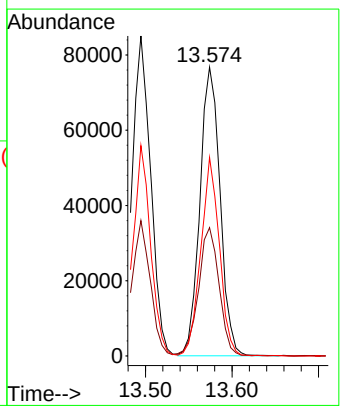
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

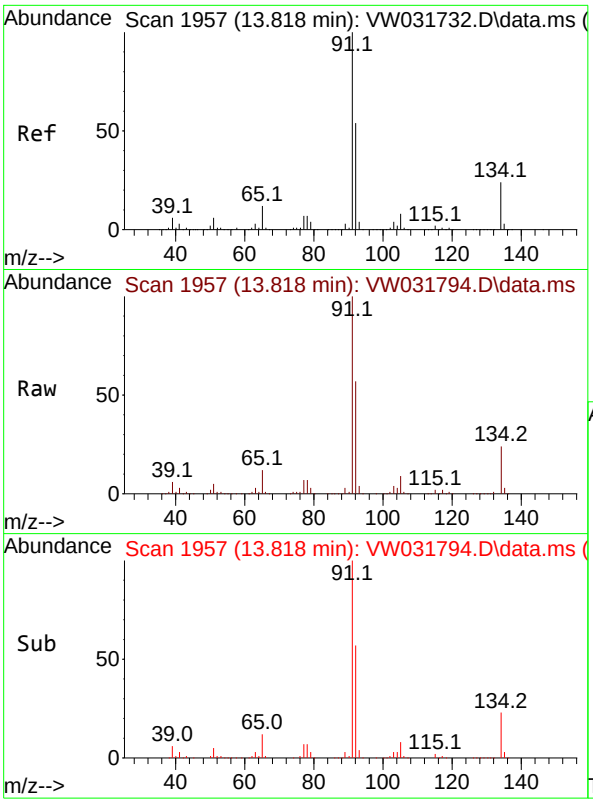


#88
1,4-Dichlorobenzene
Concen: 20.548 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:146 Resp: 124248

Ion	Ratio	Lower	Upper
146	100		
111	45.1	20.4	61.3
148	63.5	30.2	90.6

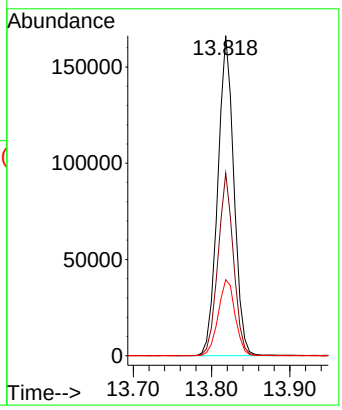




#89
n-Butylbenzene
Concen: 21.201 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 23863

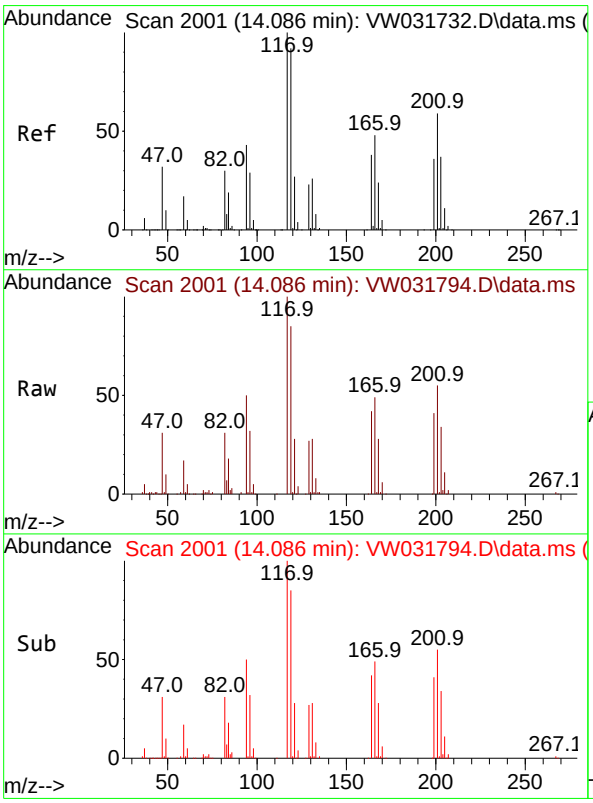
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	25.0	12.2	36.6



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

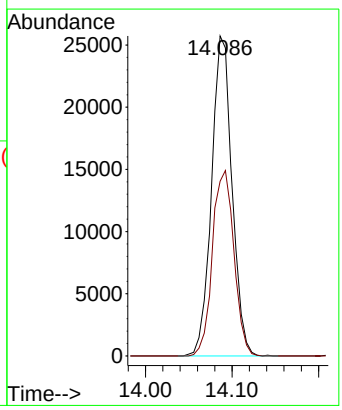
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

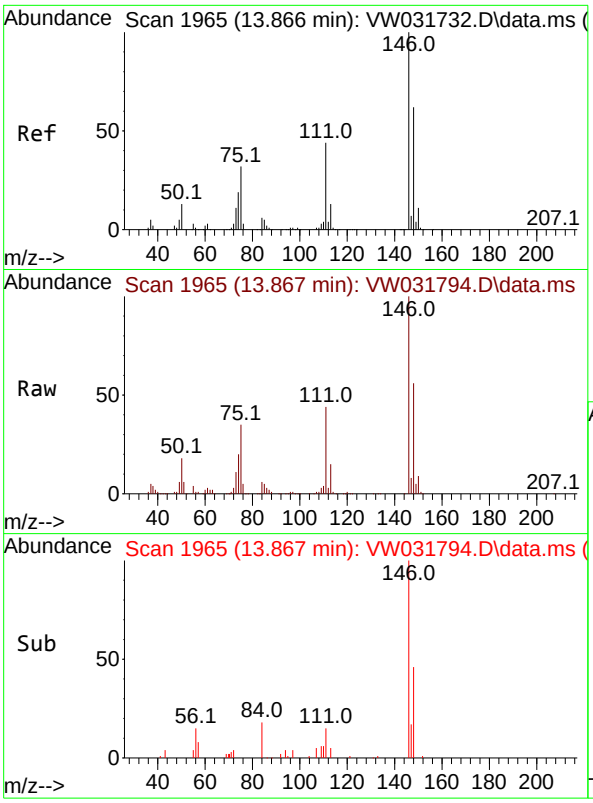


#90
Hexachloroethane
Concen: 20.195 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:117 Resp: 42207

Ion	Ratio	Lower	Upper
117	100		
201	60.8	31.1	93.3

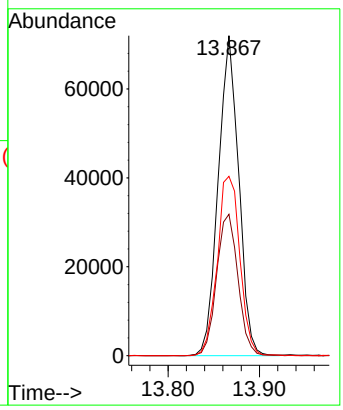




#91
1,2-Dichlorobenzene
Concen: 20.780 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:146 Resp: 11220

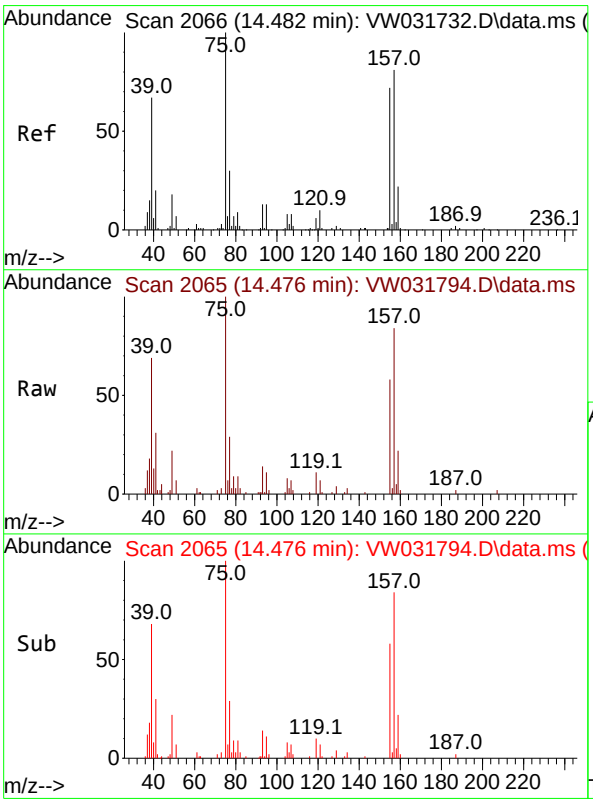
Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.7	65.1
148	61.9	29.8	89.5



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
APPROVED

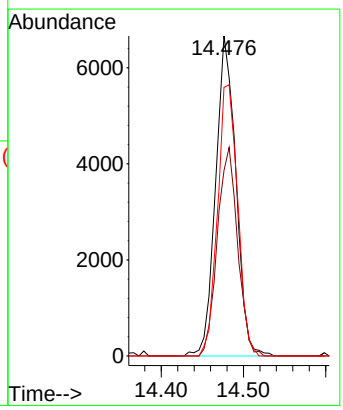
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

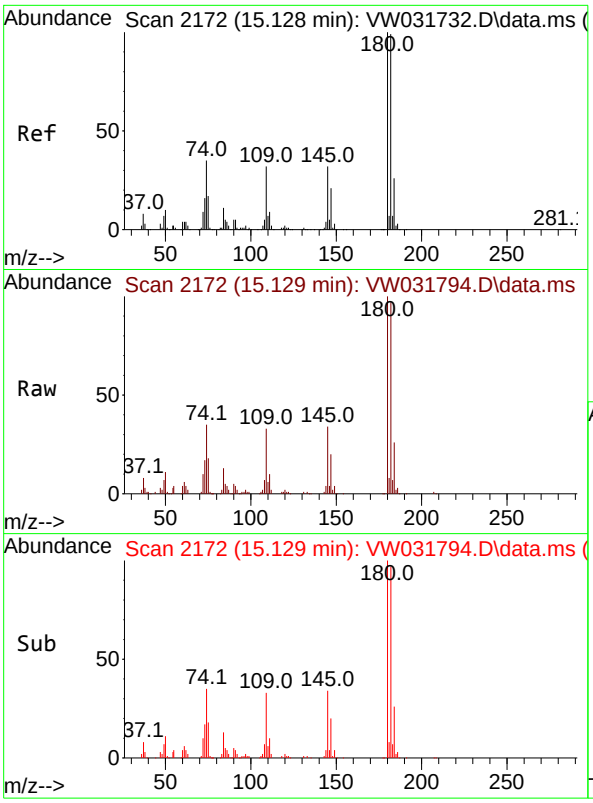


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.920 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 11405

Ion	Ratio	Lower	Upper
75	100		
155	65.4	37.2	111.6
157	84.1	45.6	136.9

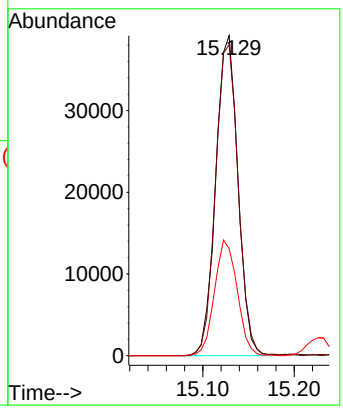




#93
1,2,4-Trichlorobenzene
Concen: 19.848 ug/l
RT: 15.129 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:180 Resp: 6609

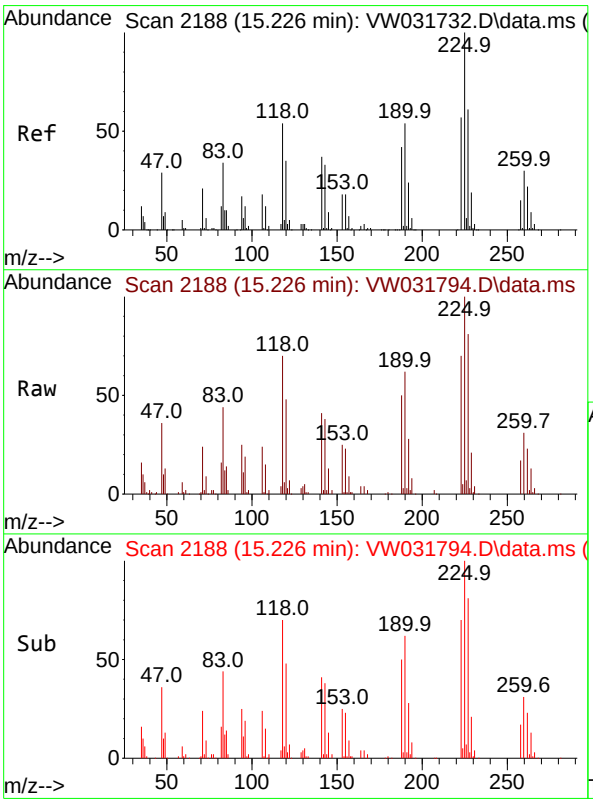
Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.6	145.9
145	37.0	17.3	51.7



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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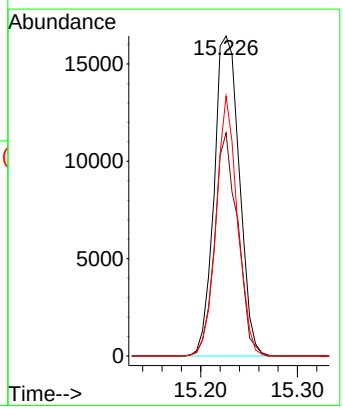
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025

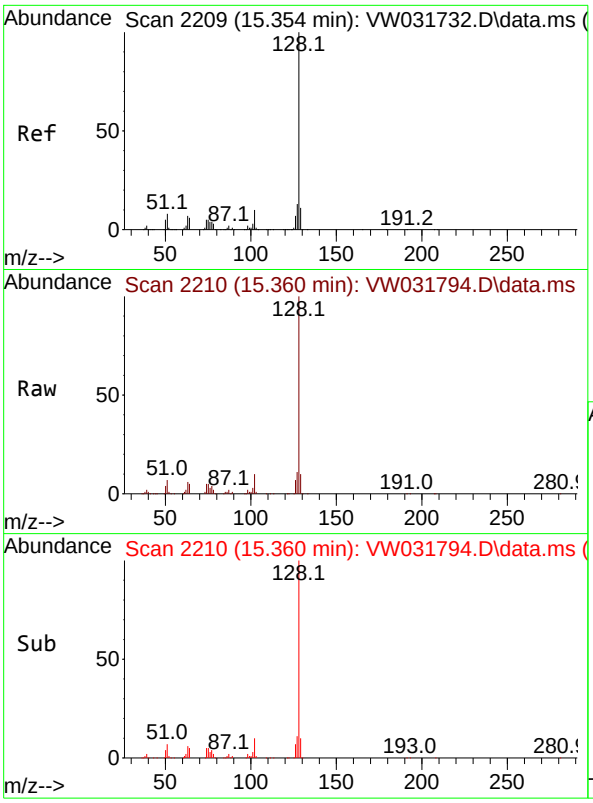


#94
Hexachlorobutadiene
Concen: 18.467 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:225 Resp: 29695

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.6	97.8
227	68.8	37.3	111.8

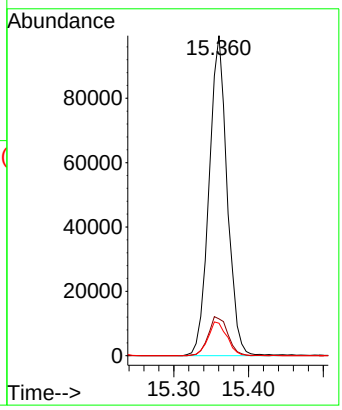




#95
Naphthalene
Concen: 20.472 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:128 Resp: 16713

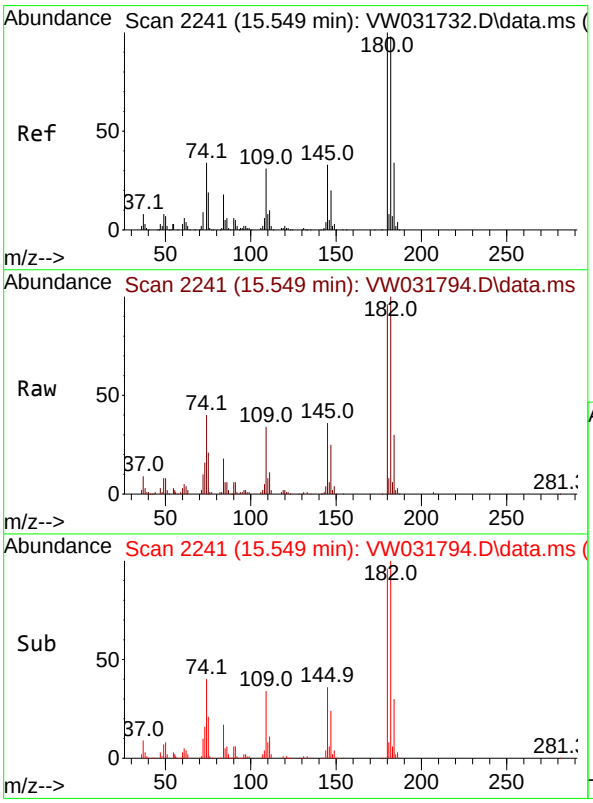
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.1	8.7	13.1



Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Manual Integrations
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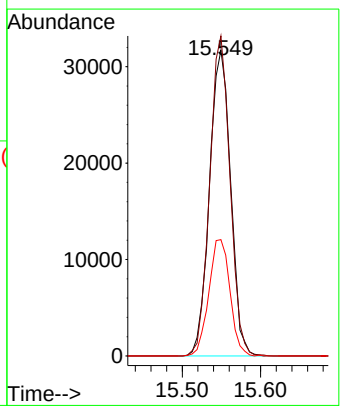
Reviewed By :Mahesh Dadoda 07/14/2025
Supervised By :Semsettin Yesilyurt 07/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.452 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:180 Resp: 59518

Ion	Ratio	Lower	Upper
180	100		
182	100.4	46.4	139.1
145	38.1	17.8	53.3



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

Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031729.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Acetone	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Ethyl Acetate	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Tert butyl alcohol	MMDadoda	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	Tert butyl alcohol	MMDadoda	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,4-Dioxane	MMDadoda	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICCC050	VW031732.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:38 PM	SAM	7/1/2025 12:24:15 PM	Peak Integrated by Software
VSTDICC100	VW031733.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:40 PM	SAM	7/1/2025 12:24:18 PM	Peak Integrated by Software
VSTDICC150	VW031734.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:41 PM	SAM	7/1/2025 12:24:20 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VW031736.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:42 PM	SAM	7/1/2025 12:24:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW071025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031791.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:09 AM	Sam	7/14/2025 7:51:24 AM	Peak Integrated by Software
VW0710SBS01	VW031793.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:11 AM	Sam	7/14/2025 7:51:25 AM	Peak Integrated by Software
VW0710SBSD01	VW031794.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:15 AM	Sam	7/14/2025 7:51:35 AM	Peak Integrated by Software
VSTDCCC050	VW031815.D	1,2,3-Trichloropropane	MMDadoda	7/14/2025 7:37:20 AM	Sam	7/14/2025 7:51:40 AM	Peak Integrated by Software

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM				
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031728.D	30 Jun 2025 08:56	SY/MD	Ok
2	VSTDICC005	VW031729.D	30 Jun 2025 09:54	SY/MD	Ok,M
3	VSTDICC010	VW031730.D	30 Jun 2025 10:15	SY/MD	Ok,M
4	VSTDICC020	VW031731.D	30 Jun 2025 10:58	SY/MD	Ok,M
5	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	SY/MD	Ok,M
6	VSTDICC100	VW031733.D	30 Jun 2025 12:34	SY/MD	Ok,M
7	VSTDICC150	VW031734.D	30 Jun 2025 12:55	SY/MD	Ok,M
8	VIBLK	VW031735.D	30 Jun 2025 14:11	SY/MD	Ok
9	VSTDICV050	VW031736.D	30 Jun 2025 15:23	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM				
SubDirectory	VW071025	HP Acquire Method	MSVOA_W		HP Processing Method	82w063025s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134704
Initial Calibration Stds	
CCC	VP134705,VP134706
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	VW031790.D	10 Jul 2025 08:16	SY/MD	Ok
2	VSTDCCC050	VW031791.D	10 Jul 2025 08:47	SY/MD	Ok,M
3	VW0710SBL01	VW031792.D	10 Jul 2025 10:15	SY/MD	Ok
4	VW0710SBS01	VW031793.D	10 Jul 2025 11:05	SY/MD	Ok,M
5	VW0710SBSD01	VW031794.D	10 Jul 2025 11:33	SY/MD	Ok,M
6	Q2480-03RE	VW031795.D	10 Jul 2025 12:19	SY/MD	Confirms
7	Q2480-04	VW031796.D	10 Jul 2025 12:41	SY/MD	Dilution
8	Q2480-06	VW031797.D	10 Jul 2025 13:03	SY/MD	Dilution
9	Q2529-05	VW031798.D	10 Jul 2025 13:25	SY/MD	Ok
10	Q2529-06	VW031799.D	10 Jul 2025 13:47	SY/MD	Ok
11	Q2529-07	VW031800.D	10 Jul 2025 14:09	SY/MD	Ok
12	Q2529-08	VW031801.D	10 Jul 2025 14:30	SY/MD	Ok
13	Q2529-09	VW031802.D	10 Jul 2025 14:52	SY/MD	Ok,M
14	Q2529-10	VW031803.D	10 Jul 2025 15:14	SY/MD	Ok
15	Q2555-01	VW031804.D	10 Jul 2025 15:36	SY/MD	Ok
16	Q2555-03	VW031805.D	10 Jul 2025 15:58	SY/MD	Ok
17	Q2539-01	VW031806.D	10 Jul 2025 16:20	SY/MD	Ok
18	Q2550-02	VW031807.D	10 Jul 2025 16:42	SY/MD	Ok
19	Q2551-02	VW031808.D	10 Jul 2025 17:04	SY/MD	Ok
20	Q2543-01	VW031809.D	10 Jul 2025 17:26	SY/MD	Ok
21	Q2543-02	VW031810.D	10 Jul 2025 17:48	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM				
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134704
Initial Calibration Stds	
CCC	VP134705,VP134706
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2543-03	VW031811.D	10 Jul 2025 18:10	SY/MD	Ok
23	Q2543-04	VW031812.D	10 Jul 2025 18:32	SY/MD	Ok
24	Q2558-01	VW031813.D	10 Jul 2025 18:53	SY/MD	Ok
25	Q2558-03	VW031814.D	10 Jul 2025 19:15	SY/MD	Ok
26	VSTDCCC050	VW031815.D	10 Jul 2025 19:59	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031728.D	30 Jun 2025 08:56		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031729.D	30 Jun 2025 09:54		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031730.D	30 Jun 2025 10:15	8260-soil-method	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031731.D	30 Jun 2025 10:58		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	Comp. #20 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031733.D	30 Jun 2025 12:34		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031734.D	30 Jun 2025 12:55		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031735.D	30 Jun 2025 14:11		SY/MD	Ok
9	VSTDICV050	ICVVW063025	VW031736.D	30 Jun 2025 15:23		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM		
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134704
Initial Calibration Stds	
CCC	VP134705,VP134706
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	VW031790.D	10 Jul 2025 08:16		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031791.D	10 Jul 2025 08:47		SY/MD	Ok,M
3	VW0710SBL01	VW0710SBL01	VW031792.D	10 Jul 2025 10:15		SY/MD	Ok
4	VW0710SBS01	VW0710SBS01	VW031793.D	10 Jul 2025 11:05		SY/MD	Ok,M
5	VW0710SBSD01	VW0710SBSD01	VW031794.D	10 Jul 2025 11:33		SY/MD	Ok,M
6	Q2480-03RE	GPX3RE	VW031795.D	10 Jul 2025 12:19	vial-B Internal standard fail;Surrogate fail	SY/MD	Confirms
7	Q2480-04	GPX4	VW031796.D	10 Jul 2025 12:41	vial-B Need MeOH	SY/MD	Dilution
8	Q2480-06	GPX6	VW031797.D	10 Jul 2025 13:03	vial-B Surrogate fail;Need MeOH	SY/MD	Dilution
9	Q2529-05	TP-98	VW031798.D	10 Jul 2025 13:25	vial-B	SY/MD	Ok
10	Q2529-06	TP-102	VW031799.D	10 Jul 2025 13:47	vial-B	SY/MD	Ok
11	Q2529-07	TP-101	VW031800.D	10 Jul 2025 14:09	vial-B	SY/MD	Ok
12	Q2529-08	TP-89	VW031801.D	10 Jul 2025 14:30	vial-B	SY/MD	Ok
13	Q2529-09	TP-33	VW031802.D	10 Jul 2025 14:52	vial-B	SY/MD	Ok,M
14	Q2529-10	TP-30	VW031803.D	10 Jul 2025 15:14	vial-B	SY/MD	Ok
15	Q2555-01	OU4-TS-29-070925	VW031804.D	10 Jul 2025 15:36	vial-A	SY/MD	Ok
16	Q2555-03	OU4-TS-30-070925	VW031805.D	10 Jul 2025 15:58	vial-A	SY/MD	Ok
17	Q2539-01	HACKENSACK	VW031806.D	10 Jul 2025 16:20	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW071025

Review By	Mahesh Dadoda	Review On	7/14/2025 7:38:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/14/2025 7:52:00 AM		
SubDirectory	VW071025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134704
Initial Calibration Stds	
CCC	VP134705,VP134706
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2550-02	VNJ-203	VW031807.D	10 Jul 2025 16:42	vial-A	SY/MD	Ok
19	Q2551-02	VNJ-204	VW031808.D	10 Jul 2025 17:04	vial-A	SY/MD	Ok
20	Q2543-01	TP-41	VW031809.D	10 Jul 2025 17:26	vial-A	SY/MD	Ok
21	Q2543-02	TP-49	VW031810.D	10 Jul 2025 17:48	vial-A	SY/MD	Ok
22	Q2543-03	TP-23	VW031811.D	10 Jul 2025 18:10	vial-A	SY/MD	Ok
23	Q2543-04	TP-23-99	VW031812.D	10 Jul 2025 18:32	vial-A	SY/MD	Ok
24	Q2558-01	OU4-TS-Denali-070925	VW031813.D	10 Jul 2025 18:53	vial-A	SY/MD	Ok
25	Q2558-03	OU4-TS-Grillo-OG-070	VW031814.D	10 Jul 2025 19:15	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VW031815.D	10 Jul 2025 19:59		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 15:10

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 07/10/25 17:20

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VB 136427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10
Raw Sample Received by: VB WC
Raw Sample Relinquished by: QR

Date/Time 07/10/25 17:20
Raw Sample Received by: QR
Raw Sample Relinquished by: VB WC

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Prep Standard - Chemical Standard Summary

Order ID : Q2558

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VW071025,

Standard ID :
VP133175,VP133934,VP133953,VP134147,VP134149,VP134150,VP134431,VP134432,VP134478,VP134479,VP134704,VP134705,VP134706,

Chemical ID :
V13391,V13706,V14290,V14438,V14440,V14505,V14506,V14527,V14528,V14613,V14626,V14636,V14637,V14638,V14639,V14673,V14708,V14712,V14713,V14748,V14752,V14808,V14822,V14843,V14921,V14929,V15028,V15029,V15030,W3112,

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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	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP134431	06/20/2025	07/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/15/2025

FROM 1.00000ml of V15030 + 1.50000ml of V15028 + 1.50000ml of V15029 + 21.00000ml of V14921 = 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	VP134432	06/20/2025	07/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/15/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP134431 = 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
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
732	BFB TUNE CHECK - SOIL	VP134704	07/10/2025	07/11/2025	Amit Patel	None	None	Mahesh Dadoda 07/15/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = 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	VP134705	07/10/2025	07/11/2025	Amit Patel	None	None	Mahesh Dadoda 07/15/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134432 + 0.00250ml of VP134479 + 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	VP134706	07/10/2025	07/11/2025	Amit Patel	None	None	Mahesh Dadoda 07/15/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP133175 + 0.00250ml of VP134147 + 0.00250ml of VP134150 + 0.00250ml of VP134432 + 0.00250ml of VP134479 + 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	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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

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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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	12/23/2025	06/23/2025 / SAM	09/17/2024 / SAM	V14506

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)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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

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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	V14637

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	12/23/2025	06/23/2025 / SAM	12/17/2024 / SAM	V14713

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

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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)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15029

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	061925	07/19/2025	06/20/2025 / SAM	06/20/2025 / SAM	V15030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

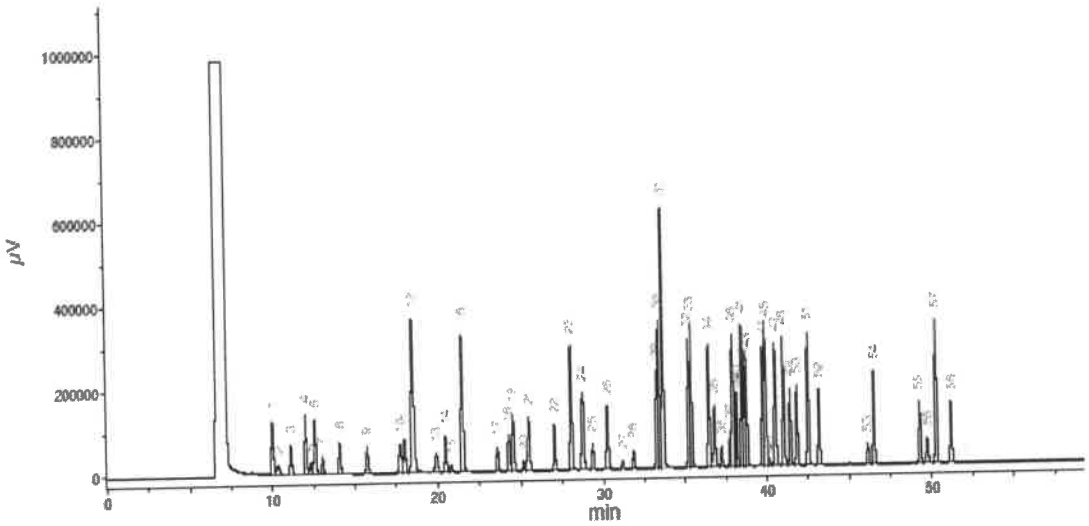
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR6561	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 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 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	27.02
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	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

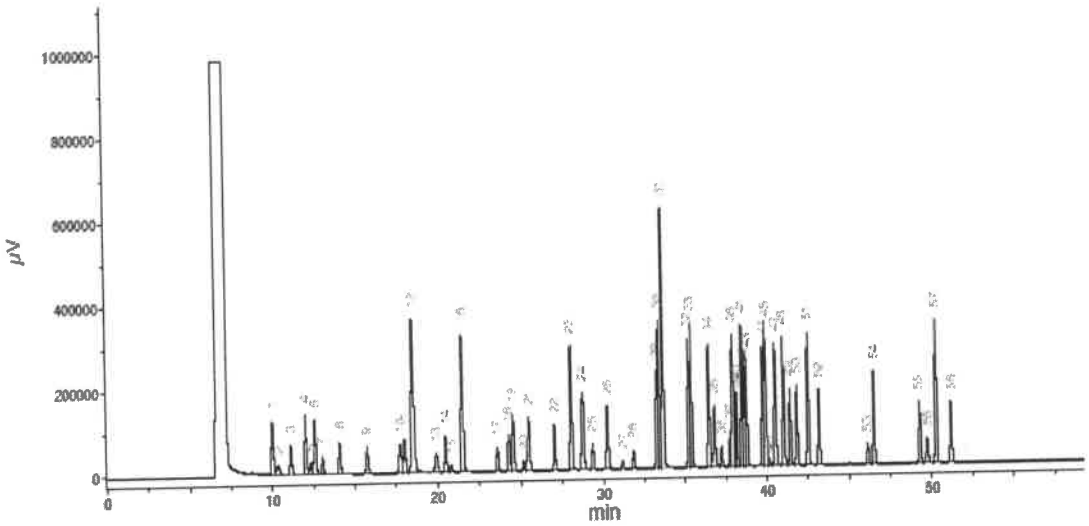
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 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	6.97
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	27.02
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	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
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	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**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))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 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.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. 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

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AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

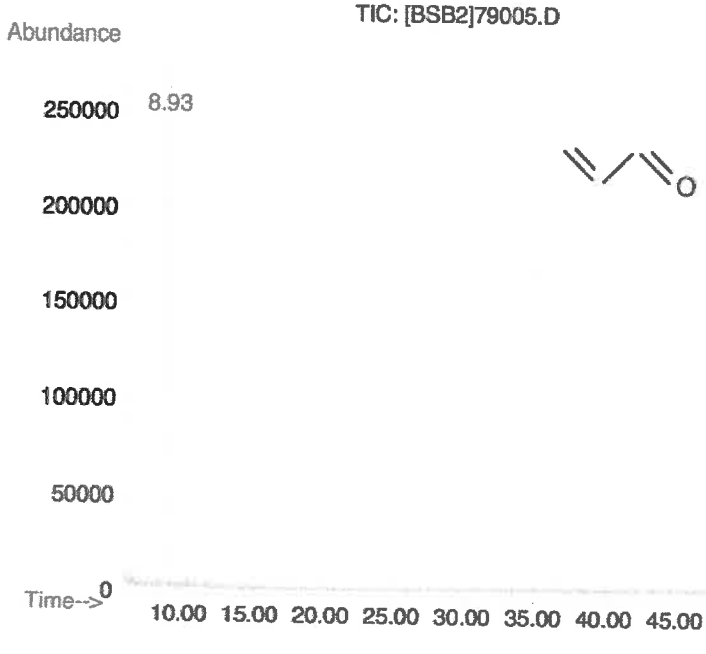
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

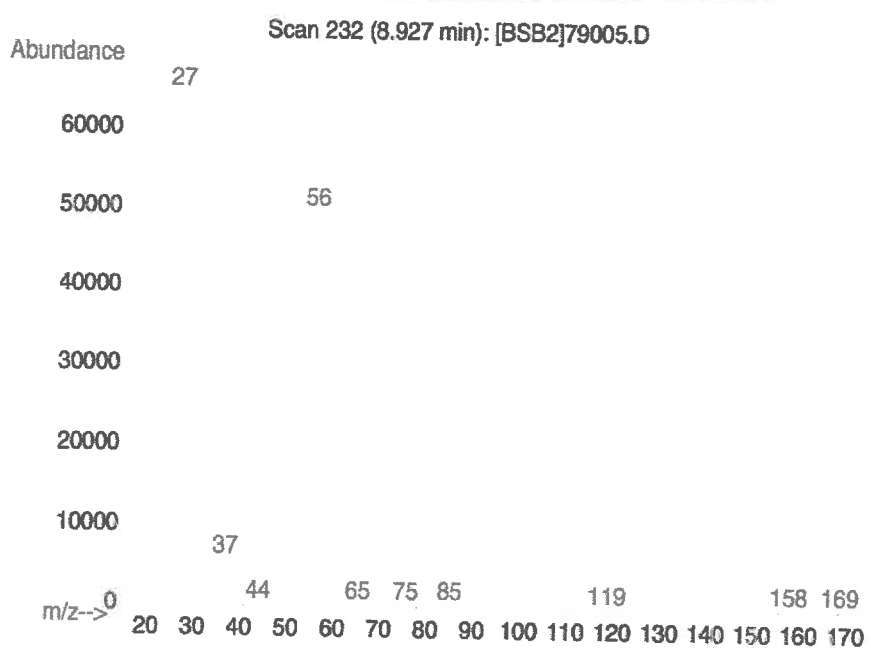
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	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.





- 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).

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

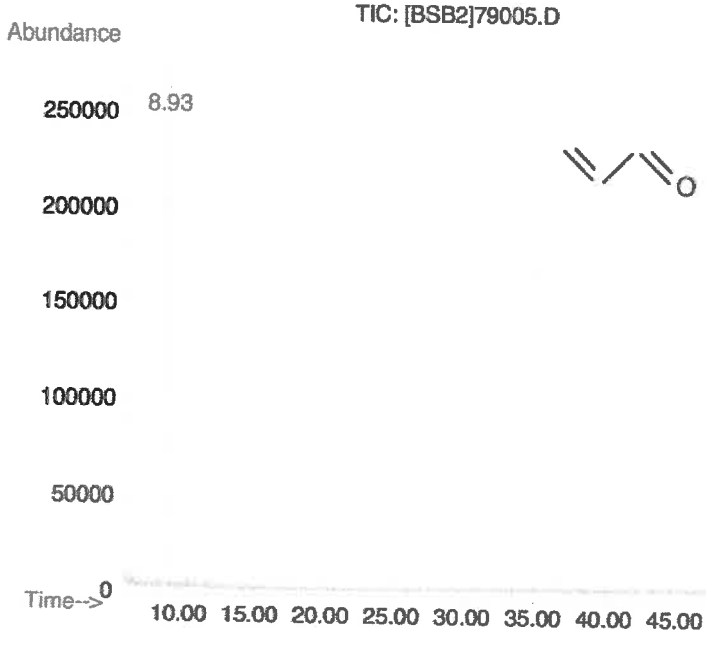
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

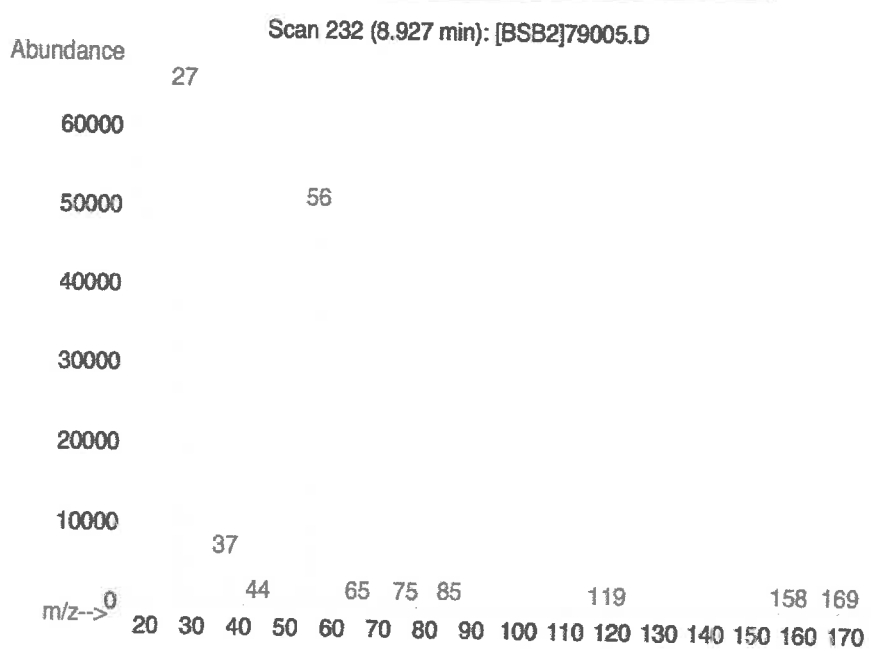
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	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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Rec 12/6/24
20 vial
V14630 to
V14649

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

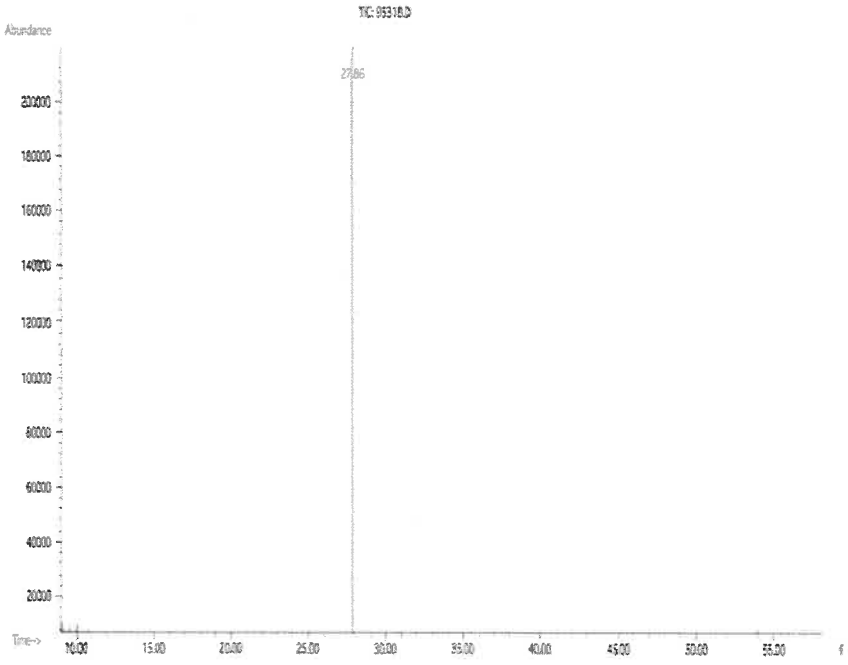
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

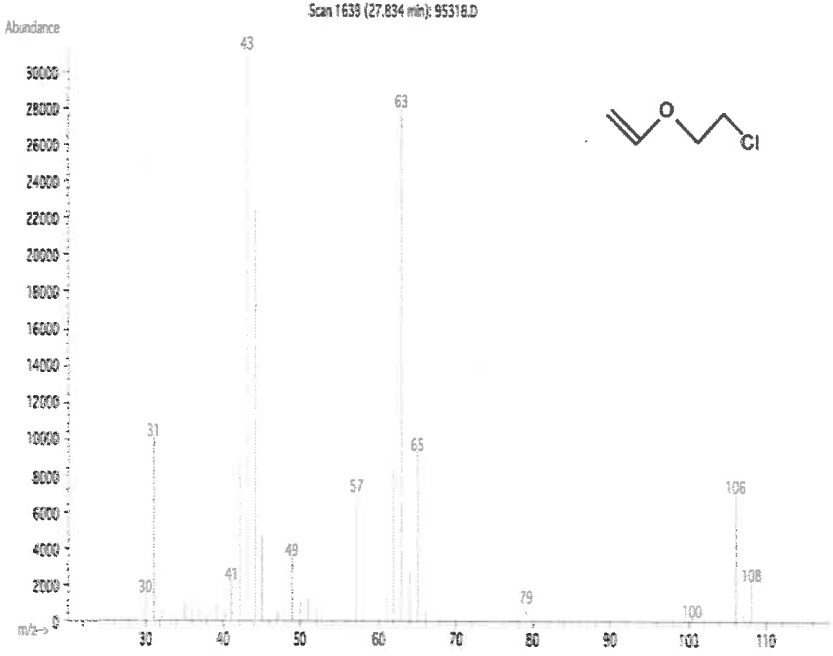
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

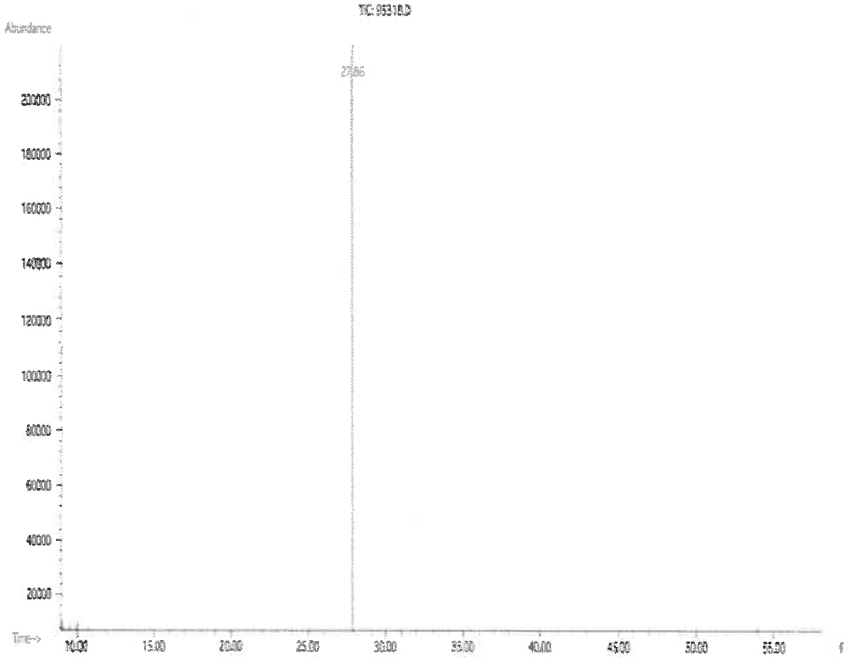
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

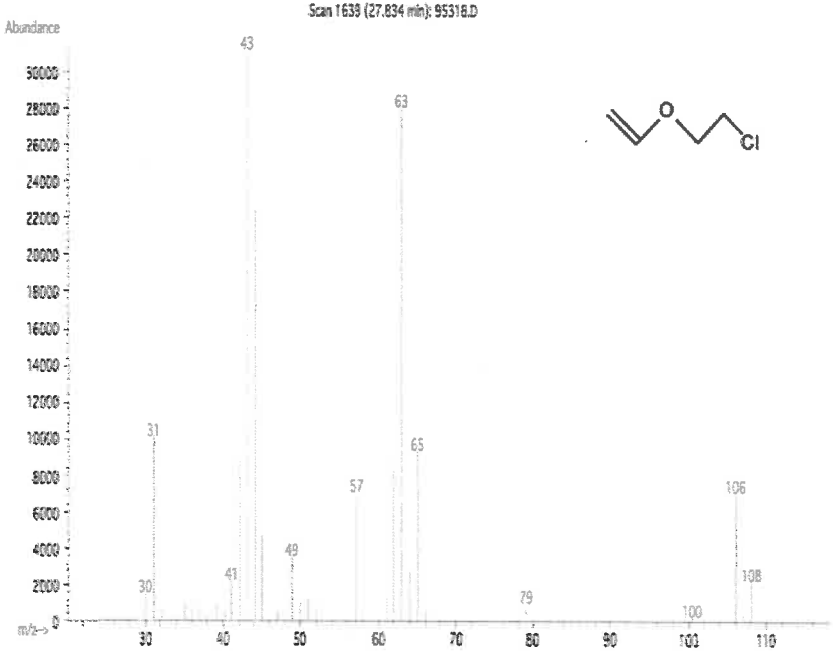
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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**
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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.
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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.
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Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
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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Absolute Standards, Inc.
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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

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

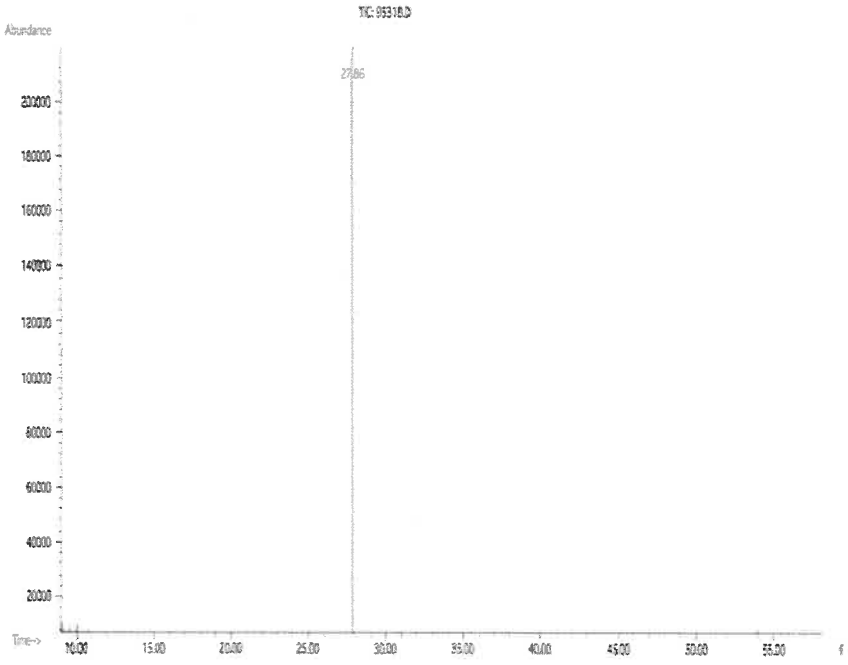
Solvent(s): Methanol **Lot#** EJ143-US

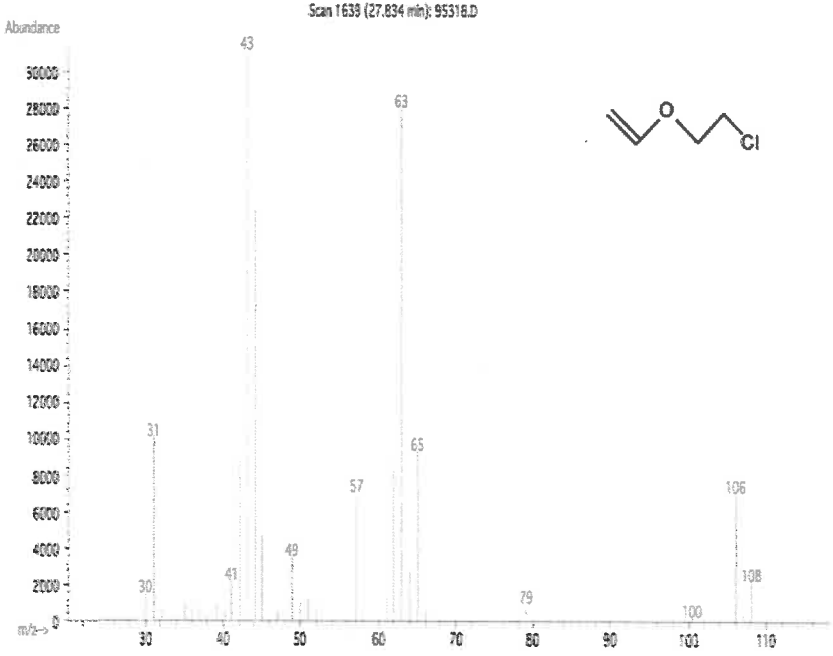
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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.

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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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Expiration Date: 120527
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Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

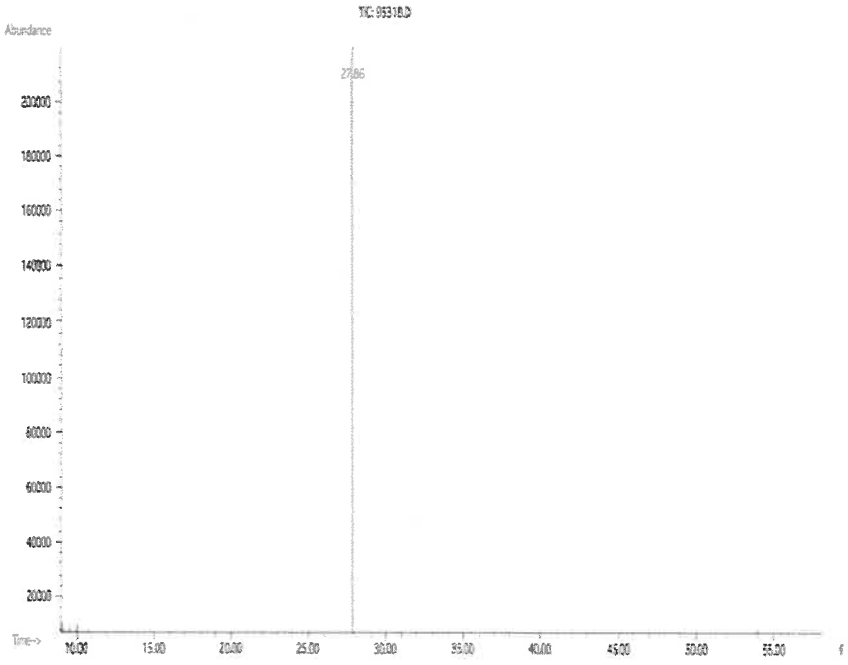
5E-05 Balance Uncertainty
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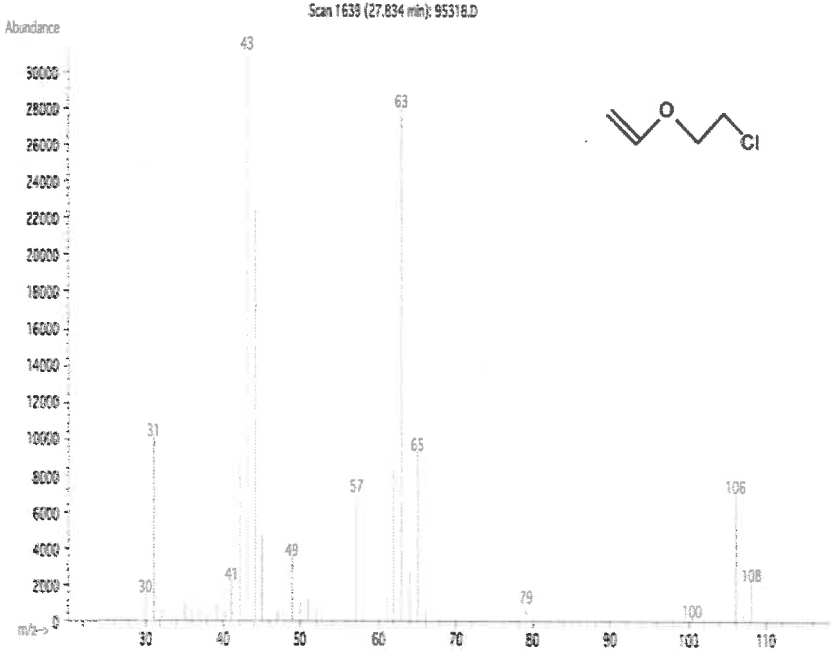
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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UN number: 1230 Class: 3 Packing group: II
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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.)

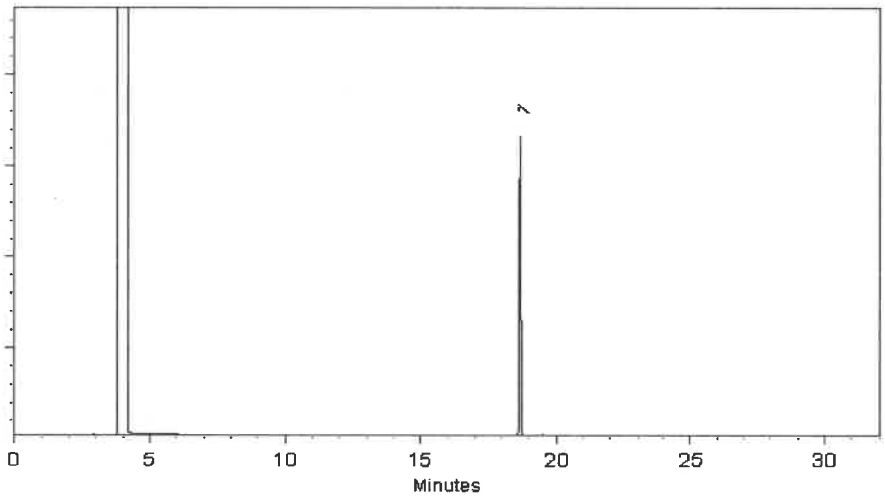
Inj. Temp:
200°C

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
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

gravimetric

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.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- 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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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.)

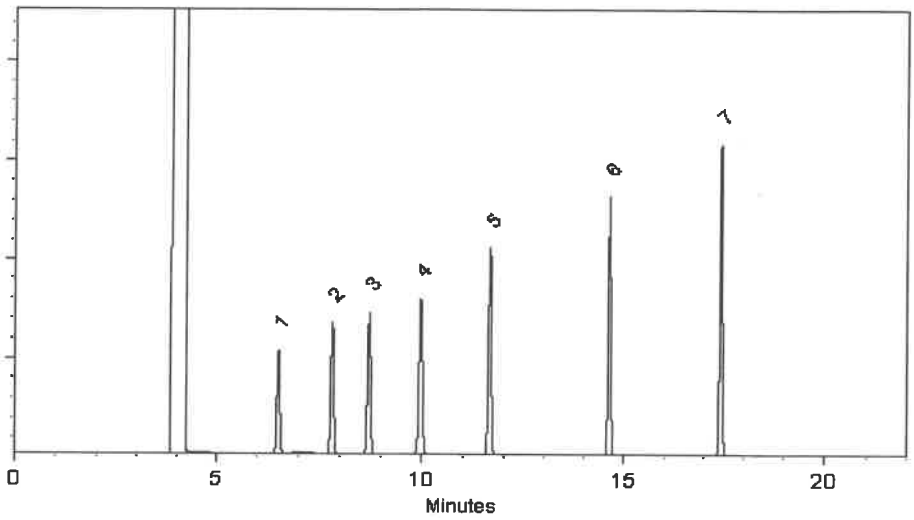
Inj. Temp:
200°C

Det. Temp:
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.
- 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
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

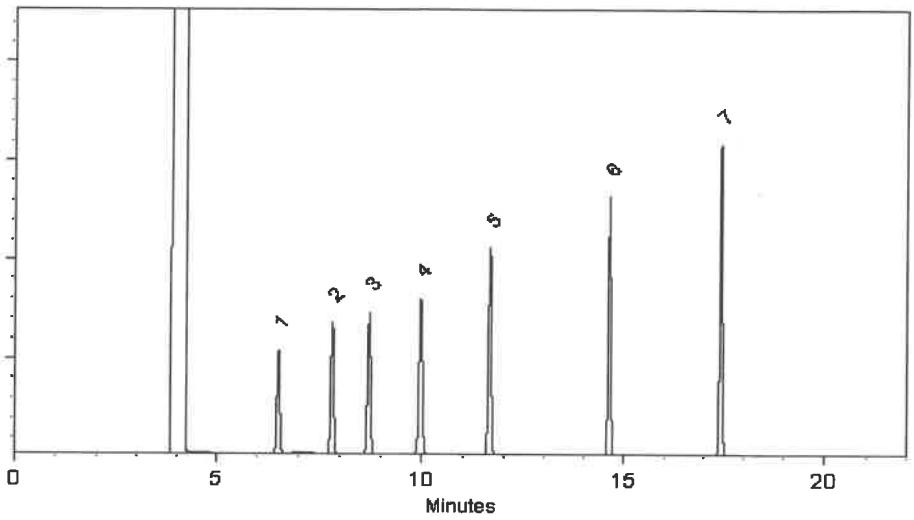
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

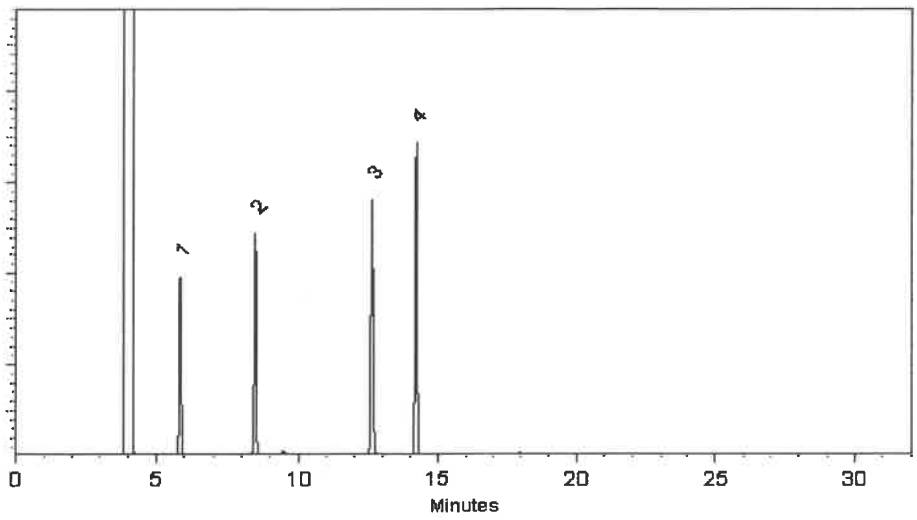
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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

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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

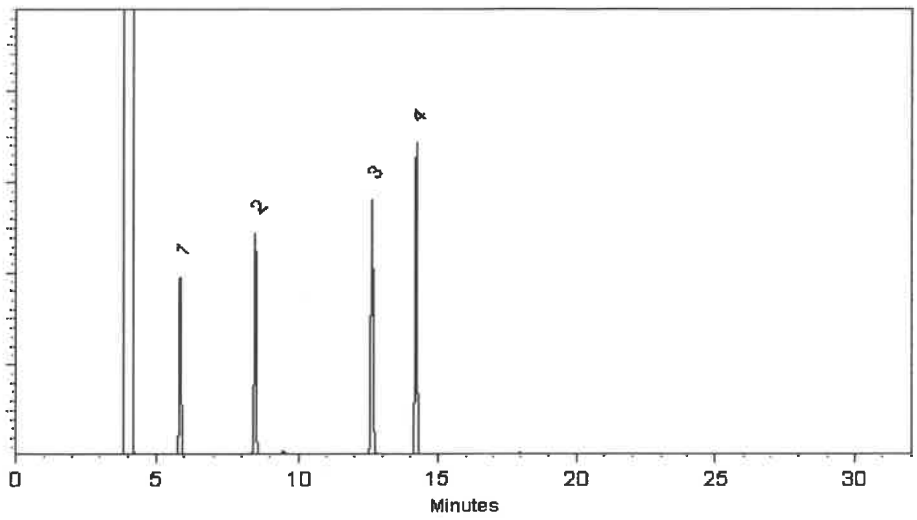
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- 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 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

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. : 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.)

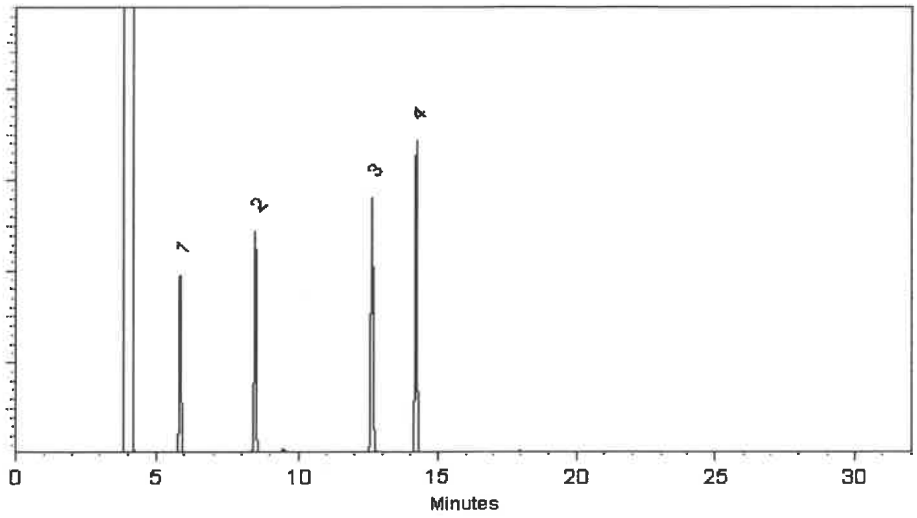
Inj. Temp:
200°C

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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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

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V14667 to
V14676

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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.)

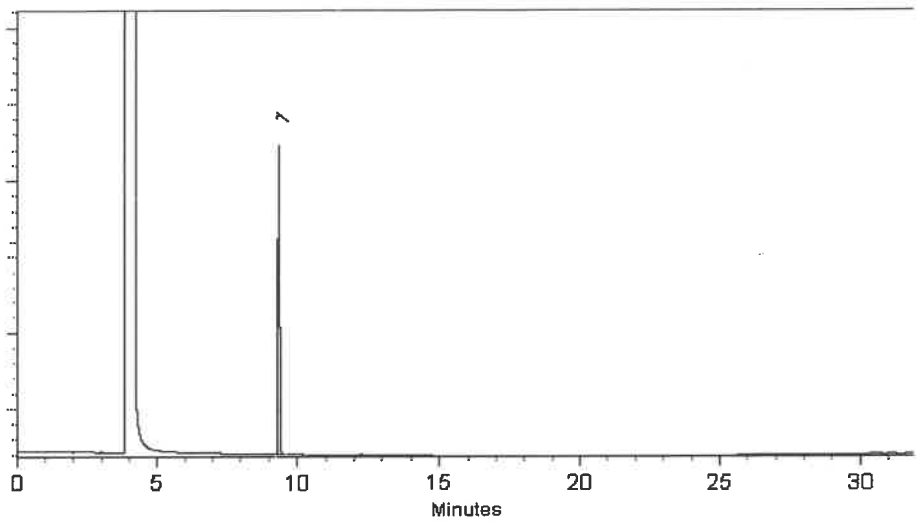
Inj. Temp:
200°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

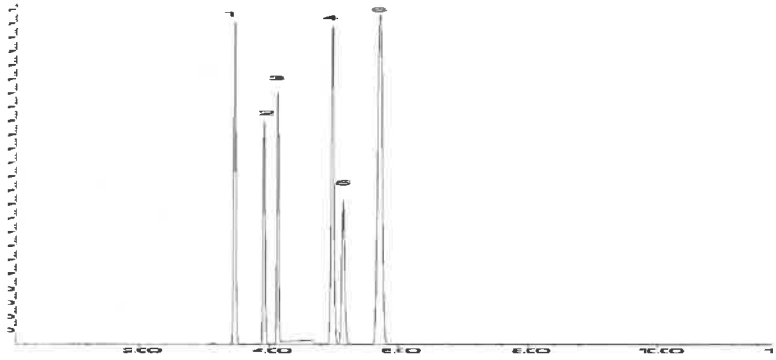
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

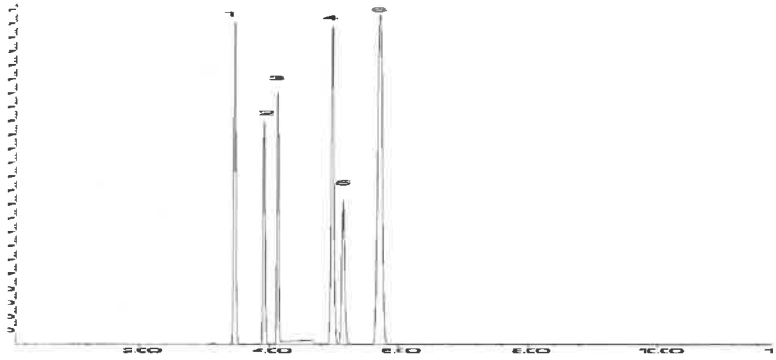
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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:

- 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:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

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.)

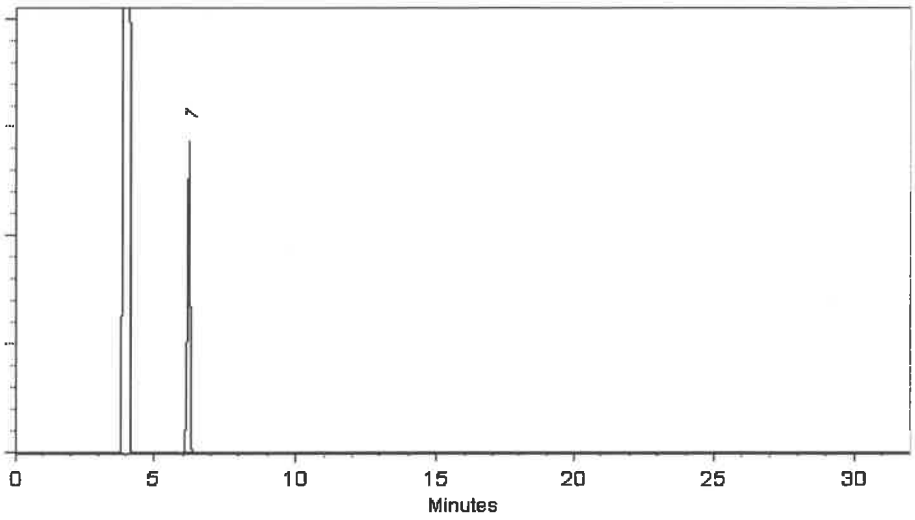
Inj. Temp:
200°C

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.
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Purity Notes:

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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  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

Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

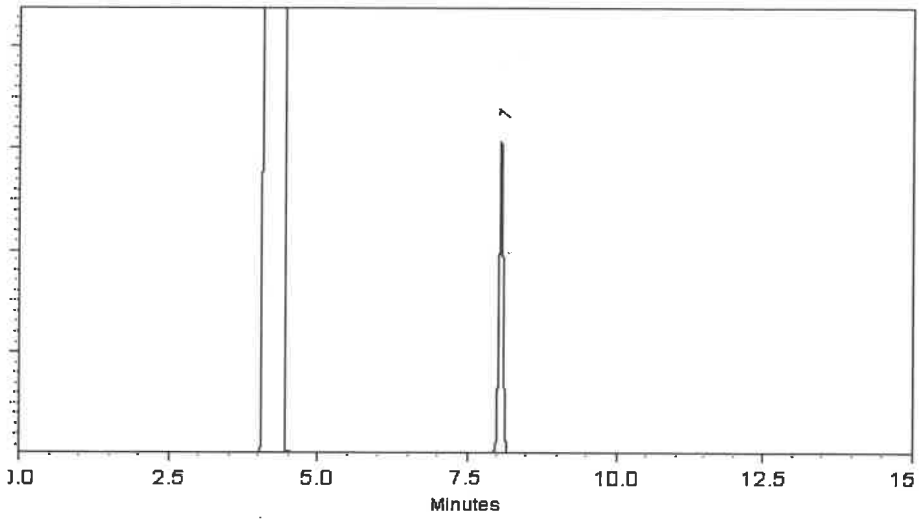
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

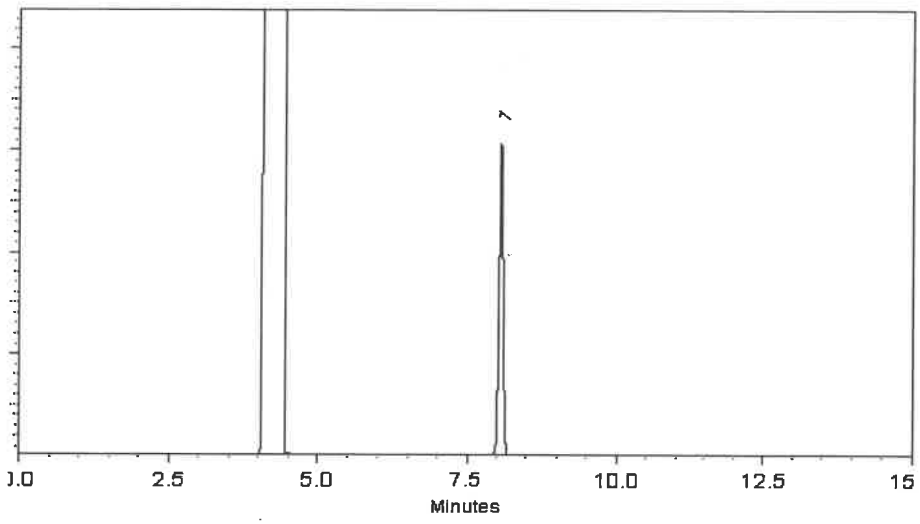
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

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.

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
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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 06/20/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 061925
Description: Acrolein

Solvent(s): **Lot#**
Water 041725Q

Expiration Date: 071925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

V15028 to V15032

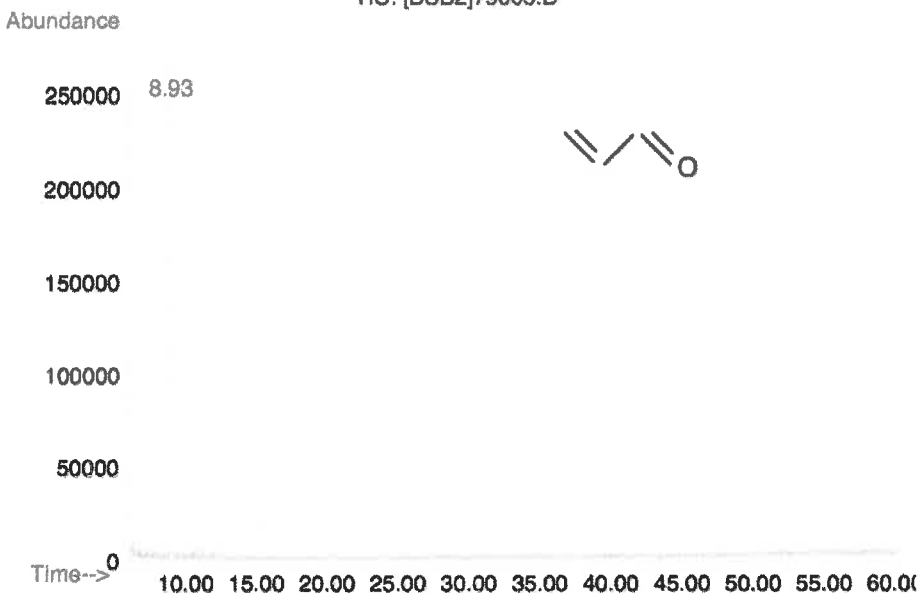
Prashant Chauhan 061925
Formulated By: Prashant Chauhan DATE

Pedro Rentas 061925
Reviewed By: Pedro L. Rentas DATE

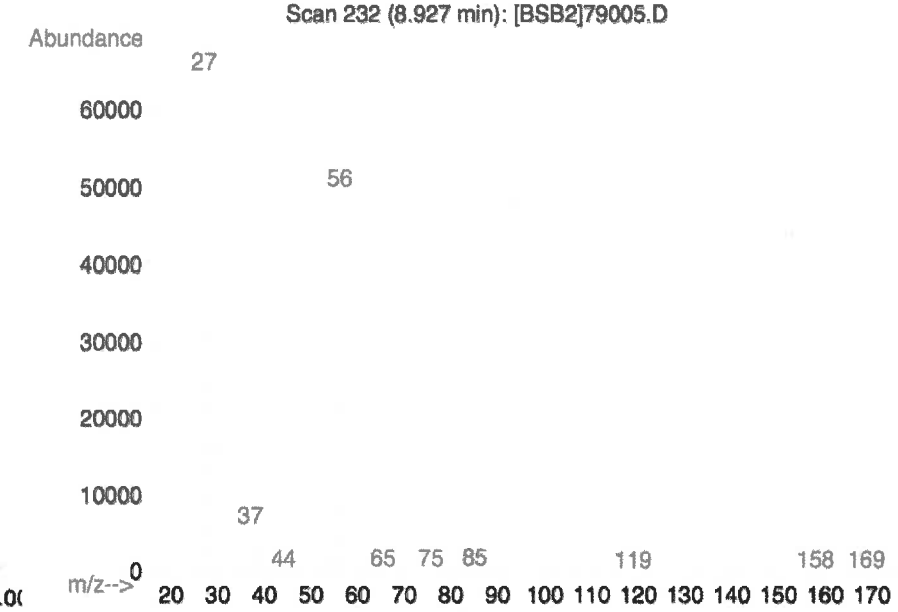
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	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.

TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



- 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

Exp 06/20/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

Part Number:	91980
Lot Number:	061925
Description:	Acrolein
Expiration Date:	071925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s):	**Lot#**
Water	041725Q

V15028 to V15032

5E-05 Balance Uncertainty

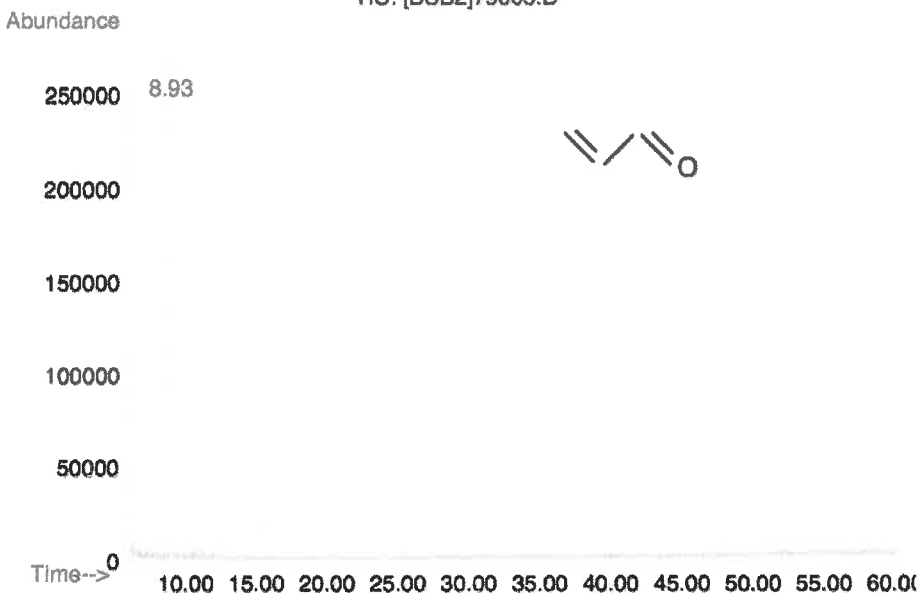
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	061925 DATE
Reviewed By:	Pedro L. Rentas	061925 DATE

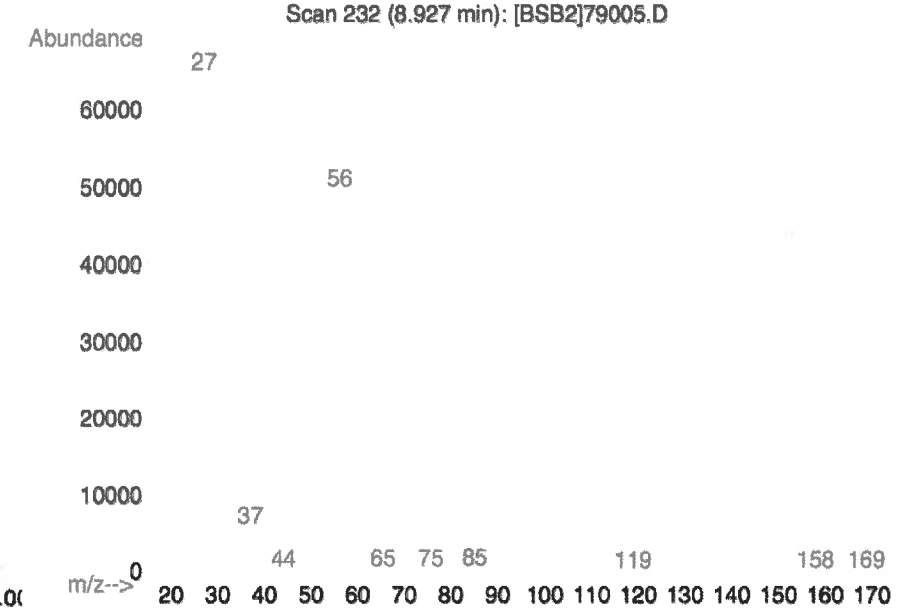
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05180	5013.7	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.

TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



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Rev 1.0, 2/25/2025

Absolute Standards, Inc.
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Certified Reference Material CRM

Exp 06/20/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

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Expiration Date:	071925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 041725Q

V15028 to V15032

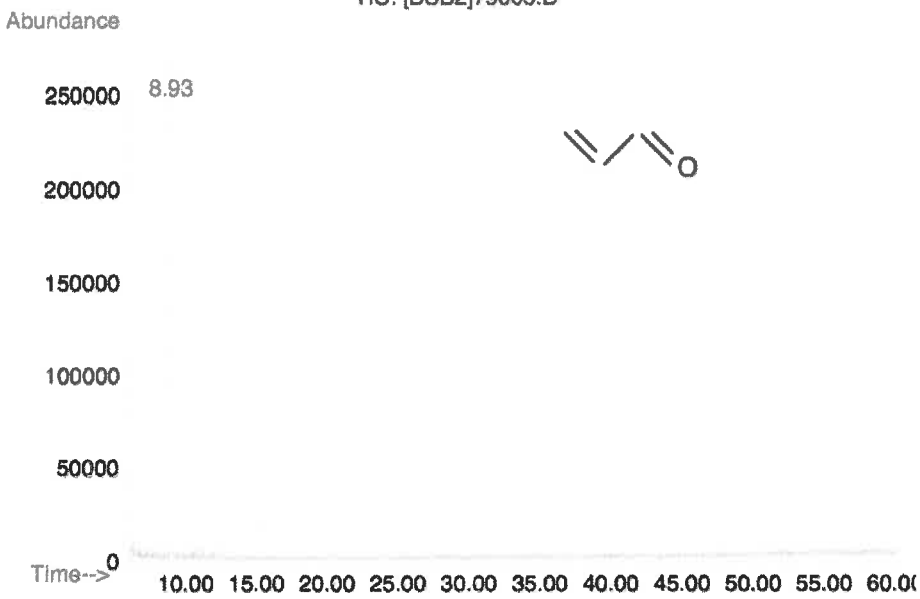
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	061925 DATE
Reviewed By:	Pedro L. Rentas	061925 DATE

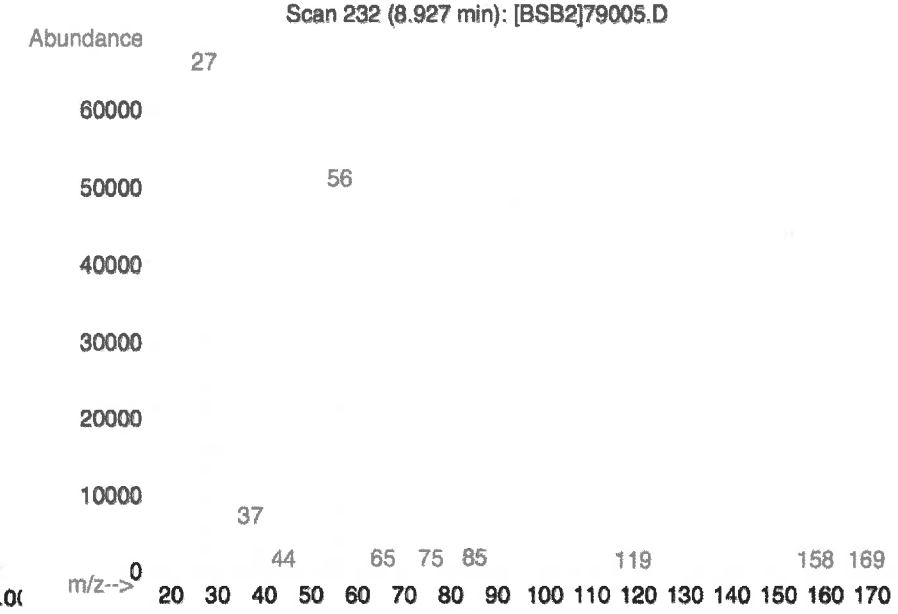
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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TIC: [BSB2]79005.D



Scan 232 (8.927 min): [BSB2]79005.D



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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	Q2558-01	37.55-32.71=4.84	12:00	37.37-32.52=4.85	12:01	34.39-29.62=4.77	12:02	V14921	07/10/2025	8260 TERRACORE SAMPLES
2	Q2558-03	38.16-32.83=5.33	12:03	37.65-32.61=5.04	12:04	34.88-29.80=5.08	12:06	V14921	07/10/2025	

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 2558

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:	A. Brittingham

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-Denali-070925	7/9/25	11:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-Grillo-OG-070925	7/9/25	11:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X

[2] Preservation Code

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: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
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:
Tk Cur #1 4.3 -1

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

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2558 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 11:16:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 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
Q2558-01	OU4-TS-Denali-070925	Solid	07/09/2025	11:15					
					VOCMS Group3		8260D		~~10~~ Bus. Days 5
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	07/09/2025	11:30					
					VOCMS Group3		8260D		~~10~~ Bus. Days 5

Relinguished By : Ad
Date / Time : 7/10/25 1305

Received By : Sam
Date / Time : 07/10/25 13:05

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 10.180%#				
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 9.880%#				
50) Toluene-d8	10.331	98	46017	4.615	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 9.220%#				
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 9.760%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l		100
3) Chloromethane	2.247	50	9357	4.977	ug/l		98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l		98
5) Bromomethane	2.820	94	9829	5.092	ug/l	#	78
6) Chloroethane	2.966	64	8474	5.048	ug/l	#	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l		95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l		84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l		98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l		98
11) Tert butyl alcohol	5.222	59	4450	21.858	ug/l		96
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l		93
13) Acrolein	3.936	56	8223	22.472	ug/l	#	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l		98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l		97
16) Acetone	4.161	43	27960	34.210	ug/l		99
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l	#	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l		99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l		94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l		96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l		98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l	#	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l		100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l		98
25) 2-Butanone	7.197	43	25644	24.268	ug/l		96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l		97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l		99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l	#	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l		99
30) Chloroform	7.691	83	28162	5.007	ug/l		97
31) Cyclohexane	7.965	56	26905	5.750	ug/l	#	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l		96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l		98
37) Ethyl Acetate	7.276	43	11623	4.752	ug/l	#	93
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l		97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l		94
40) Benzene	8.337	78	57889	5.046	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724 ug/l #	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194 ug/l	99
43) Isopropyl Acetate	8.441	43	19704	4.673 ug/l	97
44) Trichloroethene	9.105	130	14112	4.928 ug/l	98
45) 1,2-Dichloropropane	9.374	63	14286	5.152 ug/l	95
46) Dibromomethane	9.465	93	9383	5.242 ug/l	98
47) Bromodichloromethane	9.654	83	20888	4.976 ug/l	98
48) Methyl methacrylate	9.441	41	9461	4.563 ug/l	98
49) 1,4-Dioxane	9.471	88	1808	94.872 ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143 ug/l	100
52) Toluene	10.392	92	36200	4.928 ug/l	96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508 ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724 ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239 ug/l	95
56) Ethyl methacrylate	10.648	69	14584	4.584 ug/l	97
57) 1,3-Dichloropropane	10.934	76	21432	5.206 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989 ug/l	99
59) 2-Hexanone	10.971	43	37987	23.125 ug/l	96
60) Dibromochloromethane	11.129	129	13506	4.817 ug/l	98
61) 1,2-Dibromoethane	11.239	107	11844	5.046 ug/l	99
64) Tetrachloroethene	10.867	164	11991	5.068 ug/l	95
65) Chlorobenzene	11.654	112	40816	5.114 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935 ug/l	96
67) Ethyl Benzene	11.733	91	67293	4.862 ug/l	99
68) m/p-Xylenes	11.837	106	49892	9.378 ug/l	97
69) o-Xylene	12.166	106	22994	4.668 ug/l	98
70) Styrene	12.178	104	38573	4.530 ug/l	96
71) Bromoform	12.349	173	7112	4.688 ug/l #	96
73) Isopropylbenzene	12.465	105	62409	4.790 ug/l	98
74) N-amyl acetate	12.269	43	15998	4.555 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	19488	8.804 ug/l	39
77) Bromobenzene	12.745	156	15131	5.207 ug/l	89
78) n-propylbenzene	12.800	91	74850	4.797 ug/l	99
79) 2-Chlorotoluene	12.891	91	46542	4.954 ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408 ug/l #	81
82) 4-Chlorotoluene	12.989	91	50283	5.098 ug/l	100
83) tert-Butylbenzene	13.202	119	43370	4.694 ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788 ug/l	97
85) sec-Butylbenzene	13.379	105	67046	4.835 ug/l	99
86) p-Isopropyltoluene	13.489	119	53492	4.681 ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206 ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211 ug/l	92
89) n-Butylbenzene	13.818	91	53555	4.823 ug/l	97
90) Hexachloroethane	14.086	117	9816	4.761 ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143 ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138 ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030 ug/l	97
94) Hexachlorobutadiene	15.226	225	8122	5.120 ug/l	88
95) Naphthalene	15.360	128	37422	4.647 ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895 ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

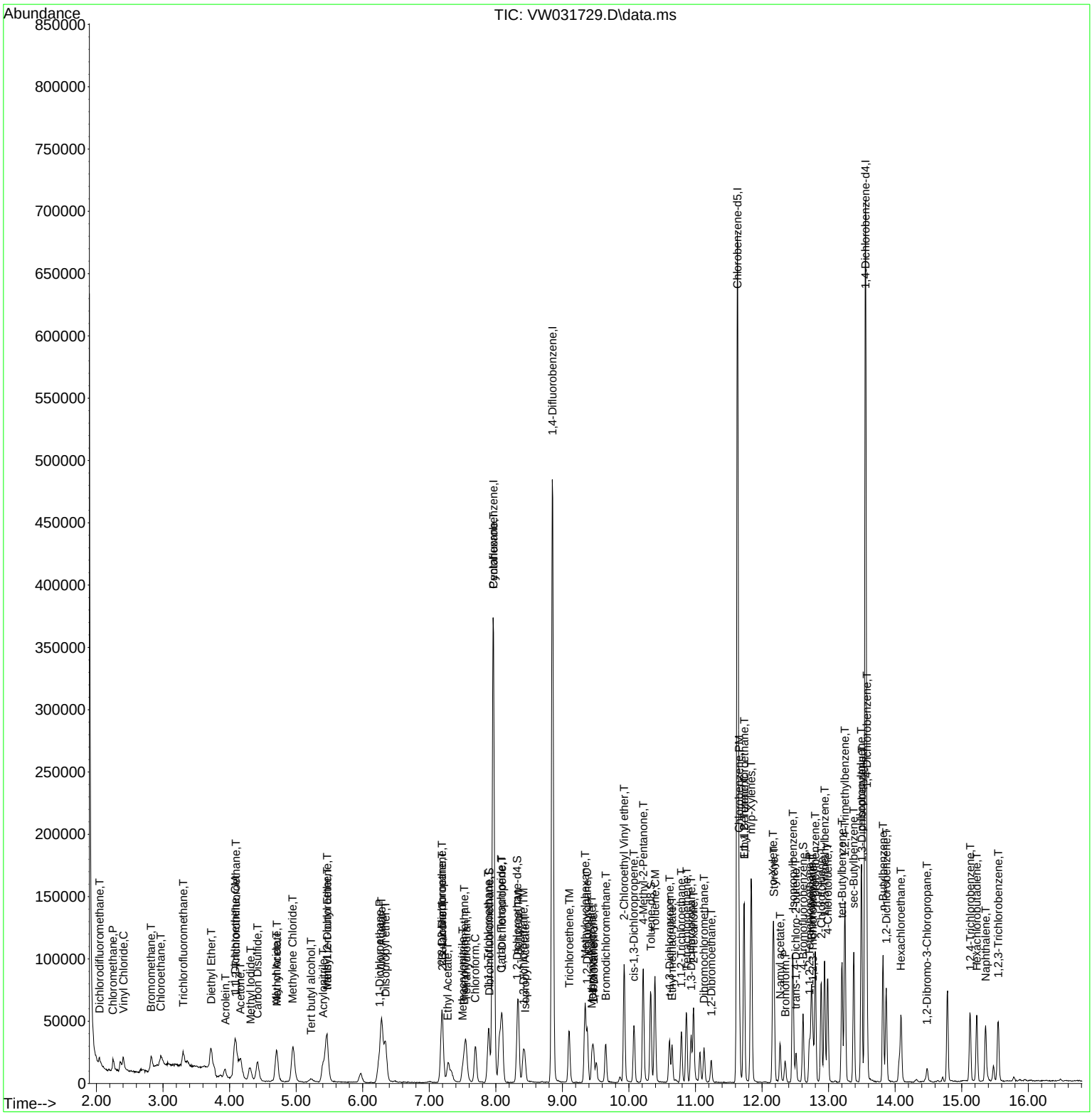
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

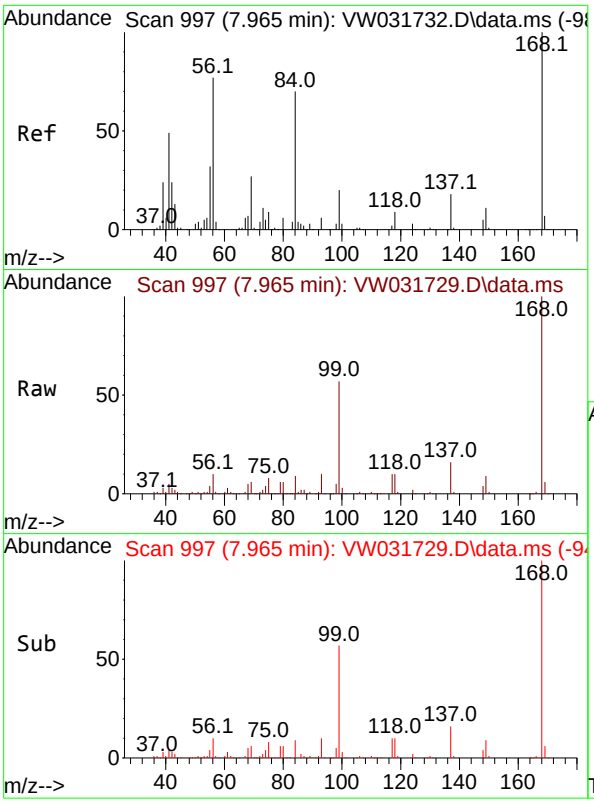
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
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 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



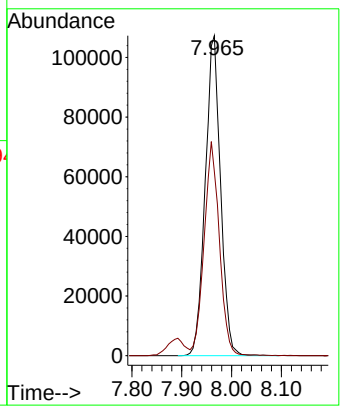


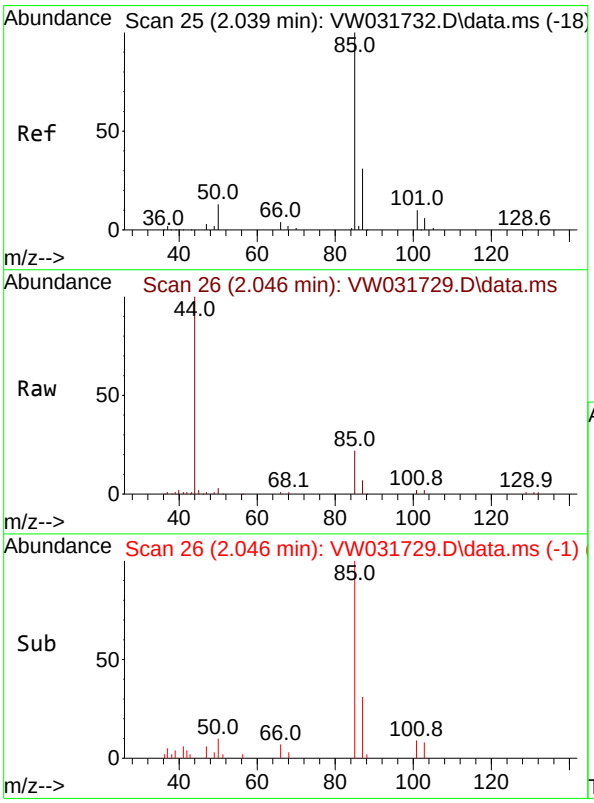
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 228987

Ion	Ratio	Lower	Upper
168	100		
99	57.4	49.4	74.2

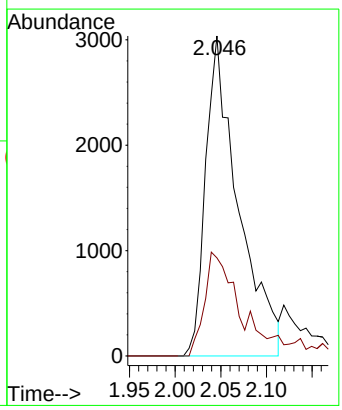


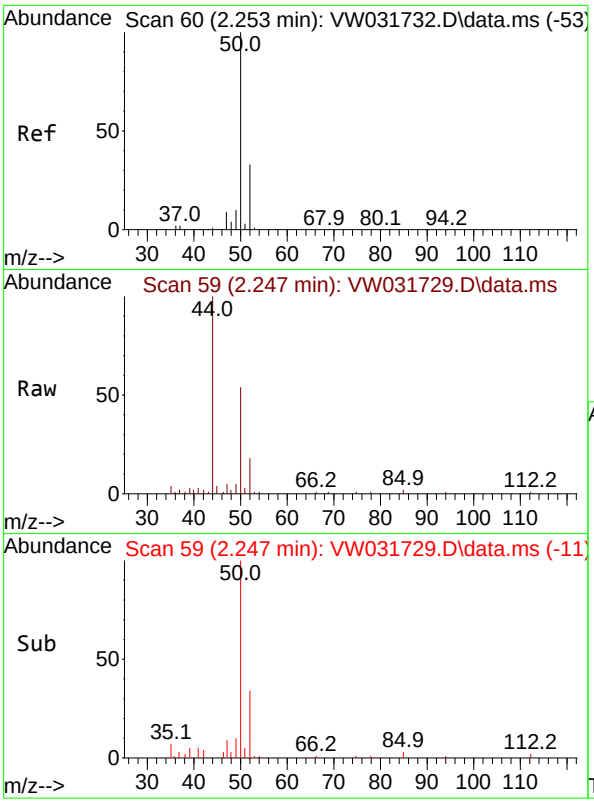


#2
Dichlorodifluoromethane
Concen: 4.849 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 85 Resp: 7562

Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.4	46.2



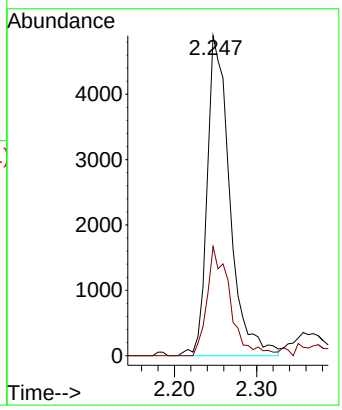


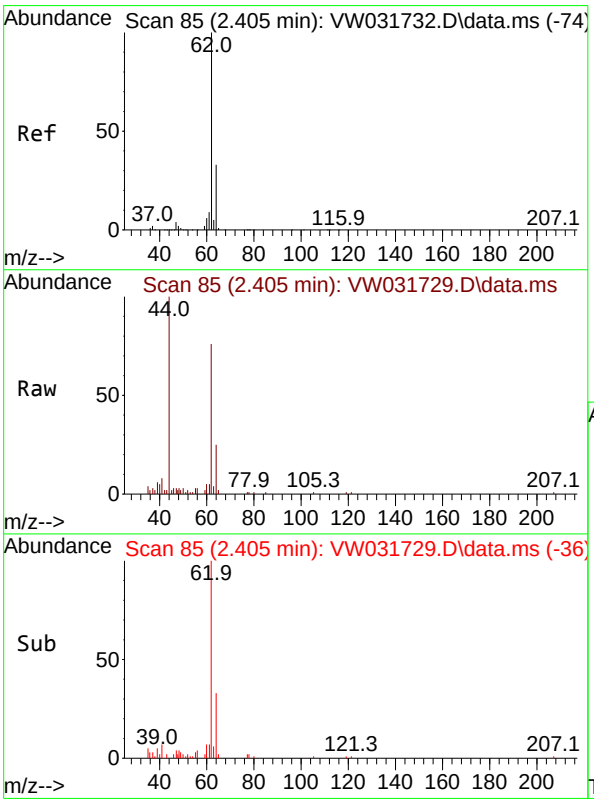
#3
Chloromethane
Concen: 4.977 ug/l
RT: 2.247 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 9357

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.2	39.2

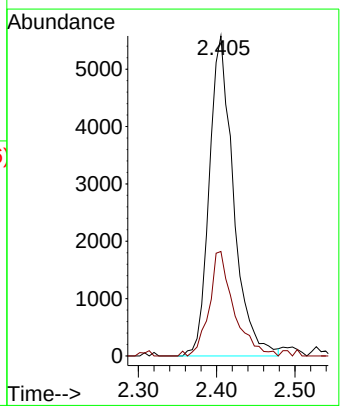


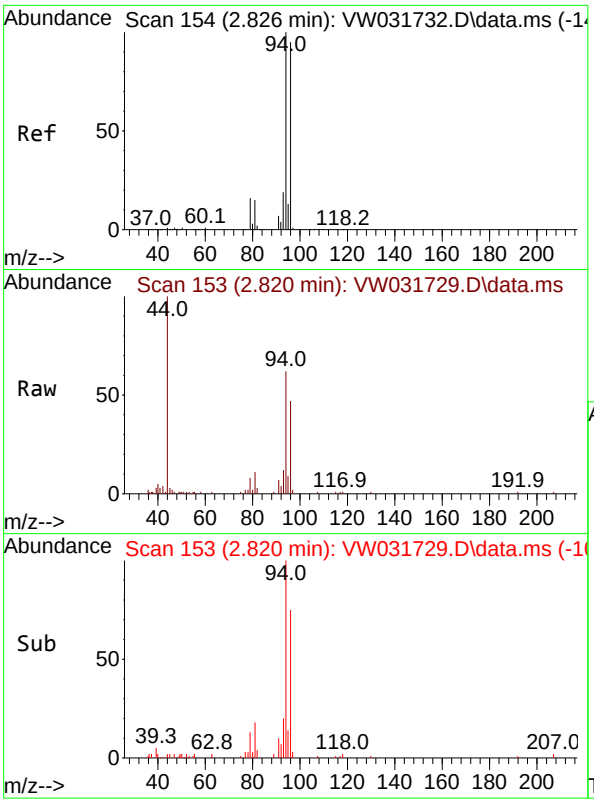


#4
Vinyl Chloride
Concen: 4.844 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 62 Resp: 11970

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.8	40.2



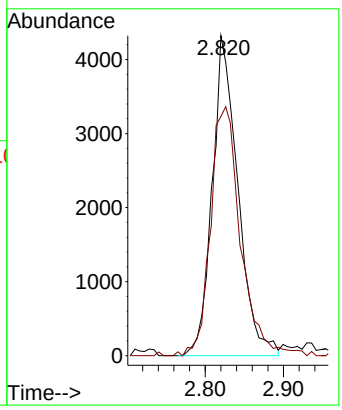


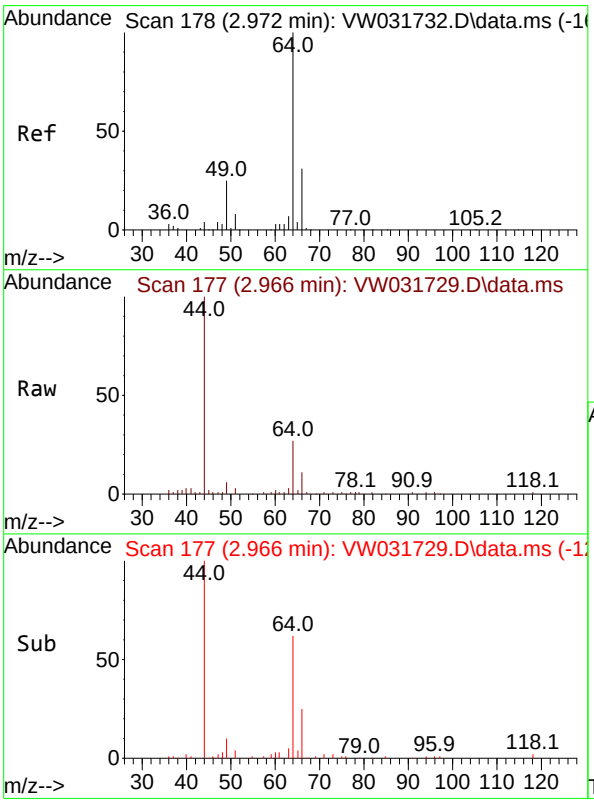
#5
Bromomethane
Concen: 5.092 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9829

Ion	Ratio	Lower	Upper
94	100		
96	73.5	75.6	113.4#

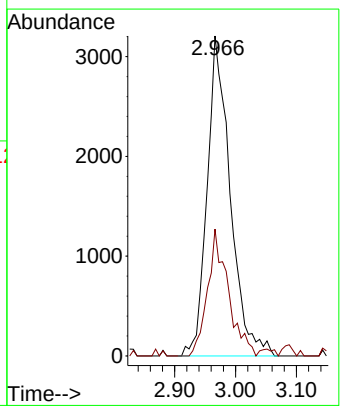


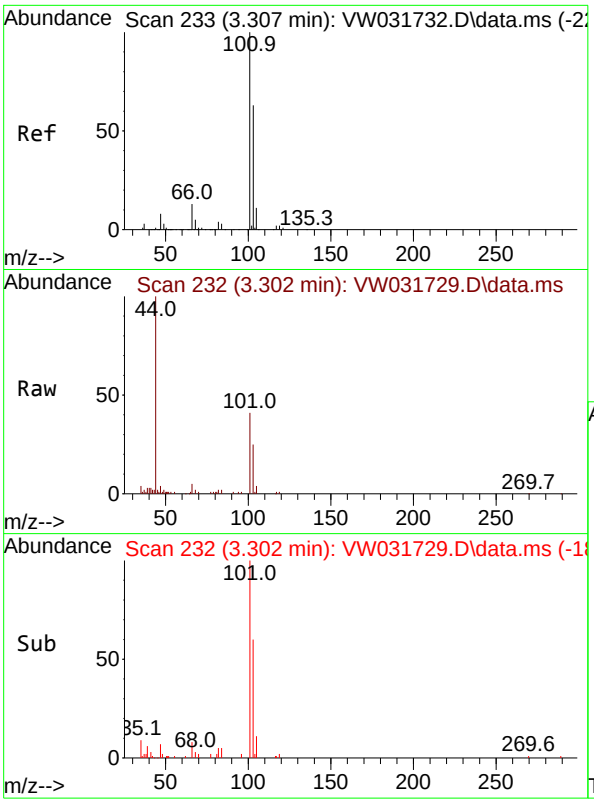


#6
Chloroethane
Concen: 5.048 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 64 Resp: 8474

Ion	Ratio	Lower	Upper
64	100		
66	39.7	24.5	36.7#



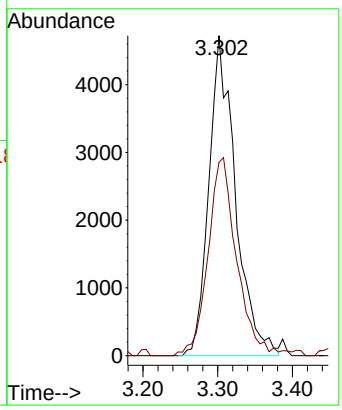


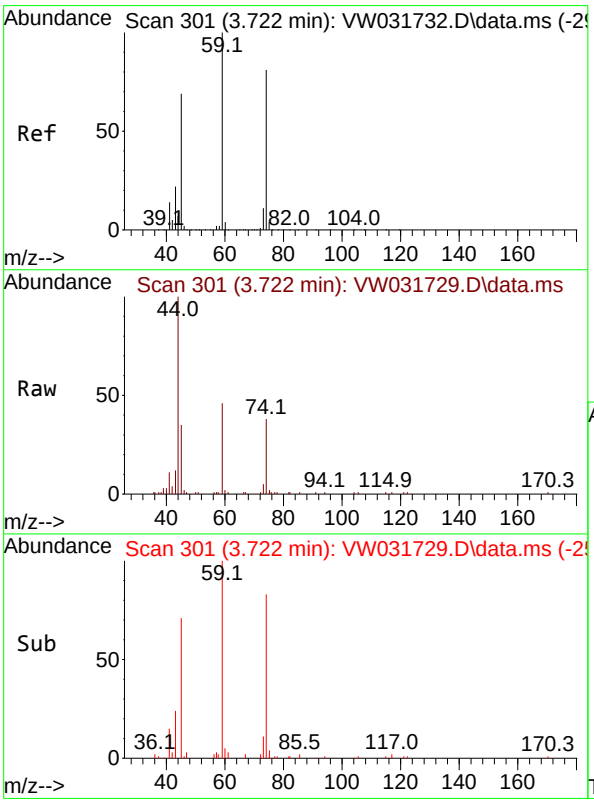
#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.302 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11652

Ion	Ratio	Lower	Upper
101	100		
103	59.3	50.2	75.4

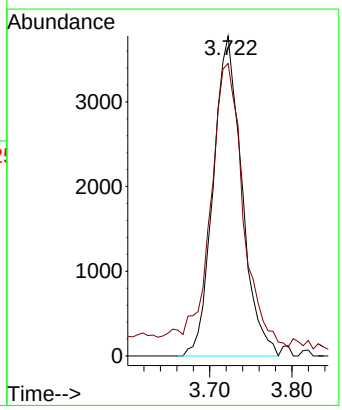


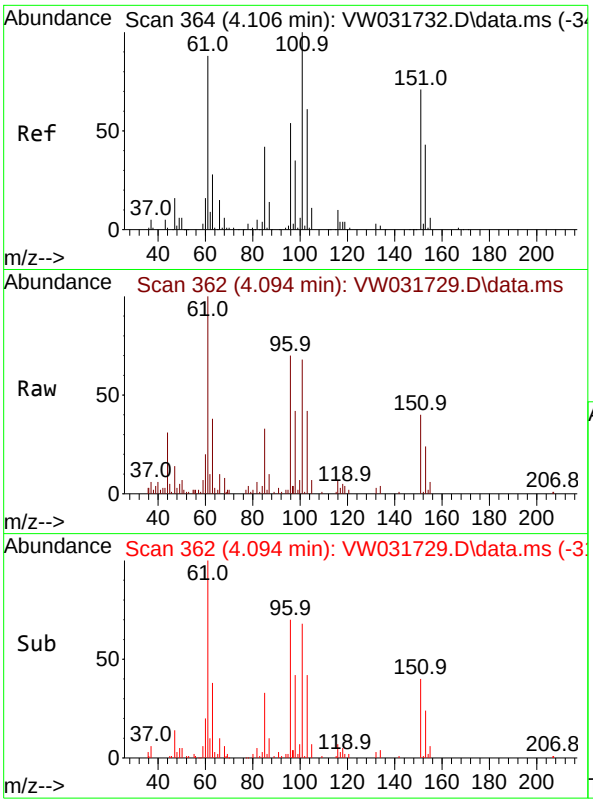


#8
Diethyl Ether
Concen: 5.354 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 74 Resp: 9130

Ion	Ratio	Lower	Upper
74	100		
45	102.7	43.9	131.7



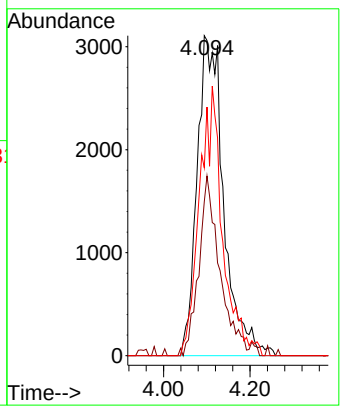


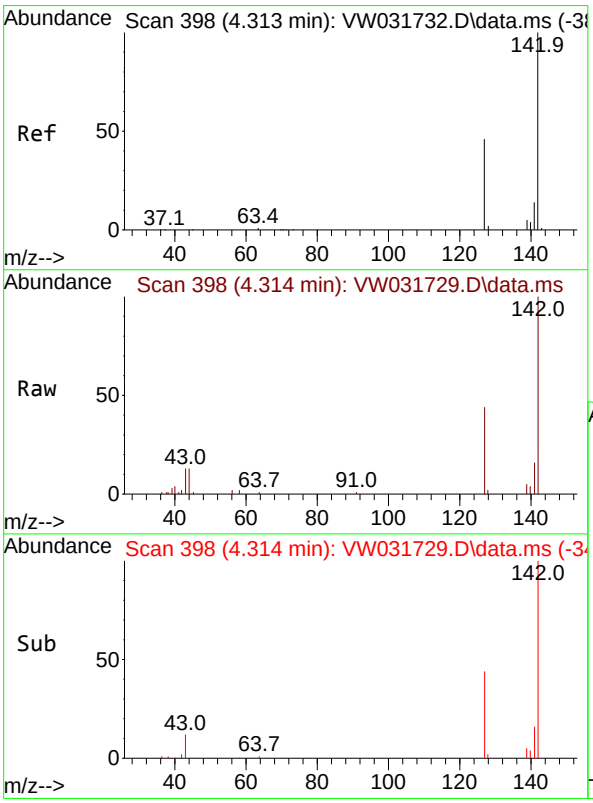
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.305 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 13215

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.6	53.4
151	73.8	56.8	85.2

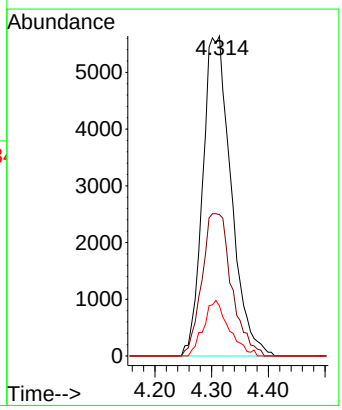


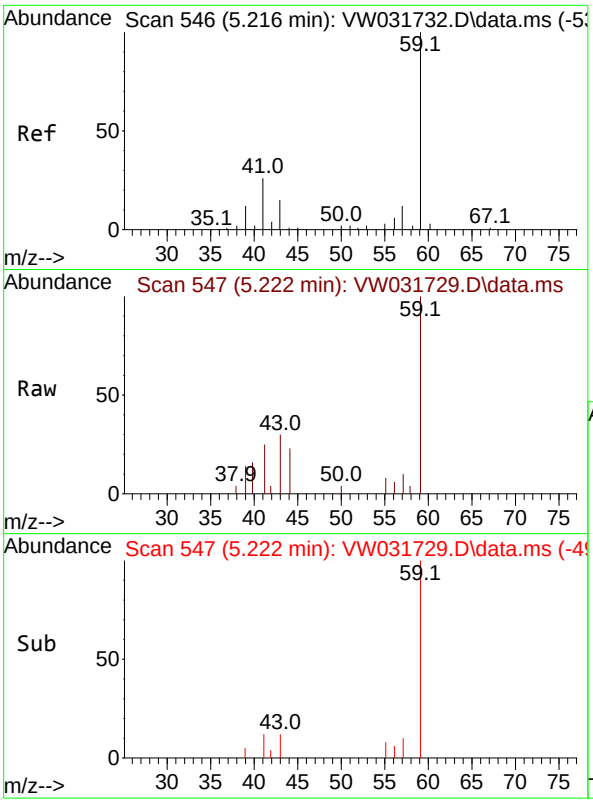


#10
Methyl Iodide
Concen: 5.093 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:142 Resp: 19559

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.9	56.9
141	15.6	11.7	17.5



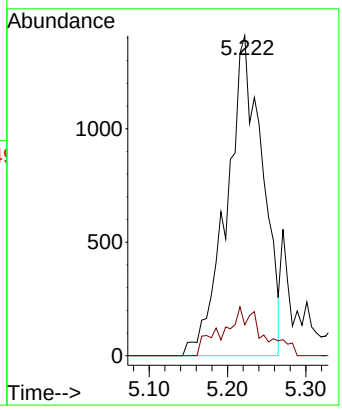


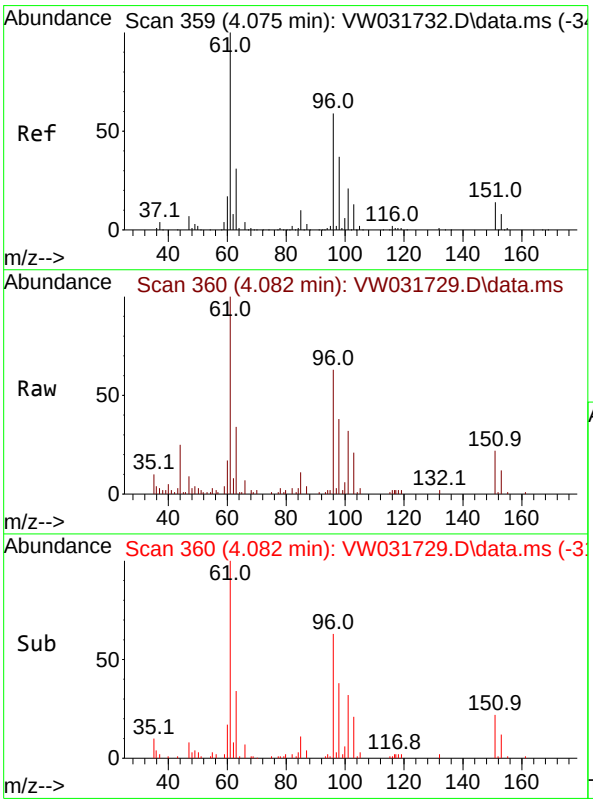
#11
Tert butyl alcohol
Concen: 21.858 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 4450

Ion	Ratio	Lower	Upper
59	100		
57	13.6	9.5	14.3

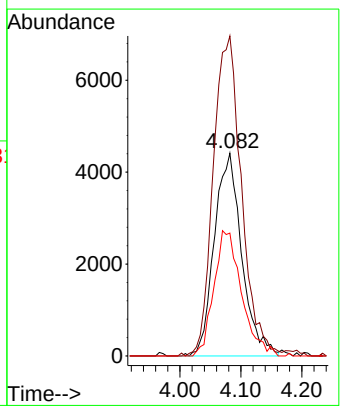


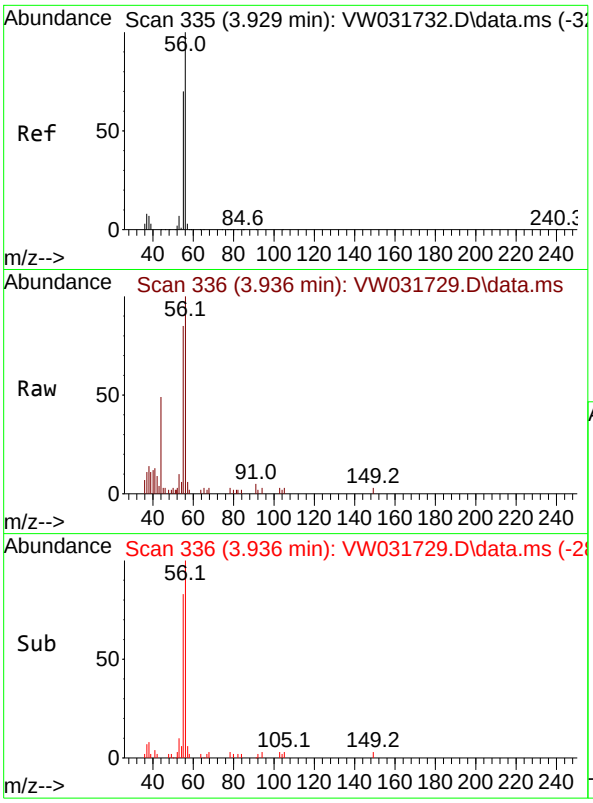


#12
1,1-Dichloroethene
Concen: 5.055 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 96 Resp: 13793

Ion	Ratio	Lower	Upper
96	100		
61	157.8	135.8	203.8
98	60.6	50.4	75.6



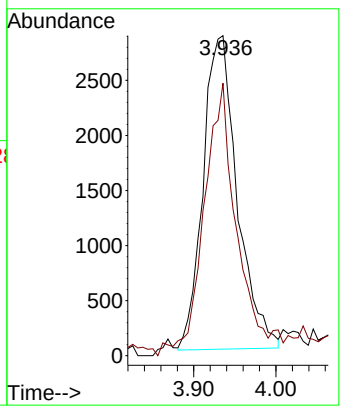


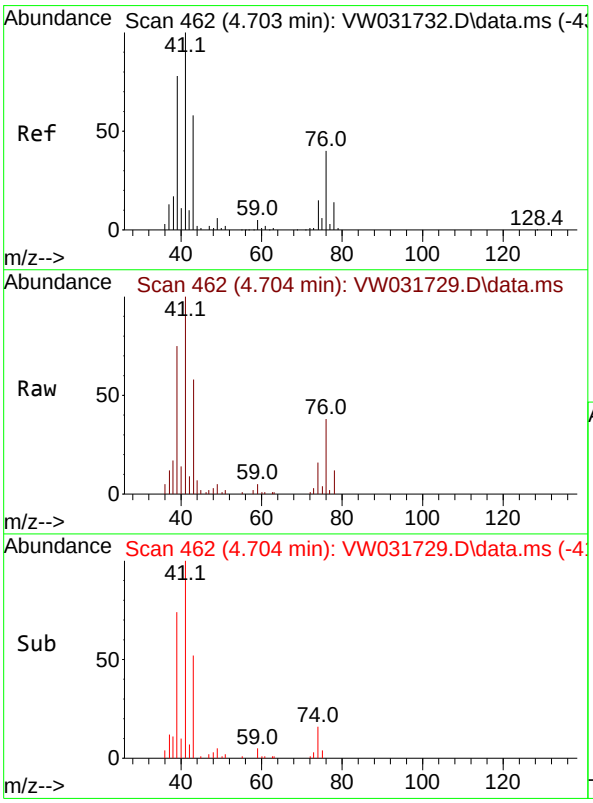
#13
Acrolein
Concen: 22.472 ug/l
RT: 3.936 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8223

Ion	Ratio	Lower	Upper
56	100		
55	81.7	54.0	81.0#

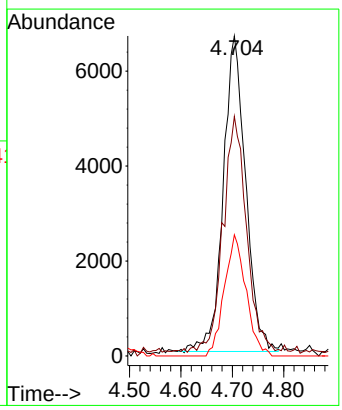


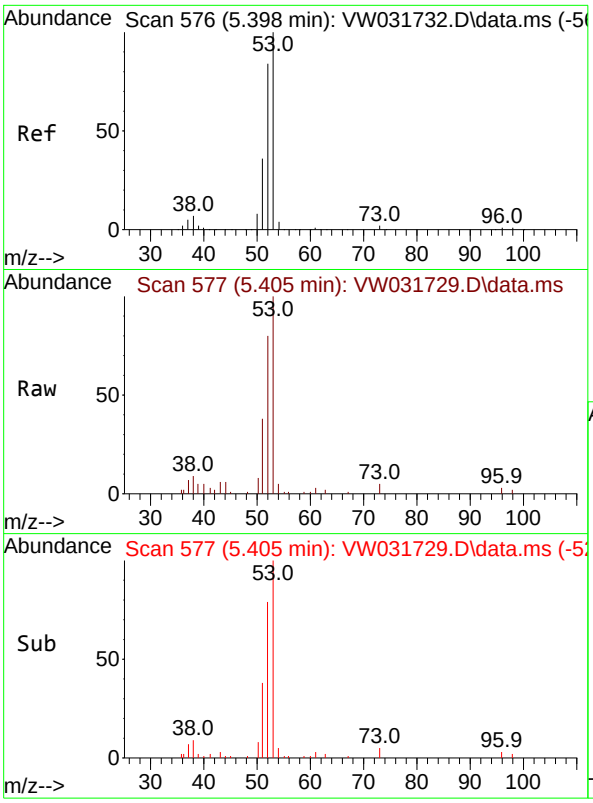


#14
Allyl chloride
Concen: 4.828 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 20213

Ion	Ratio	Lower	Upper
41	100		
39	77.9	60.7	91.1
76	36.9	30.3	45.5



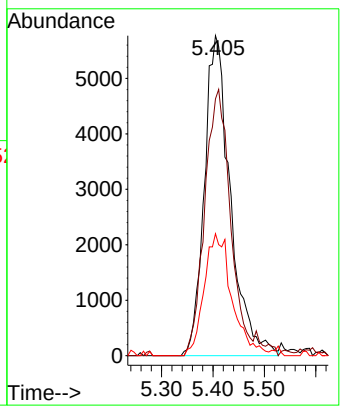


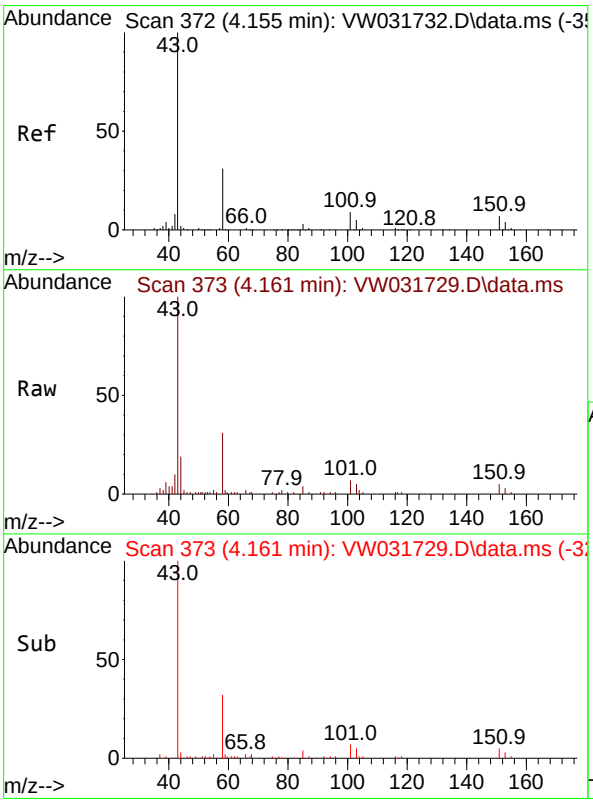
#15
Acrylonitrile
Concen: 24.197 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 20292

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.4	99.6
51	40.7	29.9	44.9

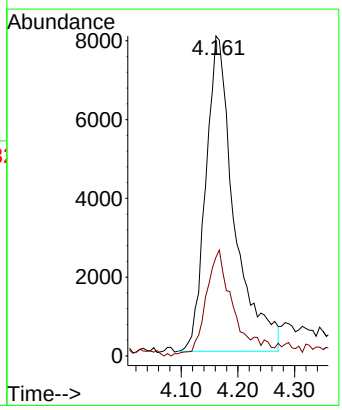


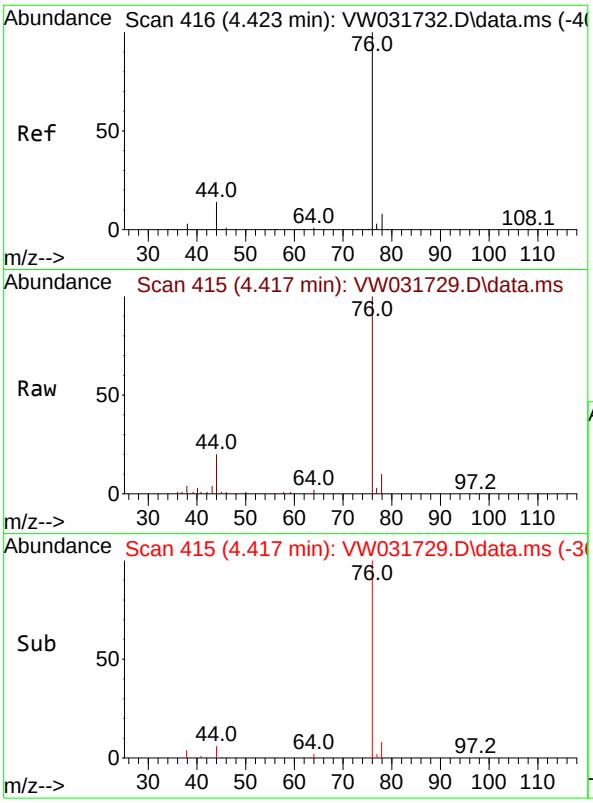


#16
Acetone
Concen: 34.210 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 27960

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.8	37.2



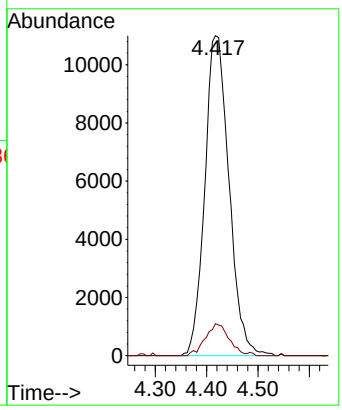


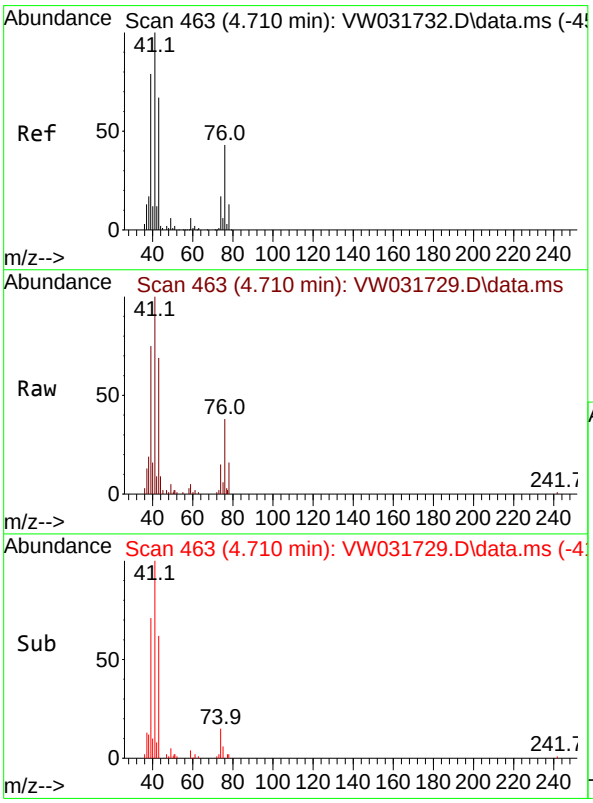
#17
Carbon Disulfide
Concen: 4.928 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 35984

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	10.0#

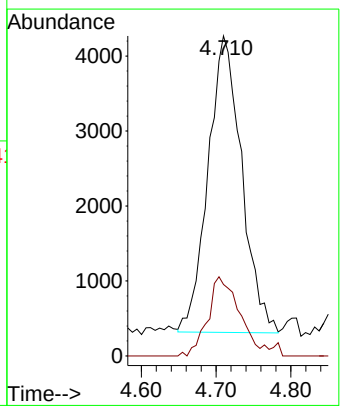


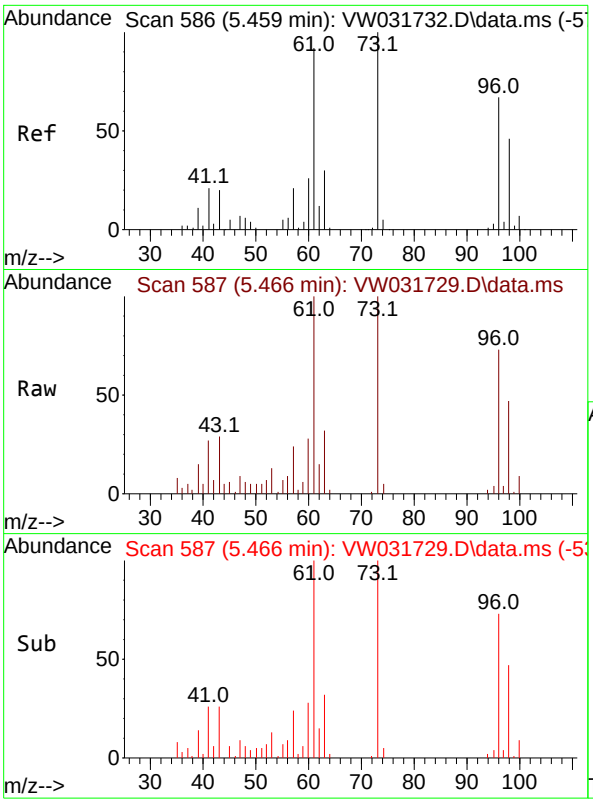


#18
Methyl Acetate
Concen: 5.326 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 12364

Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.6	30.8



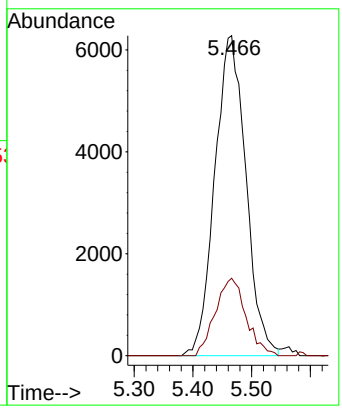


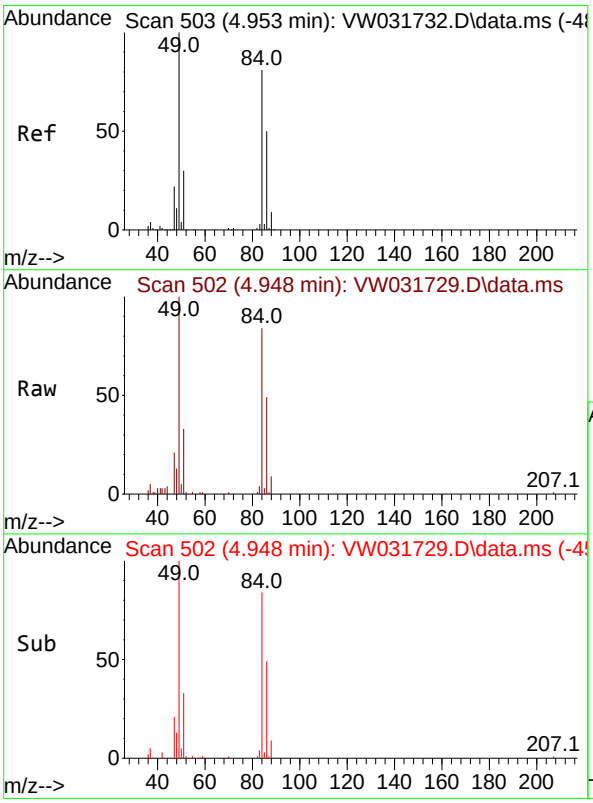
#19
Methyl tert-butyl Ether
Concen: 4.979 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 23058

Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.2	25.8

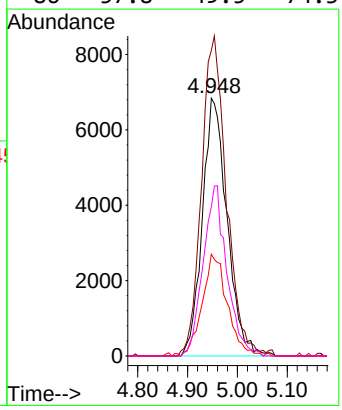


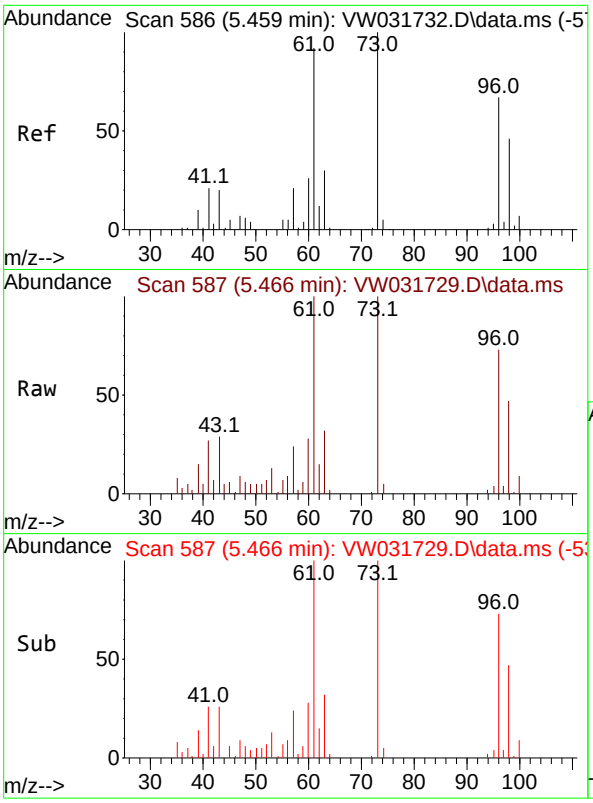


#20
Methylene Chloride
Concen: 3.124 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 84 Resp: 23553

Ion	Ratio	Lower	Upper
84	100		
49	118.5	98.2	147.4
51	39.4	29.8	44.8
86	57.8	49.5	74.3



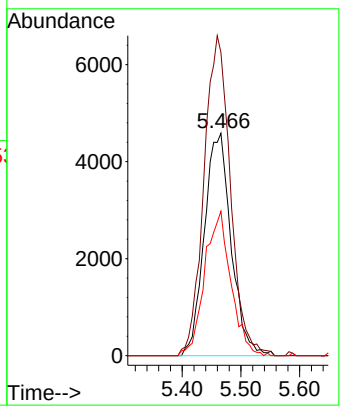


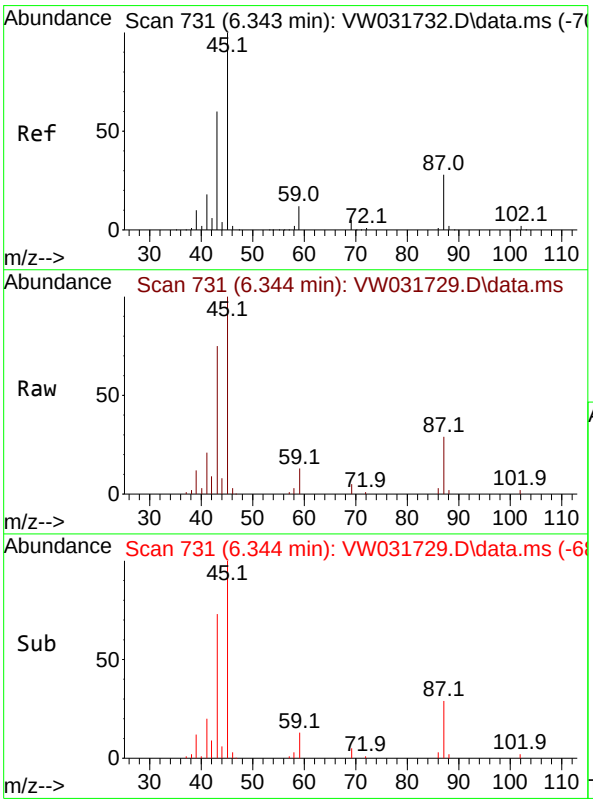
#21
trans-1,2-Dichloroethene
Concen: 5.015 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 14541

Ion	Ratio	Lower	Upper
96	100		
61	136.4	109.8	164.6
98	65.0	54.9	82.3

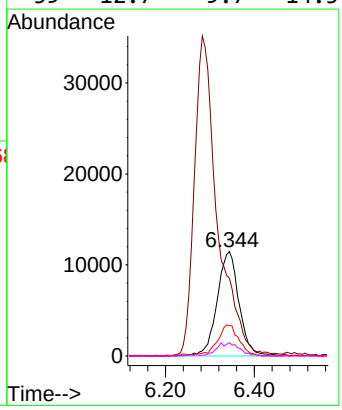


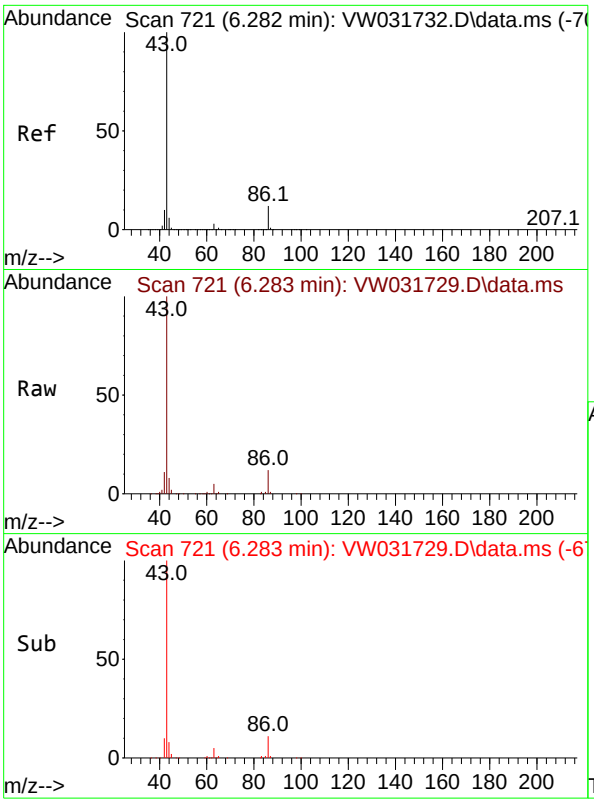


#22
Diisopropyl ether
Concen: 4.784 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 45 Resp: 39057

Ion	Ratio	Lower	Upper
45	100		
43	72.9	48.3	72.5#
87	29.1	22.6	34.0
59	12.7	9.7	14.5



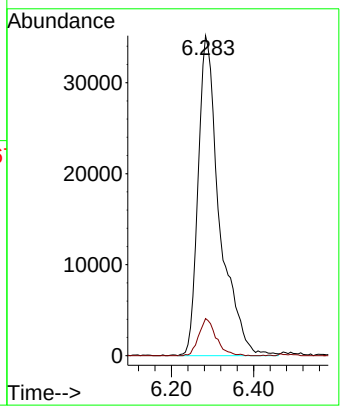


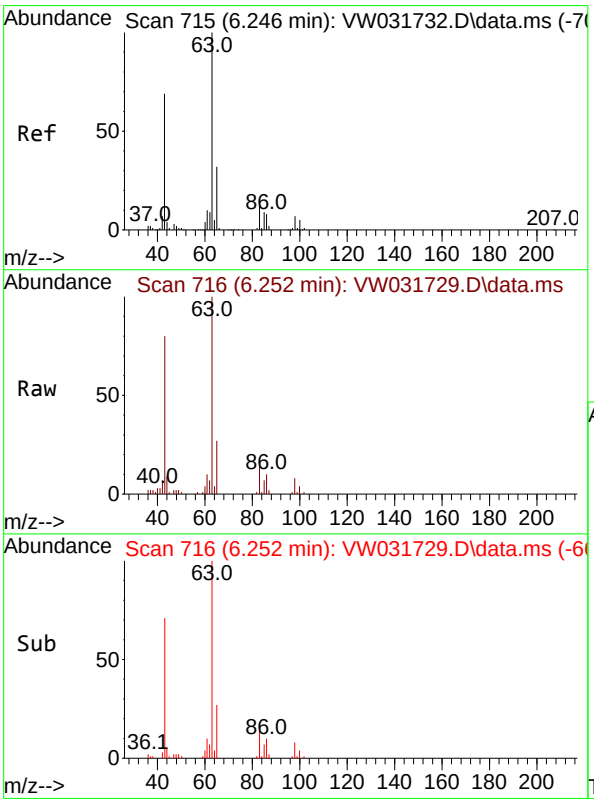
#23
Vinyl Acetate
Concen: 22.799 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 127146

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8

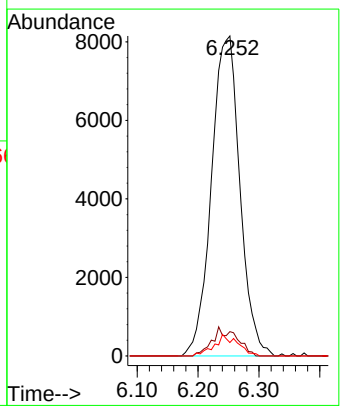


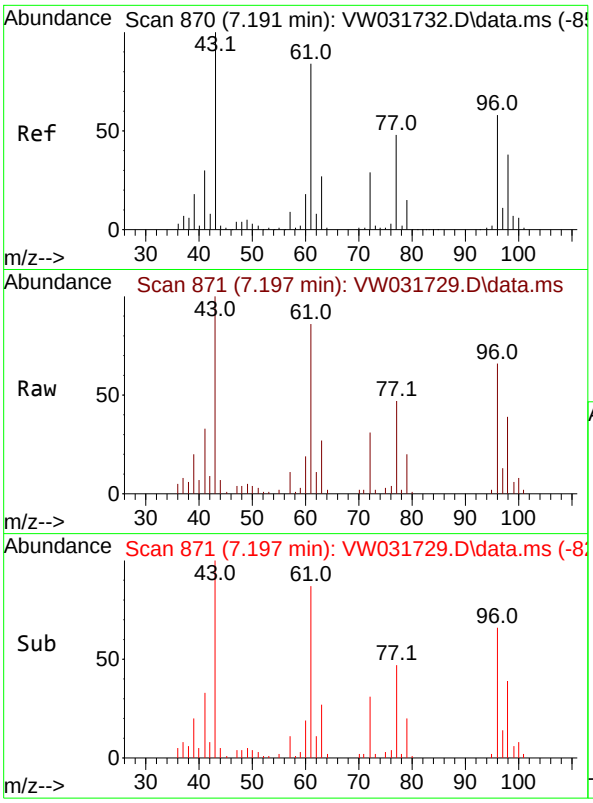


#24
1,1-Dichloroethane
Concen: 4.992 ug/l
RT: 6.252 min Scan# 716
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 26423

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.6
100	4.2	2.5	7.5



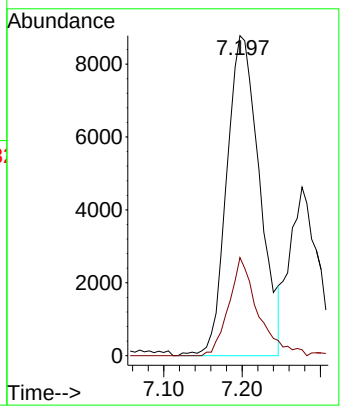


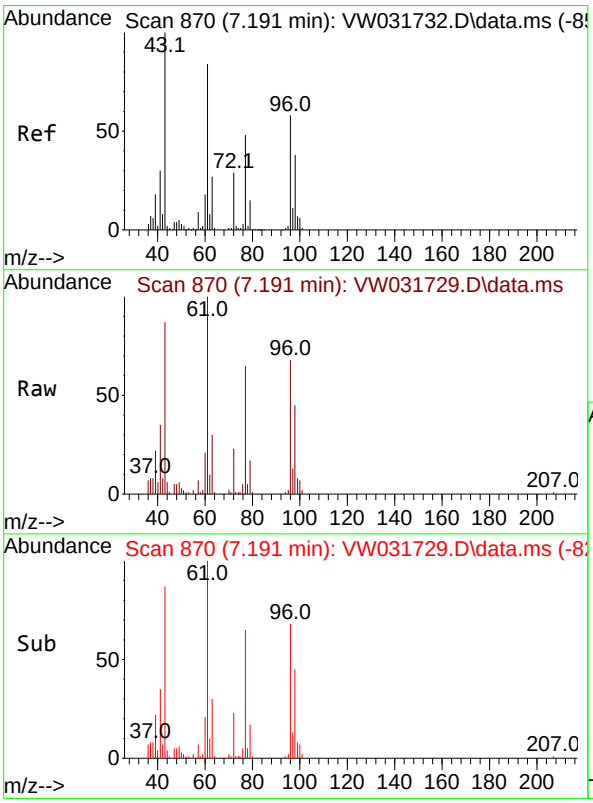
#25
2-Butanone
Concen: 24.268 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 25644

Ion	Ratio	Lower	Upper
43	100		
72	30.7	23.0	34.6

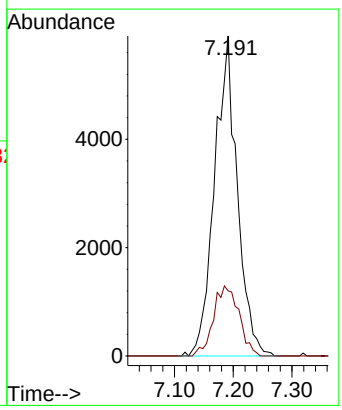


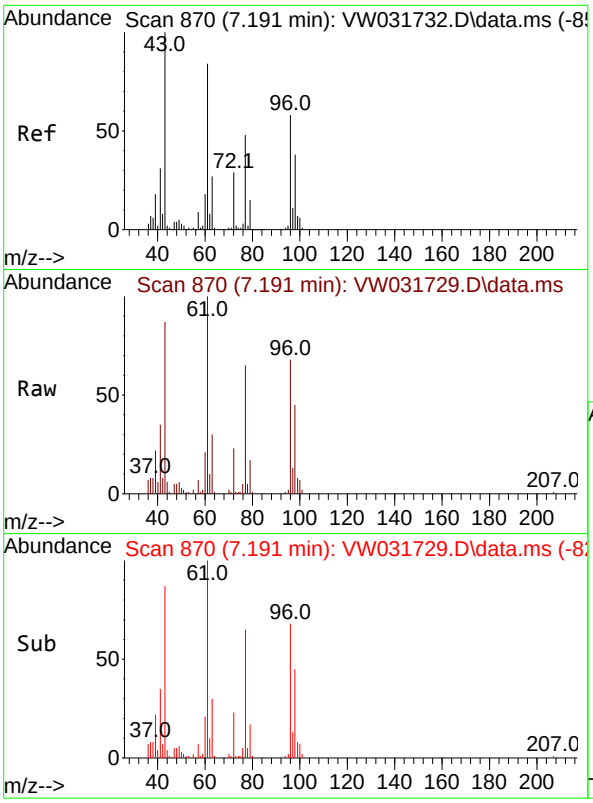


#26
2,2-Dichloropropane
Concen: 5.140 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 77 Resp: 15875

Ion	Ratio	Lower	Upper
77	100		
97	24.6	11.6	34.7



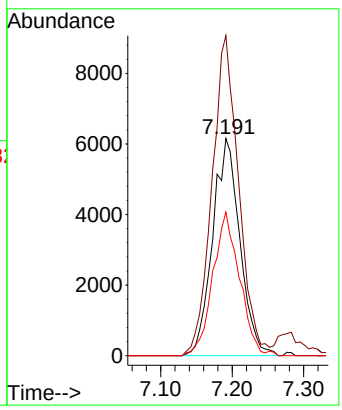


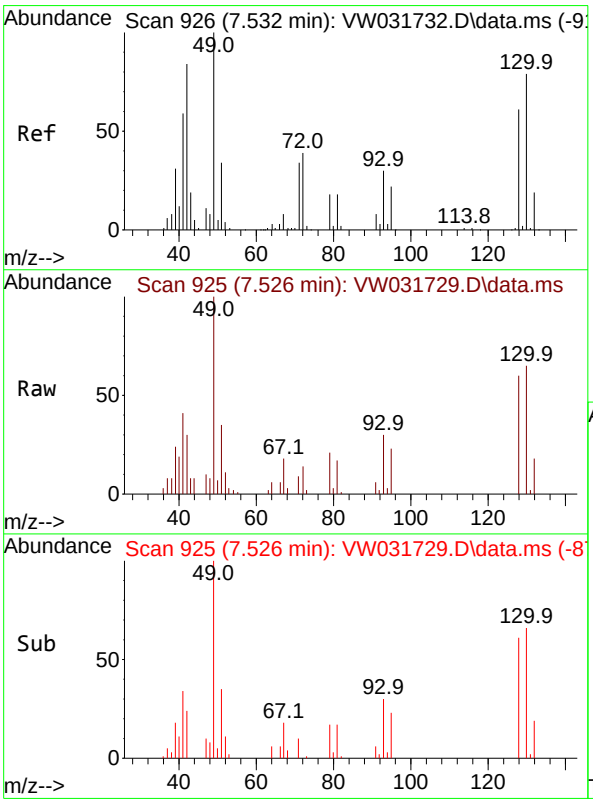
#27
cis-1,2-Dichloroethene
Concen: 4.883 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 16273

Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	286.8
98	65.1	0.0	130.4

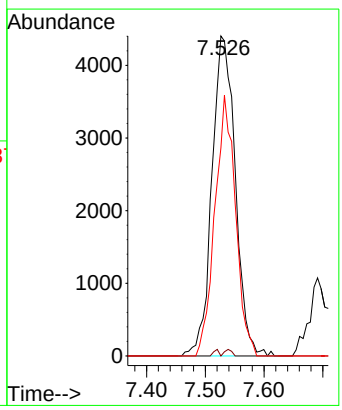


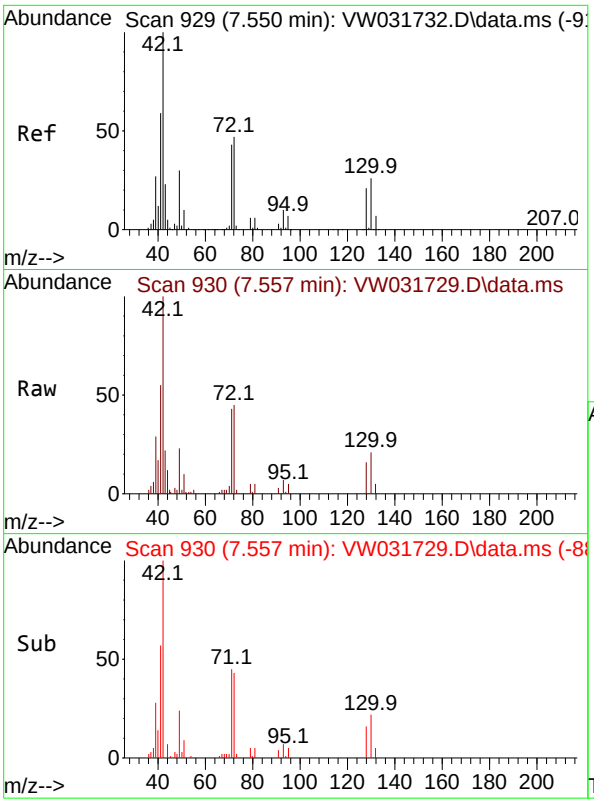


#28
Bromochloromethane
Concen: 5.210 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 49 Resp: 12169

Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	0.0	61.3	91.9#



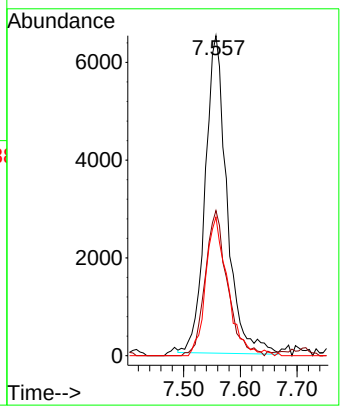


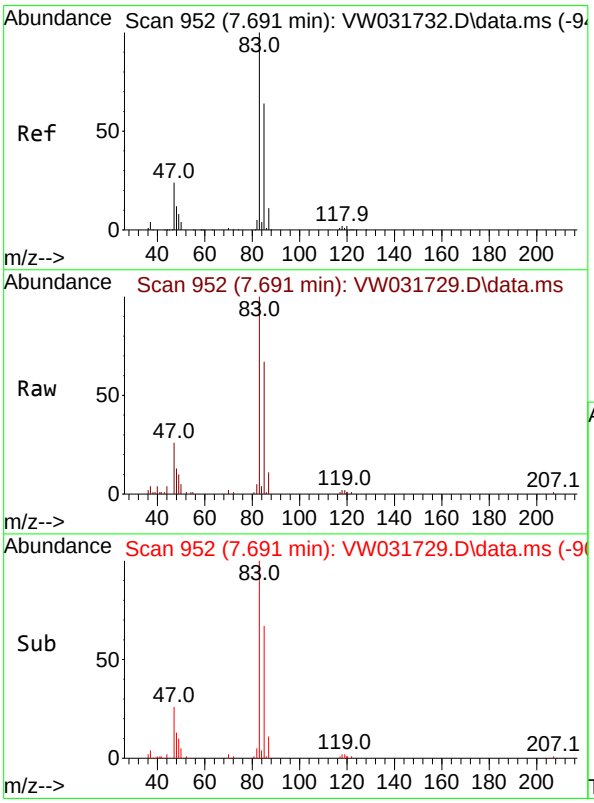
#29
Tetrahydrofuran
Concen: 23.866 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 17271

Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.8	55.2
71	43.7	34.6	52.0

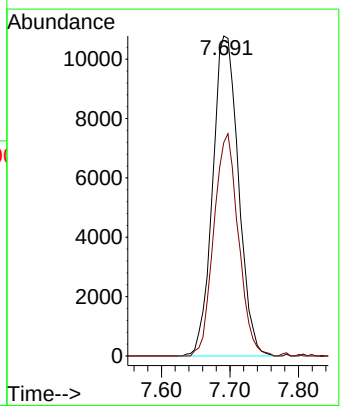


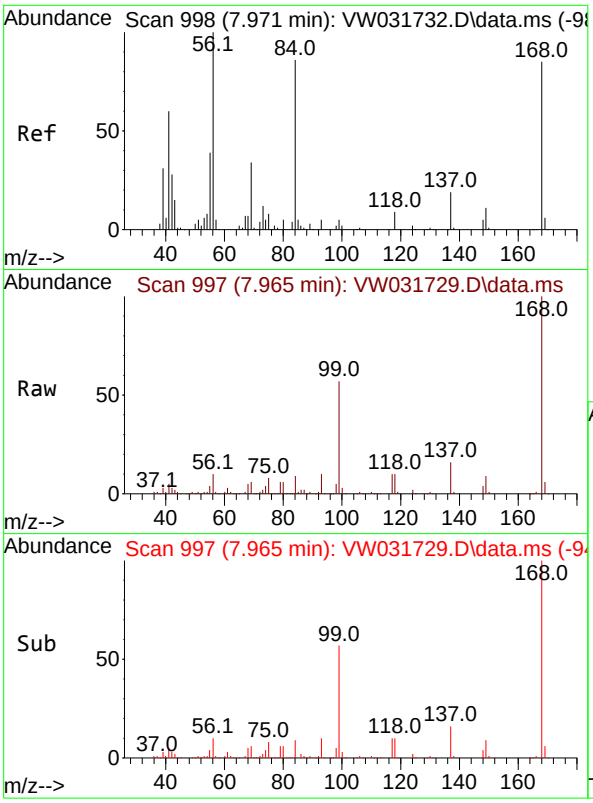


#30
Chloroform
Concen: 5.007 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 83 Resp: 28162

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.0



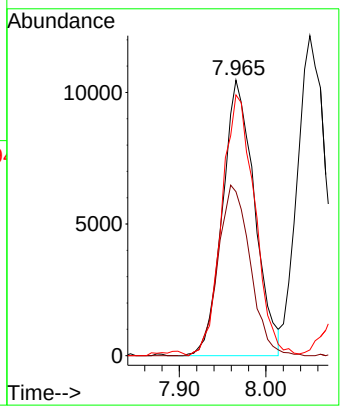


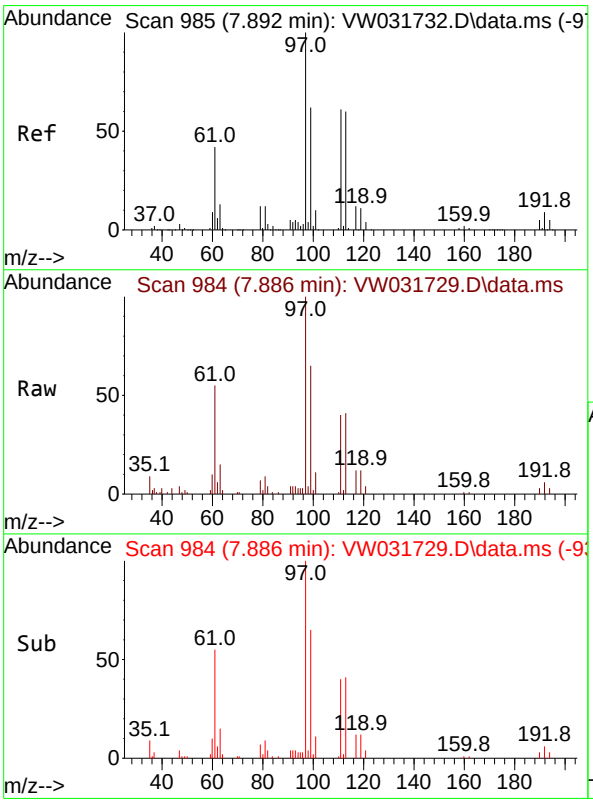
#31
Cyclohexane
Concen: 5.750 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 26905

Ion	Ratio	Lower	Upper
56	100		
69	59.5	27.2	40.8#
84	93.0	68.5	102.7

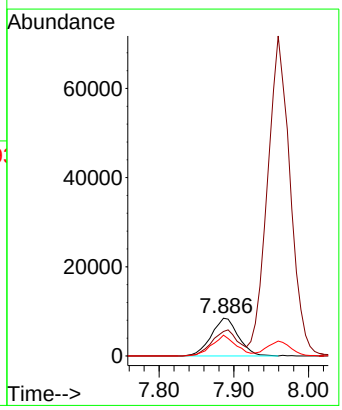


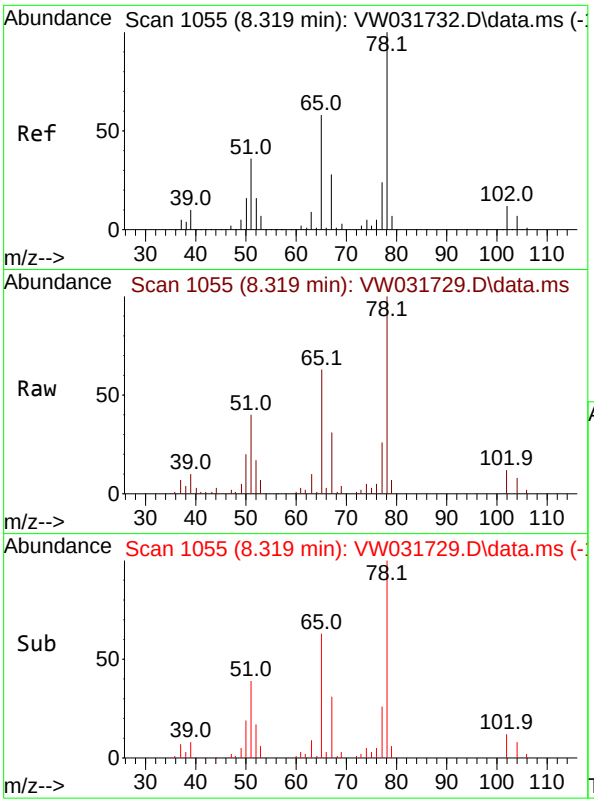


#32
1,1,1-Trichloroethane
Concen: 4.929 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 97 Resp: 21367

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.6
61	48.4	36.0	54.0



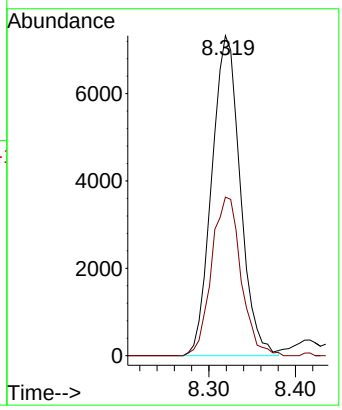


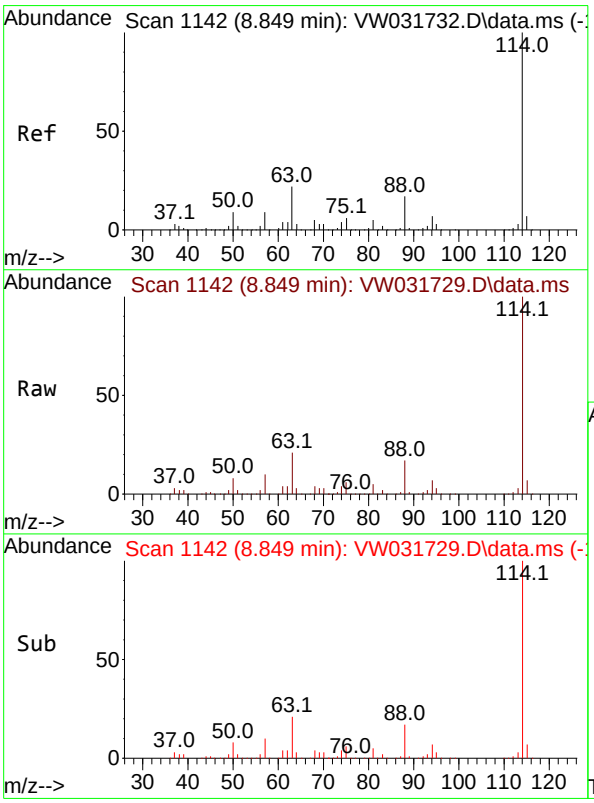
#33
1,2-Dichloroethane-d4
Concen: 5.090 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 16728

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	99.4

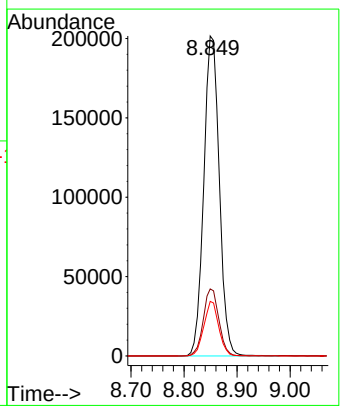


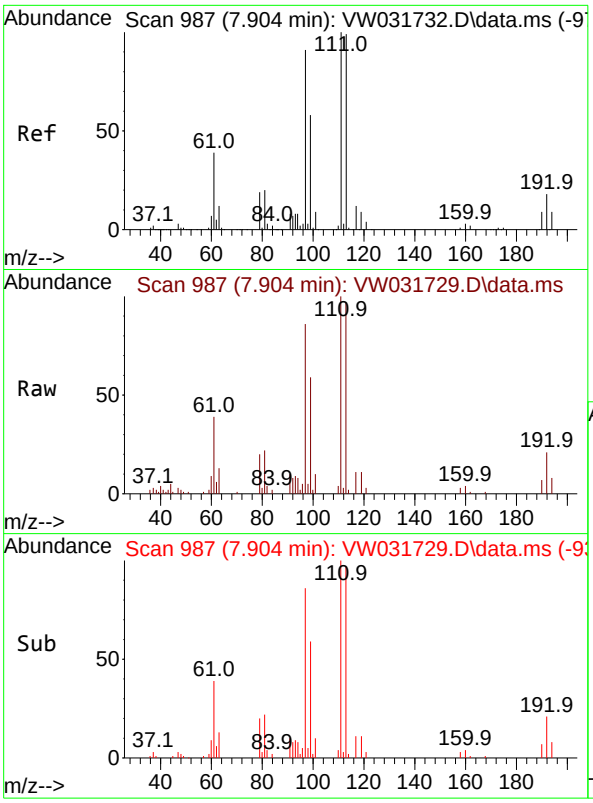


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:114 Resp: 410655

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.6
88	17.0	0.0	34.2



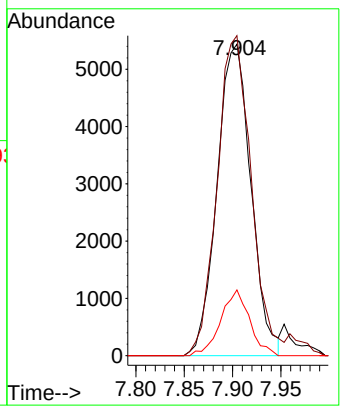


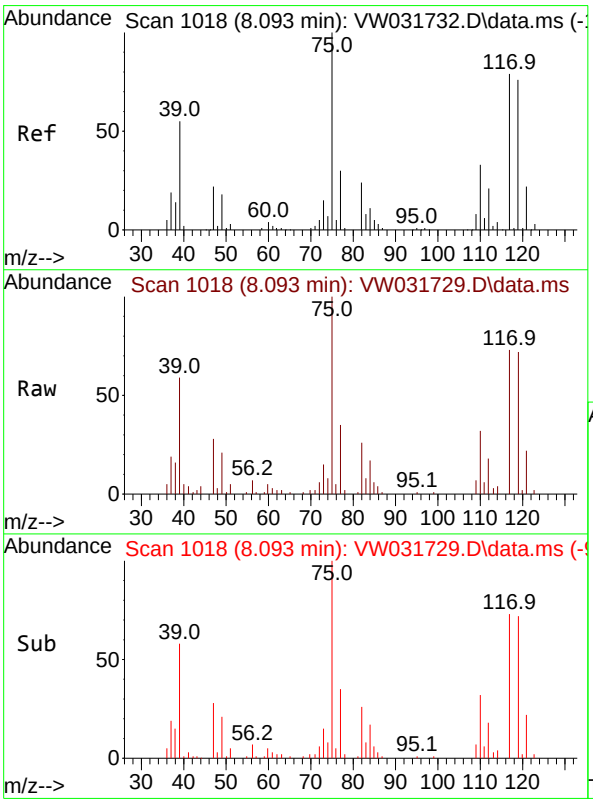
#35
Dibromofluoromethane
Concen: 4.936 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 13228

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	18.1	13.8	20.6

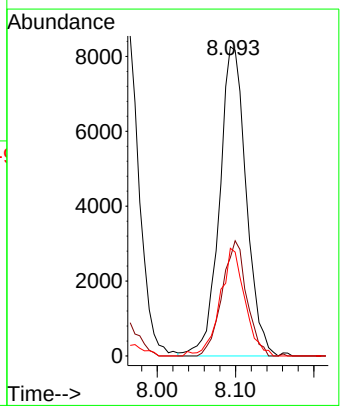


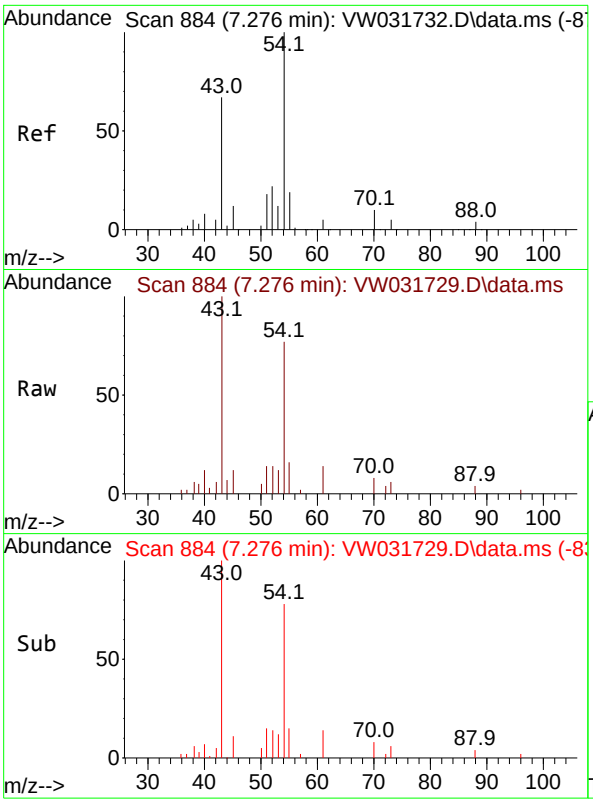


#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 19574

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.4
77	32.5	25.0	37.6



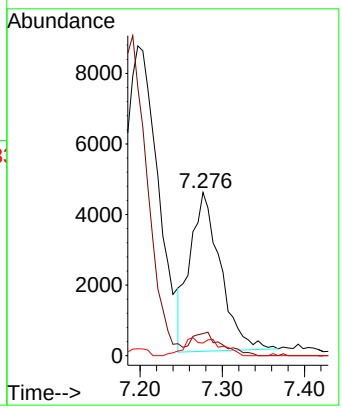


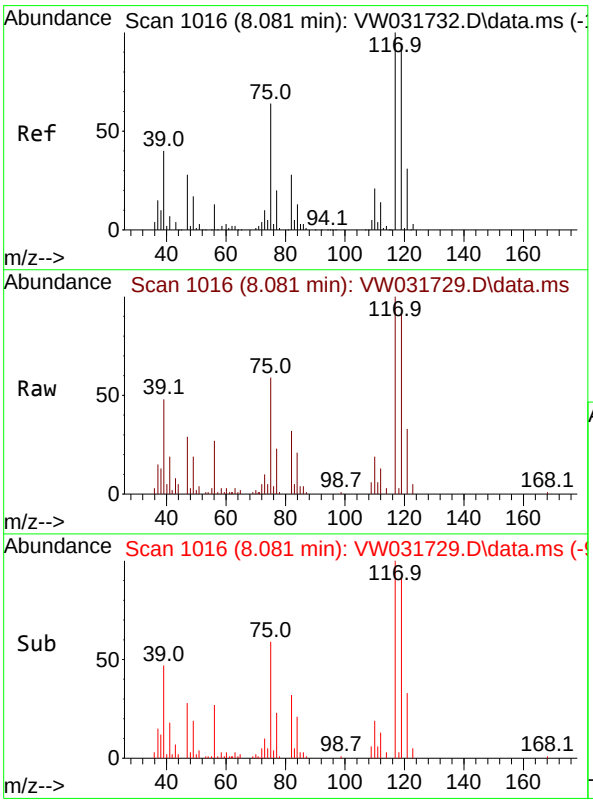
#37
Ethyl Acetate
Concen: 4.752 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11623

Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	6.7	9.2	13.8#

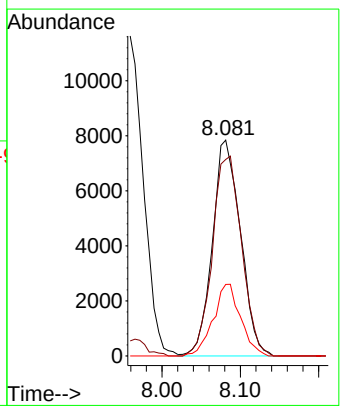


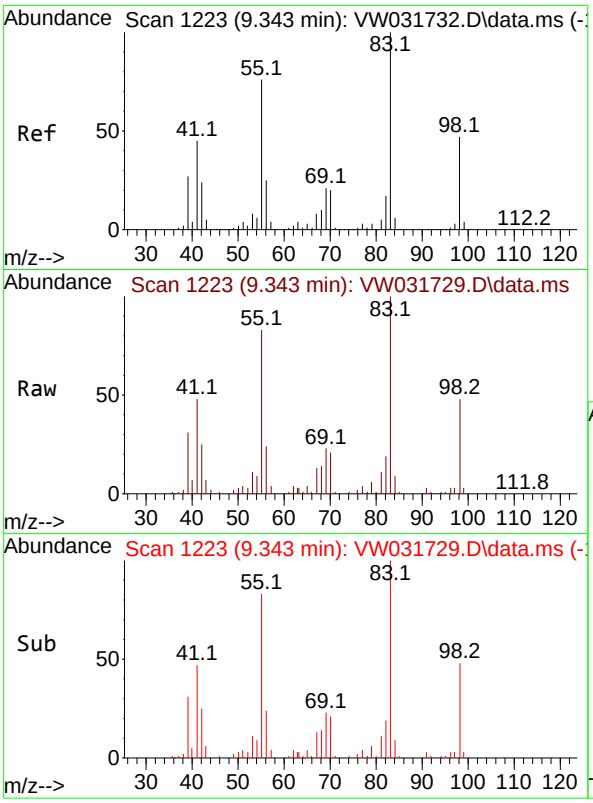


#38
Carbon Tetrachloride
Concen: 4.954 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:117 Resp: 19576

Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.0	112.6
121	33.1	24.6	37.0



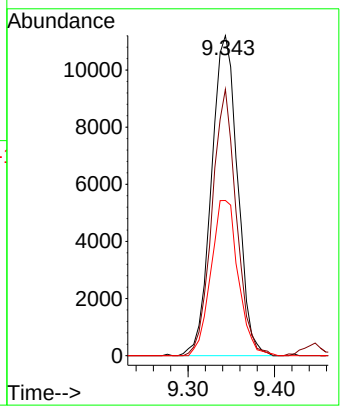


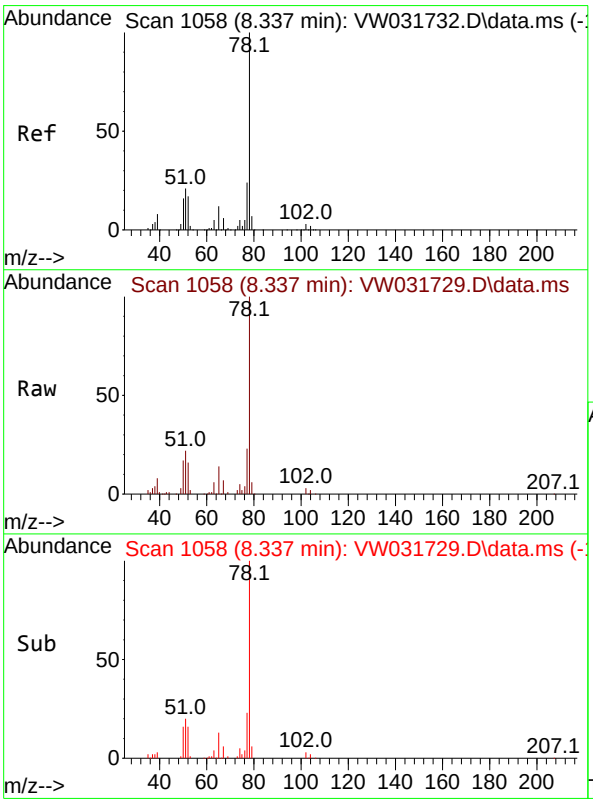
#39
Methylcyclohexane
Concen: 4.877 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 23529

Ion	Ratio	Lower	Upper
83	100		
55	83.2	61.0	91.4
98	48.5	37.9	56.9

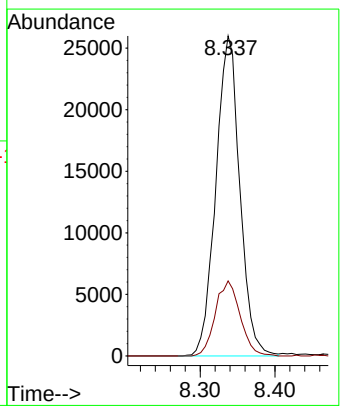


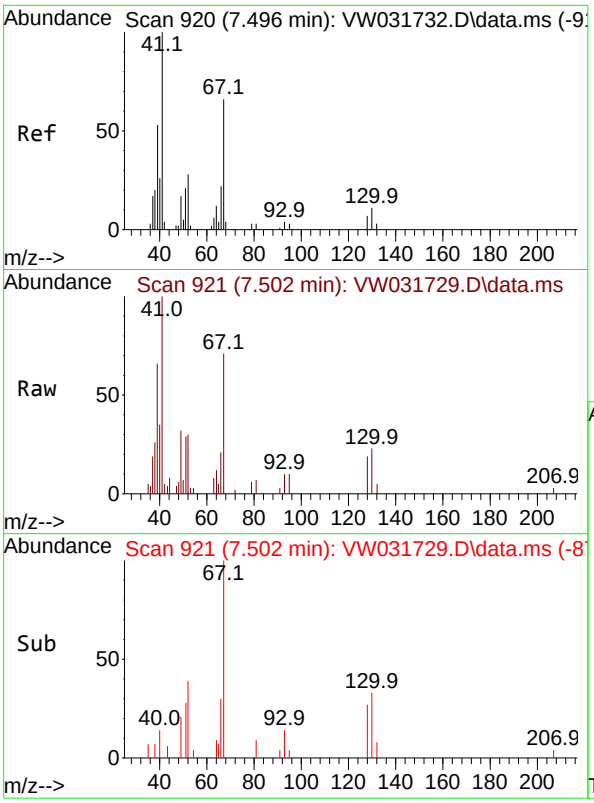


#40
Benzene
Concen: 5.046 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 78 Resp: 57889

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8



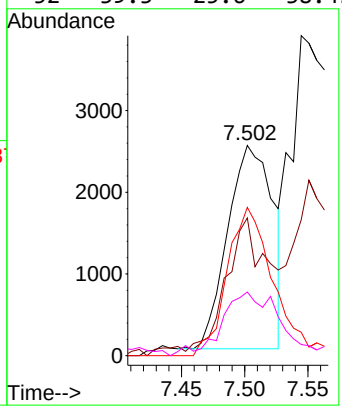


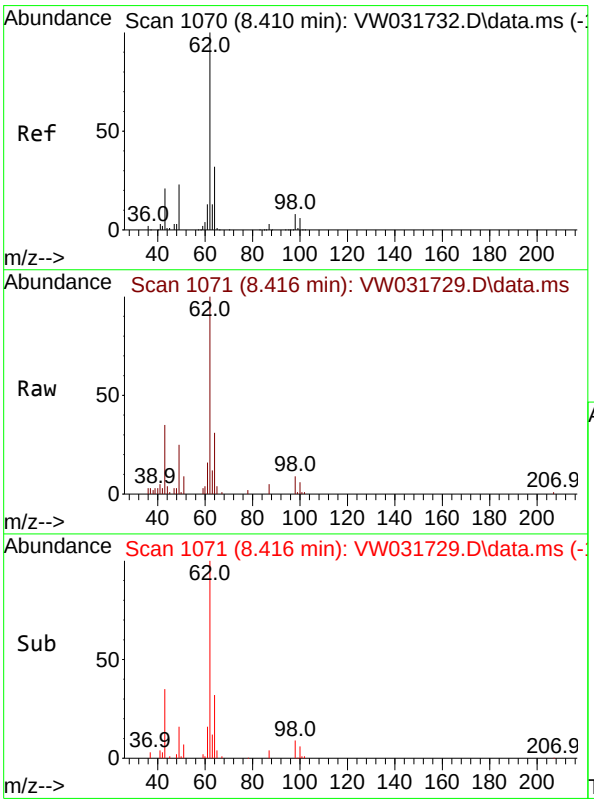
#41
Methacrylonitrile
Concen: 4.724 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6190

Ion	Ratio	Lower	Upper
41	100		
39	65.9	43.2	64.8#
67	75.5	58.1	87.1
52	39.3	25.6	38.4#

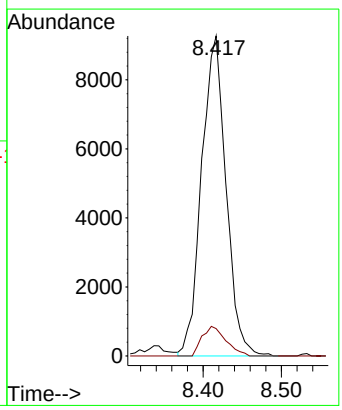


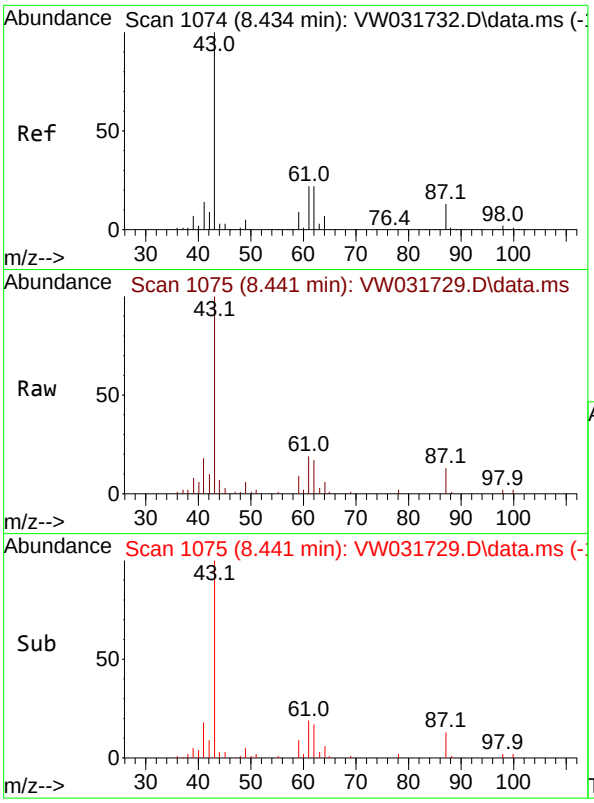


#42
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 62 Resp: 20133

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2



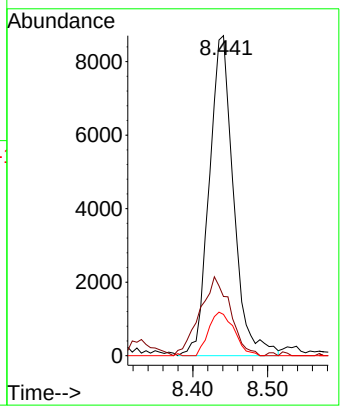


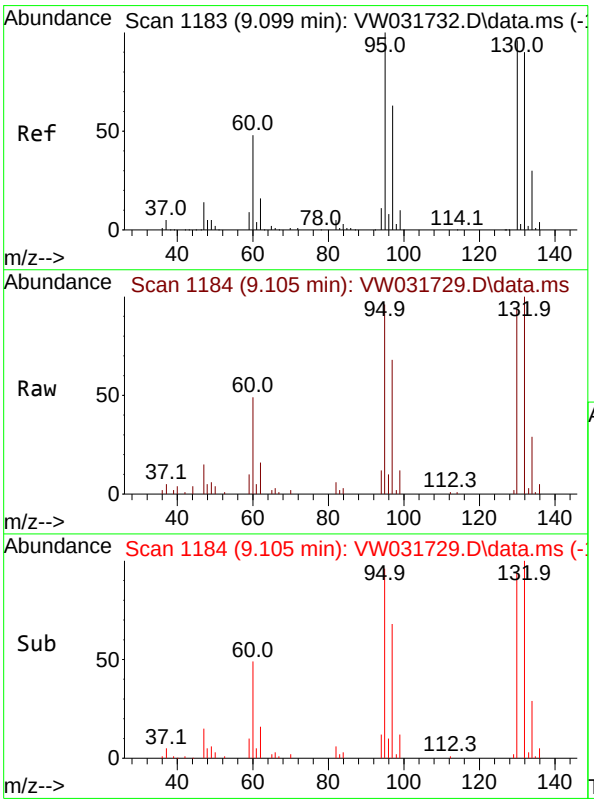
#43
Isopropyl Acetate
Concen: 4.673 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19704

Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.1	34.7
87	14.3	10.8	16.2

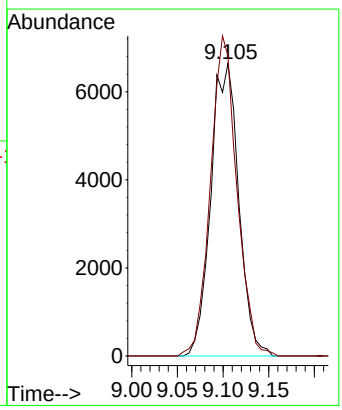


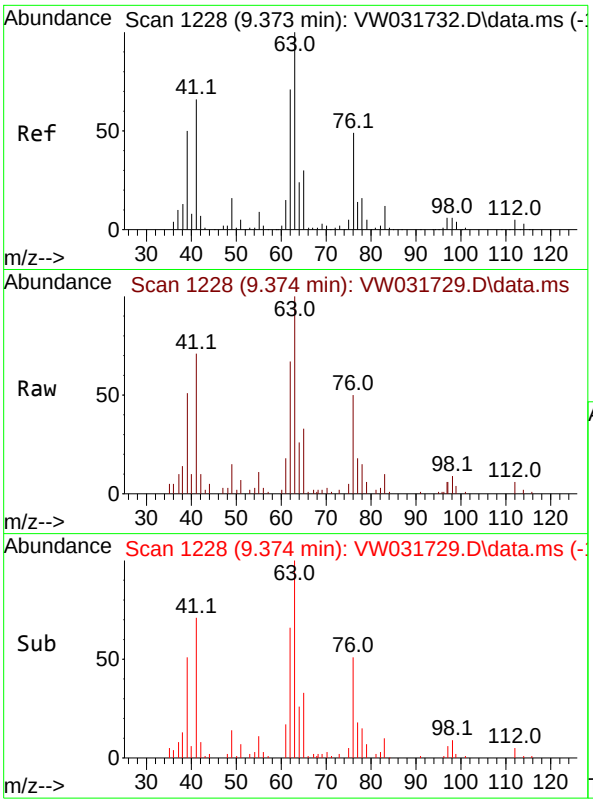


#44
Trichloroethene
Concen: 4.928 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:130 Resp: 14112

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	208.6



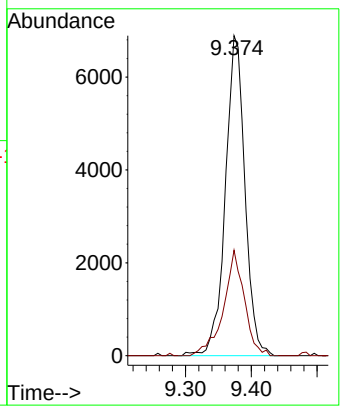


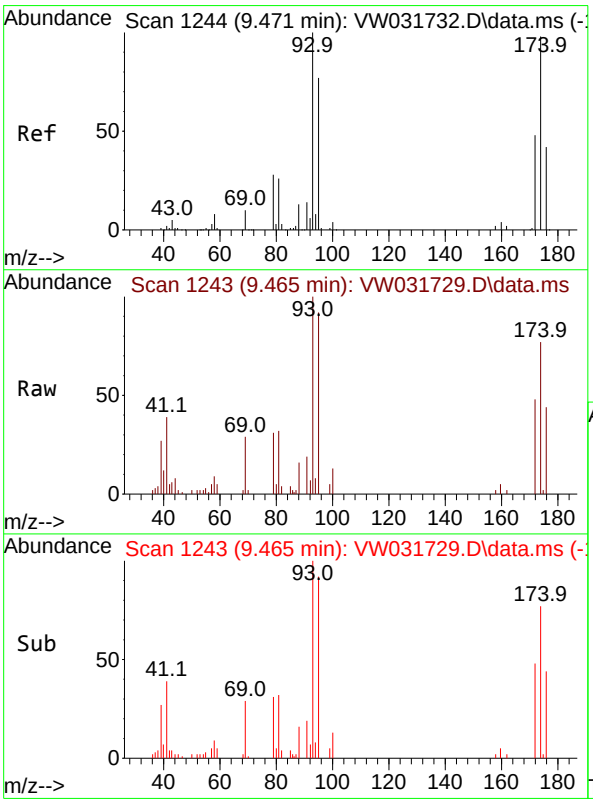
#45
1,2-Dichloropropane
Concen: 5.152 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14286

Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.2	36.4

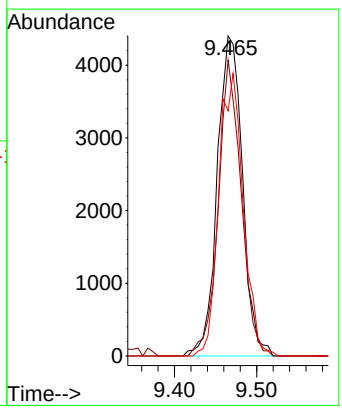


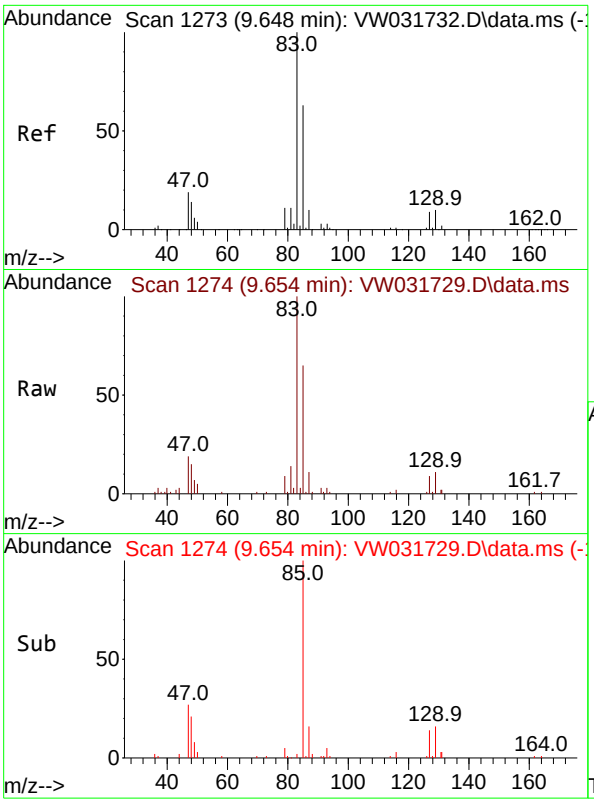


#46
Dibromomethane
Concen: 5.242 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 93 Resp: 9383

Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.0	100.4
174	85.7	71.7	107.5



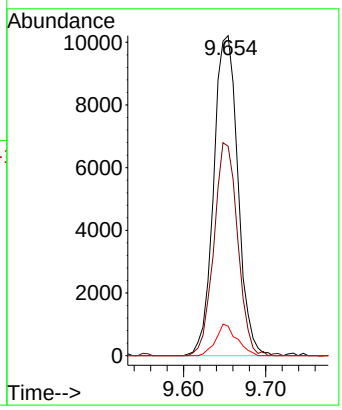


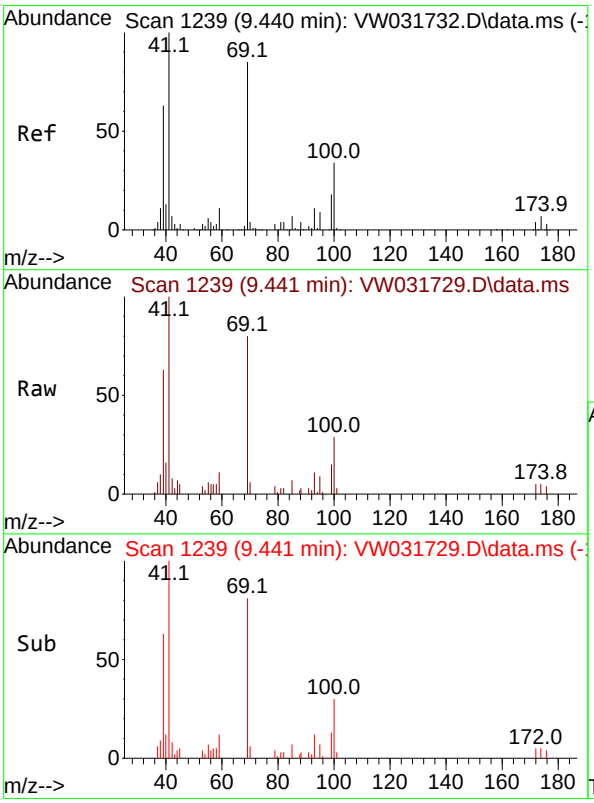
#47
Bromodichloromethane
Concen: 4.976 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20888

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	9.2	6.8	10.2

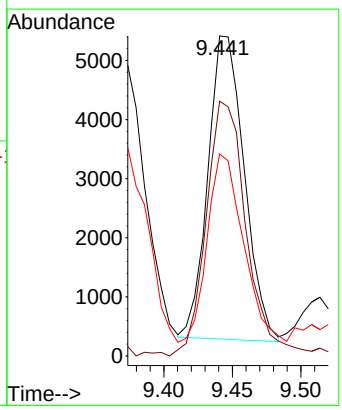


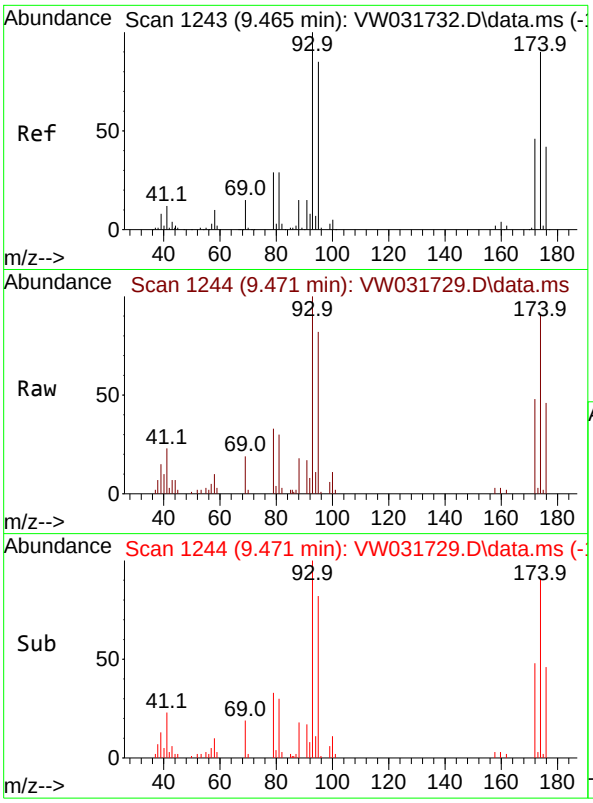


#48
Methyl methacrylate
Concen: 4.563 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 41 Resp: 9461

Ion	Ratio	Lower	Upper
41	100		
69	92.7	71.6	107.4
39	62.2	49.5	74.3



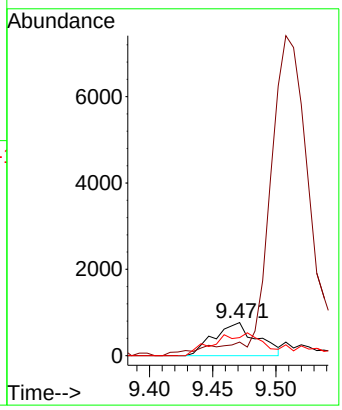


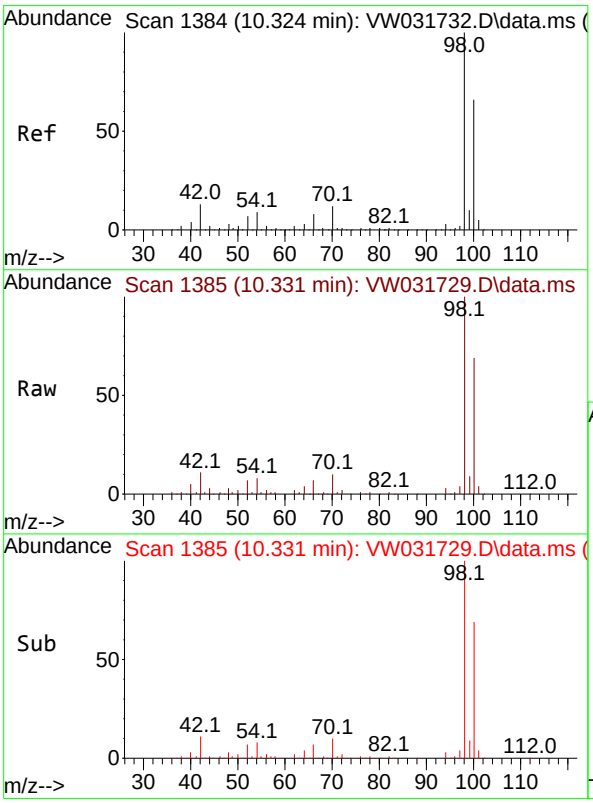
#49
1,4-Dioxane
Concen: 94.872 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1808

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.7	58.3	87.5

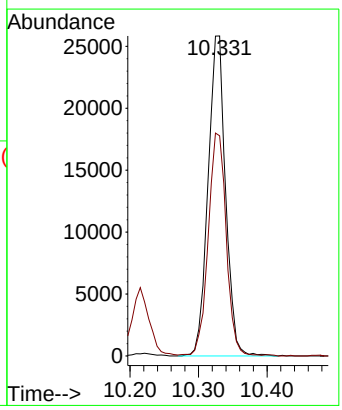


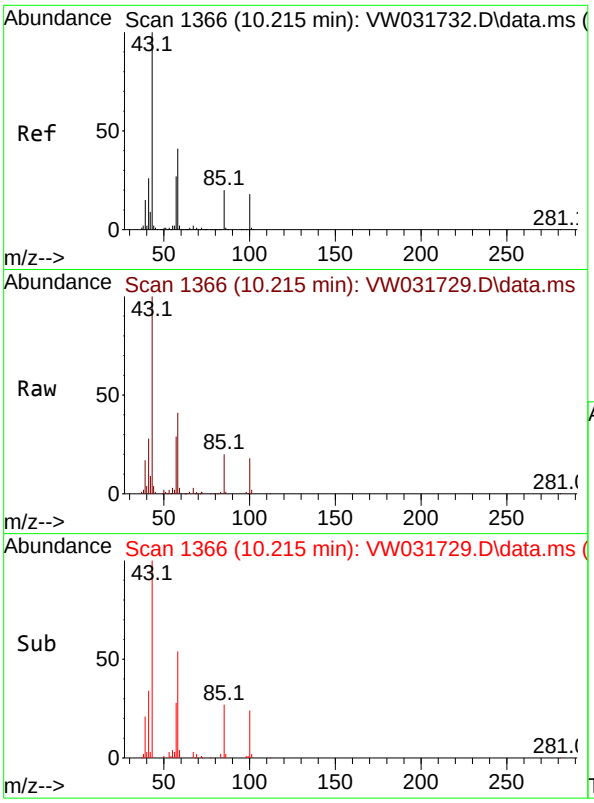


#50
Toluene-d8
Concen: 4.615 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 98 Resp: 46017

Ion	Ratio	Lower	Upper
98	100		
100	71.0	53.0	79.4



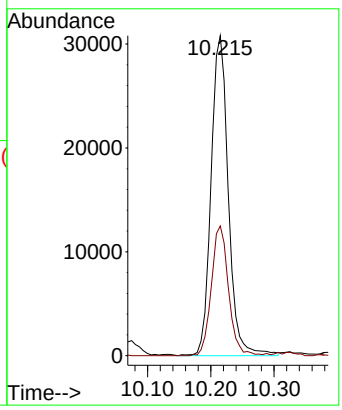


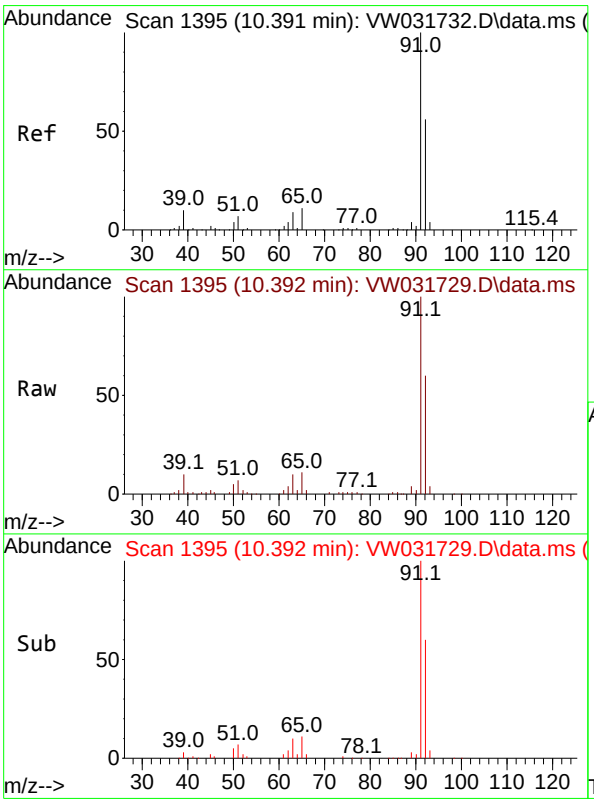
#51
4-Methyl-2-Pentanone
Concen: 24.143 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 58525

Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2

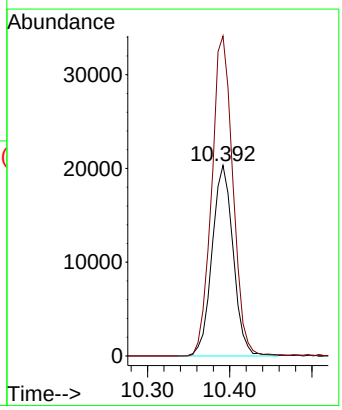


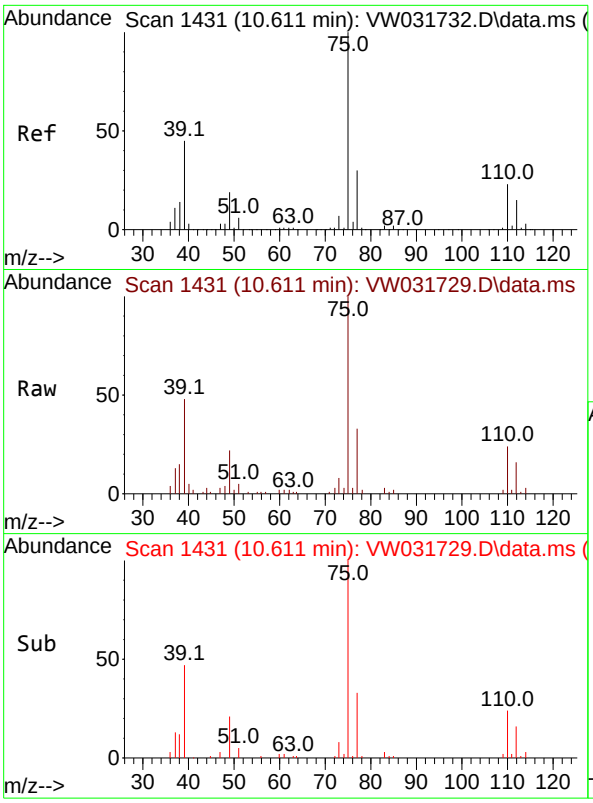


#52
Toluene
Concen: 4.928 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 92 Resp: 36200

Ion	Ratio	Lower	Upper
92	100		
91	169.1	139.5	209.3



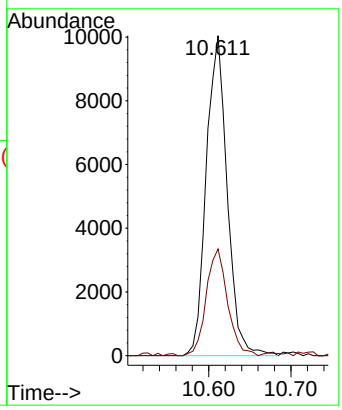


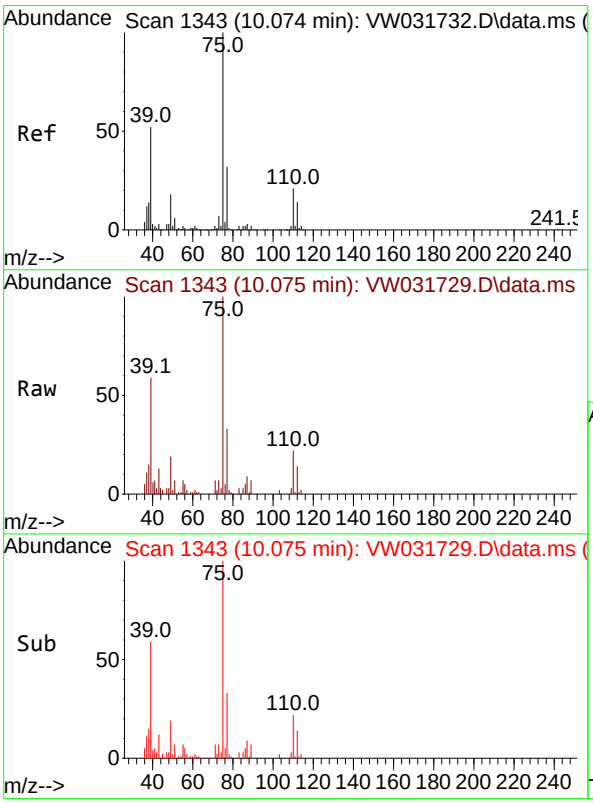
#53
t-1,3-Dichloropropene
Concen: 4.508 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 17756

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.3	36.5

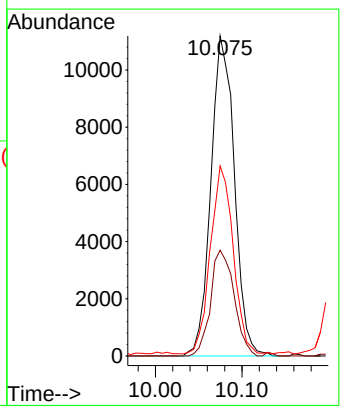


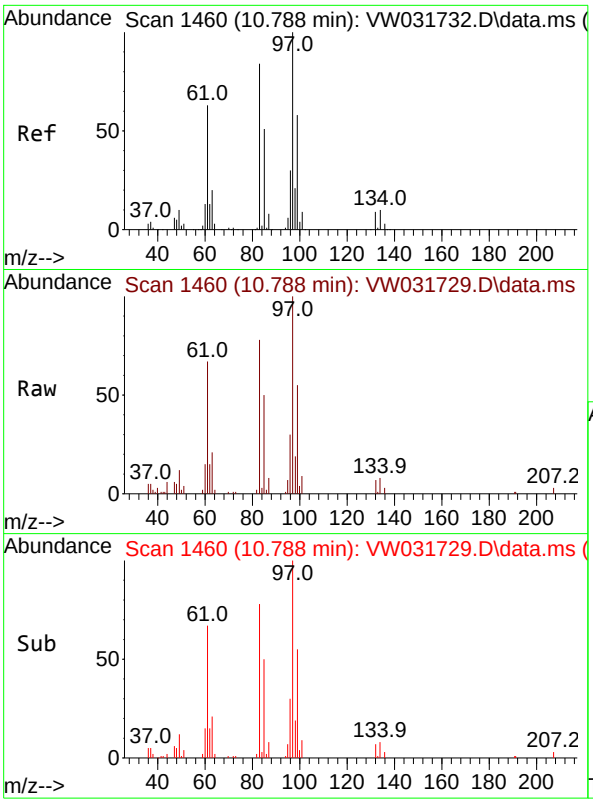


#54
cis-1,3-Dichloropropene
Concen: 4.724 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 21091

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2
39	58.7	41.8	62.6



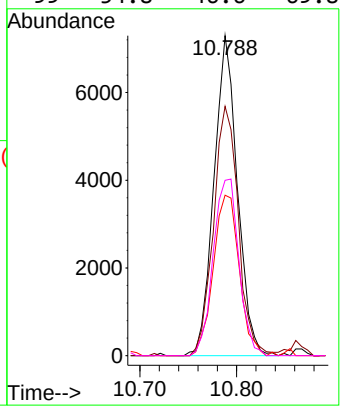


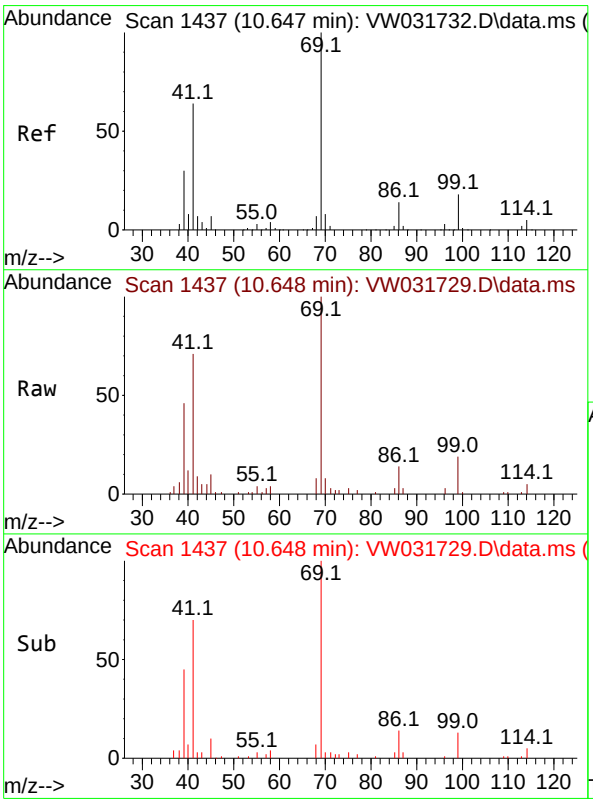
#55
1,1,2-Trichloroethane
Concen: 5.239 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12285

Ion	Ratio	Lower	Upper
97	100		
83	77.9	66.9	100.3
85	50.2	41.1	61.7
99	54.8	46.6	69.8

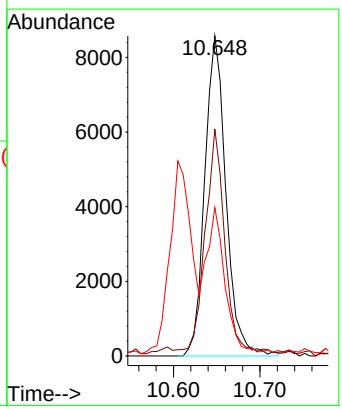


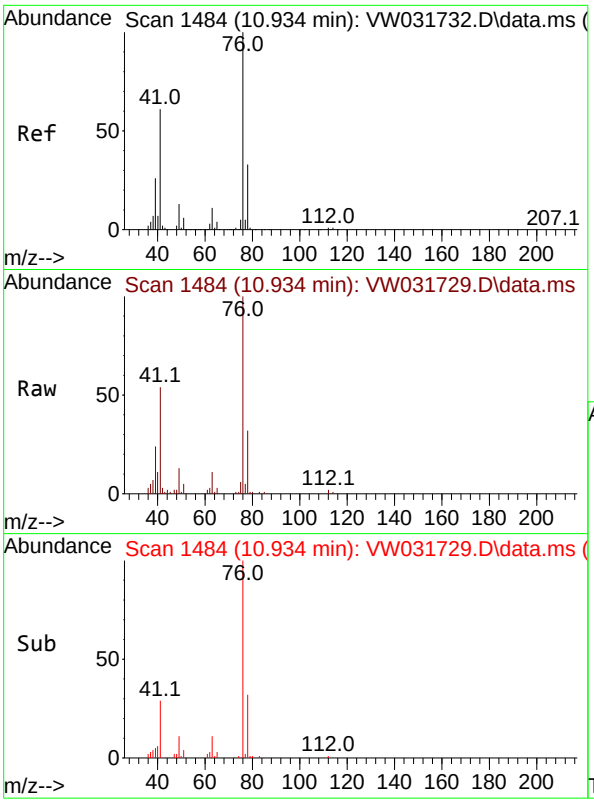


#56
Ethyl methacrylate
Concen: 4.584 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 69 Resp: 14584

Ion	Ratio	Lower	Upper
69	100		
41	63.9	53.3	79.9
39	39.3	30.2	45.2



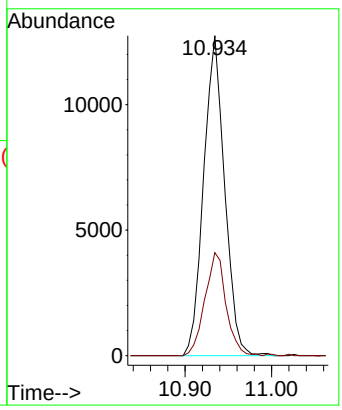


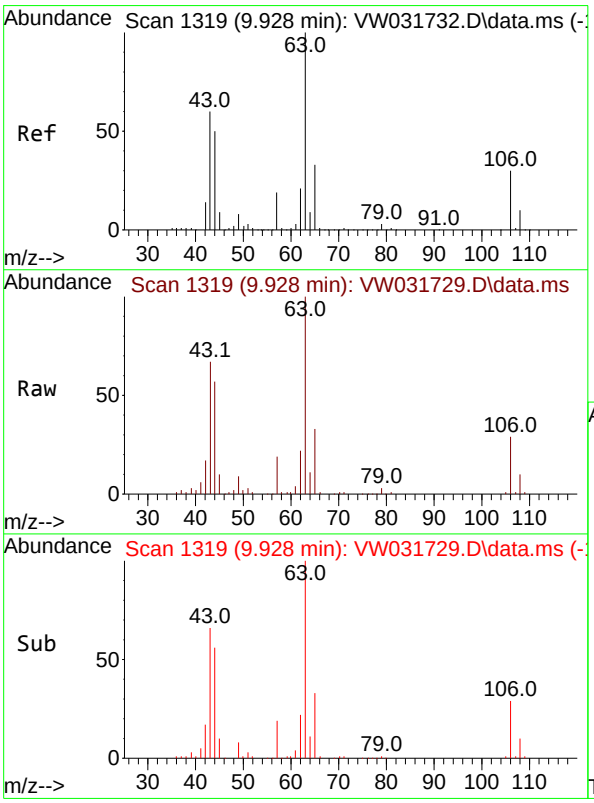
#57
1,3-Dichloropropane
Concen: 5.206 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 21432

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

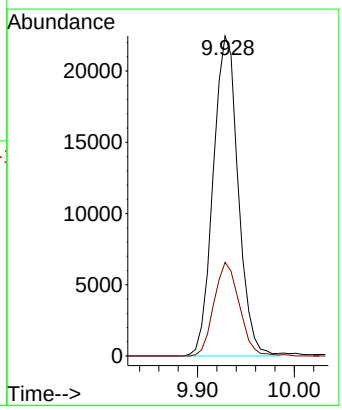


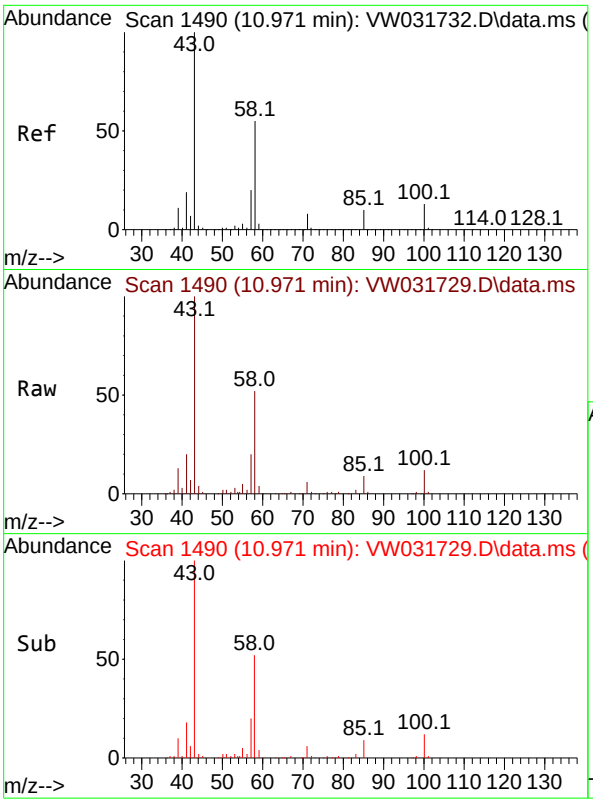


#58
2-Chloroethyl Vinyl ether
Concen: 22.989 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 63 Resp: 40271

Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.1	36.1



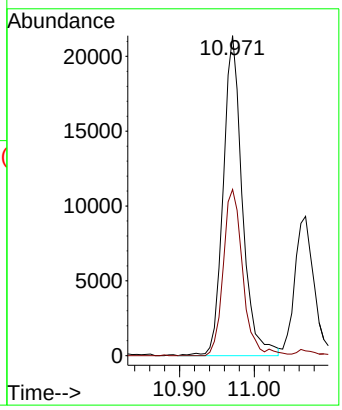


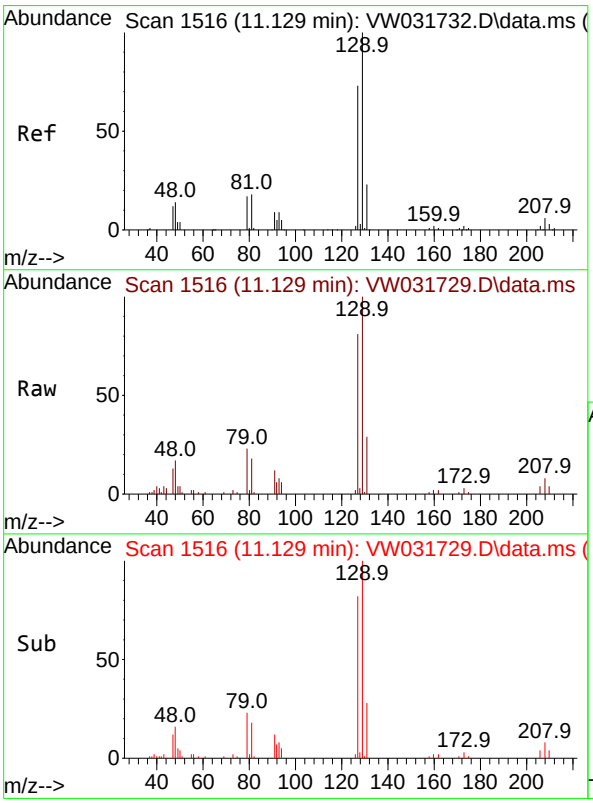
#59
2-Hexanone
Concen: 23.125 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 37987

Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.9	83.6

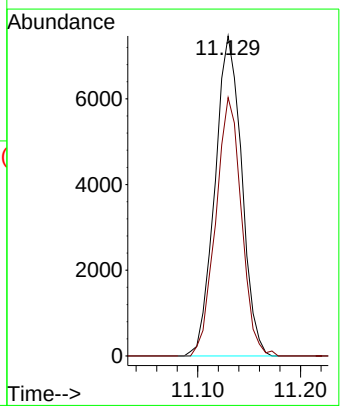


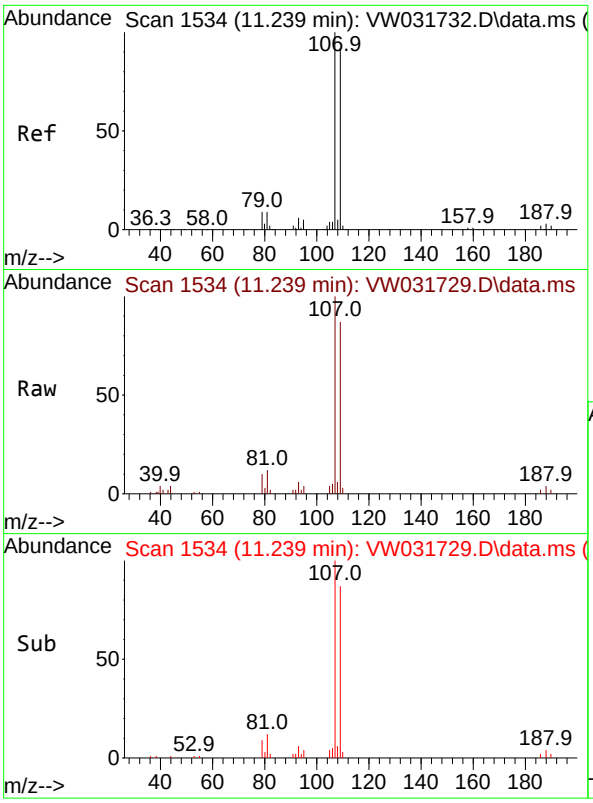


#60
Dibromochloromethane
Concen: 4.817 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:129 Resp: 13506

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	114.1



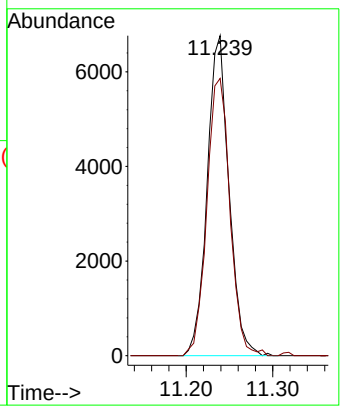


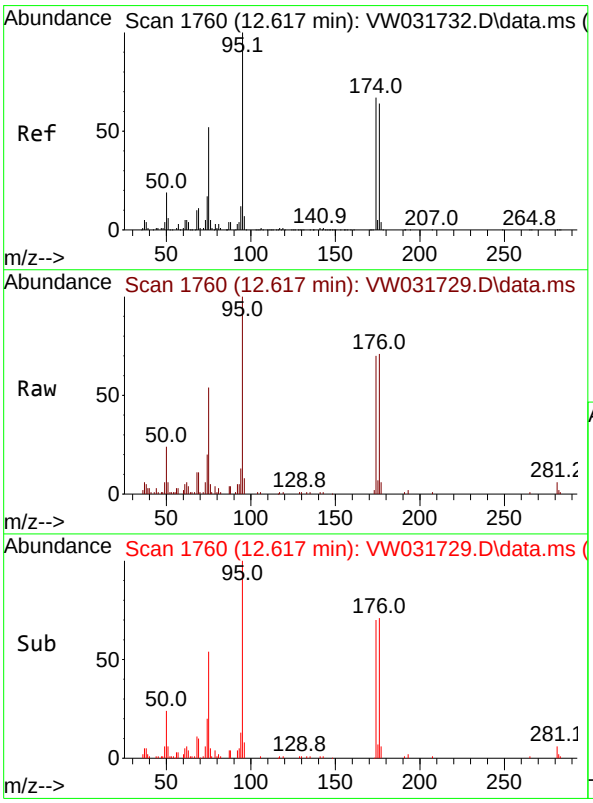
#61
1,2-Dibromoethane
Concen: 5.046 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 11844

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.9	110.9

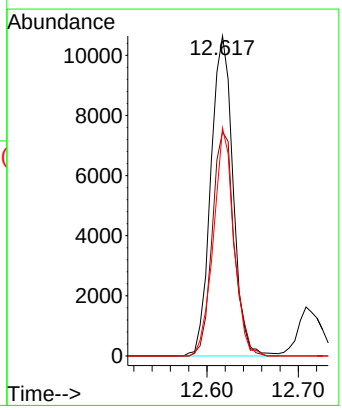


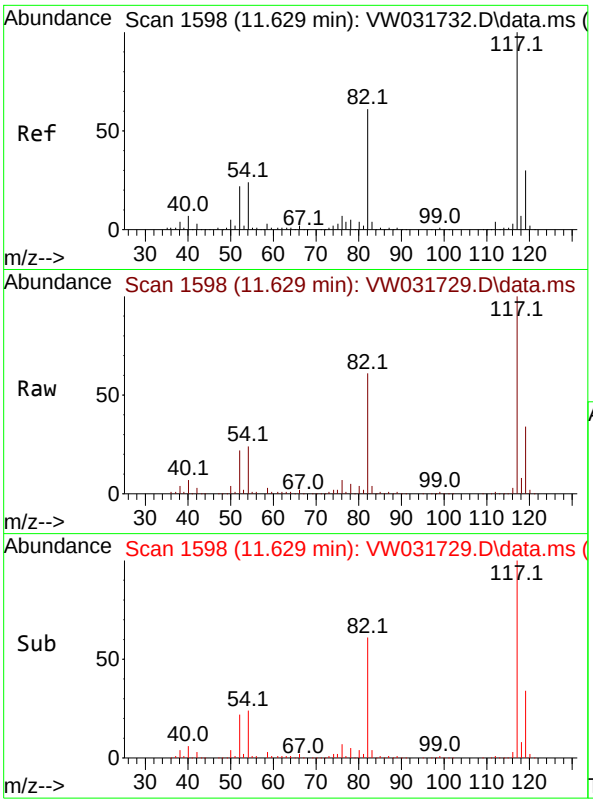


#62
4-Bromofluorobenzene
Concen: 4.884 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 95 Resp: 17925

Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	133.8
176	65.4	0.0	126.0



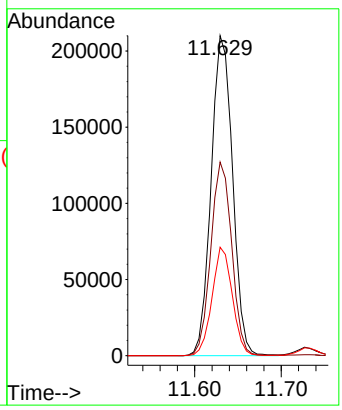


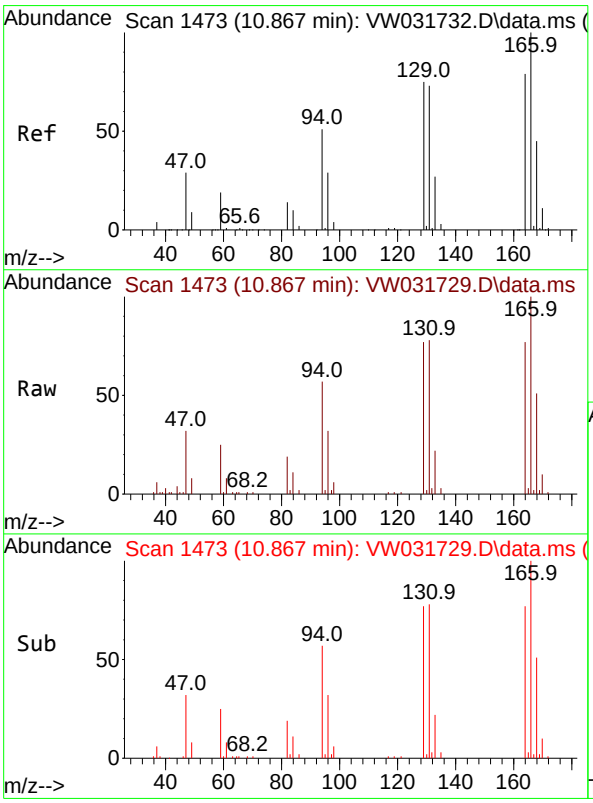
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 361730

Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	72.8
119	33.9	23.9	35.9

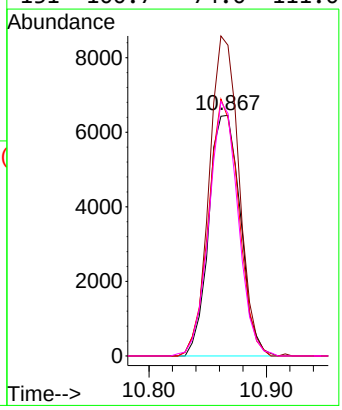


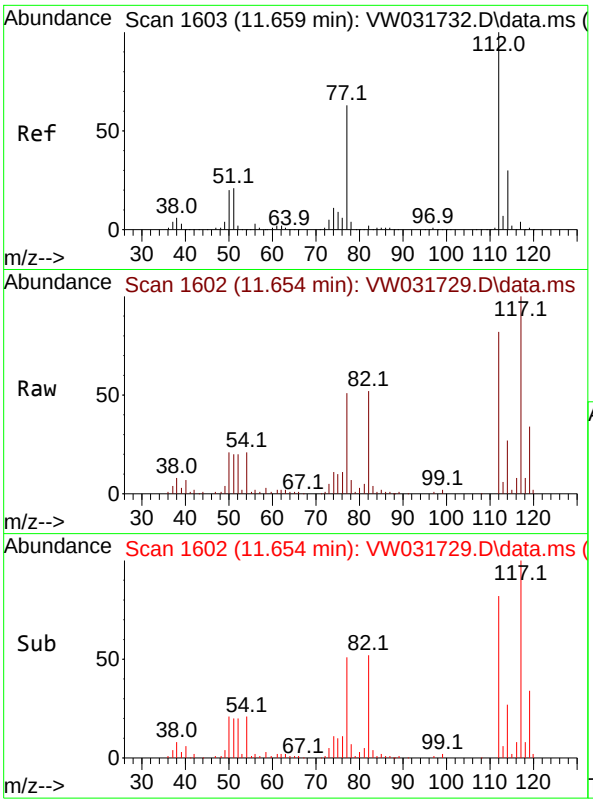


#64
Tetrachloroethene
Concen: 5.068 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:164 Resp: 11991

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.7	151.1
129	98.9	75.4	113.0
131	100.7	74.0	111.0



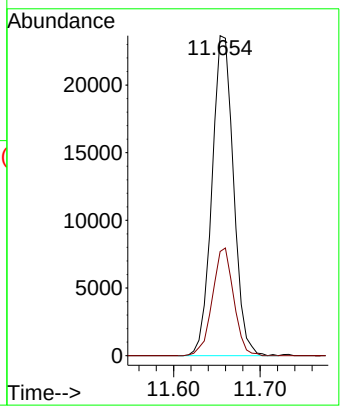


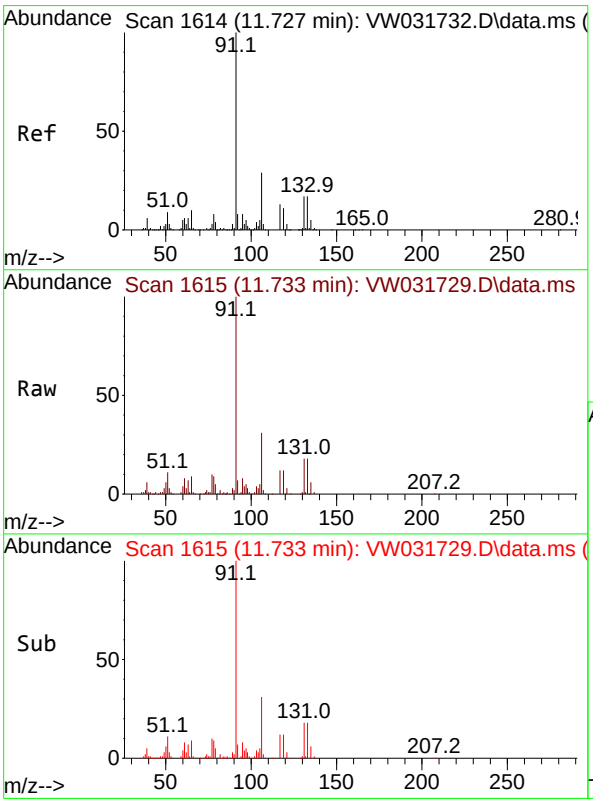
#65
Chlorobenzene
Concen: 5.114 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 40816

Ion	Ratio	Lower	Upper
112	100		
114	32.5	23.8	35.8

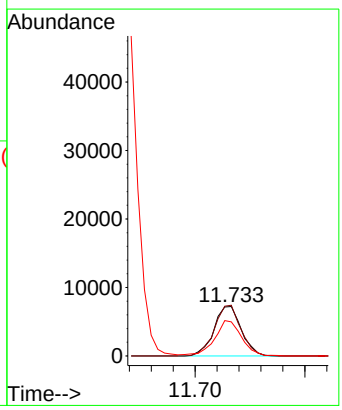


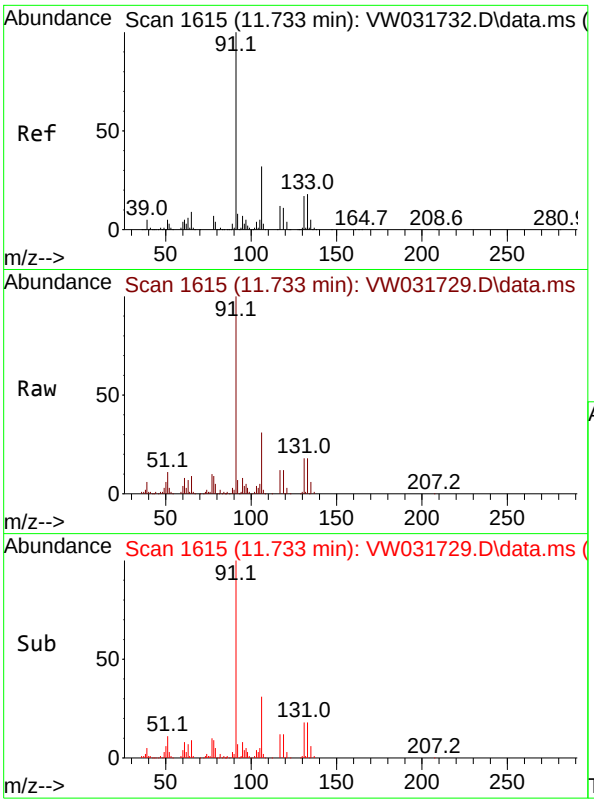


#66
1,1,1,2-Tetrachloroethane
Concen: 4.935 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:131 Resp: 12551

Ion	Ratio	Lower	Upper
131	100		
133	99.1	48.5	145.6
119	70.6	32.5	97.5



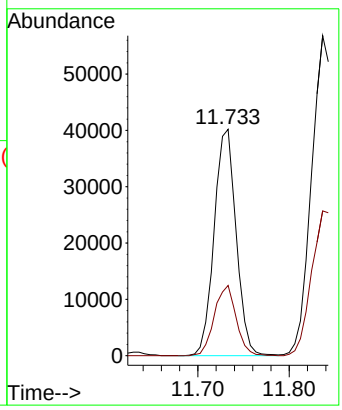


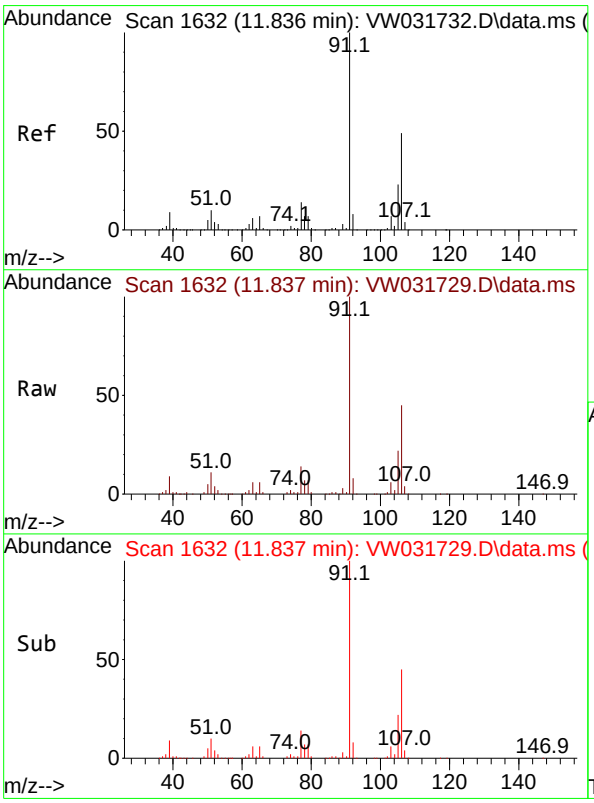
#67
Ethyl Benzene
Concen: 4.862 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 67293

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2

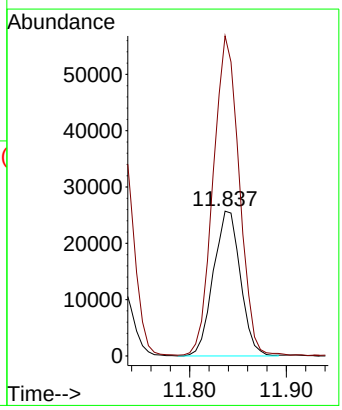


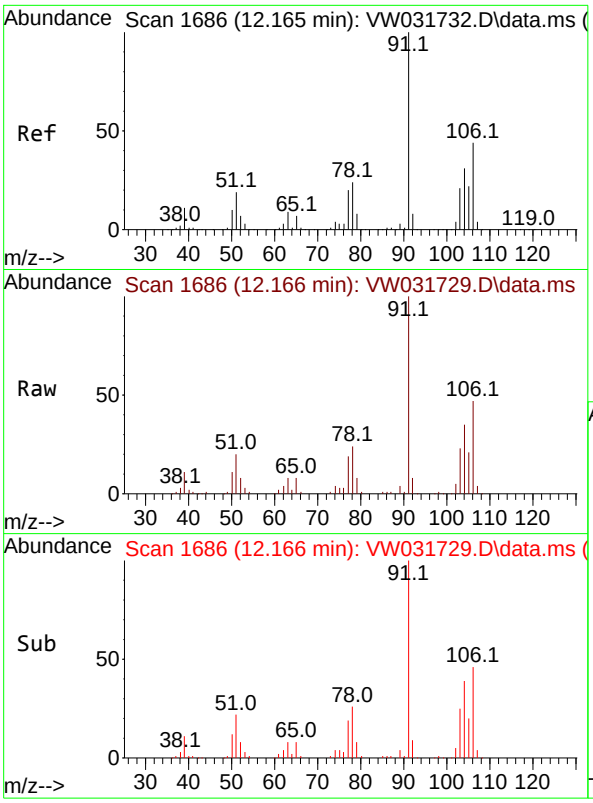


#68
m/p-Xylenes
Concen: 9.378 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:106 Resp: 49892

Ion	Ratio	Lower	Upper
106	100		
91	212.8	166.4	249.6



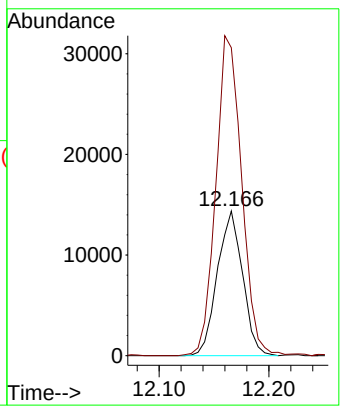


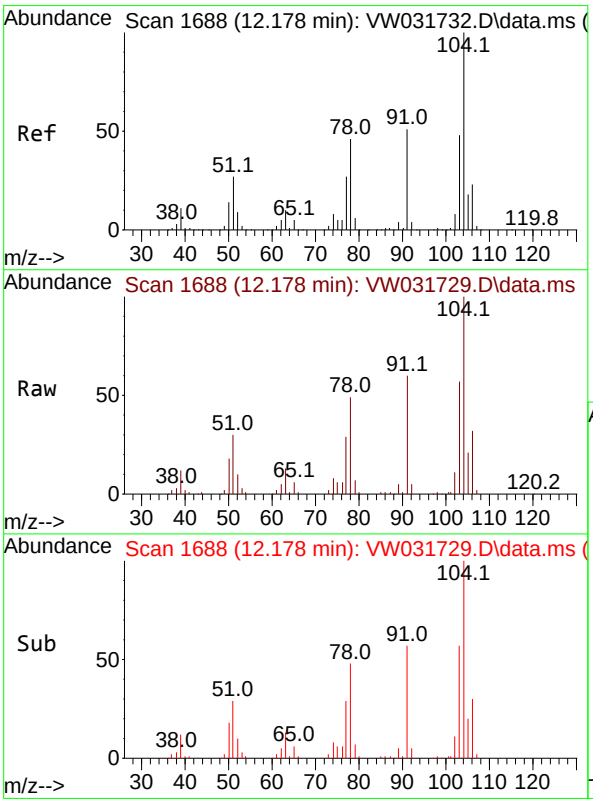
#69
o-Xylene
Concen: 4.668 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 22994

Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.5	334.4

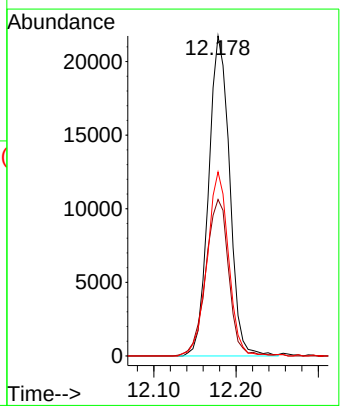


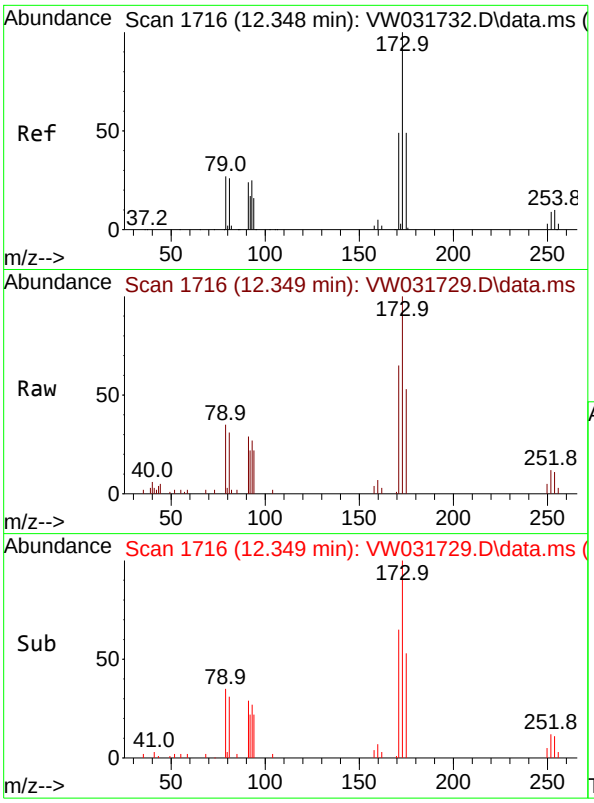


#70
Styrene
Concen: 4.530 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:104 Resp: 38573

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.1	63.1
103	58.7	43.0	64.6



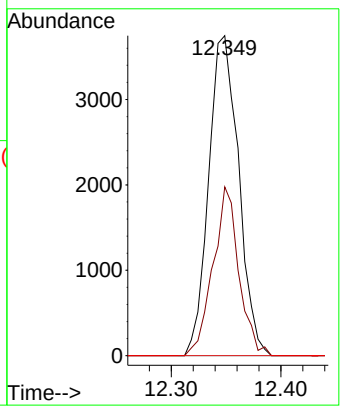


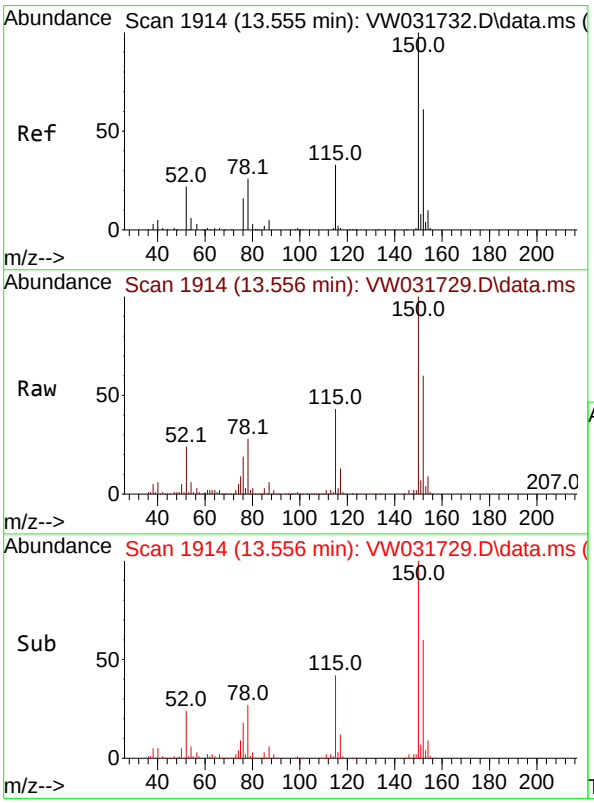
#71
Bromoform
Concen: 4.688 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 7112

Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.0	72.0
254	0.0	0.1	0.1#

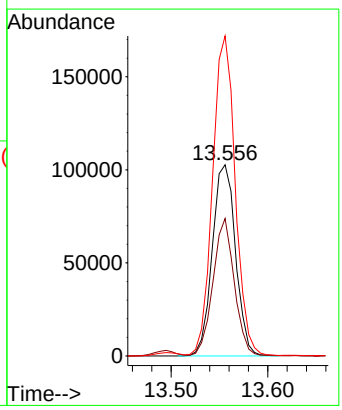


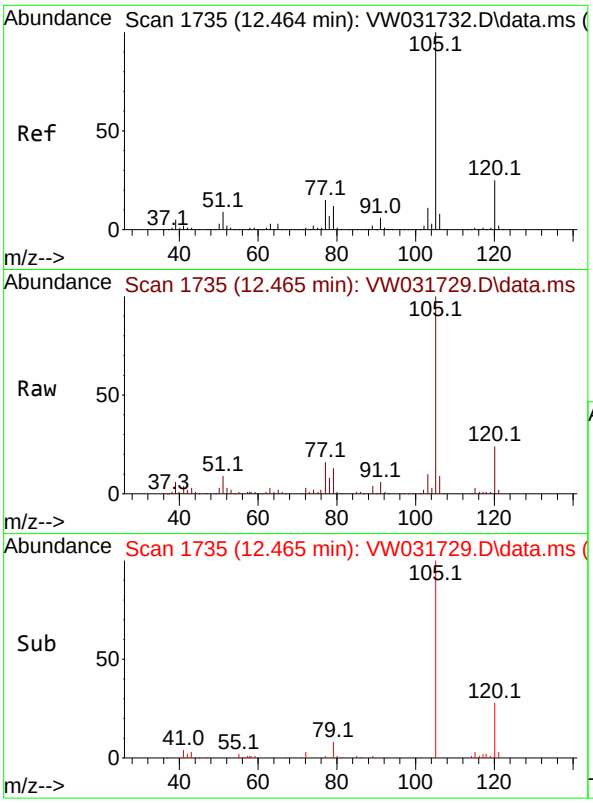


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:152 Resp: 171294

Ion	Ratio	Lower	Upper
152	100		
115	65.7	31.9	95.7
150	162.4	0.0	356.4



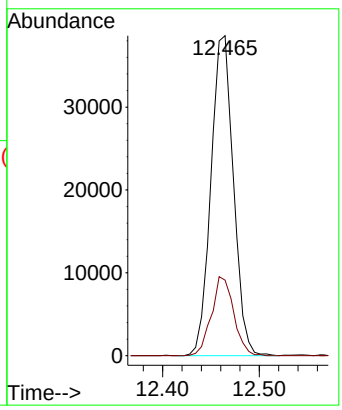


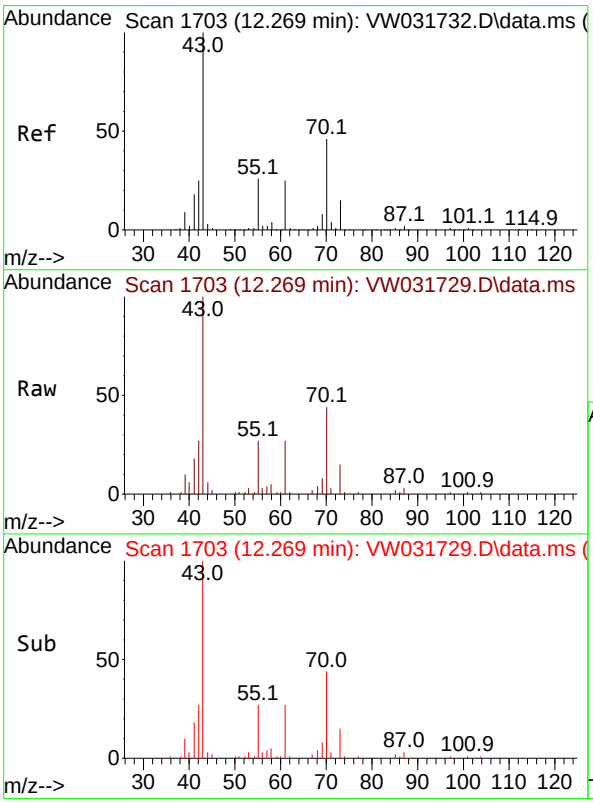
#73
Isopropylbenzene
Concen: 4.790 ug/l
RT: 12.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62409

Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.8	38.4

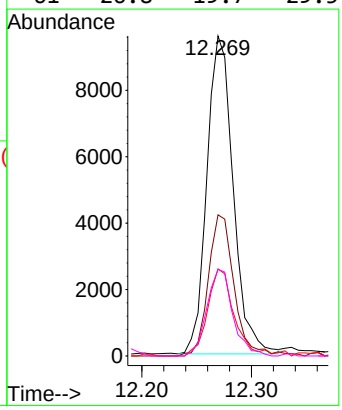


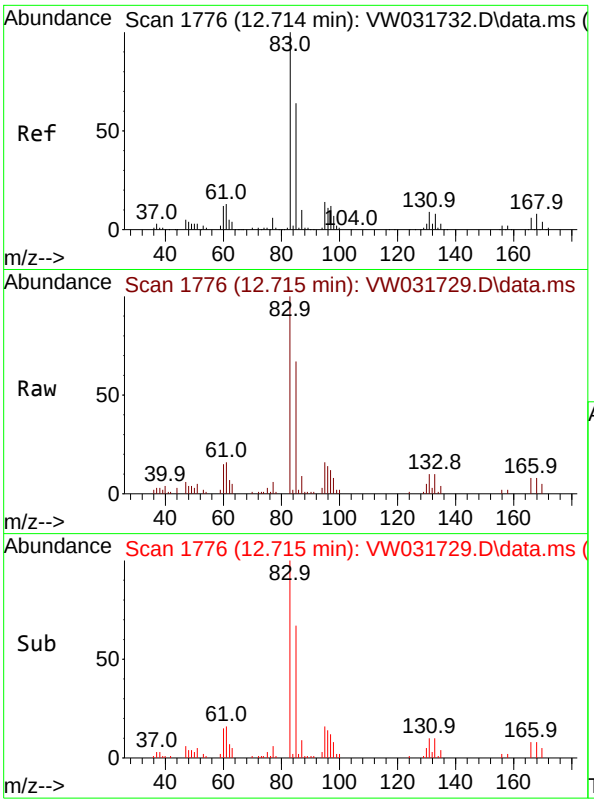


#74
N-amyl acetate
Concen: 4.555 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 43 Resp: 15998

Ion	Ratio	Lower	Upper
43	100		
70	43.7	36.0	54.0
55	27.9	20.8	31.2
61	26.8	19.7	29.5



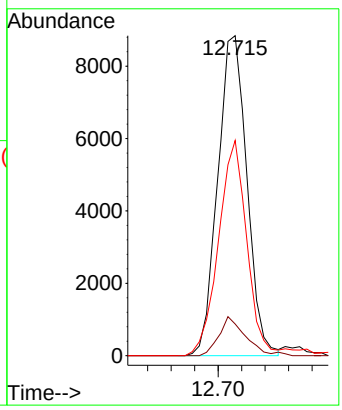


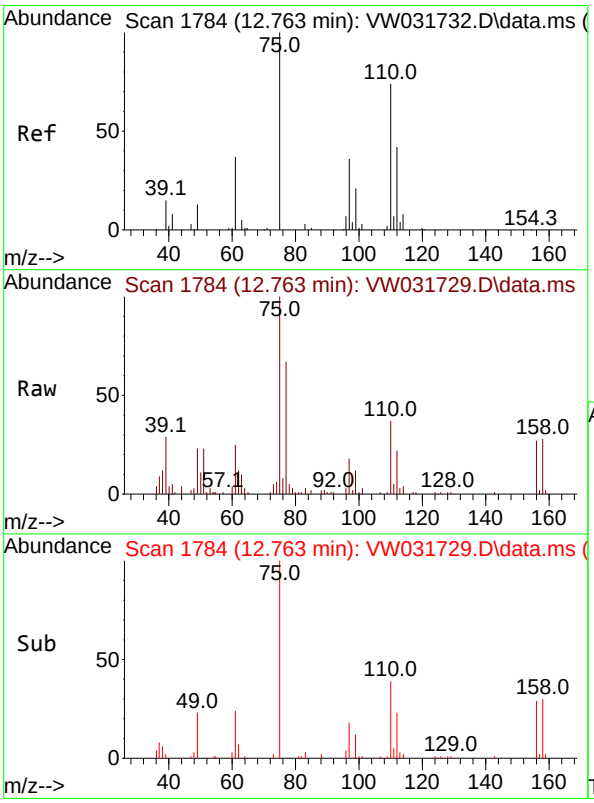
#75
1,1,2,2-Tetrachloroethane
Concen: 5.277 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 15264

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	16.1
85	65.0	32.0	96.2

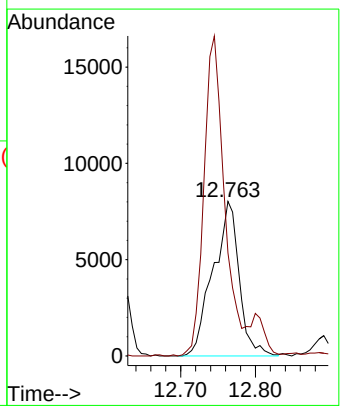


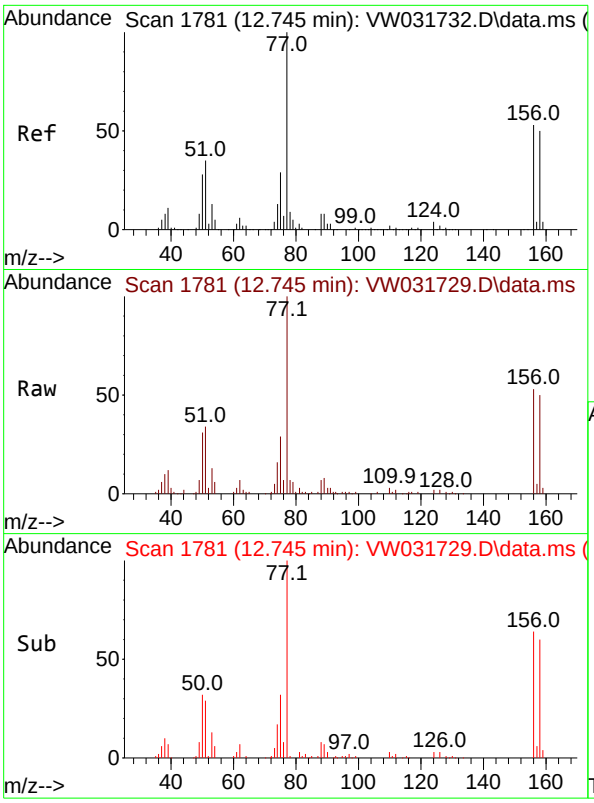


#76
1,2,3-Trichloropropane
Concen: 8.804 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 19488

Ion	Ratio	Lower	Upper
75	100		
77	167.2	141.2	423.6



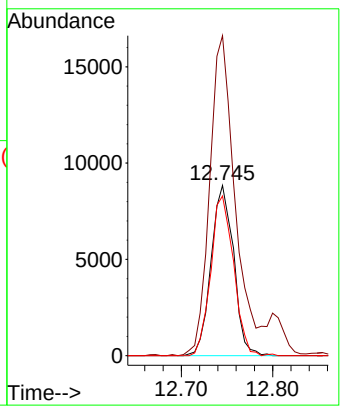


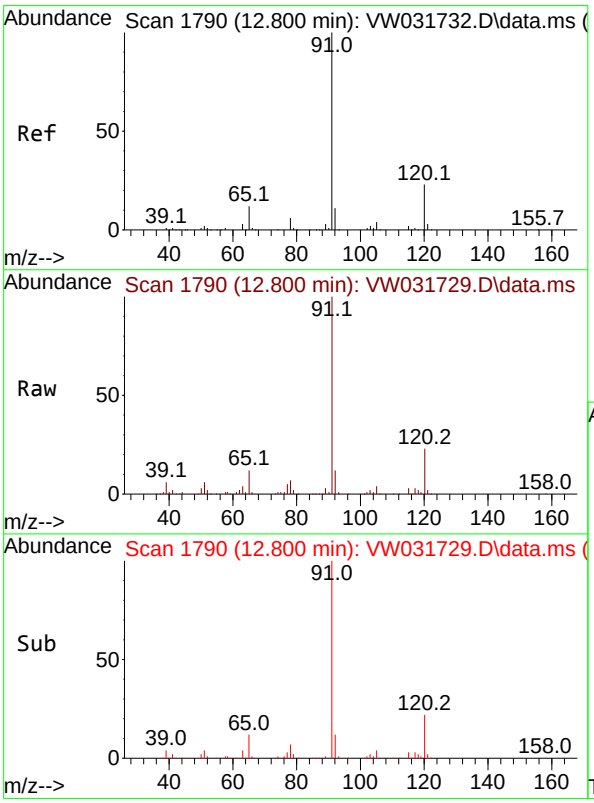
#77
Bromobenzene
Concen: 5.207 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15131

Ion	Ratio	Lower	Upper
156	100		
77	215.4	117.9	353.7
158	95.3	52.6	157.8

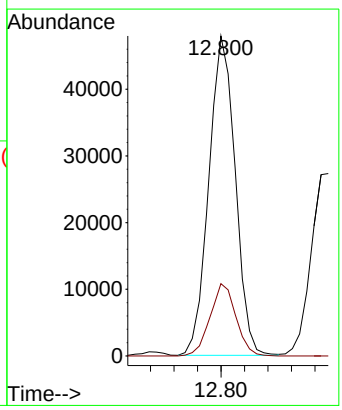


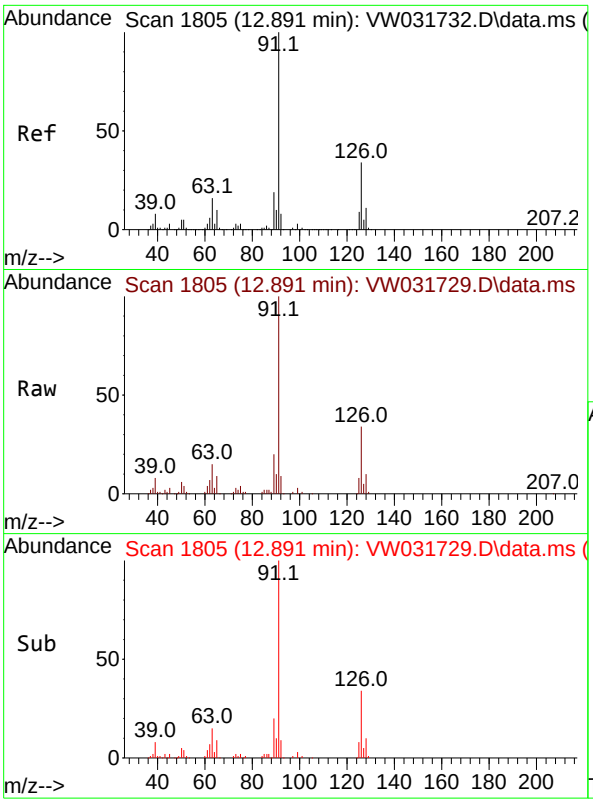


#78
n-propylbenzene
Concen: 4.797 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 74850

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4



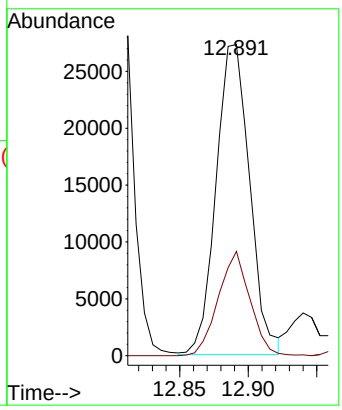


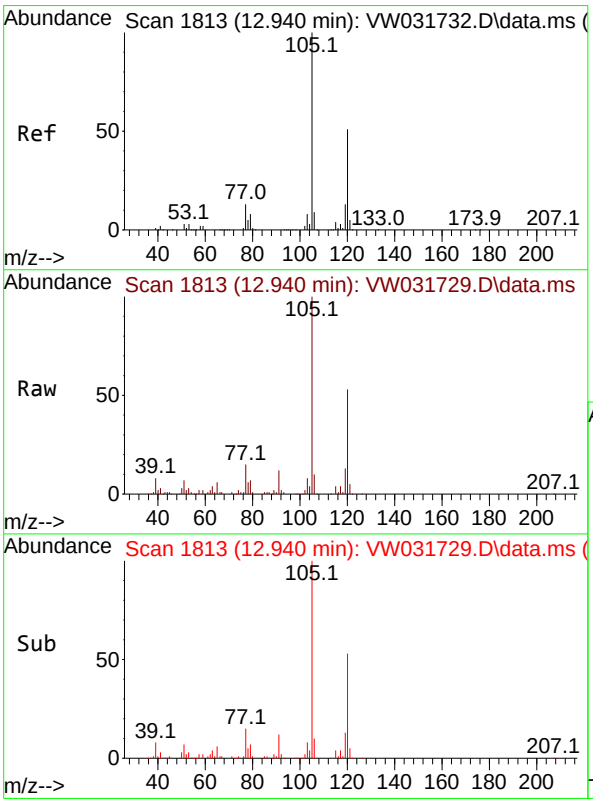
#79
2-Chlorotoluene
Concen: 4.954 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 46542

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.4

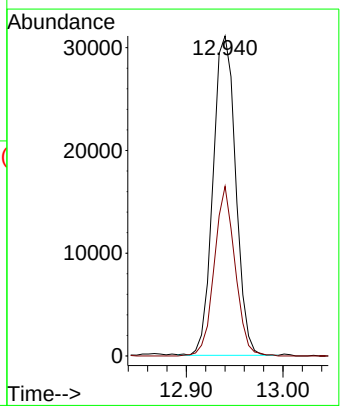


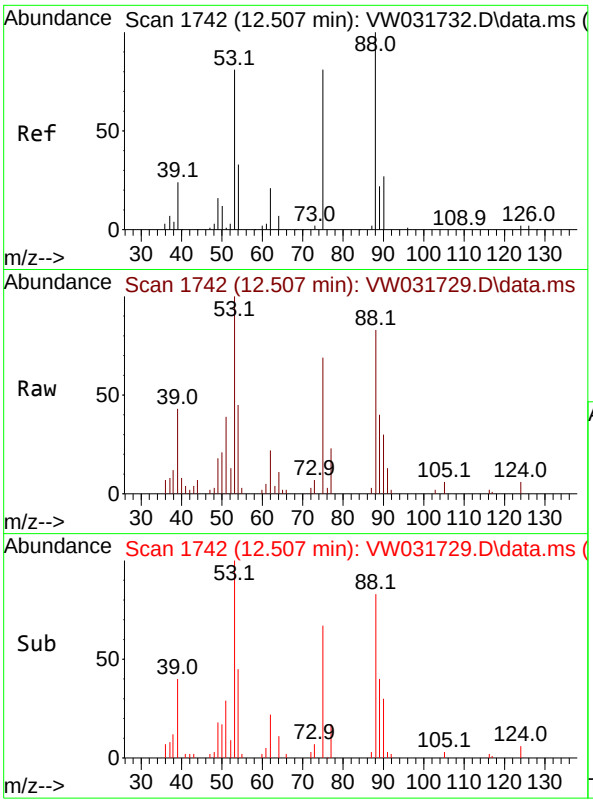


#80
1,3,5-Trimethylbenzene
Concen: 4.680 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 50477

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.8	71.2



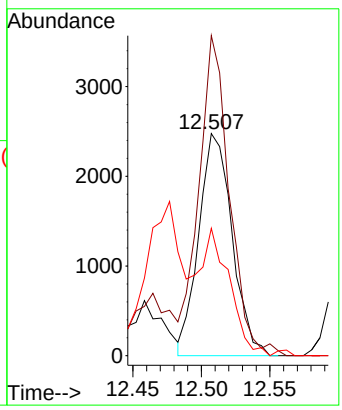


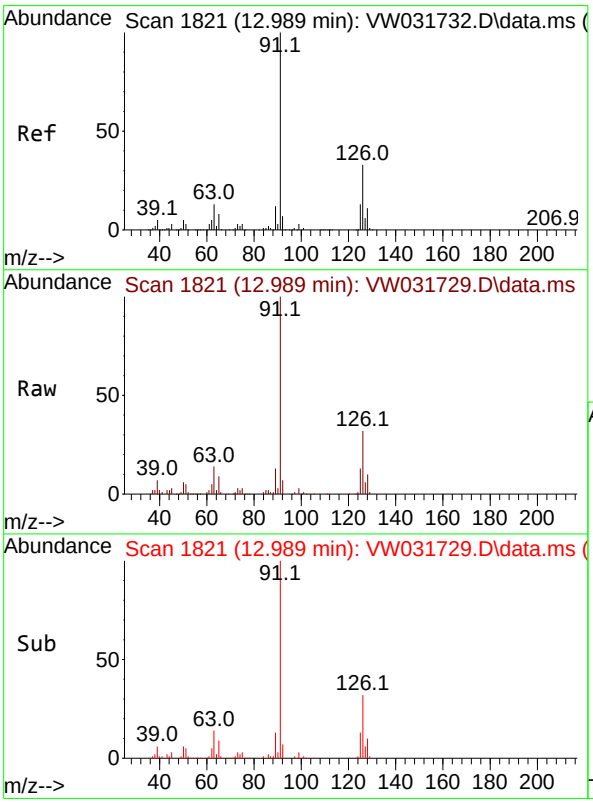
#81
trans-1,4-Dichloro-2-butene
Concen: 4.408 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 4189

Ion	Ratio	Lower	Upper
75	100		
53	132.0	83.5	125.3#
89	46.3	38.3	57.5

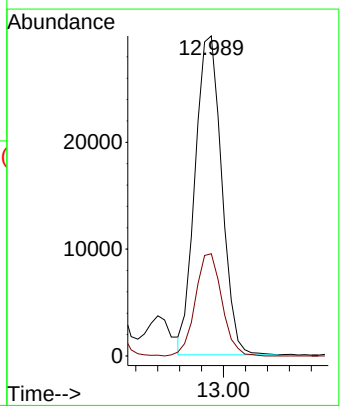


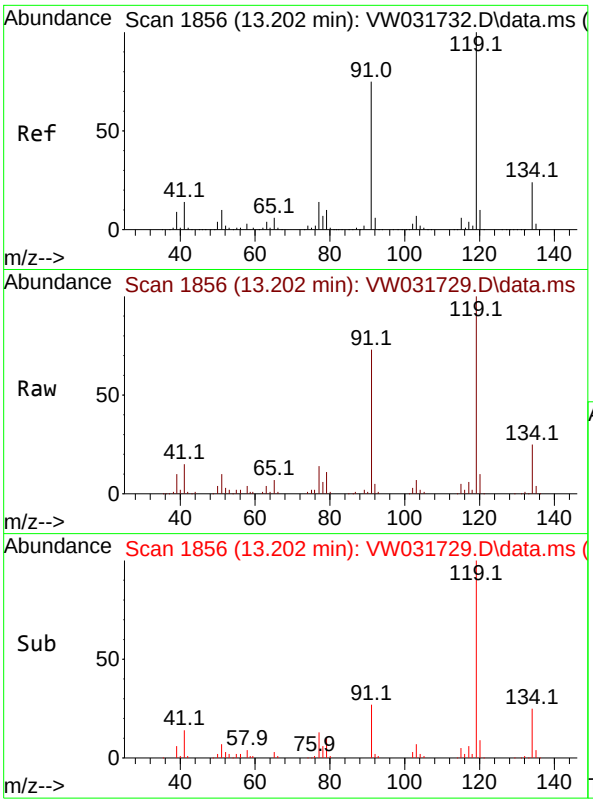


#82
4-Chlorotoluene
Concen: 5.098 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 91 Resp: 50283

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.0	47.9



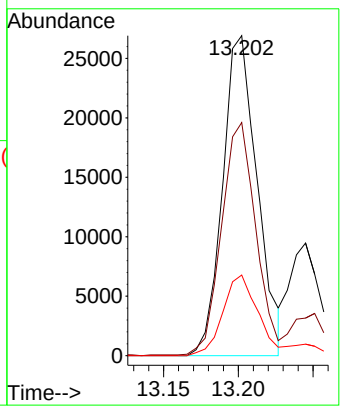


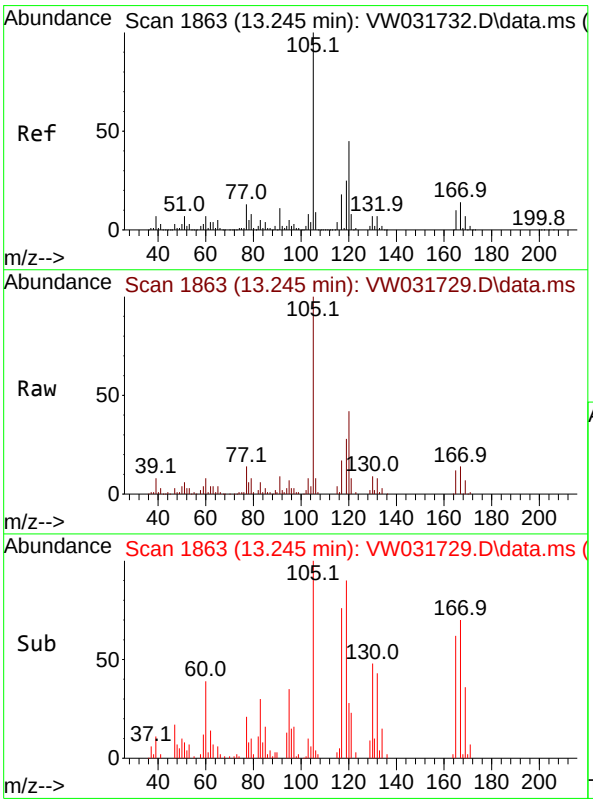
#83
tert-Butylbenzene
Concen: 4.694 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 43370

Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.0	108.1
134	25.8	12.4	37.2

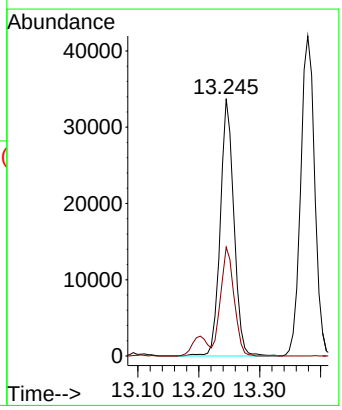


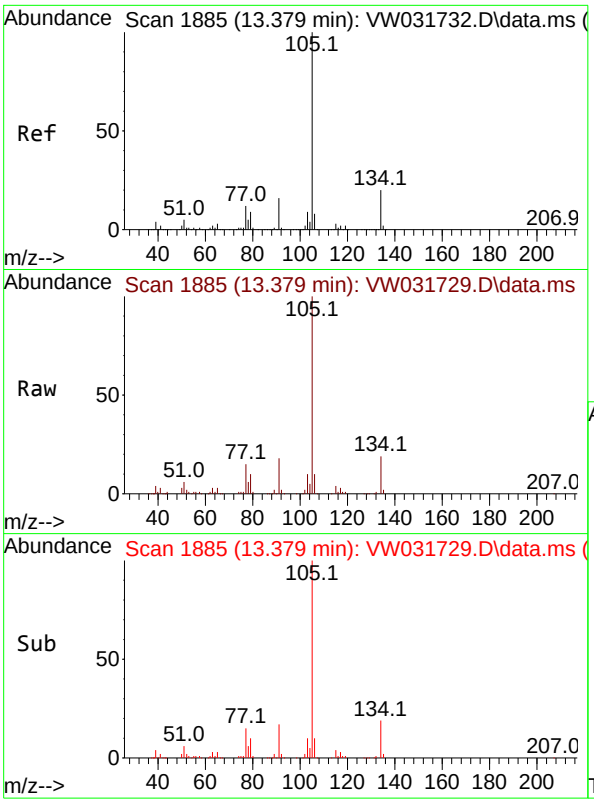


#84
1,2,4-Trimethylbenzene
Concen: 4.788 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:105 Resp: 52319

Ion	Ratio	Lower	Upper
105	100		
120	41.9	22.1	66.1



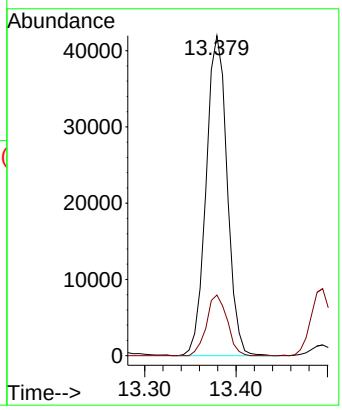


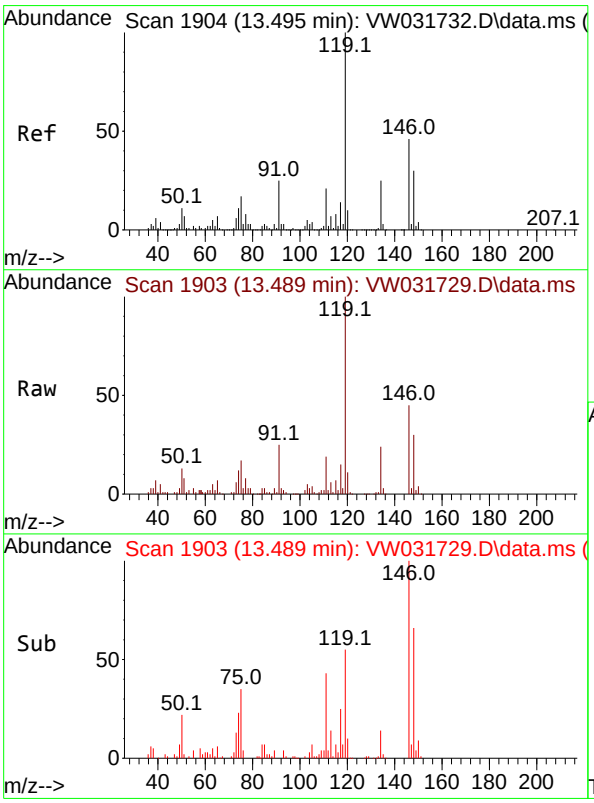
#85
sec-Butylbenzene
Concen: 4.835 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 67046

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.8

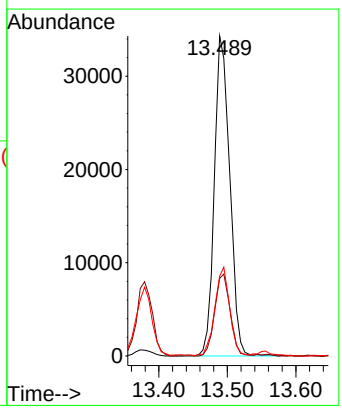


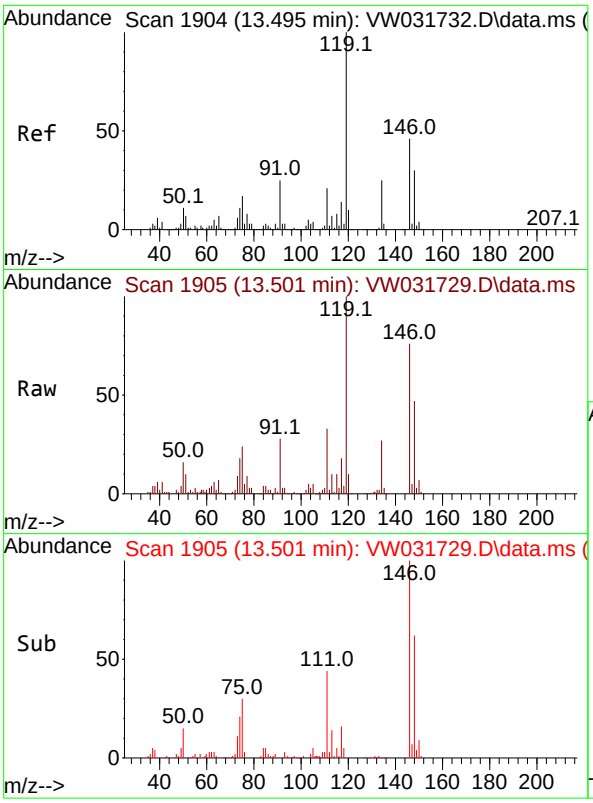


#86
p-Isopropyltoluene
Concen: 4.681 ug/l
RT: 13.489 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:119 Resp: 53492

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	26.8	12.7	38.0



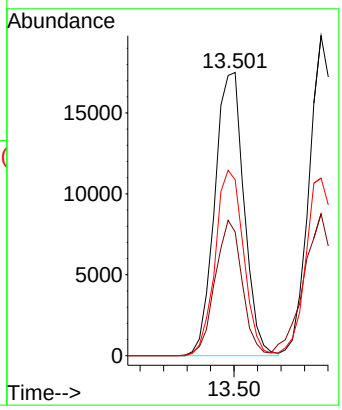


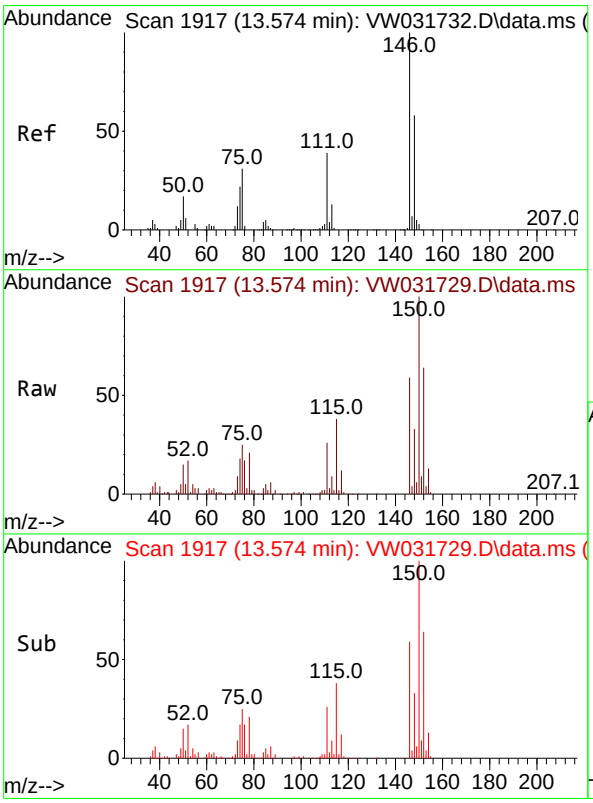
#87
1,3-Dichlorobenzene
Concen: 5.206 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 30342

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.3	66.9
148	63.6	31.8	95.4

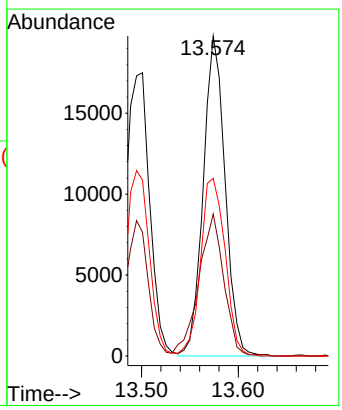


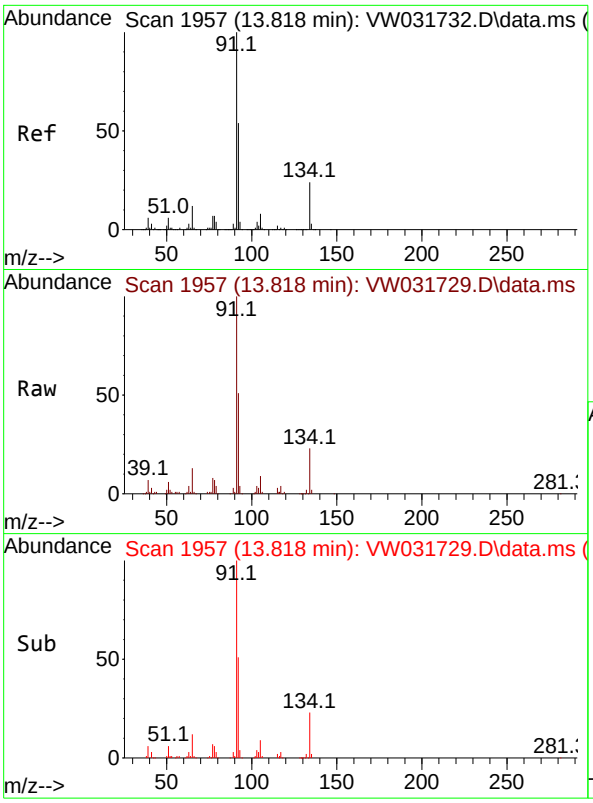


#88
1,4-Dichlorobenzene
Concen: 5.211 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:146 Resp: 31083

Ion	Ratio	Lower	Upper
146	100		
111	50.9	20.4	61.3
148	62.2	30.2	90.6



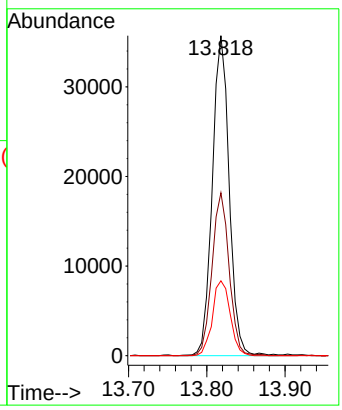


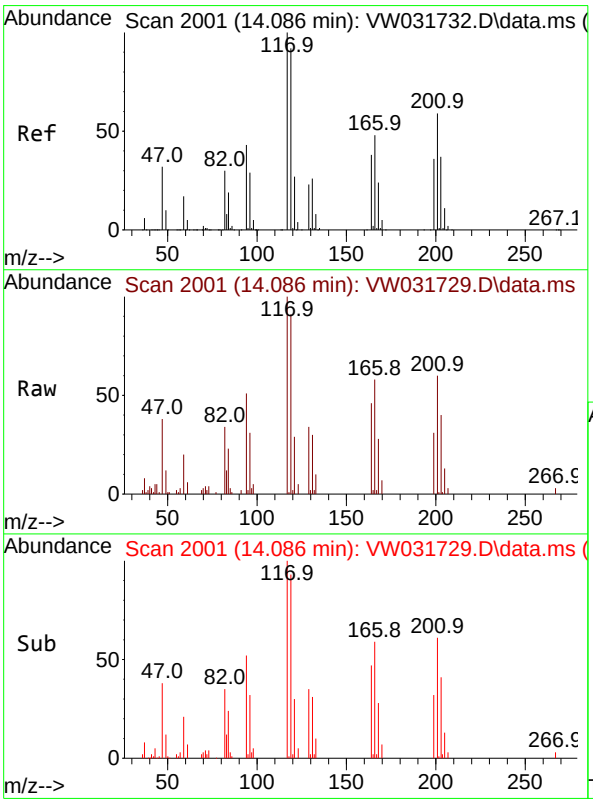
#89
n-Butylbenzene
Concen: 4.823 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 53555

Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.2	81.5
134	24.6	12.2	36.6

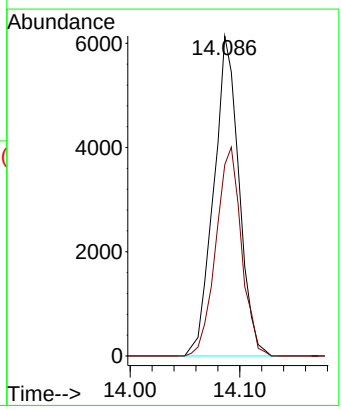


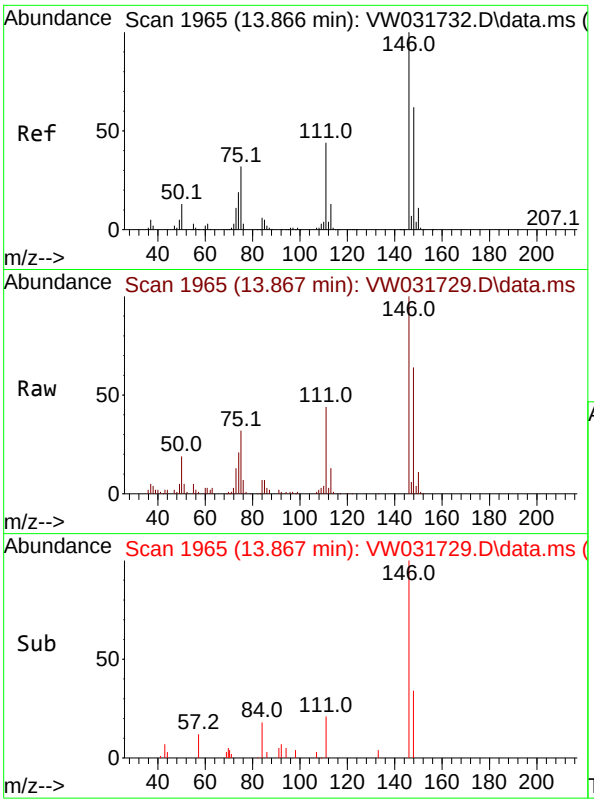


#90
Hexachloroethane
Concen: 4.761 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:117 Resp: 9816

Ion	Ratio	Lower	Upper
117	100		
201	66.0	31.1	93.3



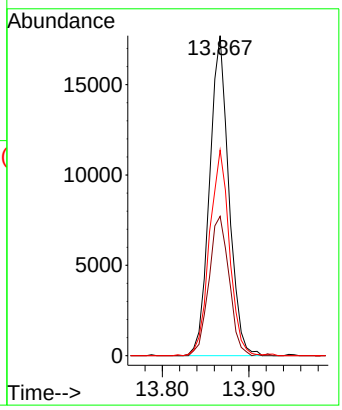


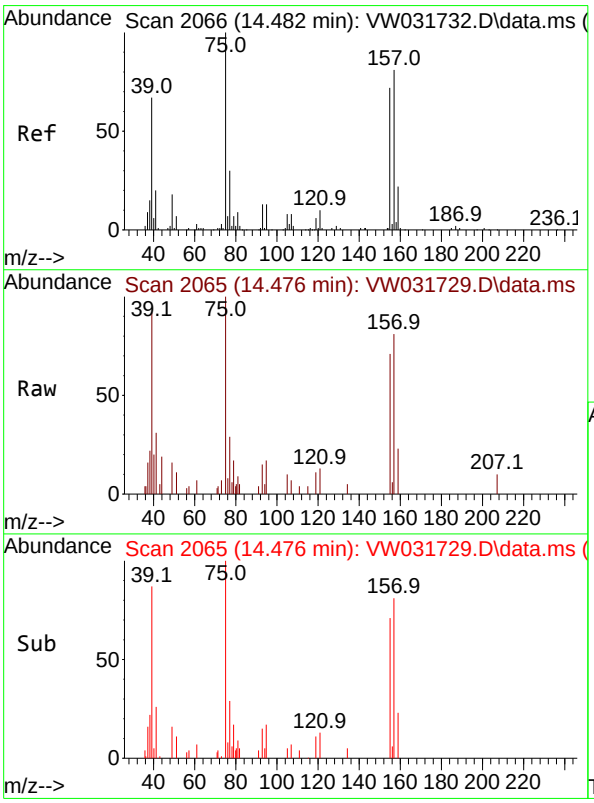
#91
1,2-Dichlorobenzene
Concen: 5.143 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 27395

Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.7	65.1
148	66.4	29.8	89.5

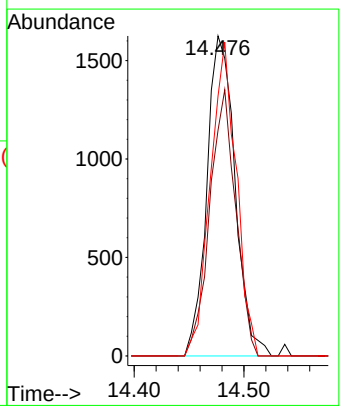


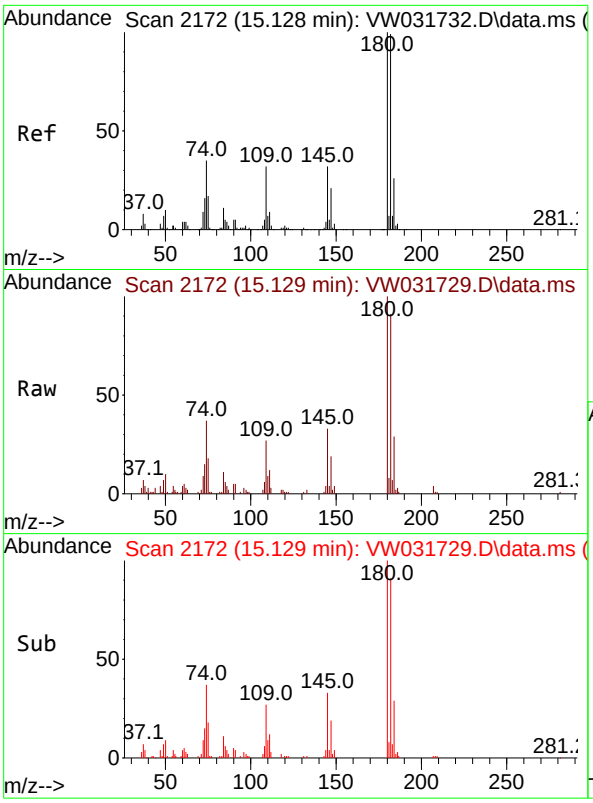


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.138 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion: 75 Resp: 2902

Ion	Ratio	Lower	Upper
75	100		
155	76.8	37.2	111.6
157	90.5	45.6	136.9



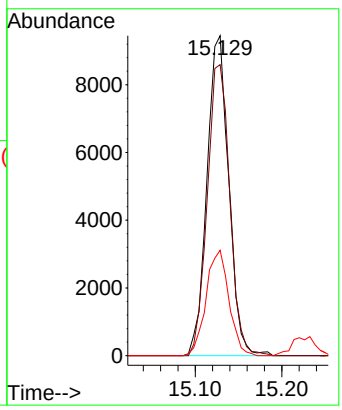


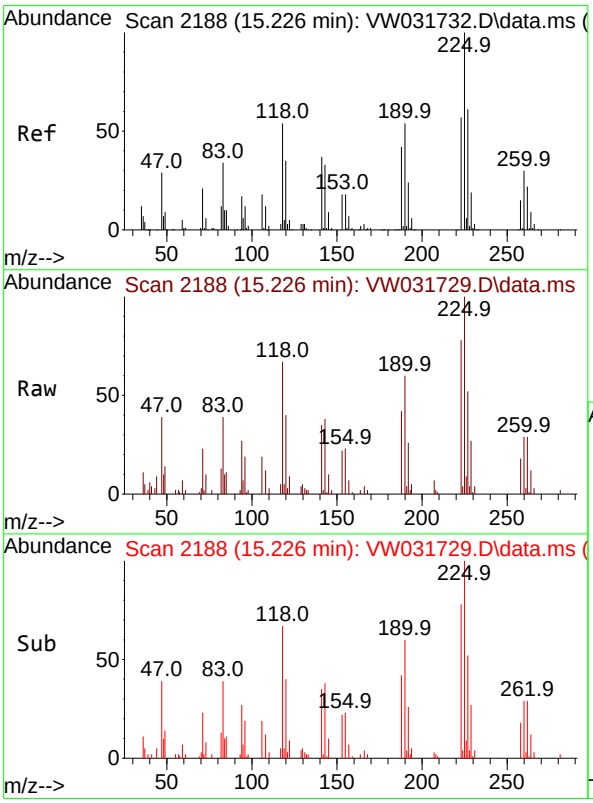
#93
1,2,4-Trichlorobenzene
Concen: 5.030 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 16524

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.6	145.9
145	34.5	17.3	51.7

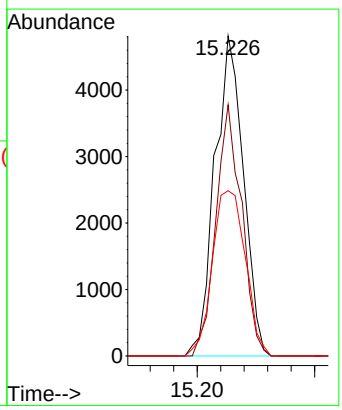


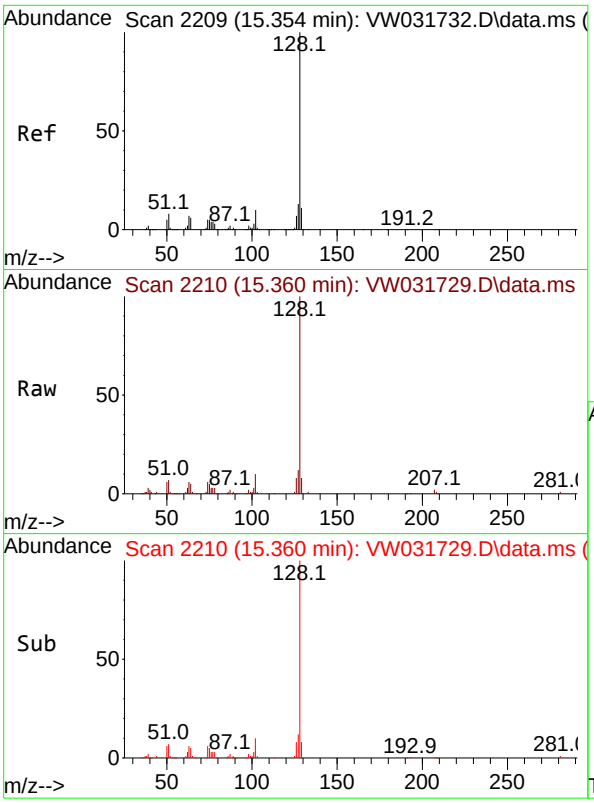


#94
Hexachlorobutadiene
Concen: 5.120 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:225 Resp: 8122

Ion	Ratio	Lower	Upper
225	100		
223	70.6	32.6	97.8
227	59.9	37.3	111.8



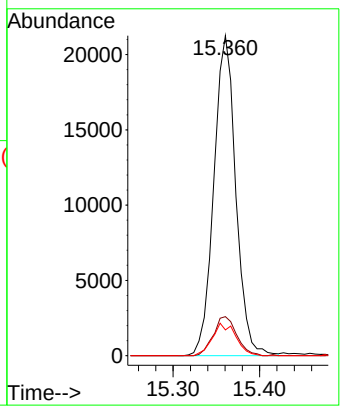


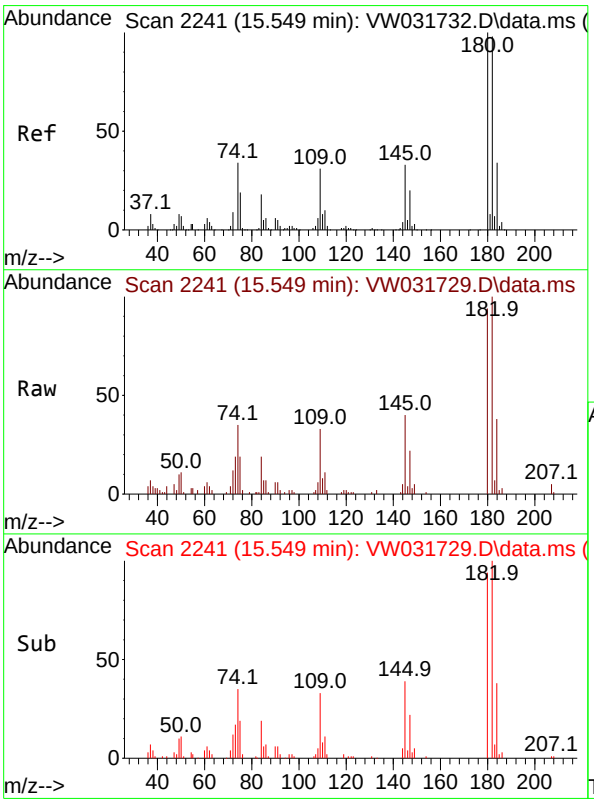
#95
Naphthalene
Concen: 4.647 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 37422

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.9	8.7	13.1

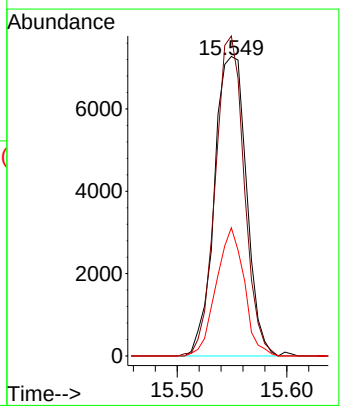




#96
1,2,3-Trichlorobenzene
Concen: 4.895 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031729.D
Acq: 30 Jun 2025 09:54

Tgt Ion:180 Resp: 14775

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.4	139.1
145	37.3	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.400%#			
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.880%#			
50) Toluene-d8	10.325	98	96344	10.251	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.500%#			
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.200%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l		94
3) Chloromethane	2.253	50	17744	9.993	ug/l		99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l		95
5) Bromomethane	2.820	94	18643	10.226	ug/l		94
6) Chloroethane	2.966	64	16074	10.139	ug/l		91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l		94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l		99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l		99
11) Tert butyl alcohol	5.216	59	4770	24.807	ug/l	#	79
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l		95
13) Acrolein	3.929	56	18553	53.683	ug/l		100
14) Allyl chloride	4.704	41	39145	9.900	ug/l		100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l		99
16) Acetone	4.161	43	41372	53.597	ug/l		97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l		98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l		99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l		95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l		96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l		87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l		95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l		98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l		99
25) 2-Butanone	7.197	43	48340	48.435	ug/l		97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l		97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l		99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l		98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l		98
30) Chloroform	7.691	83	53600	10.090	ug/l		99
31) Cyclohexane	7.971	56	46081	10.427	ug/l	#	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l		98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l		99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l		99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l		99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l		97
40) Benzene	8.337	78	107869	9.977	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485 ug/l	87
42) 1,2-Dichloroethane	8.416	62	37957	10.390 ug/l	99
43) Isopropyl Acetate	8.441	43	39393	9.913 ug/l	99
44) Trichloroethene	9.099	130	26788	9.927 ug/l	98
45) 1,2-Dichloropropane	9.380	63	26605	10.181 ug/l	97
46) Dibromomethane	9.471	93	16818	9.969 ug/l	96
47) Bromodichloromethane	9.654	83	39595	10.009 ug/l	98
48) Methyl methacrylate	9.447	41	20612	10.549 ug/l	96
49) 1,4-Dioxane	9.465	88	3269	182.013 ug/l #	67
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050 ug/l	99
52) Toluene	10.392	92	69506	10.041 ug/l	99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585 ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588 ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872 ug/l #	88
56) Ethyl methacrylate	10.648	69	28317	9.445 ug/l	99
57) 1,3-Dichloropropane	10.934	76	40528	10.446 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578 ug/l	98
59) 2-Hexanone	10.971	43	77810	50.260 ug/l	97
60) Dibromochloromethane	11.129	129	25734	9.738 ug/l	96
61) 1,2-Dibromoethane	11.233	107	22082	9.981 ug/l	100
64) Tetrachloroethene	10.861	164	22144	9.801 ug/l	90
65) Chlorobenzene	11.654	112	77068	10.113 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975 ug/l	98
67) Ethyl Benzene	11.733	91	131184	9.927 ug/l	98
68) m/p-Xylenes	11.836	106	100863	19.856 ug/l	98
69) o-Xylene	12.166	106	45204	9.611 ug/l	97
70) Styrene	12.184	104	79722	9.805 ug/l	98
71) Bromoform	12.355	173	13967	9.641 ug/l #	99
73) Isopropylbenzene	12.464	105	120857	9.331 ug/l	100
74) N-amyl acetate	12.275	43	33049	9.467 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935 ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	36471	16.575 ug/l	40
77) Bromobenzene	12.745	156	27969	9.682 ug/l	91
78) n-propylbenzene	12.800	91	150962	9.734 ug/l	98
79) 2-Chlorotoluene	12.885	91	90162	9.654 ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808 ug/l	92
82) 4-Chlorotoluene	12.989	91	95411	9.731 ug/l	99
83) tert-Butylbenzene	13.202	119	87194	9.495 ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651 ug/l	100
85) sec-Butylbenzene	13.379	105	132016	9.578 ug/l	99
86) p-Isopropyltoluene	13.495	119	107805	9.490 ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021 ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051 ug/l	94
89) n-Butylbenzene	13.818	91	105923	9.597 ug/l	99
90) Hexachloroethane	14.086	117	19306	9.420 ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634 ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371 ug/l	98
94) Hexachlorobutadiene	15.226	225	15982	10.136 ug/l	91
95) Naphthalene	15.360	128	71758	8.964 ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

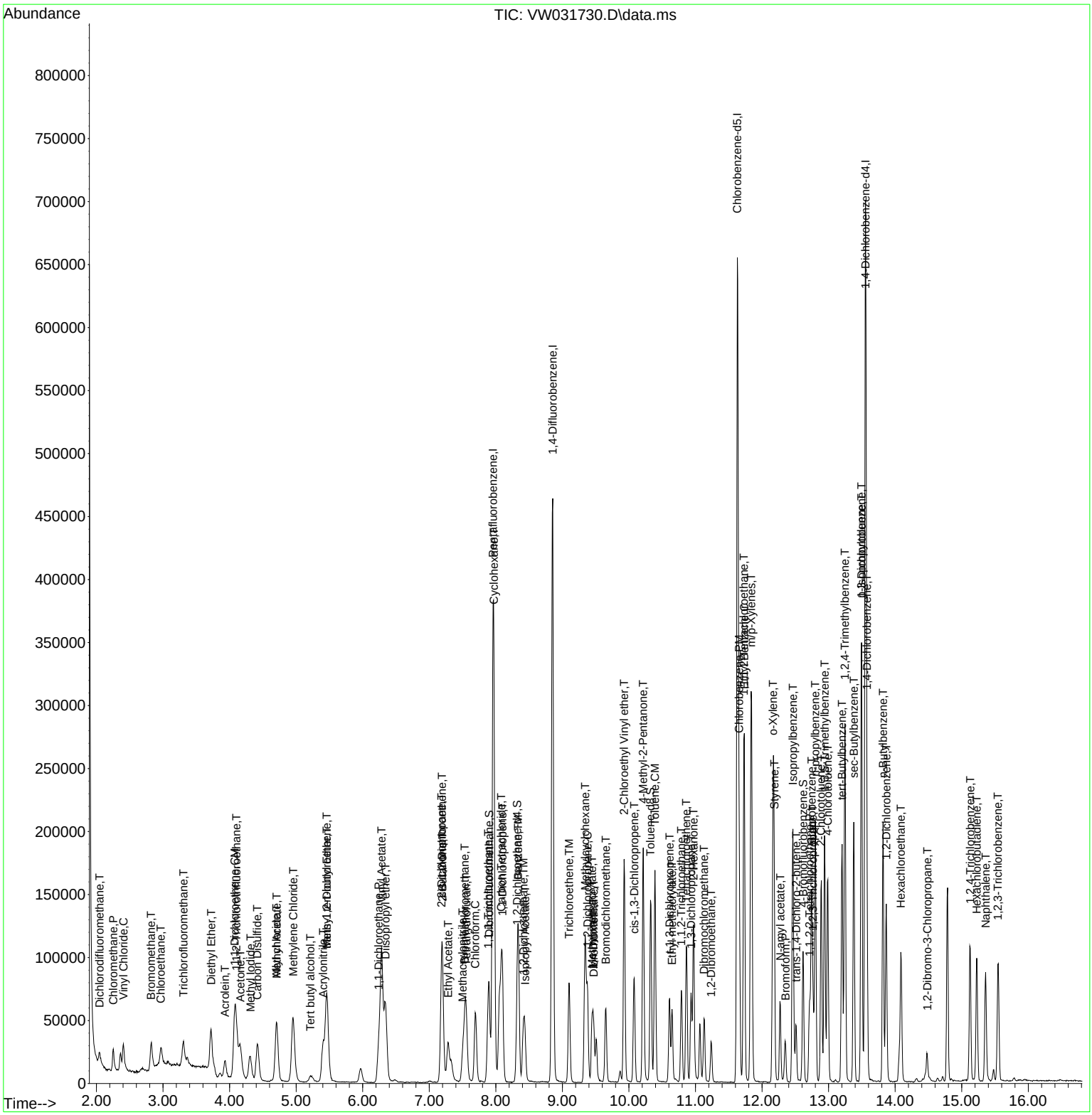
(#) = qualifier out of range (m) = manual integration (+) = signals summed

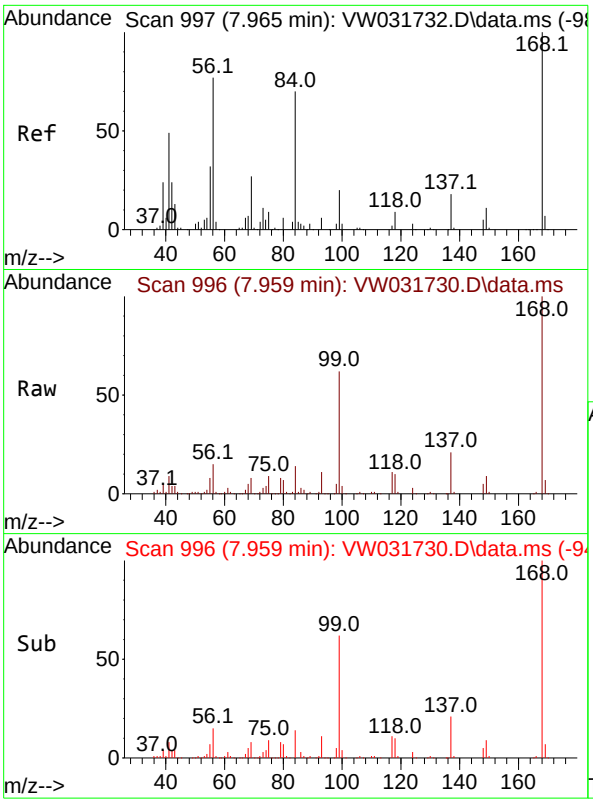
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
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 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



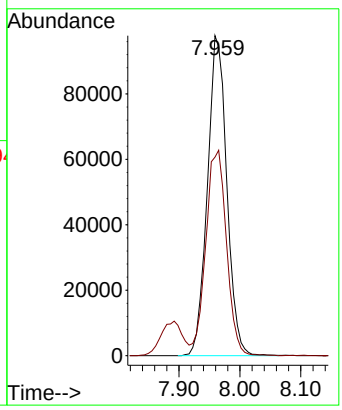


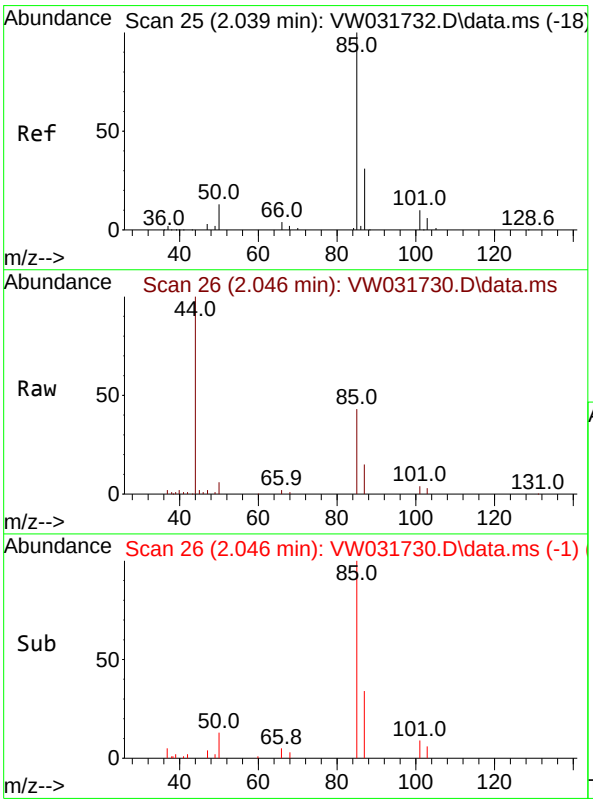
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 216272

Ion	Ratio	Lower	Upper
168	100		
99	62.1	49.4	74.2

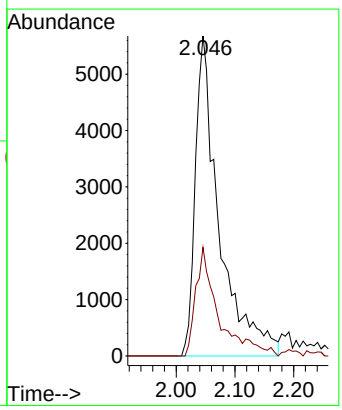


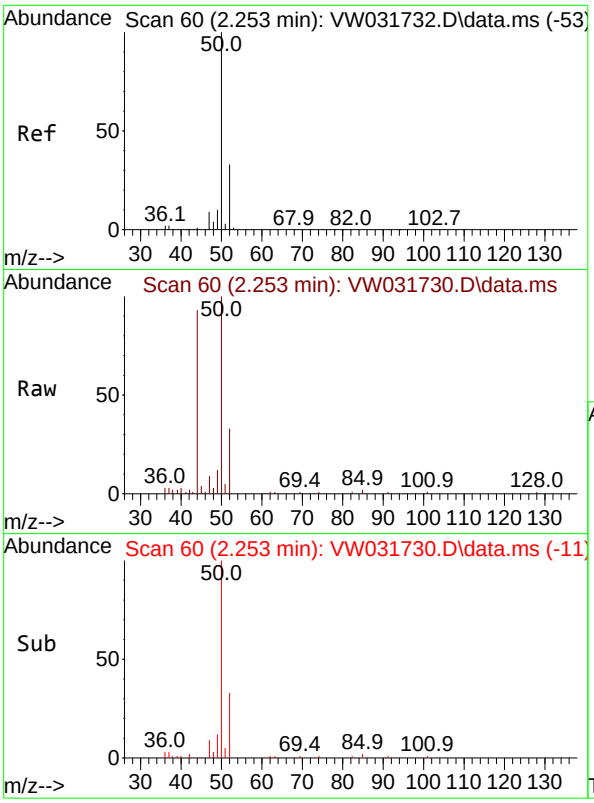


#2
Dichlorodifluoromethane
Concen: 10.893 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 85 Resp: 16044

Ion	Ratio	Lower	Upper
85	100		
87	33.9	15.4	46.2



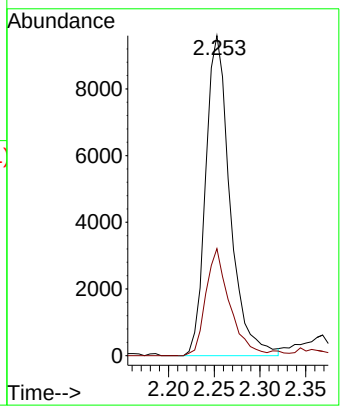


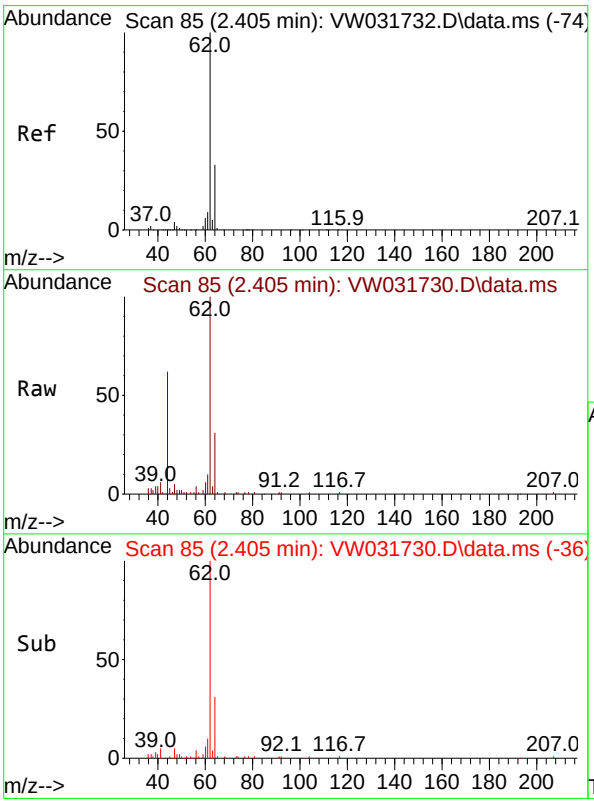
#3
Chloromethane
Concen: 9.993 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 17744

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.2

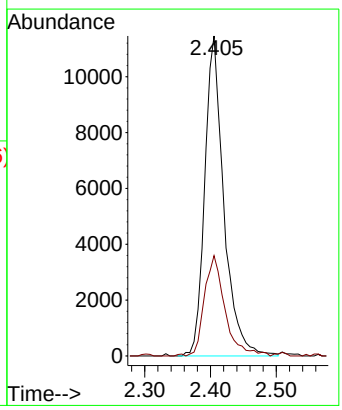


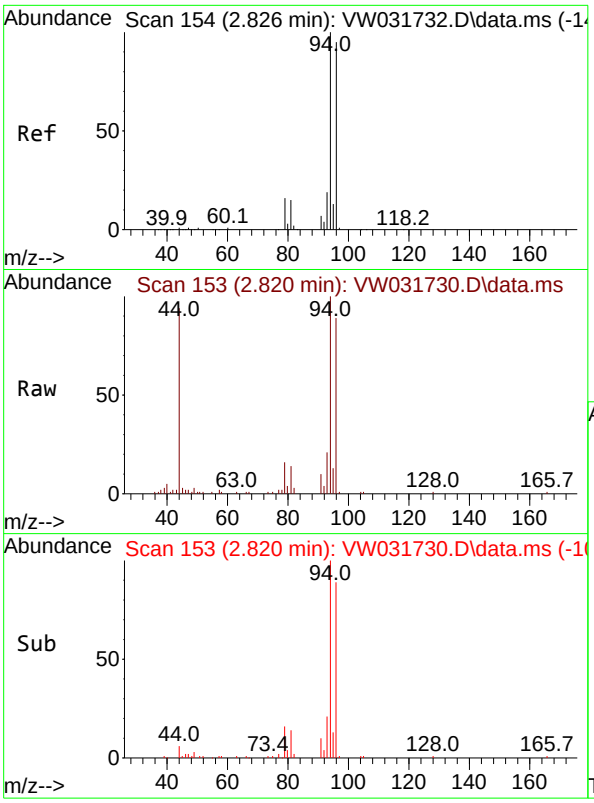


#4
Vinyl Chloride
Concen: 9.902 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 23112

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.8	40.2



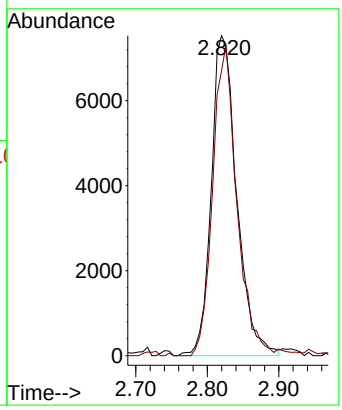


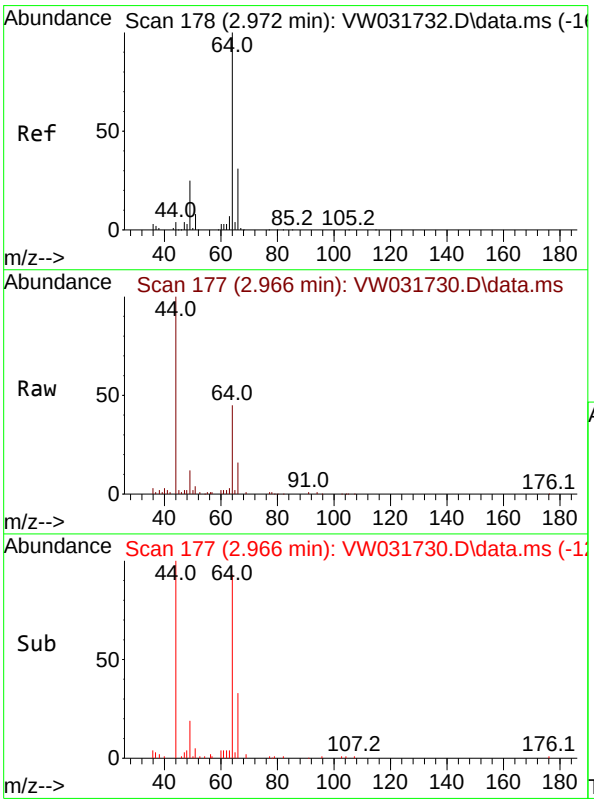
#5
Bromomethane
Concen: 10.226 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 18643

Ion	Ratio	Lower	Upper
94	100		
96	89.0	75.6	113.4

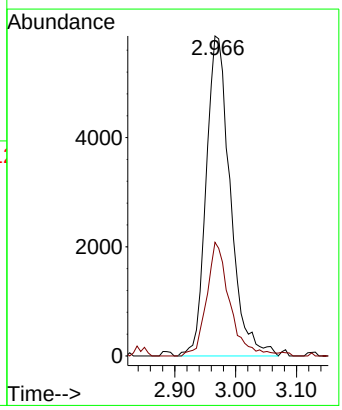


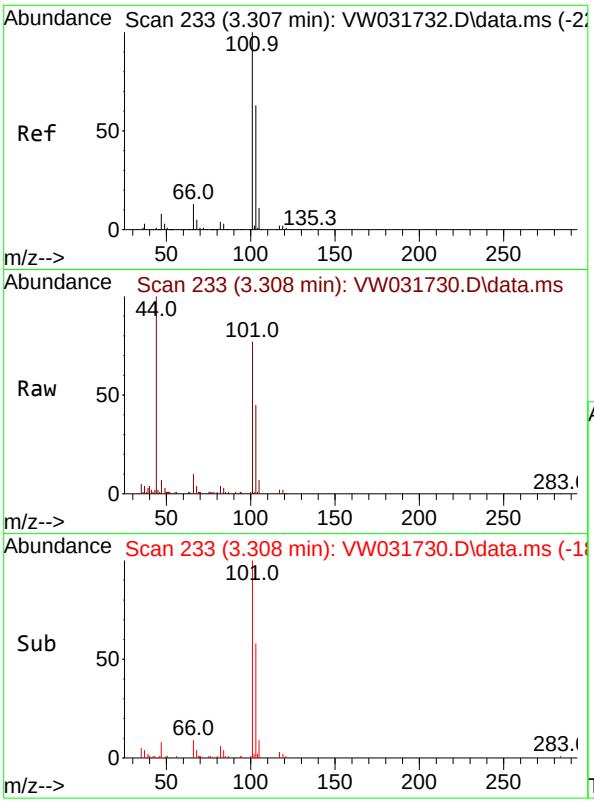


#6
Chloroethane
Concen: 10.139 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 64 Resp: 16074

Ion	Ratio	Lower	Upper
64	100		
66	35.5	24.5	36.7



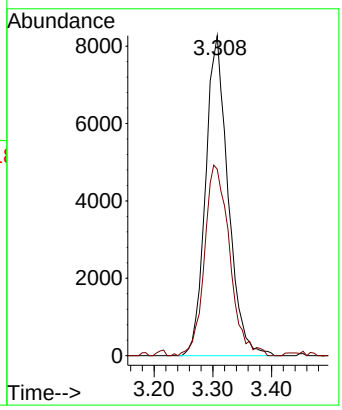


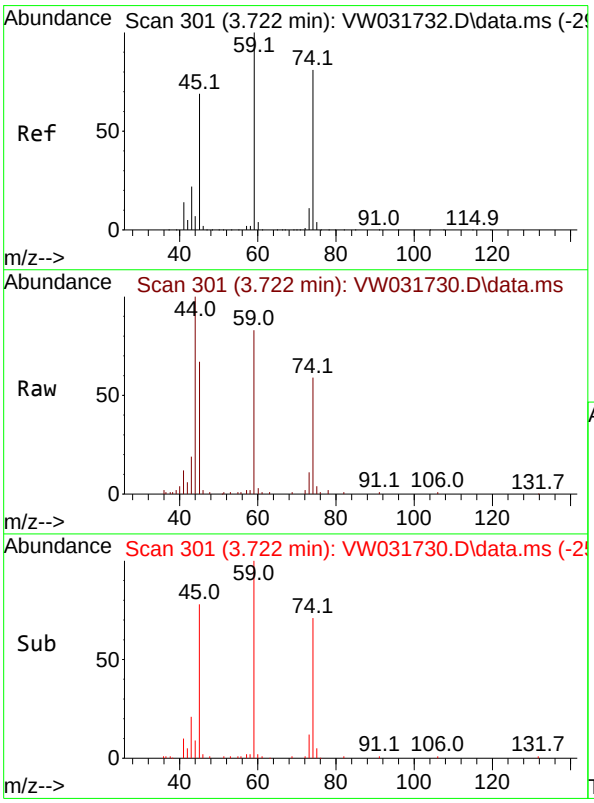
#7
Trichlorofluoromethane
Concen: 10.374 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 21990

Ion	Ratio	Lower	Upper
101	100		
103	58.3	50.2	75.4

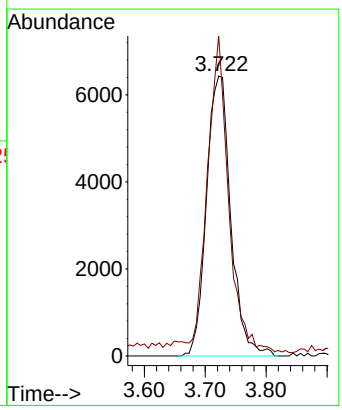


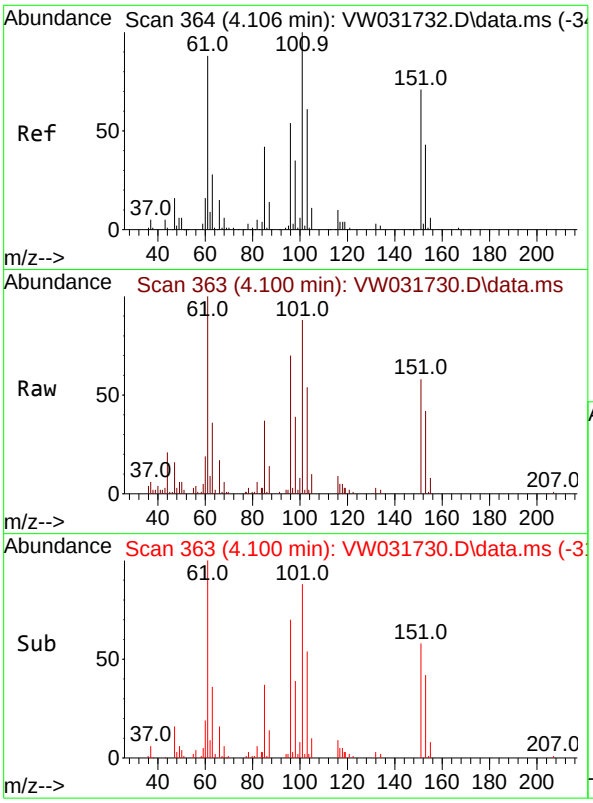


#8
Diethyl Ether
Concen: 11.102 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 74 Resp: 17881

Ion	Ratio	Lower	Upper
74	100		
45	98.5	43.9	131.7



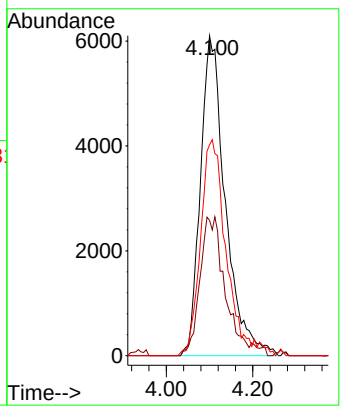


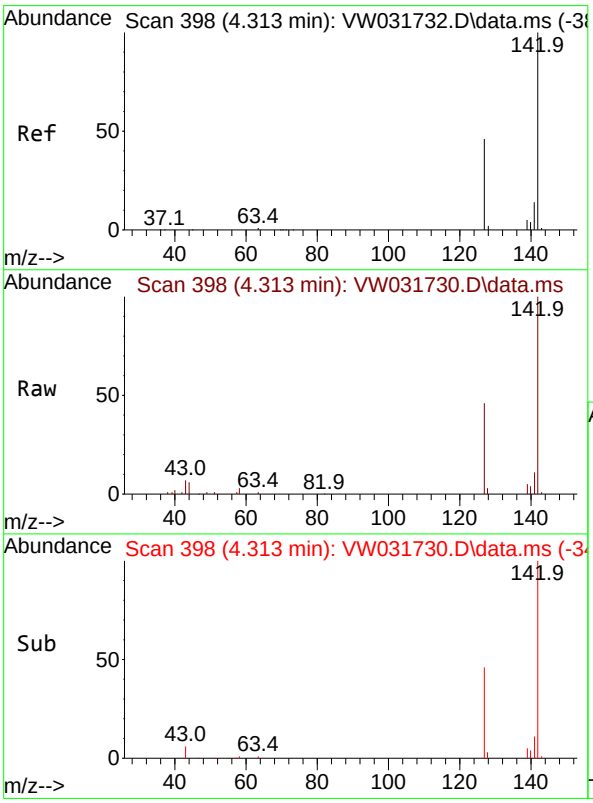
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.346 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 24340

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.6	53.4
151	70.1	56.8	85.2

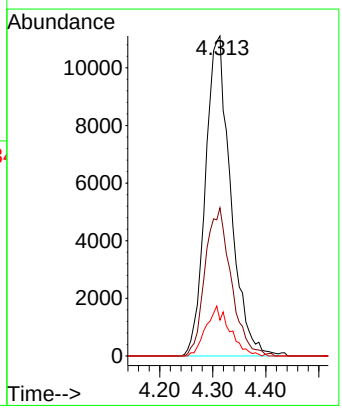


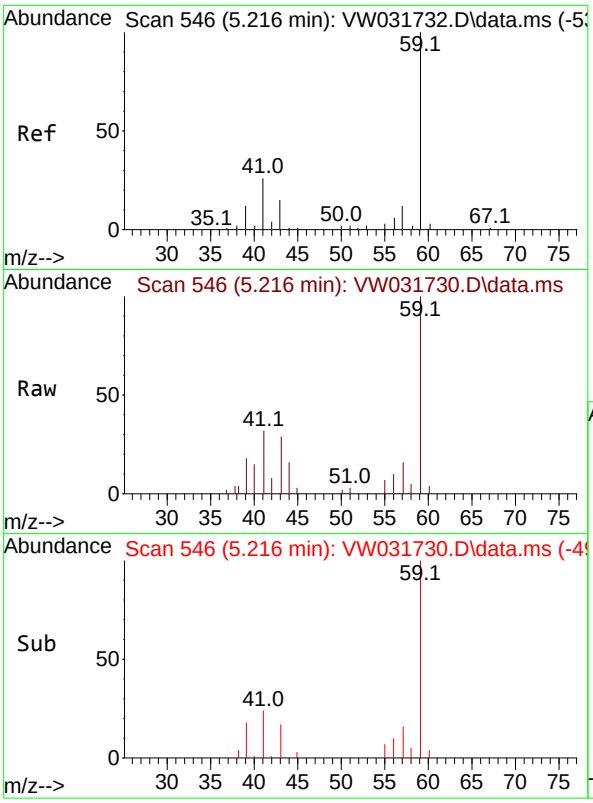


#10
Methyl Iodide
Concen: 10.090 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:142 Resp: 36597

Ion	Ratio	Lower	Upper
142	100		
127	47.8	37.9	56.9
141	14.9	11.7	17.5



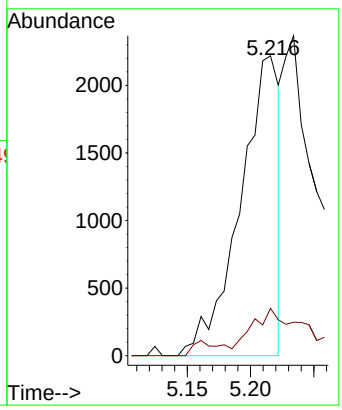


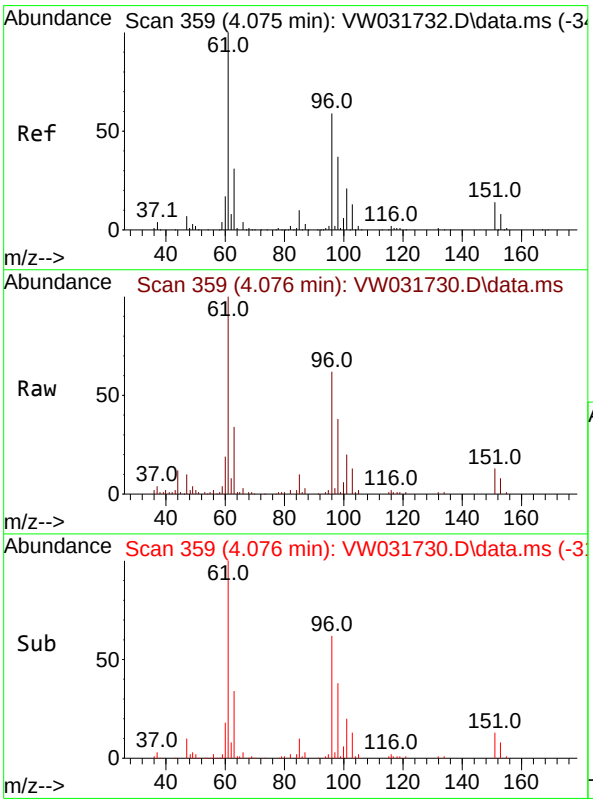
#11
Tert butyl alcohol
Concen: 24.807 ug/l
RT: 5.216 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 4770

Ion	Ratio	Lower	Upper
59	100		
57	20.1	9.5	14.3#

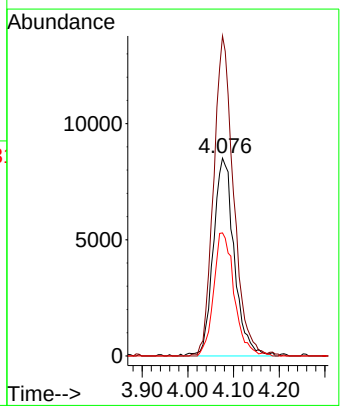


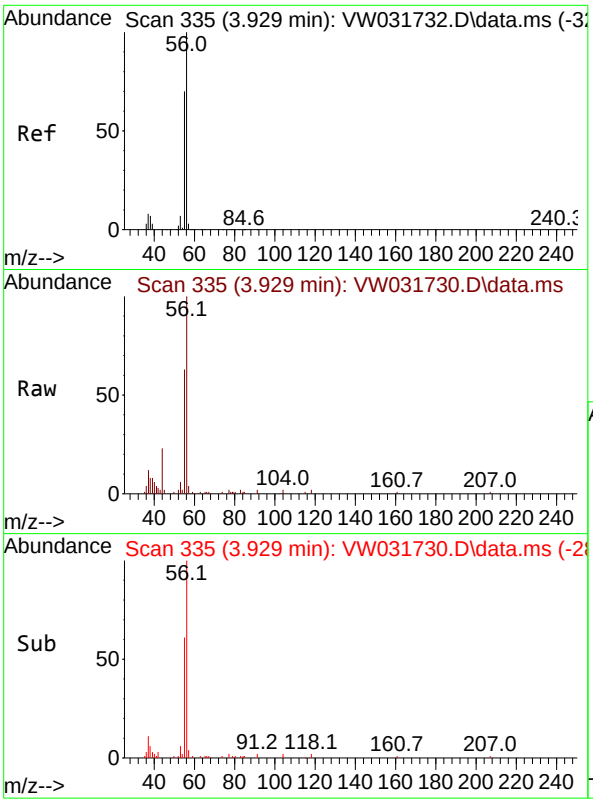


#12
1,1-Dichloroethene
Concen: 10.495 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 96 Resp: 27046

Ion	Ratio	Lower	Upper
96	100		
61	161.9	135.8	203.8
98	62.2	50.4	75.6



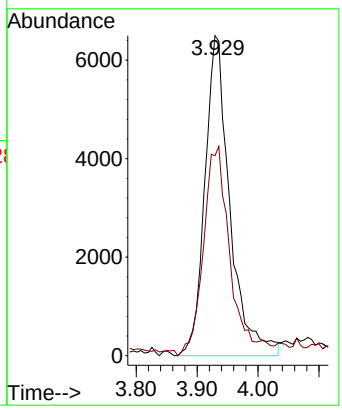


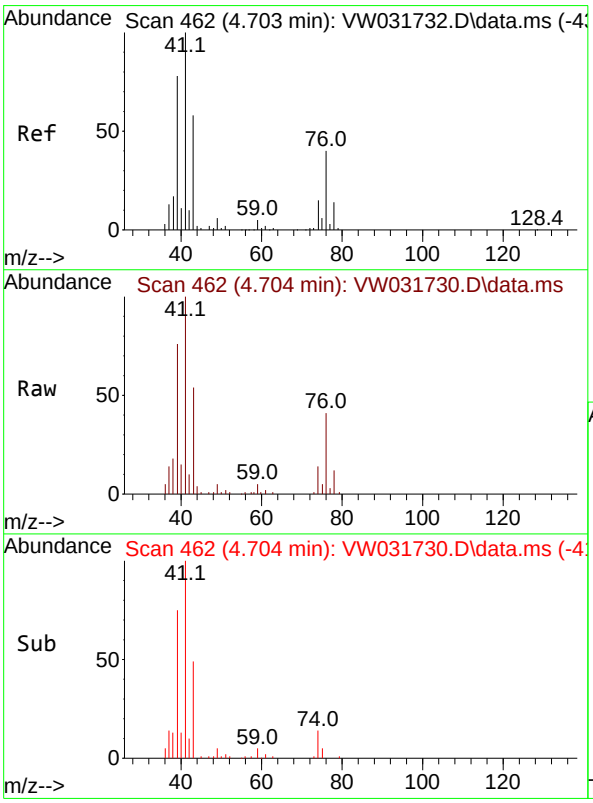
#13
Acrolein
Concen: 53.683 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 18553

Ion	Ratio	Lower	Upper
56	100		
55	67.4	54.0	81.0

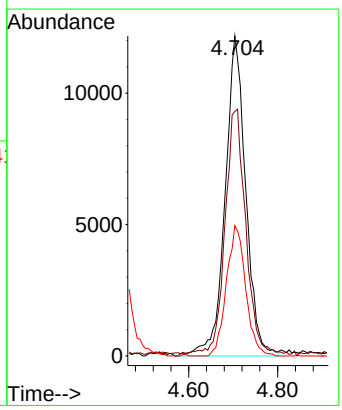


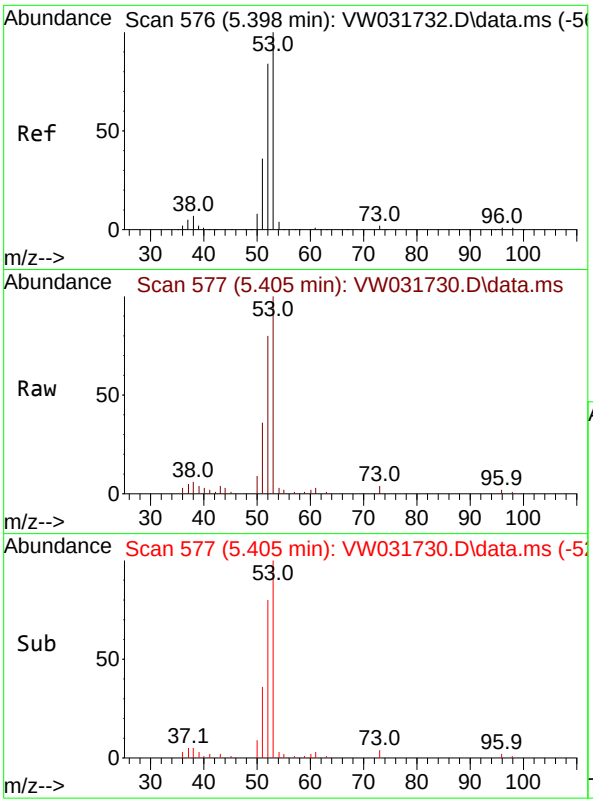


#14
Allyl chloride
Concen: 9.900 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 41 Resp: 39145

Ion	Ratio	Lower	Upper
41	100		
39	76.3	60.7	91.1
76	38.1	30.3	45.5



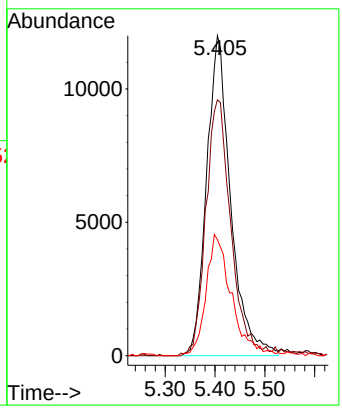


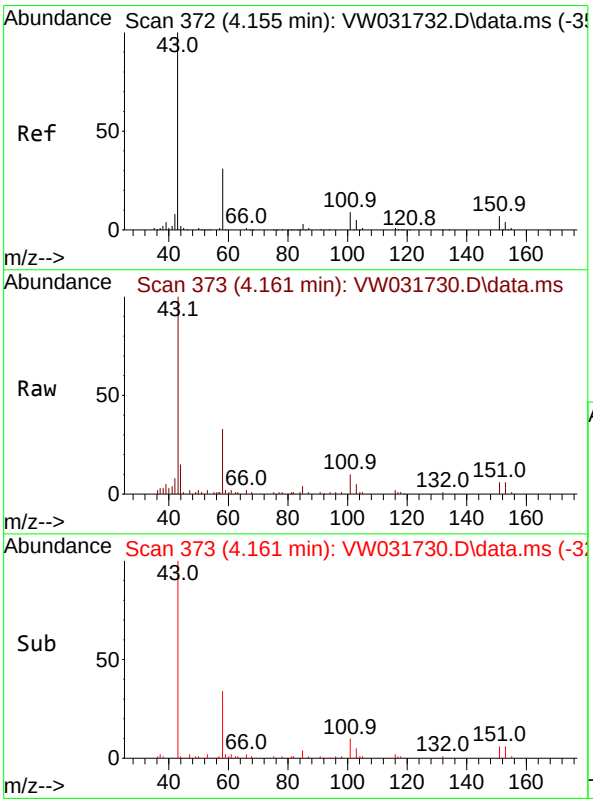
#15
Acrylonitrile
Concen: 50.867 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 40289

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	40.0	29.9	44.9

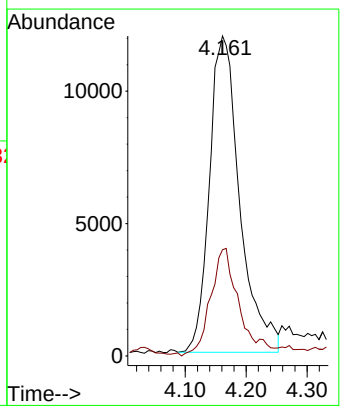


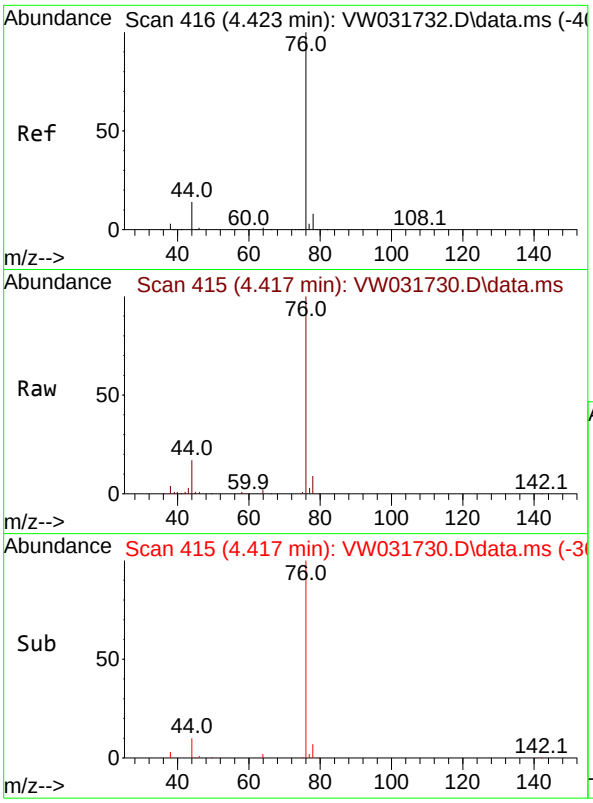


#16
Acetone
Concen: 53.597 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 41372

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.8	37.2



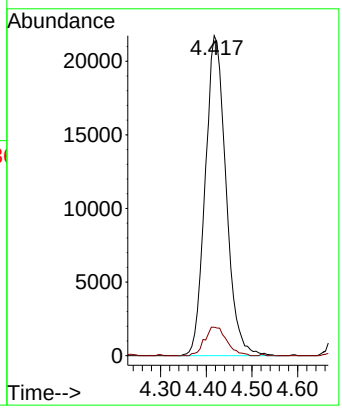


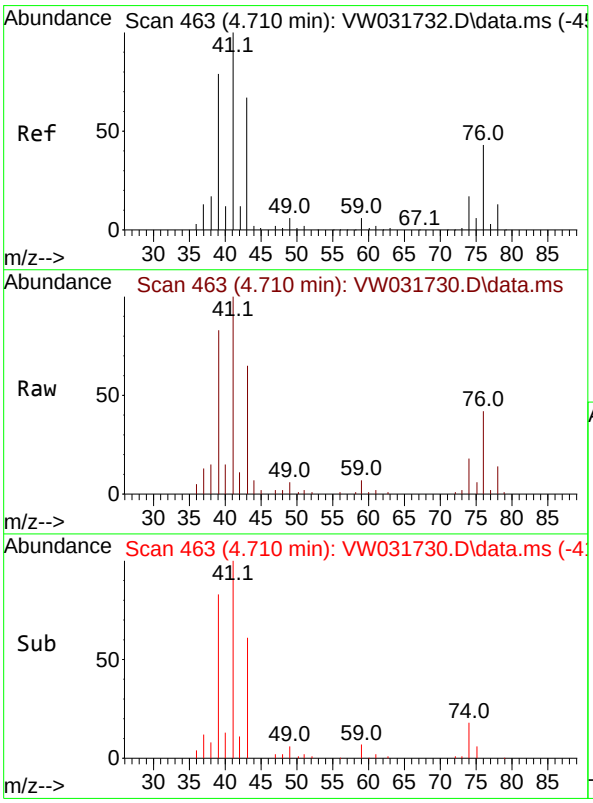
#17
Carbon Disulfide
Concen: 9.958 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 68668

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	10.0

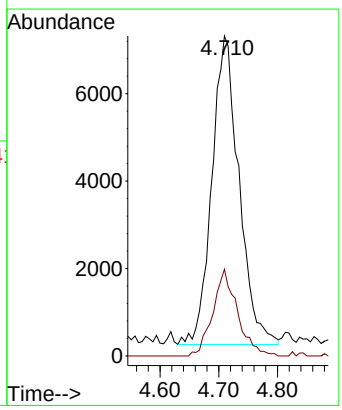


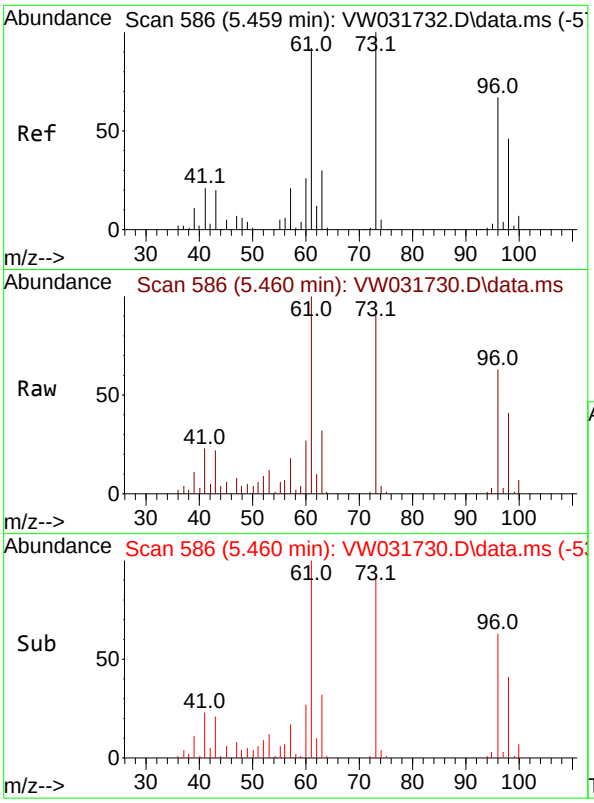


#18
Methyl Acetate
Concen: 10.321 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 22628

Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.6	30.8



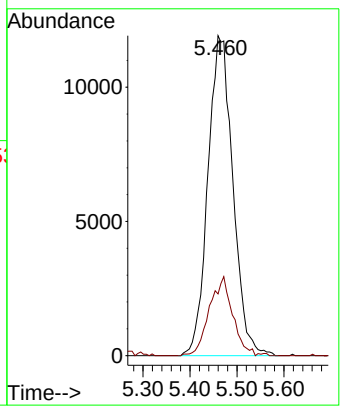


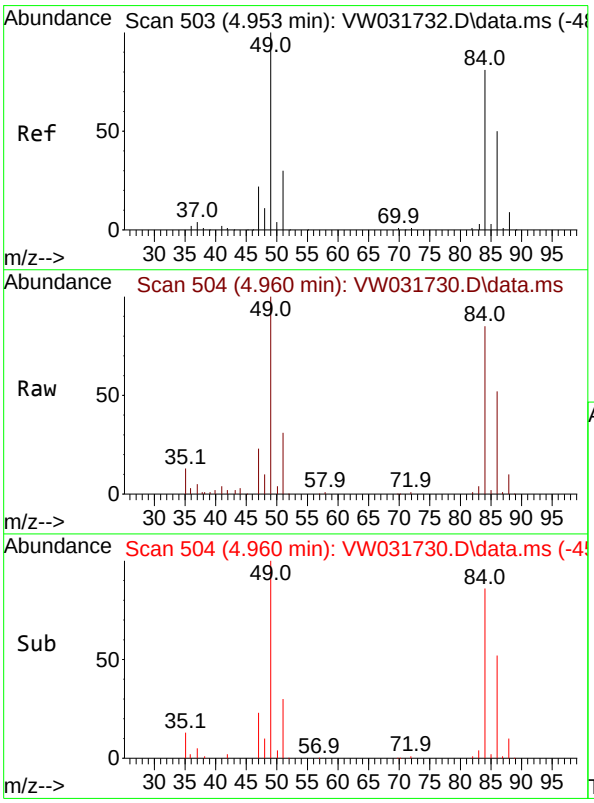
#19
Methyl tert-butyl Ether
Concen: 10.069 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 44040

Ion	Ratio	Lower	Upper
73	100		
57	19.3	17.2	25.8

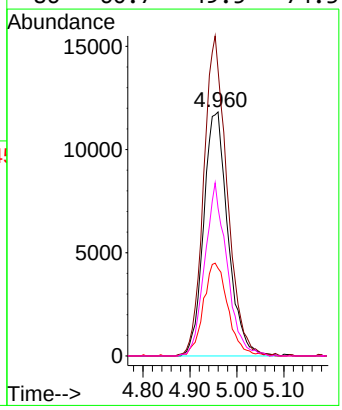


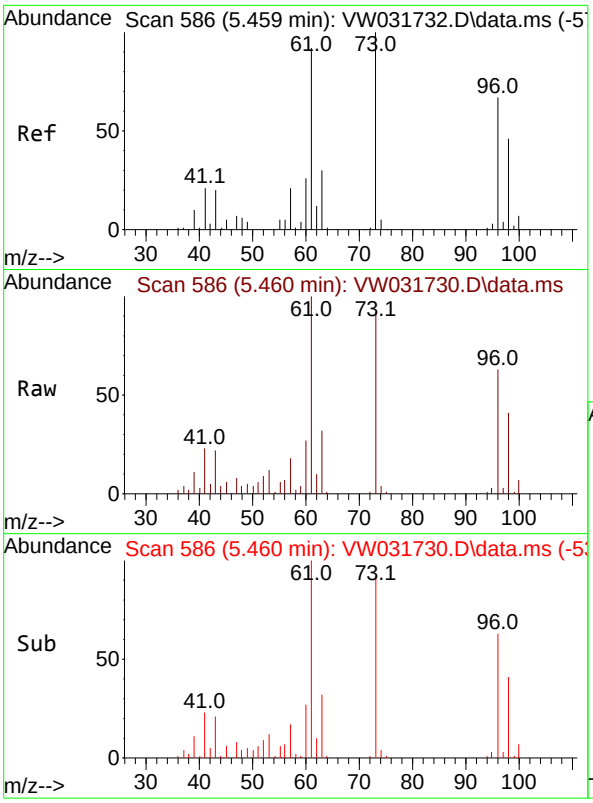


#20
Methylene Chloride
Concen: 10.166 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 84 Resp: 42368

Ion	Ratio	Lower	Upper
84	100		
49	117.0	98.2	147.4
51	35.9	29.8	44.8
86	60.7	49.5	74.3



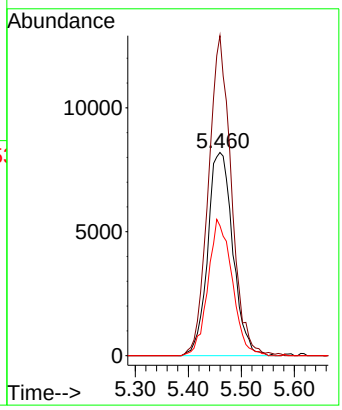


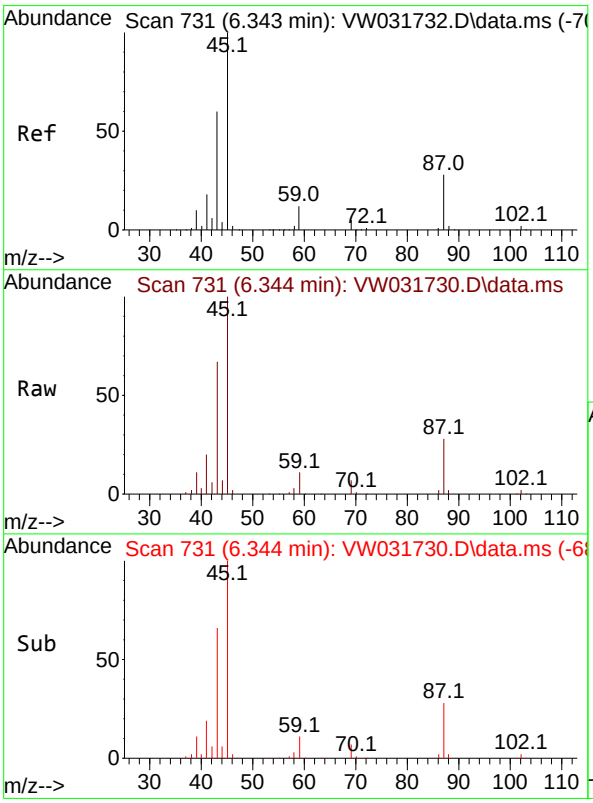
#21
trans-1,2-Dichloroethene
Concen: 9.844 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 26955

Ion	Ratio	Lower	Upper
96	100		
61	157.5	109.8	164.6
98	64.0	54.9	82.3

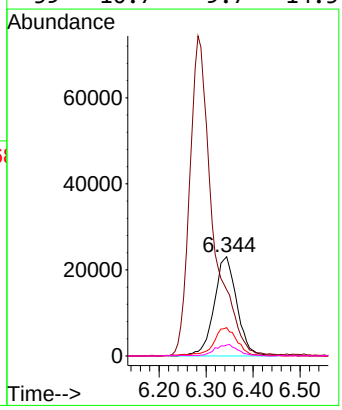


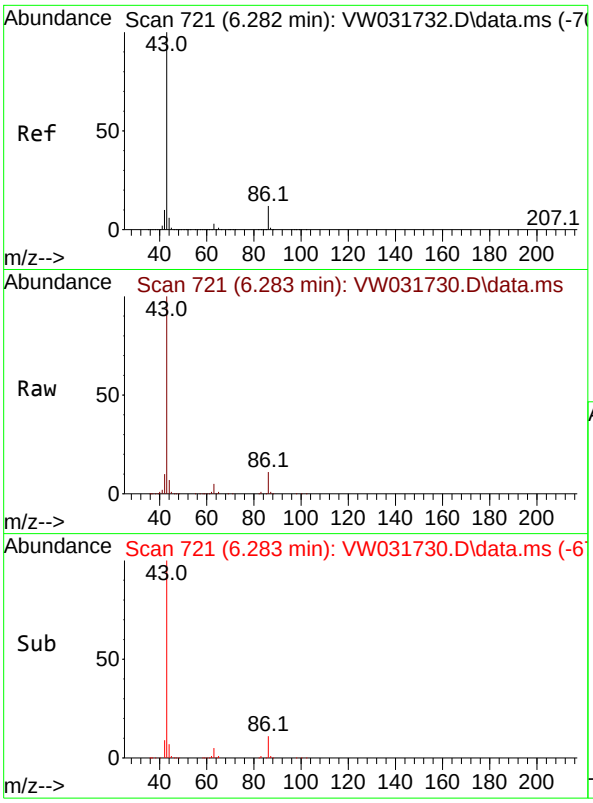


#22
Diisopropyl ether
Concen: 10.045 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 45 Resp: 77462

Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.3	72.5
87	28.0	22.6	34.0
59	10.7	9.7	14.5



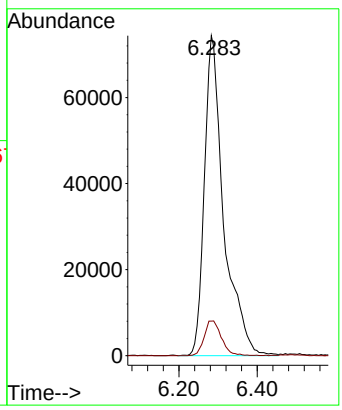


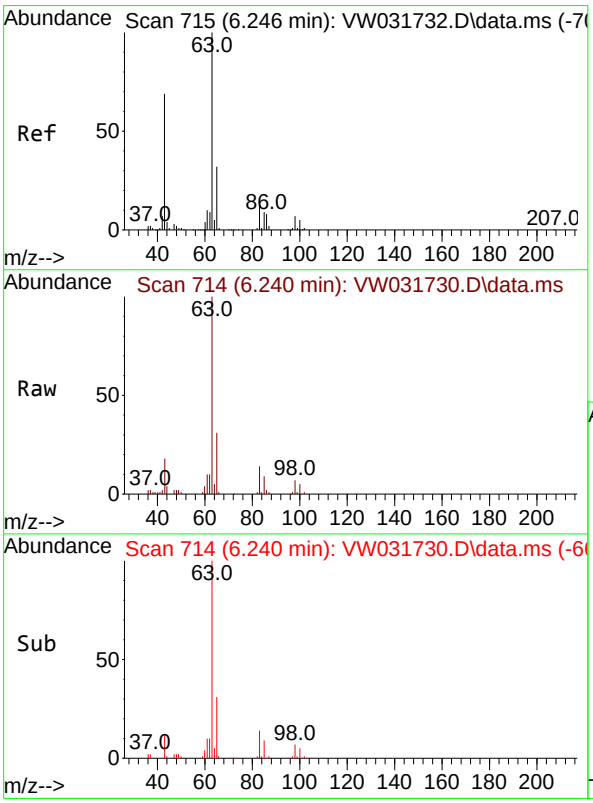
#23
Vinyl Acetate
Concen: 48.380 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 254825

Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.2	13.8

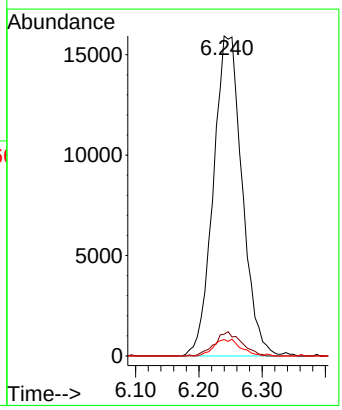


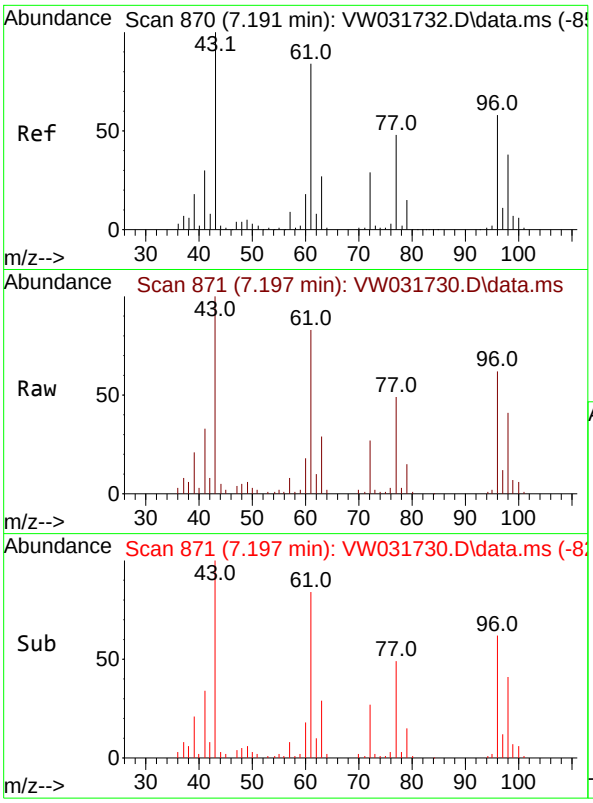


#24
1,1-Dichloroethane
Concen: 10.061 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 63 Resp: 50299

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	5.1	2.5	7.5



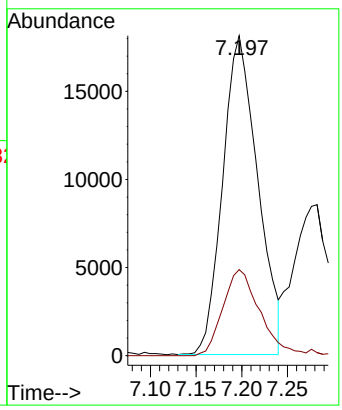


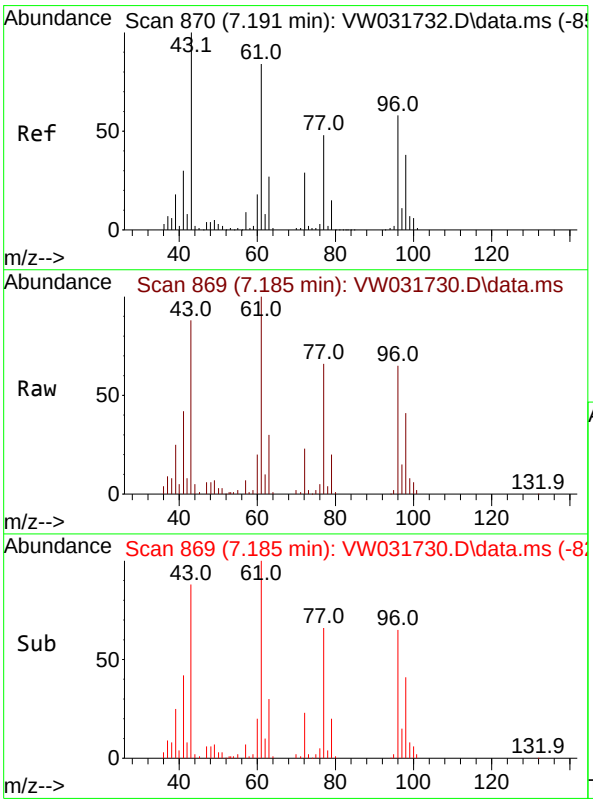
#25
2-Butanone
Concen: 48.435 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 48340

Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.0	34.6

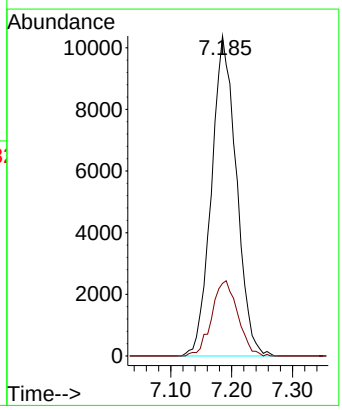


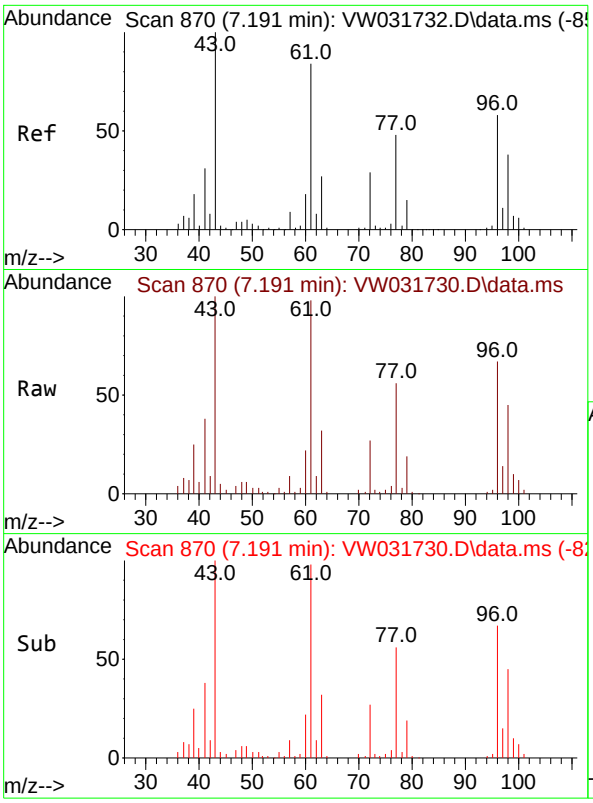


#26
2,2-Dichloropropane
Concen: 10.130 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 77 Resp: 29549

Ion	Ratio	Lower	Upper
77	100		
97	24.5	11.6	34.7



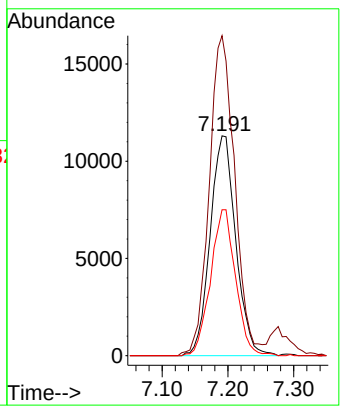


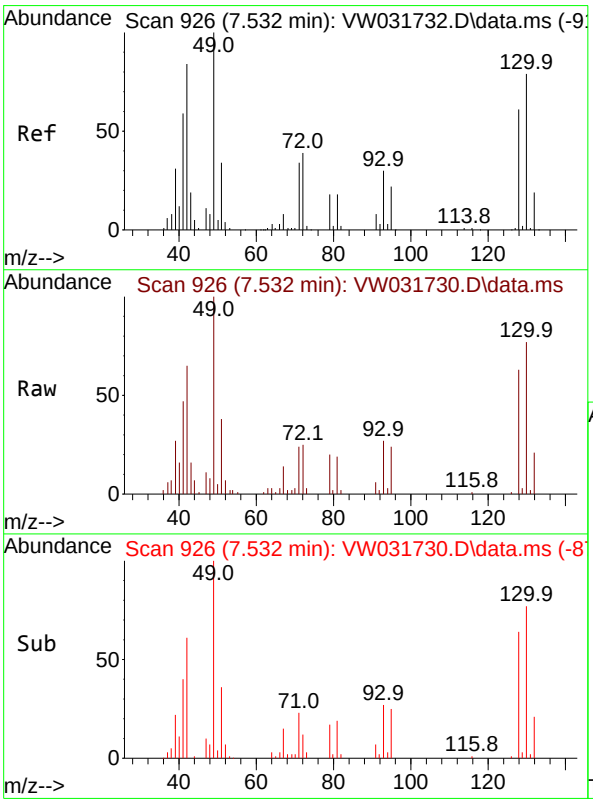
#27
cis-1,2-Dichloroethene
Concen: 9.749 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 30687

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	286.8
98	64.8	0.0	130.4

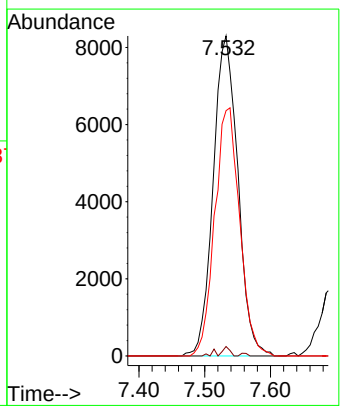


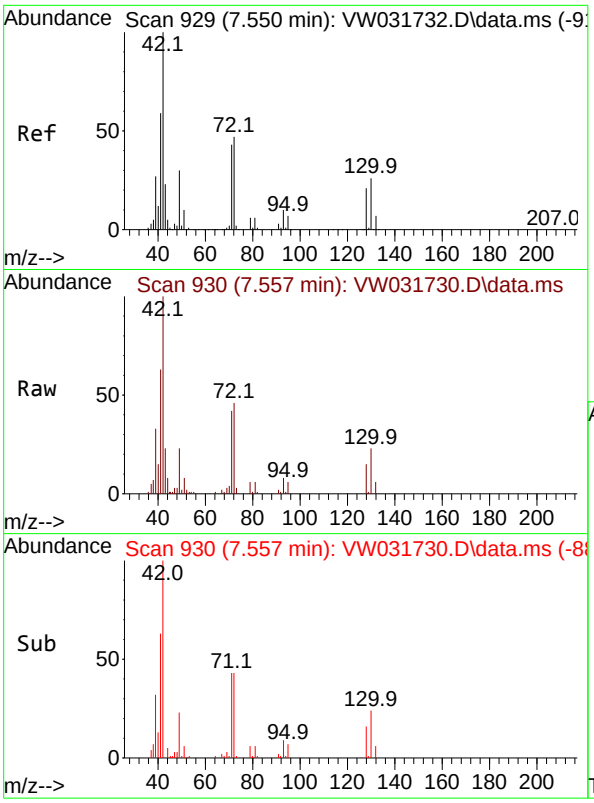


#28
Bromochloromethane
Concen: 9.815 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 49 Resp: 21655

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	78.5	61.3	91.9



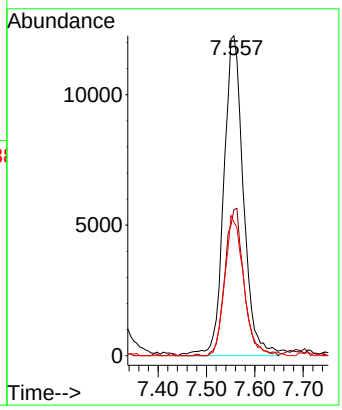


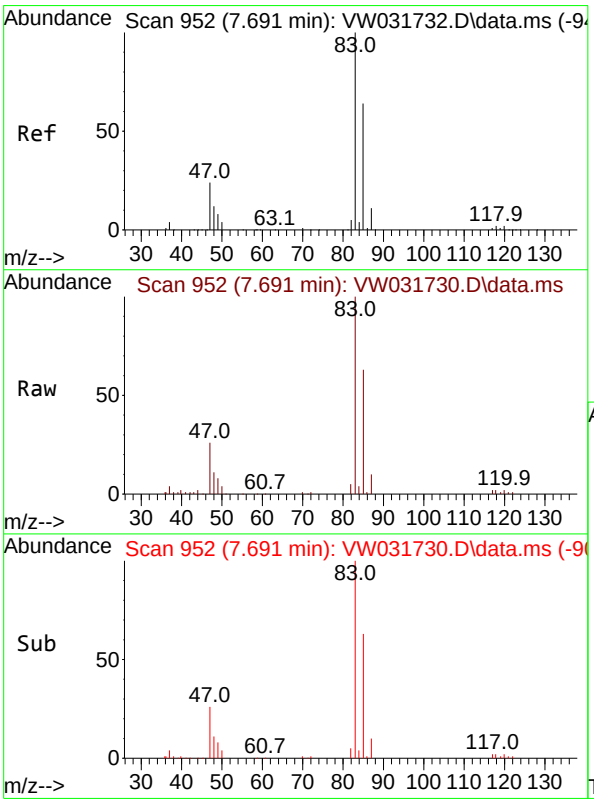
#29
Tetrahydrofuran
Concen: 50.617 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 34596

Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.8	55.2
71	42.1	34.6	52.0

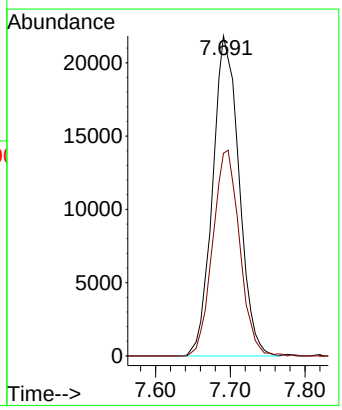


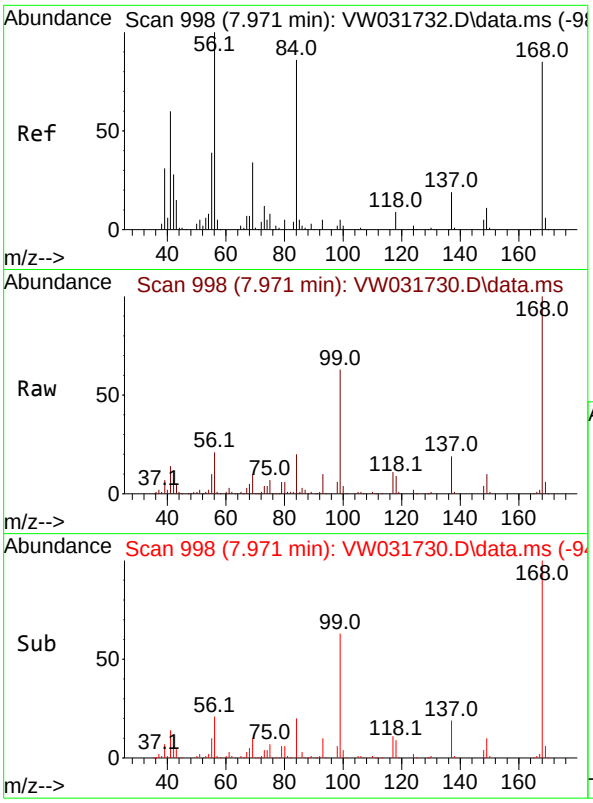


#30
Chloroform
Concen: 10.090 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 83 Resp: 53600

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.0



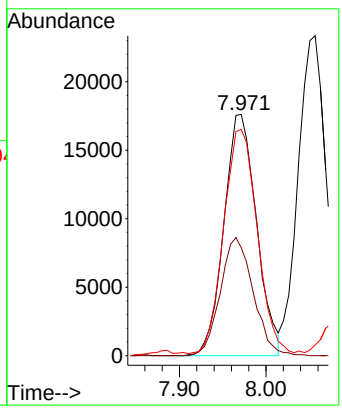


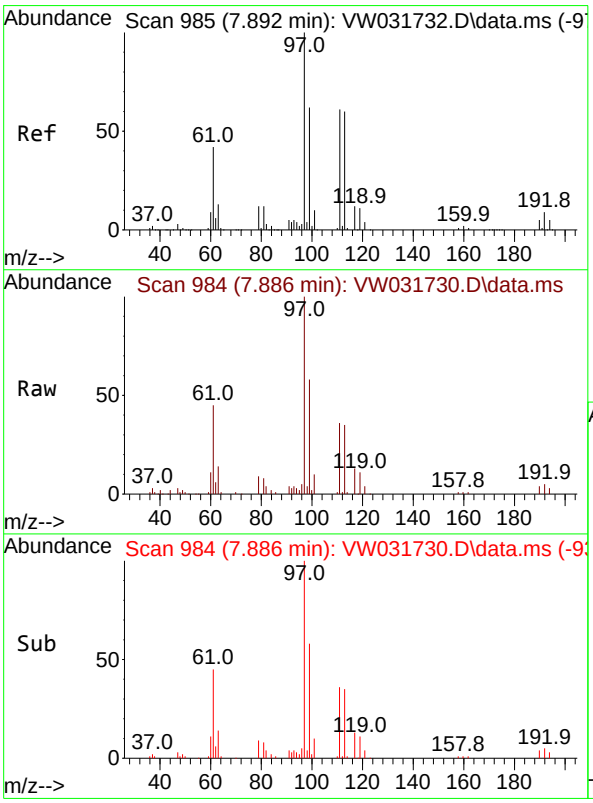
#31
Cyclohexane
Concen: 10.427 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 46081

Ion	Ratio	Lower	Upper
56	100		
69	44.8	27.2	40.8#
84	92.8	68.5	102.7

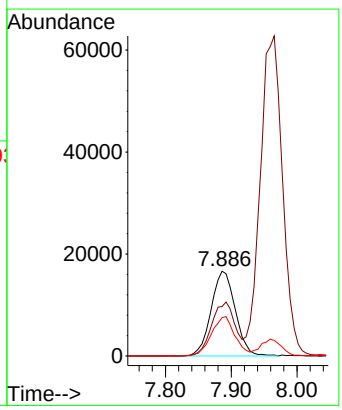


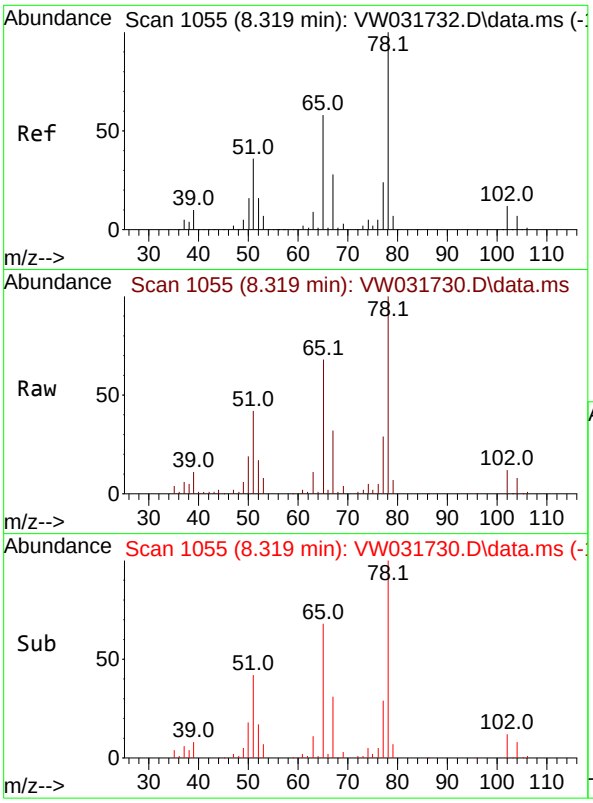


#32
1,1,1-Trichloroethane
Concen: 10.389 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 97 Resp: 42532

Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.0	76.6
61	45.2	36.0	54.0



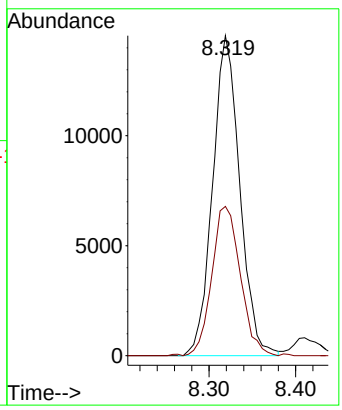


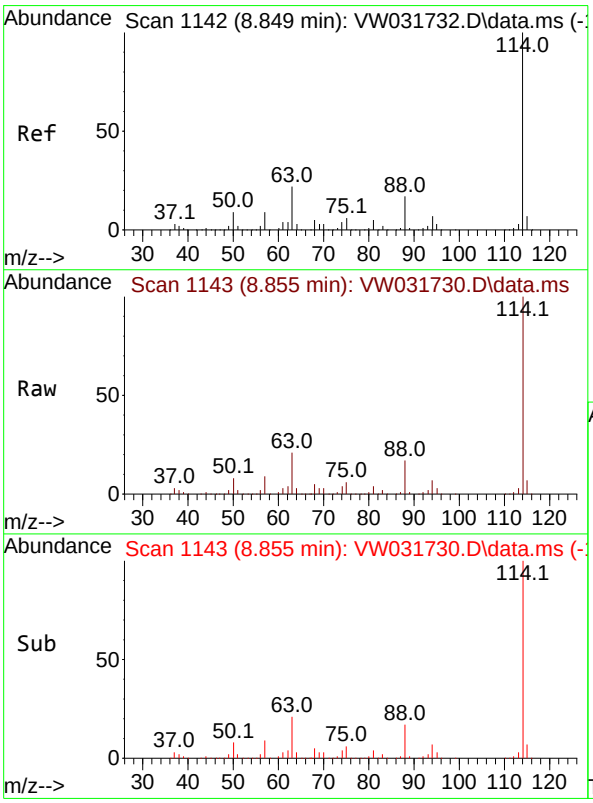
#33
1,2-Dichloroethane-d4
Concen: 10.201 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 31661

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.4

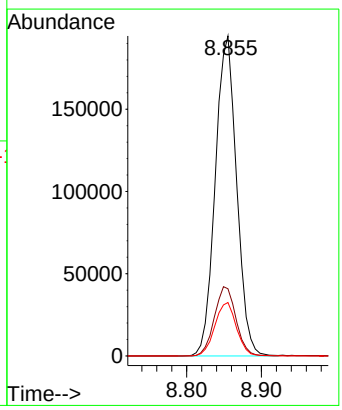


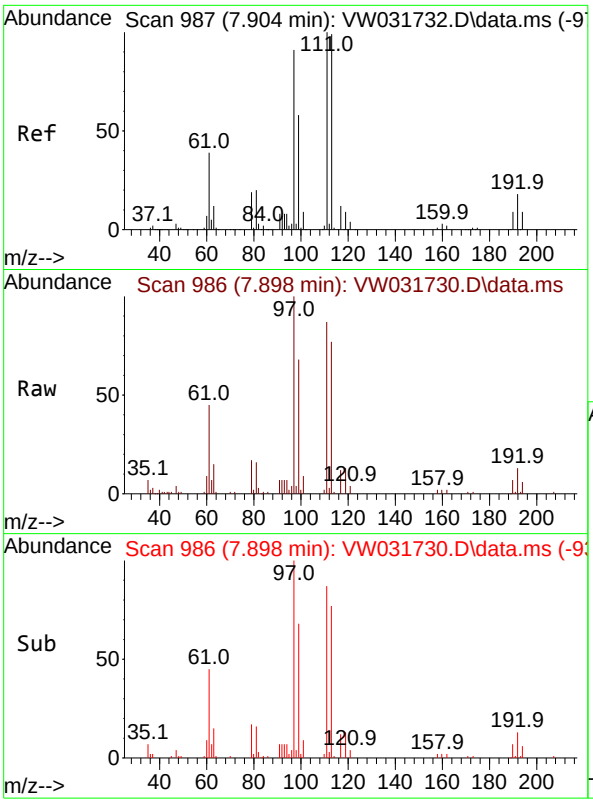


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:114 Resp: 387016

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.6
88	16.7	0.0	34.2



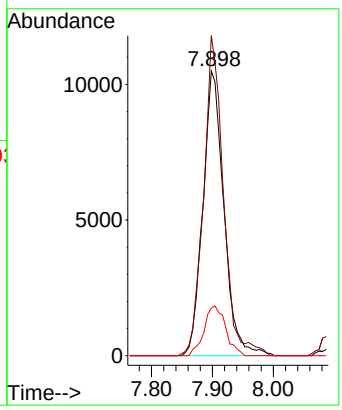


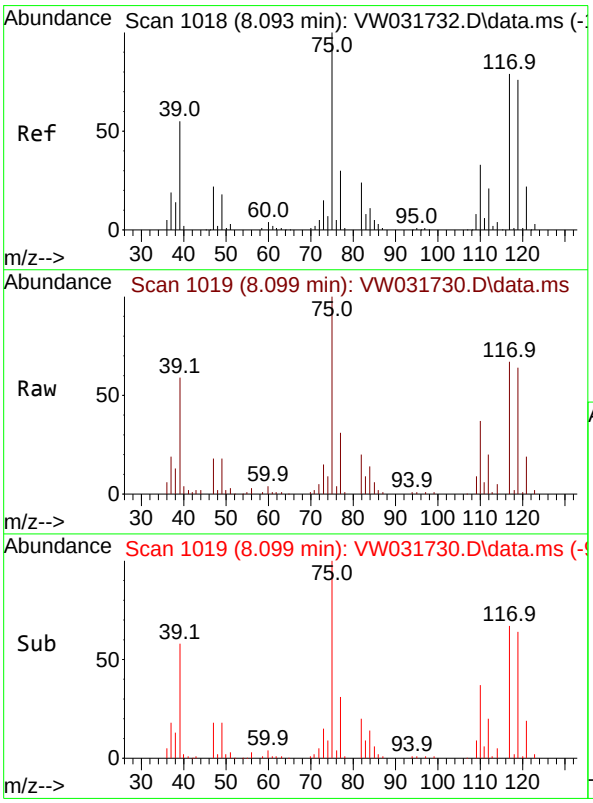
#35
Dibromofluoromethane
Concen: 9.942 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 25109

Ion	Ratio	Lower	Upper
113	100		
111	106.6	82.1	123.1
192	17.9	13.8	20.6

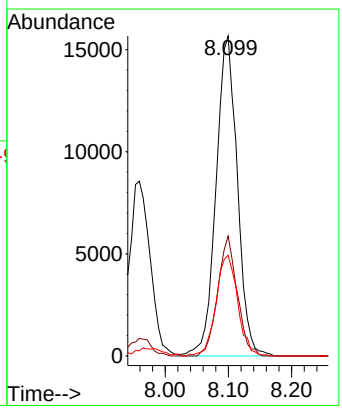


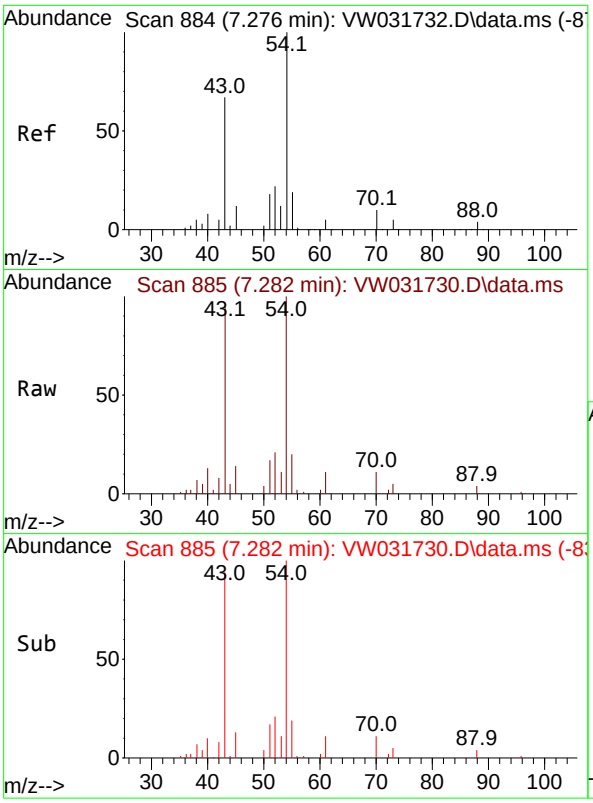


#36
1,1-Dichloropropene
Concen: 10.021 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 36621

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.9	25.0	37.6



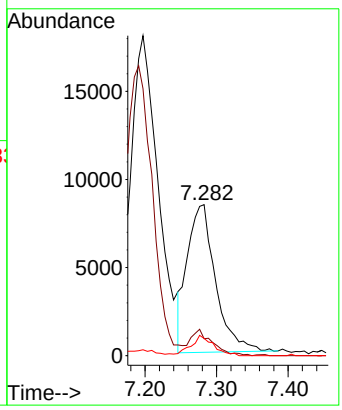


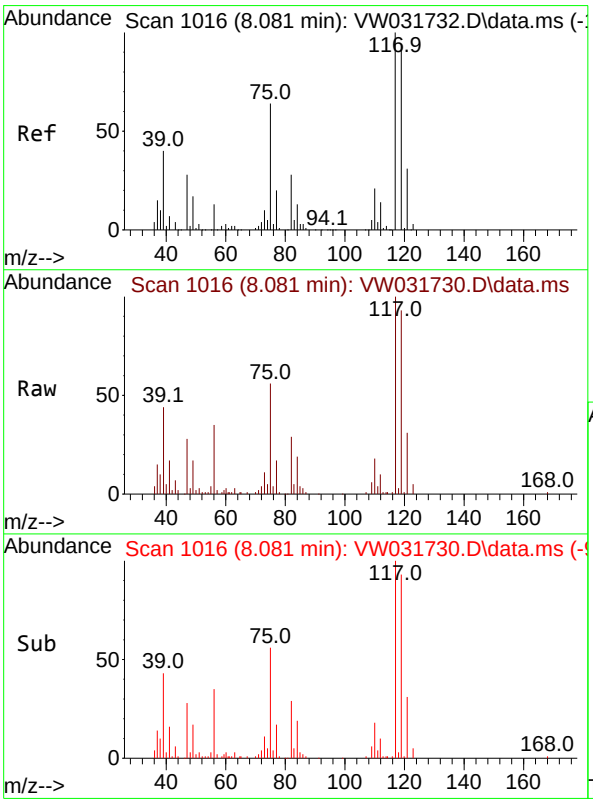
#37
Ethyl Acetate
Concen: 10.032 ug/l
RT: 7.282 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 23126

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.8	9.2	13.8

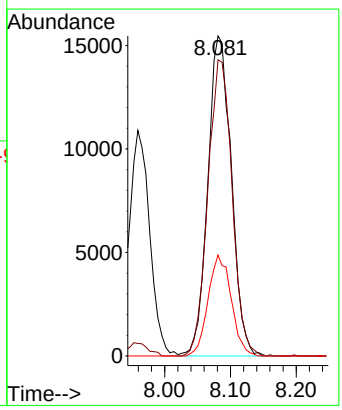


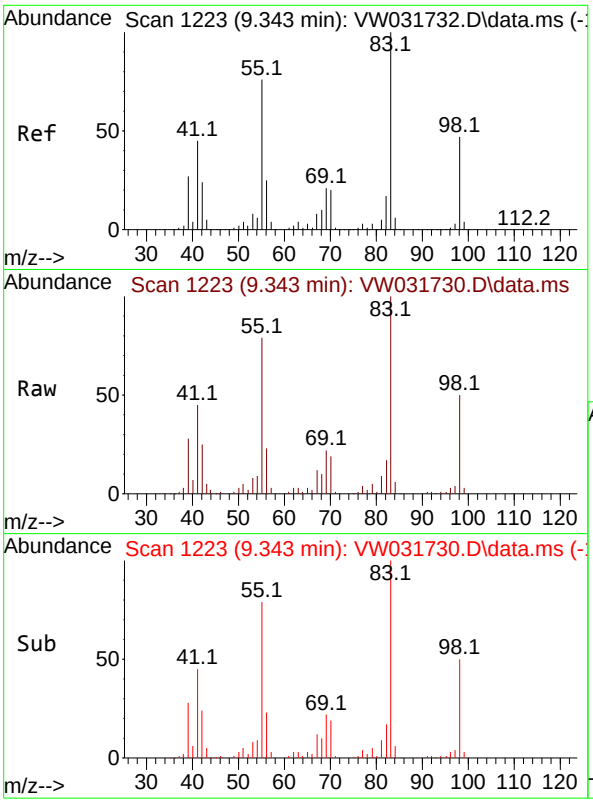


#38
Carbon Tetrachloride
Concen: 10.347 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:117 Resp: 38531

Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.0	112.6
121	31.5	24.6	37.0



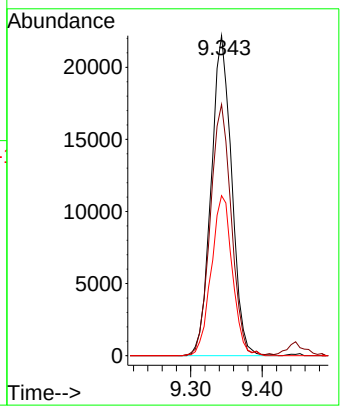


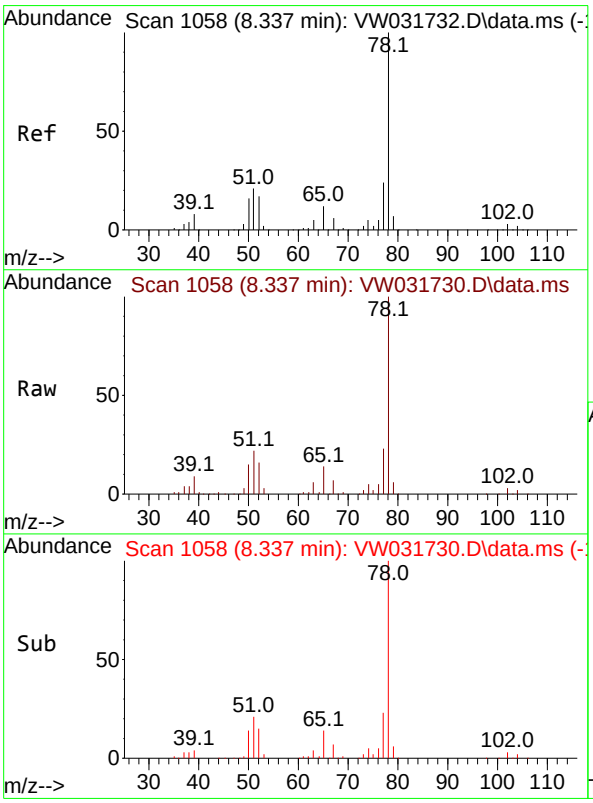
#39
Methylcyclohexane
Concen: 9.715 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 44170

Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	50.0	37.9	56.9

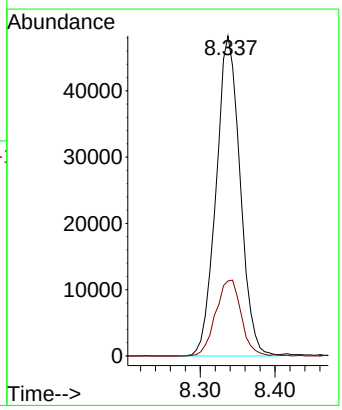


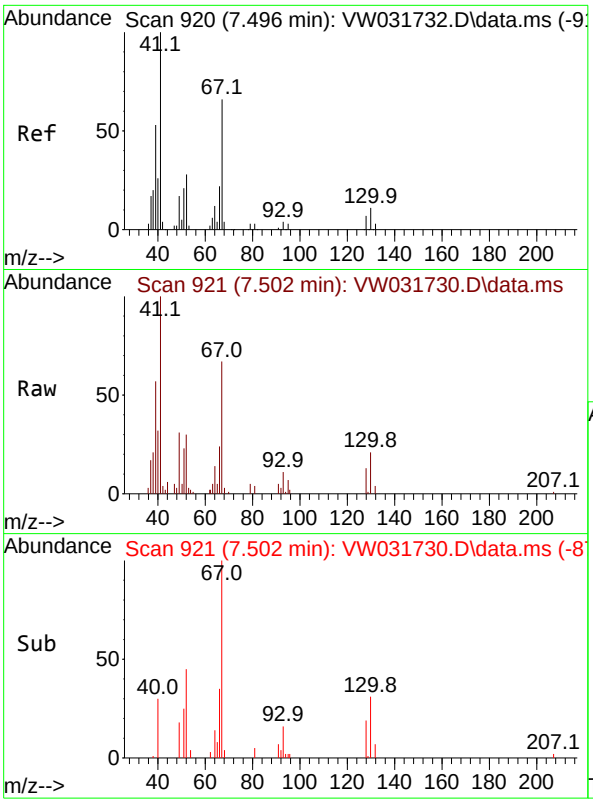


#40
Benzene
Concen: 9.977 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 78 Resp: 107869

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8



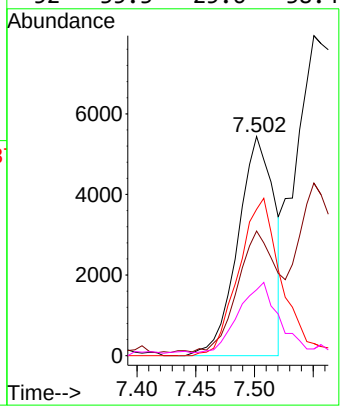


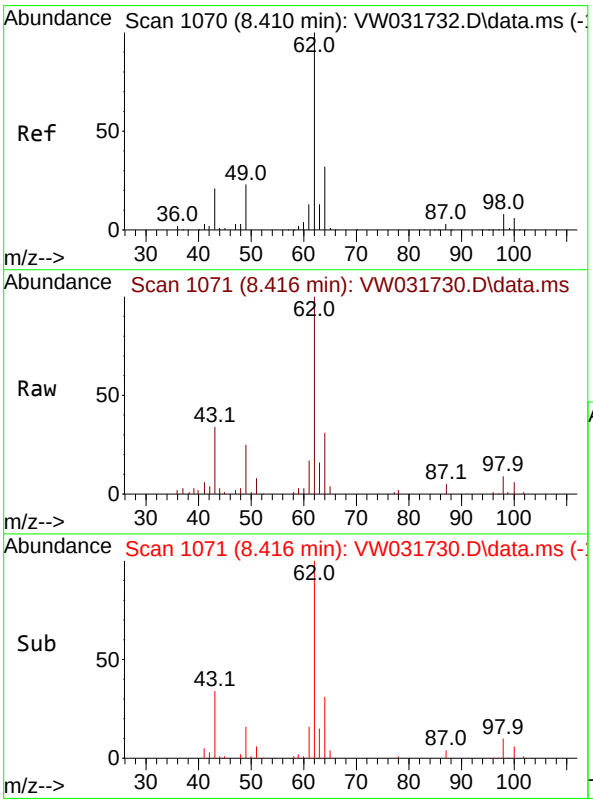
#41
Methacrylonitrile
Concen: 9.485 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 11713

Ion	Ratio	Lower	Upper
41	100		
39	62.2	43.2	64.8
67	86.5	58.1	87.1
52	35.3	25.6	38.4

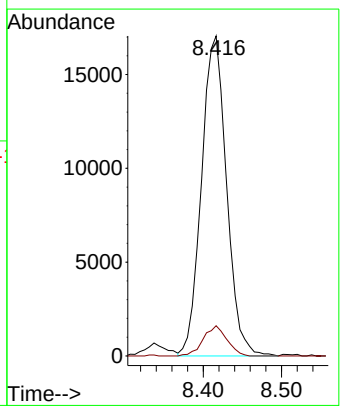


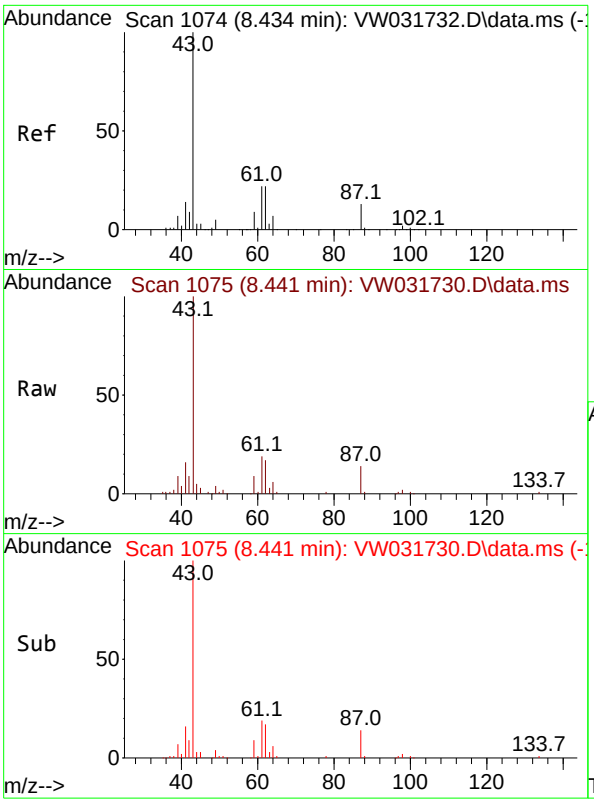


#42
1,2-Dichloroethane
Concen: 10.390 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 62 Resp: 37957

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



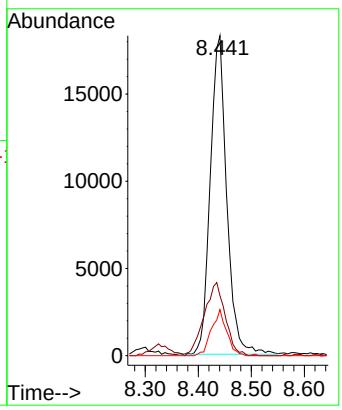


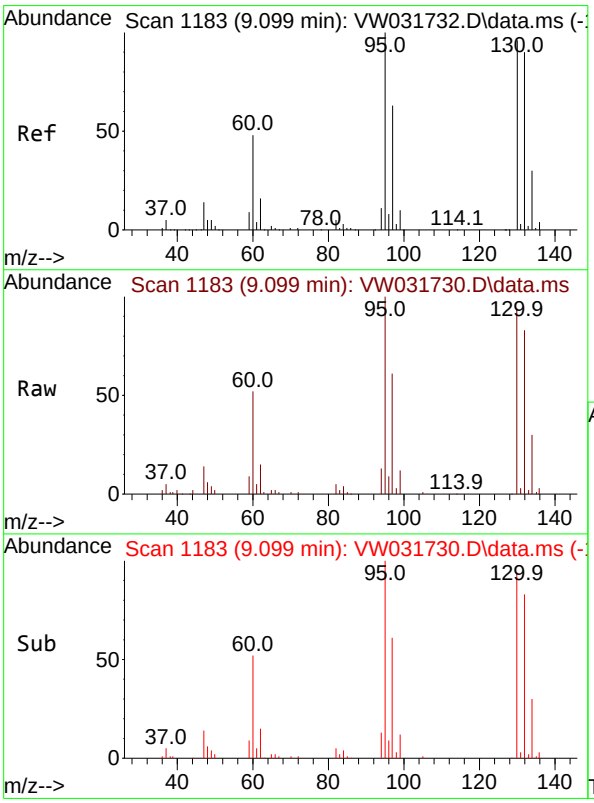
#43
Isopropyl Acetate
Concen: 9.913 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 39393

Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.1	34.7
87	13.4	10.8	16.2

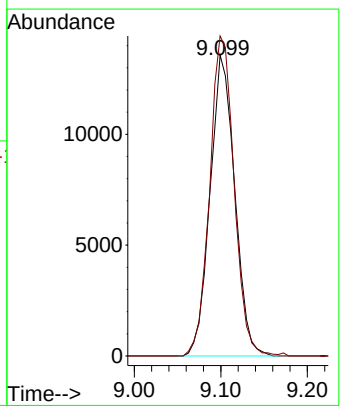


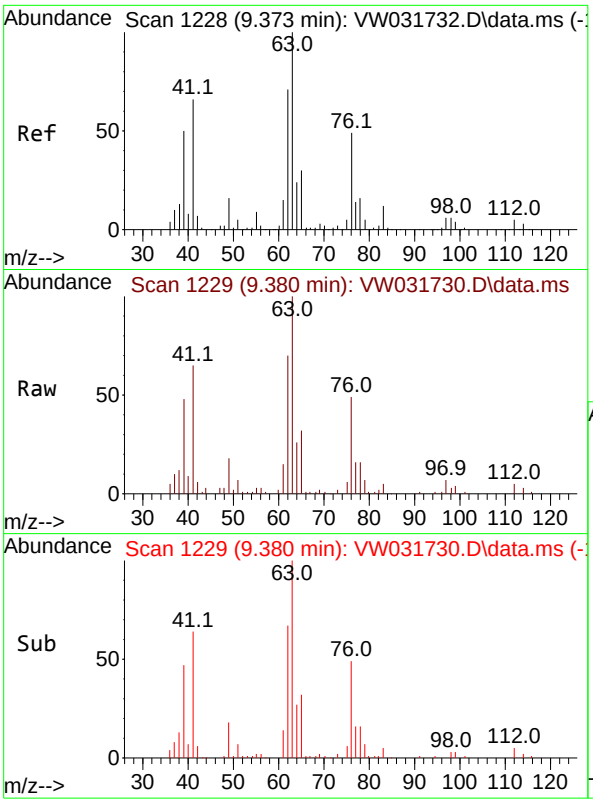


#44
Trichloroethene
Concen: 9.927 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:130 Resp: 26788

Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	208.6



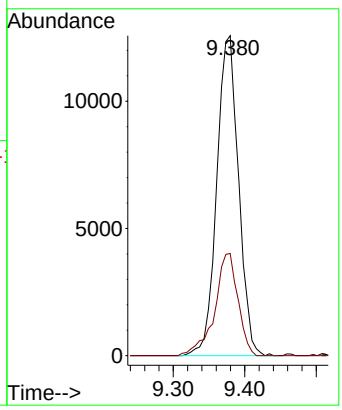


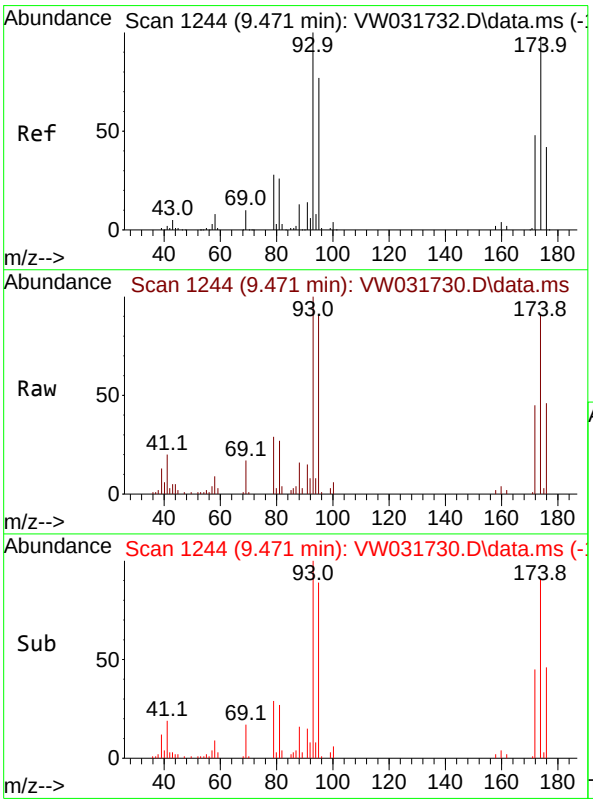
#45
1,2-Dichloropropane
Concen: 10.181 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 26605

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.4

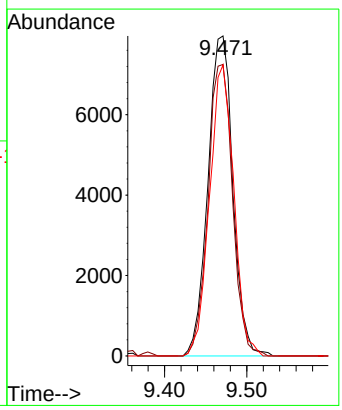


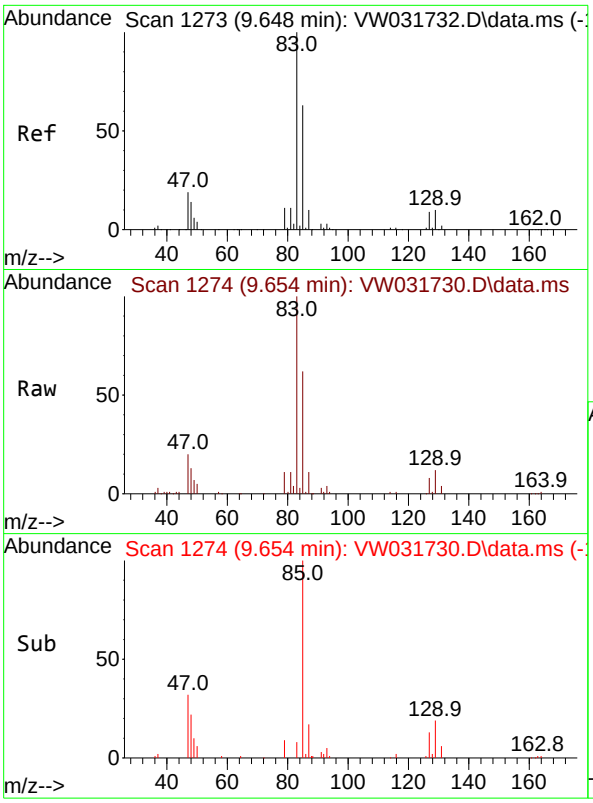


#46
Dibromomethane
Concen: 9.969 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 93 Resp: 16818

Ion	Ratio	Lower	Upper
93	100		
95	89.3	67.0	100.4
174	87.9	71.7	107.5



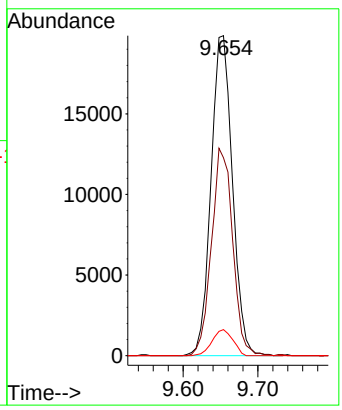


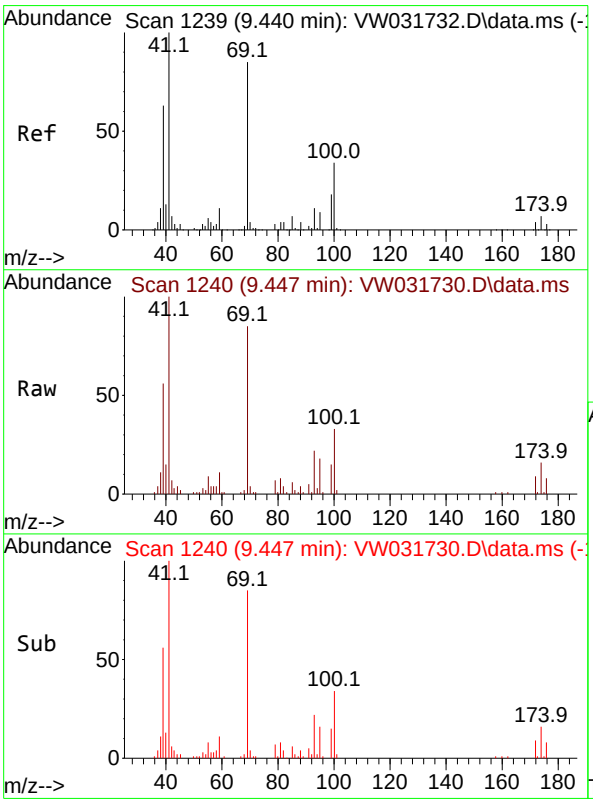
#47
Bromodichloromethane
Concen: 10.009 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 39595

Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.8	76.2
127	8.2	6.8	10.2

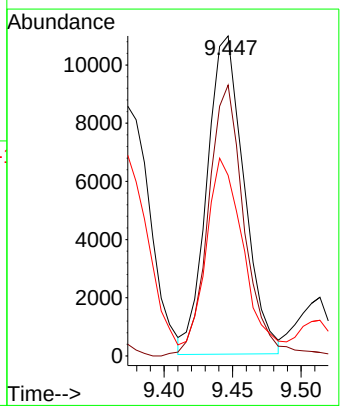


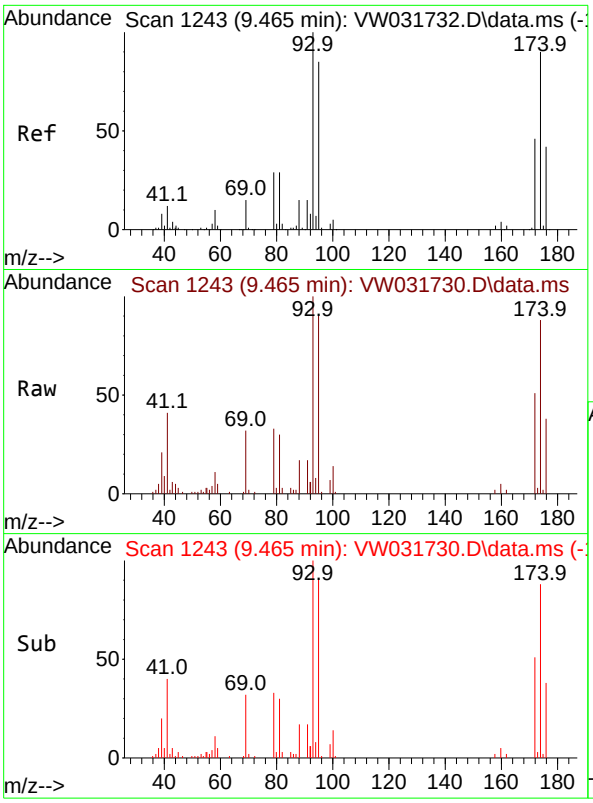


#48
Methyl methacrylate
Concen: 10.549 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 41 Resp: 20612

Ion	Ratio	Lower	Upper
41	100		
69	82.8	71.6	107.4
39	62.0	49.5	74.3



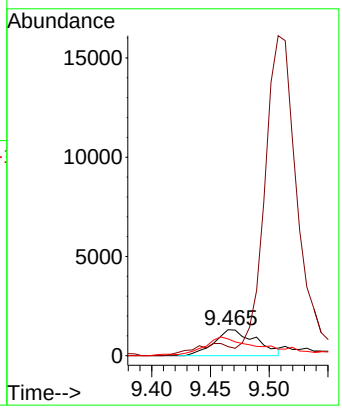


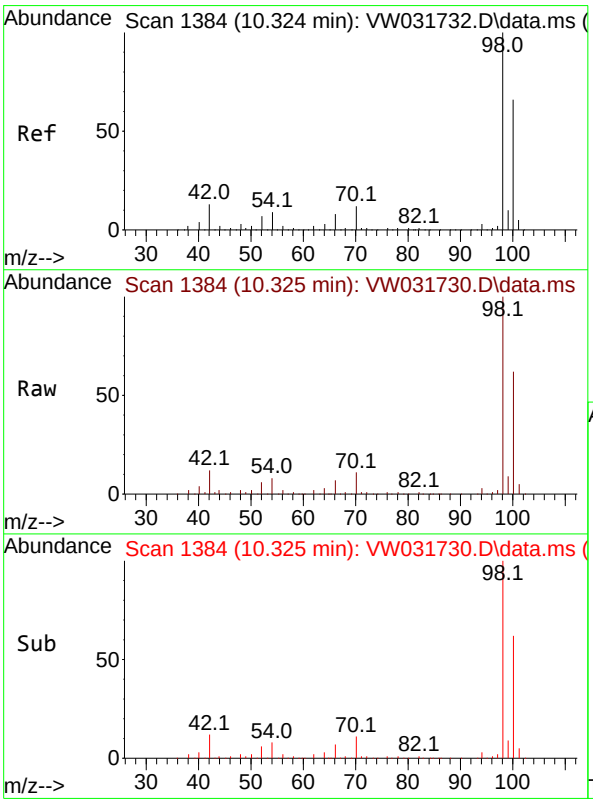
#49
1,4-Dioxane
Concen: 182.013 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3269

Ion	Ratio	Lower	Upper
88	100		
43	41.6	0.0	0.0#
58	100.5	58.3	87.5#

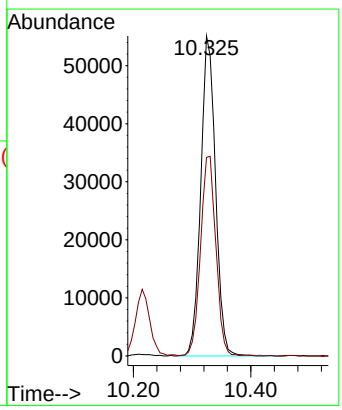


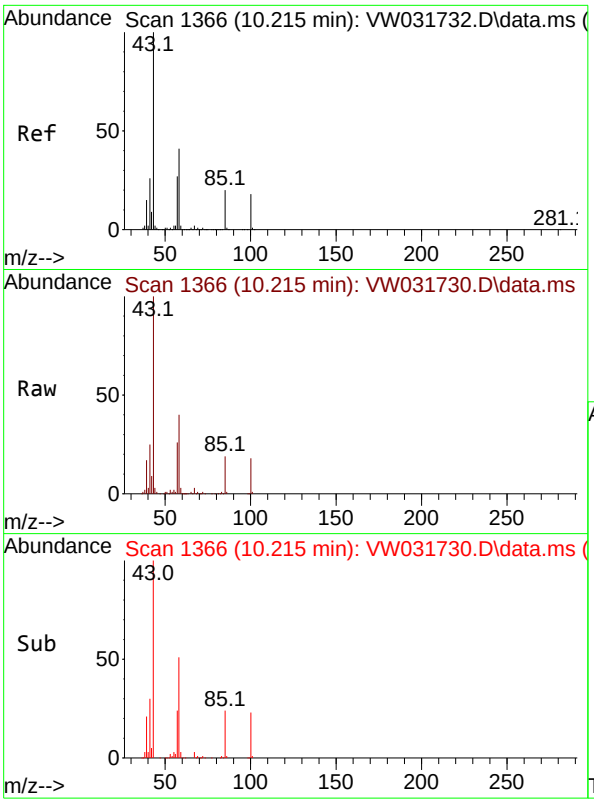


#50
Toluene-d8
Concen: 10.251 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 98 Resp: 96344

Ion	Ratio	Lower	Upper
98	100		
100	64.3	53.0	79.4



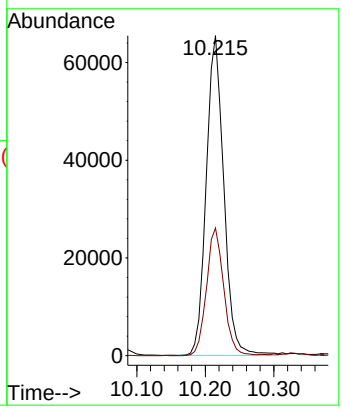


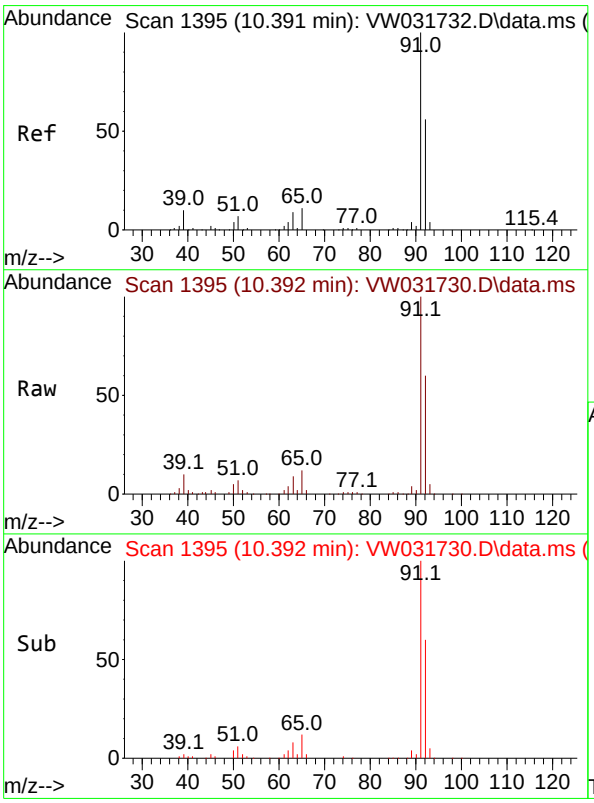
#51
4-Methyl-2-Pentanone
Concen: 51.050 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 116628

Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.2

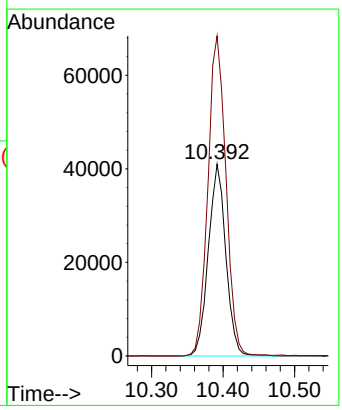


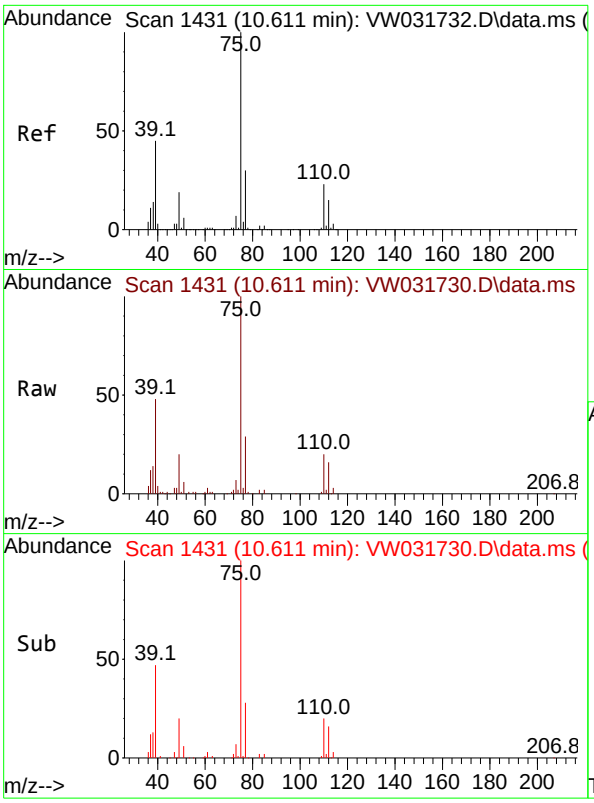


#52
Toluene
Concen: 10.041 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 92 Resp: 69506

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.5	209.3



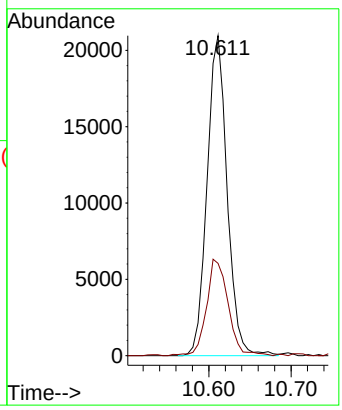


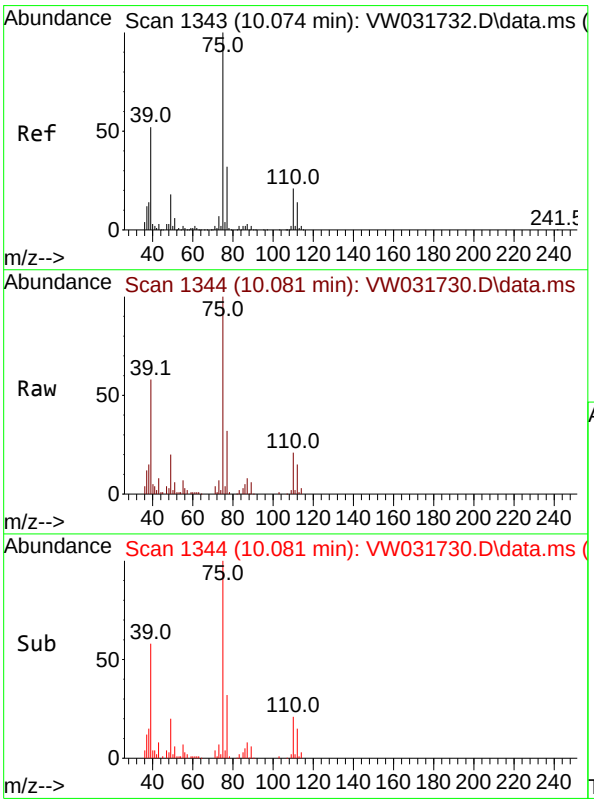
#53
t-1,3-Dichloropropene
Concen: 9.585 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 35578

Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.3	36.5

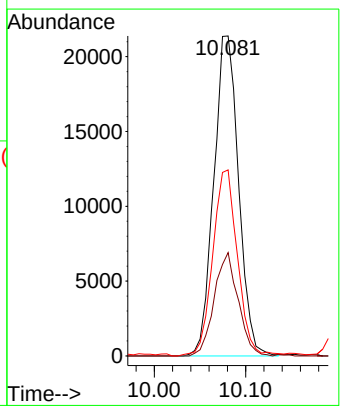


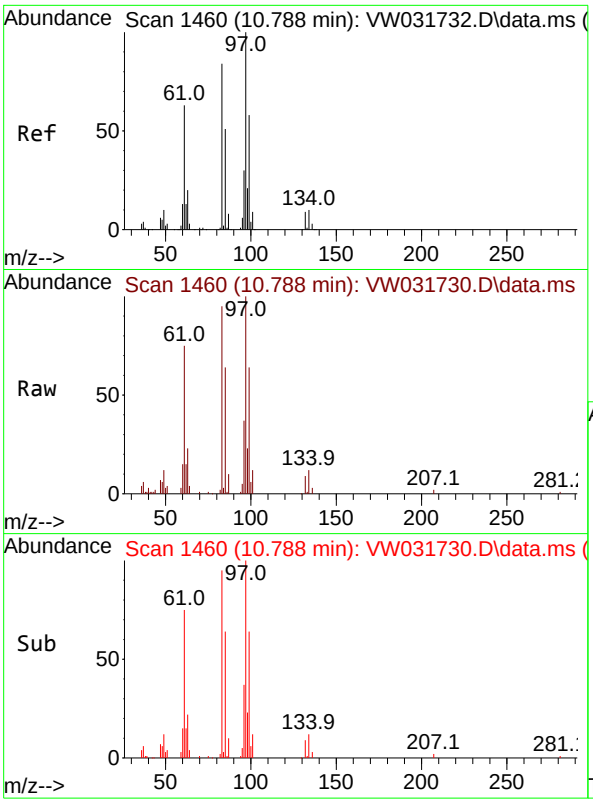


#54
cis-1,3-Dichloropropene
Concen: 9.588 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 40343

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2
39	58.2	41.8	62.6



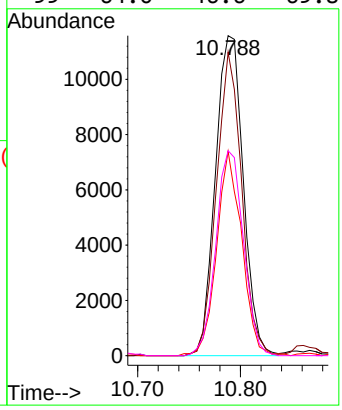


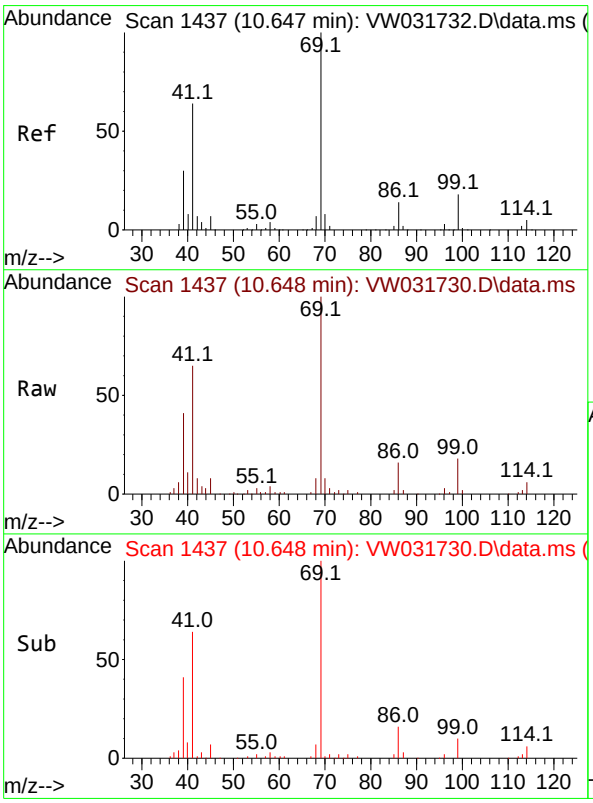
#55
1,1,2-Trichloroethane
Concen: 9.872 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 21816

Ion	Ratio	Lower	Upper
97	100		
83	94.8	66.9	100.3
85	63.9	41.1	61.7#
99	64.0	46.6	69.8

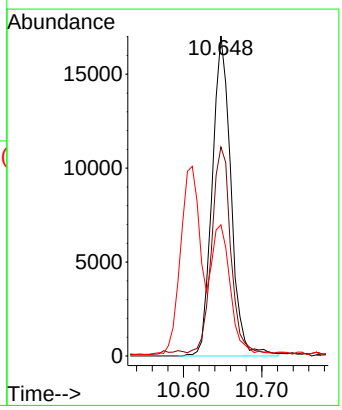


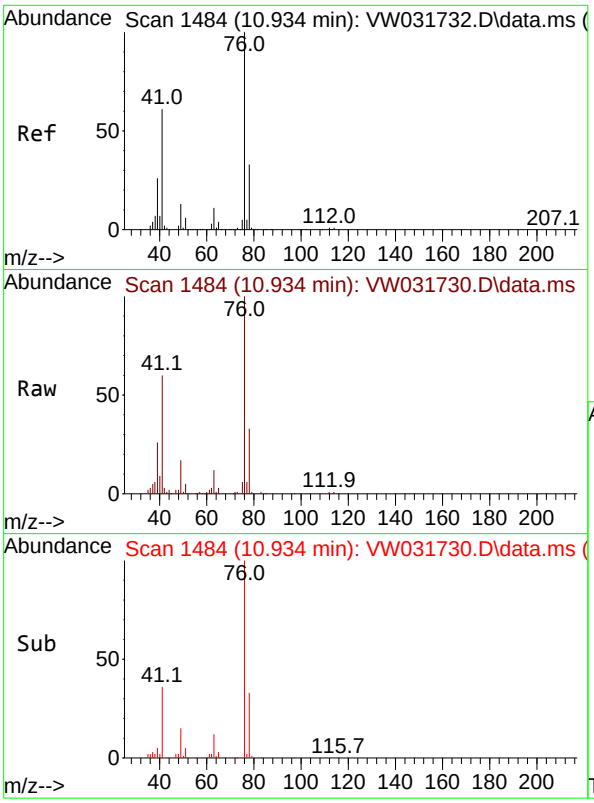


#56
Ethyl methacrylate
Concen: 9.445 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 69 Resp: 28317

Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.3	79.9
39	39.5	30.2	45.2



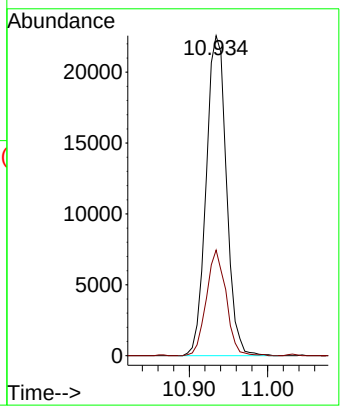


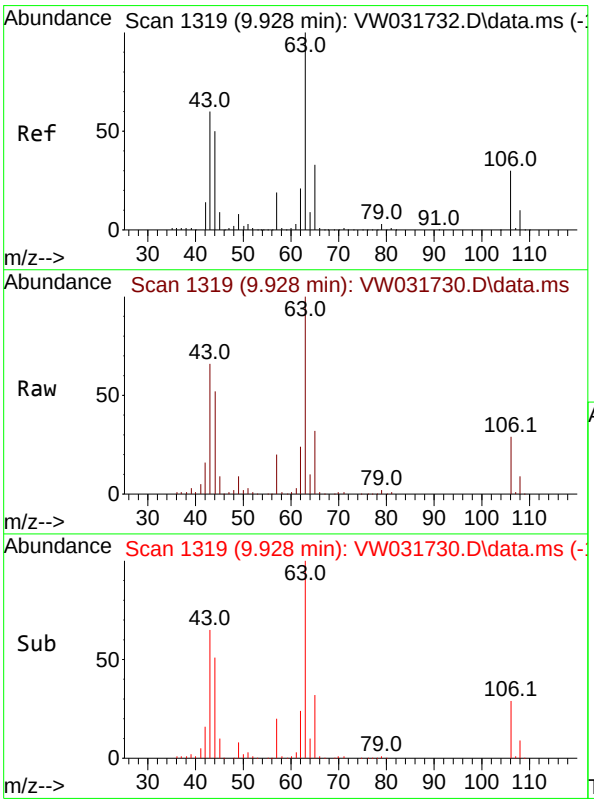
#57
1,3-Dichloropropane
Concen: 10.446 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 40528

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

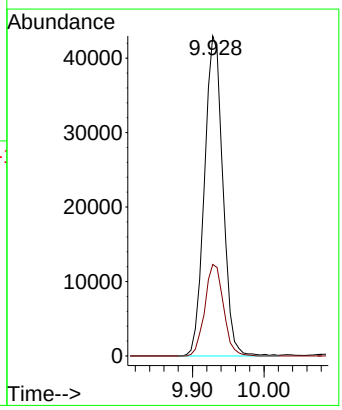


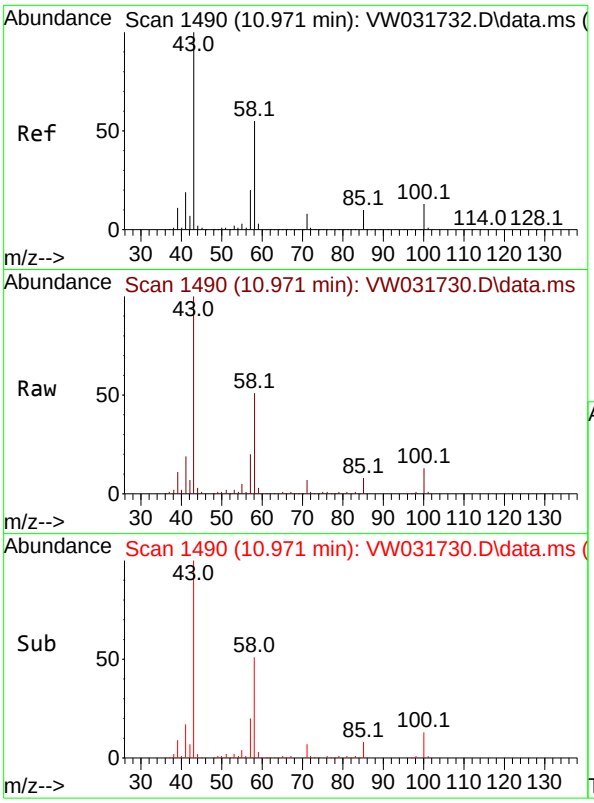


#58
2-Chloroethyl Vinyl ether
Concen: 46.578 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 63 Resp: 76896

Ion	Ratio	Lower	Upper
63	100		
106	28.9	24.1	36.1



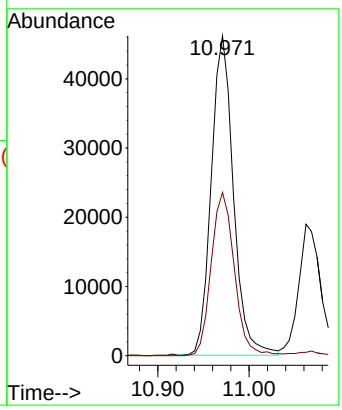


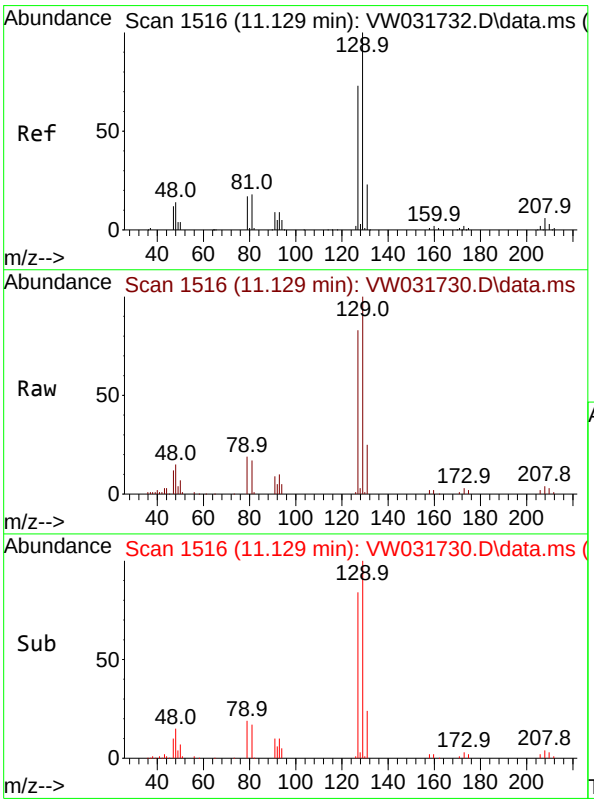
#59
2-Hexanone
Concen: 50.260 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 77810

Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.9	83.6

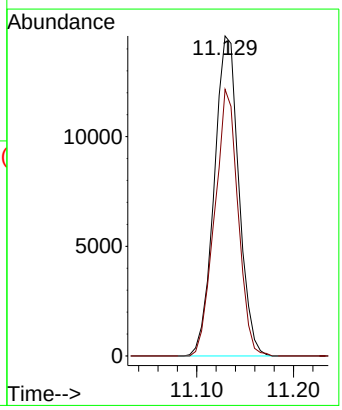


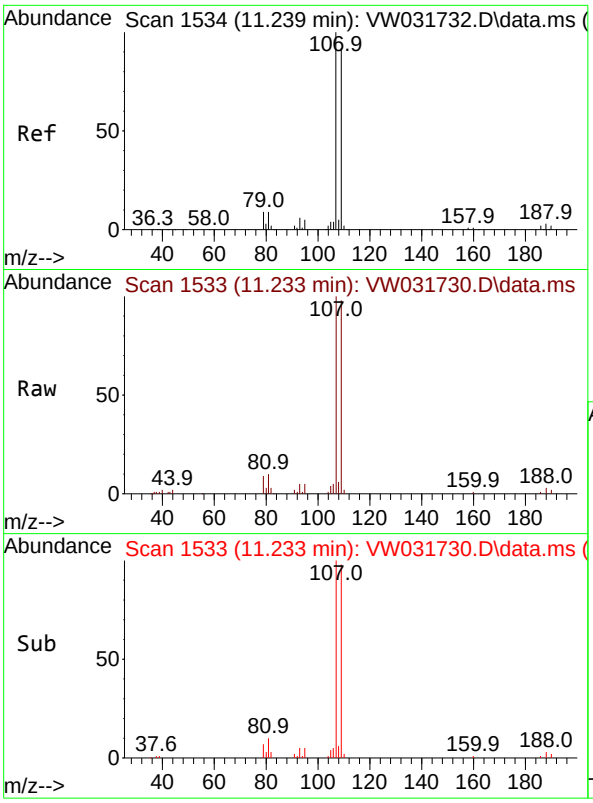


#60
Dibromochloromethane
Concen: 9.738 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:129 Resp: 25734

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.0	114.1



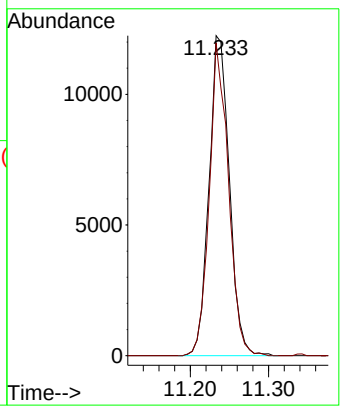


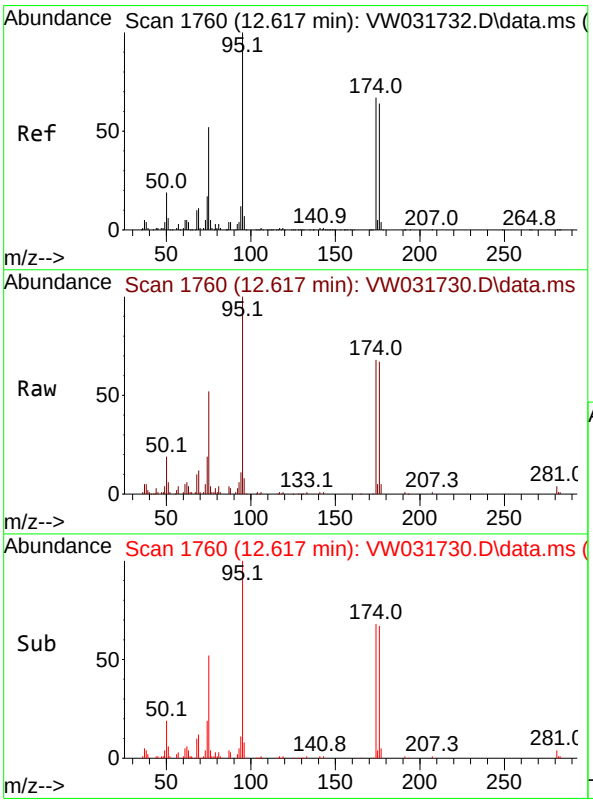
#61
1,2-Dibromoethane
Concen: 9.981 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 22082

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.9	110.9

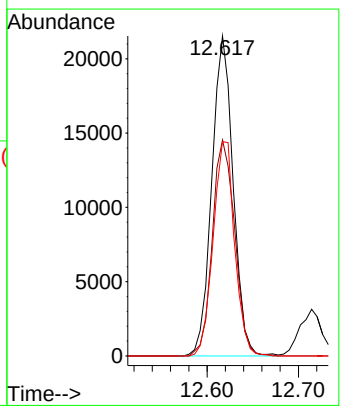


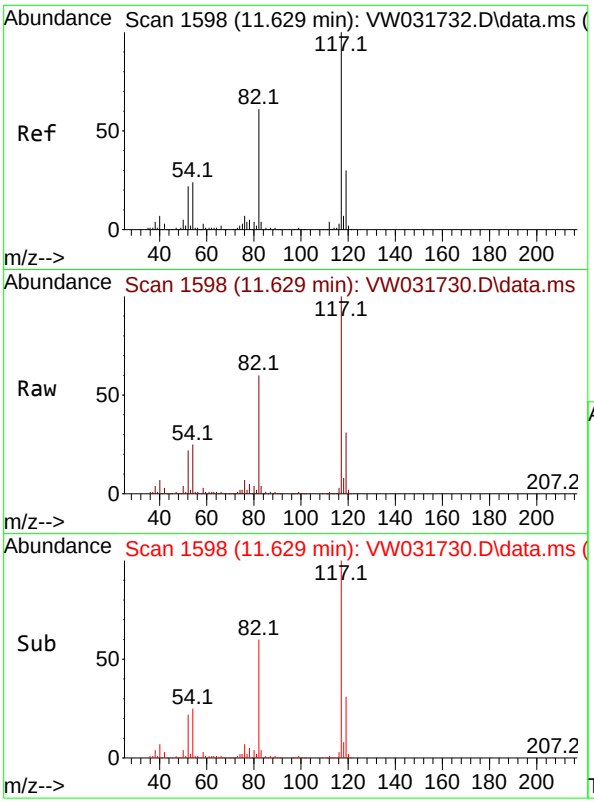


#62
4-Bromofluorobenzene
Concen: 10.105 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 95 Resp: 34948

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	133.8
176	67.6	0.0	126.0



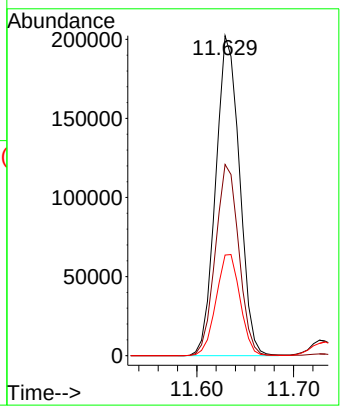


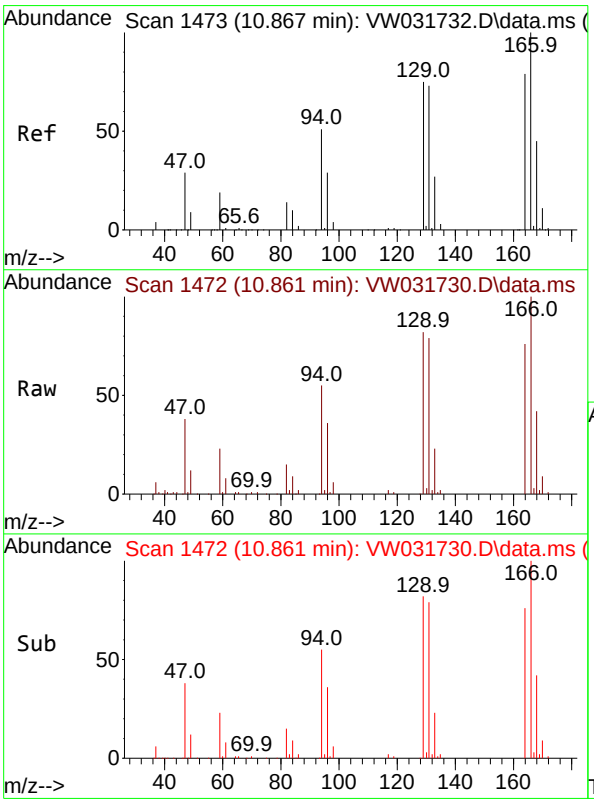
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 345396

Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.6	72.8
119	31.5	23.9	35.9

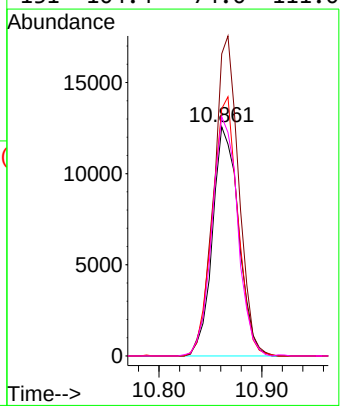


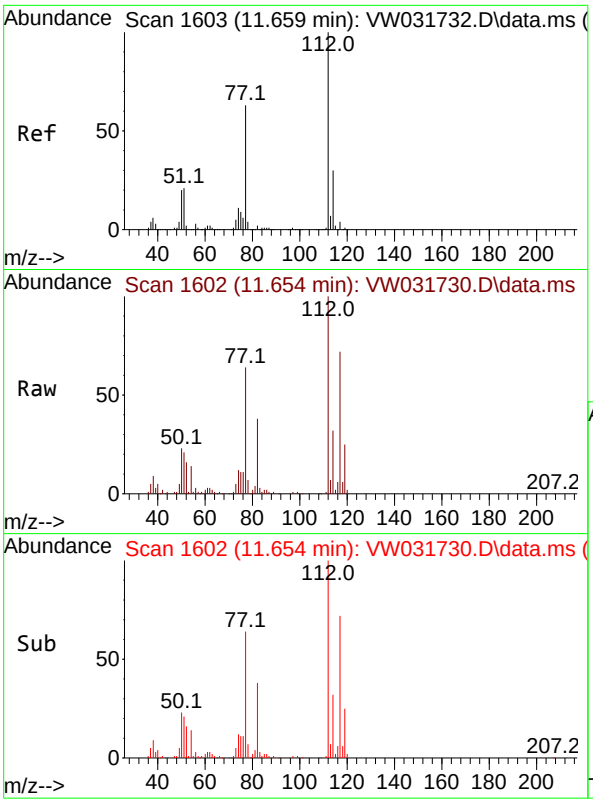


#64
Tetrachloroethene
Concen: 9.801 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:164 Resp: 22144

Ion	Ratio	Lower	Upper
164	100		
166	131.9	100.7	151.1
129	107.9	75.4	113.0
131	104.4	74.0	111.0



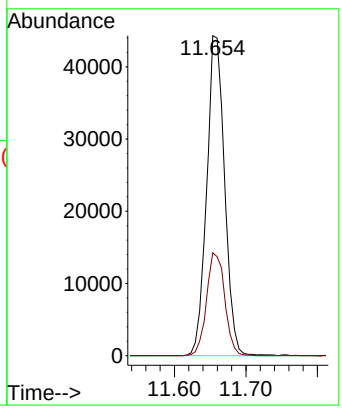


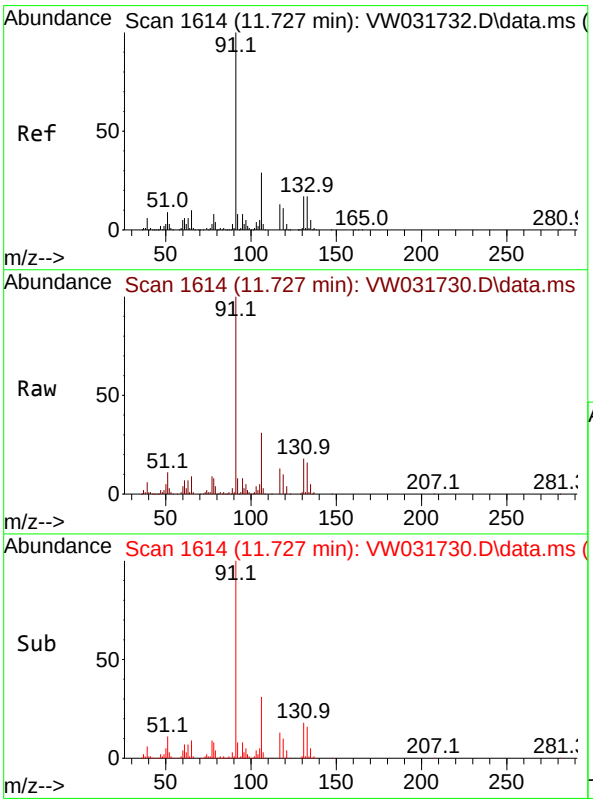
#65
Chlorobenzene
Concen: 10.113 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 77068

Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.8	35.8

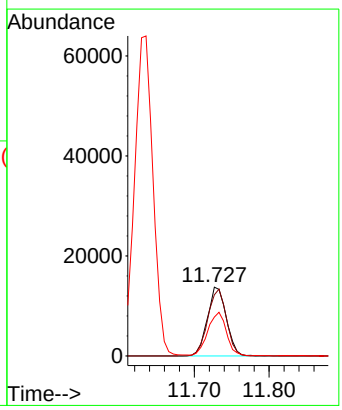


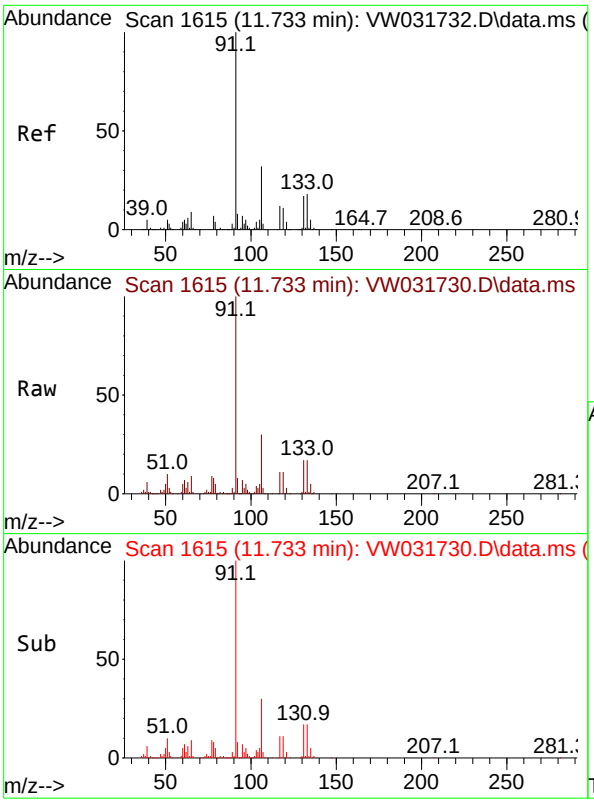


#66
1,1,1,2-Tetrachloroethane
Concen: 9.975 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:131 Resp: 24224

Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.5	145.6
119	62.9	32.5	97.5



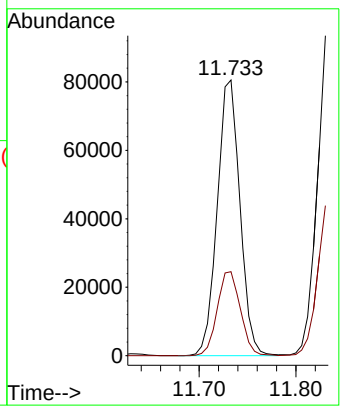


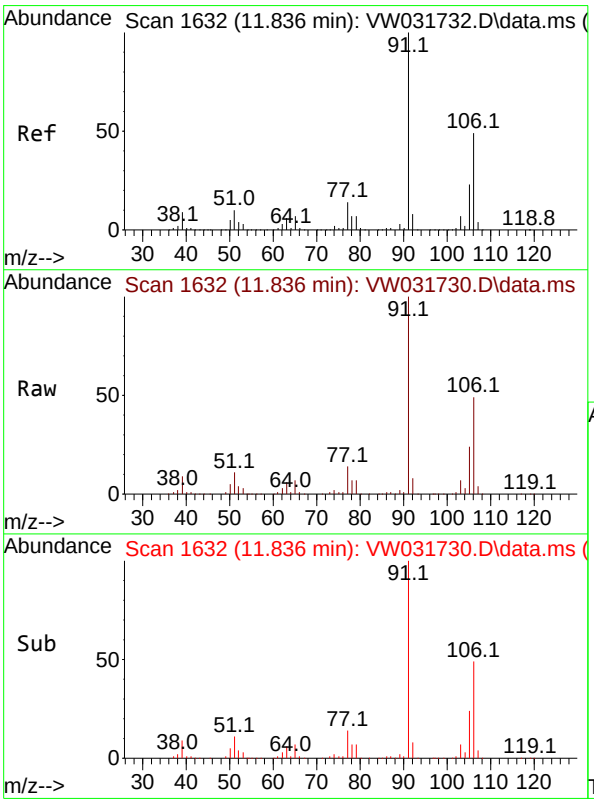
#67
Ethyl Benzene
Concen: 9.927 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 131184

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

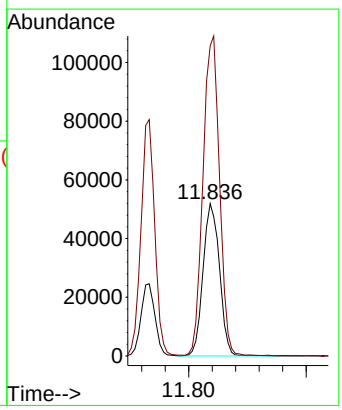


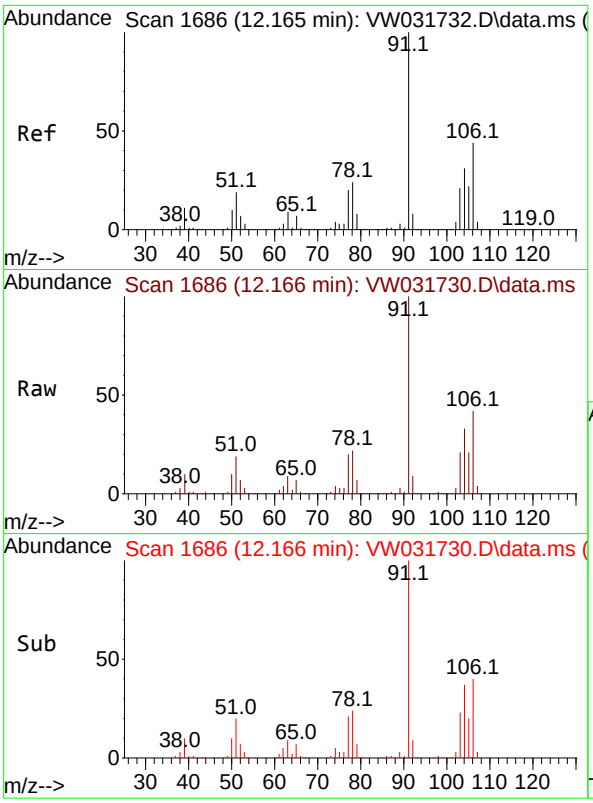


#68
m/p-Xylenes
Concen: 19.856 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:106 Resp: 100863

Ion	Ratio	Lower	Upper
106	100		
91	210.3	166.4	249.6



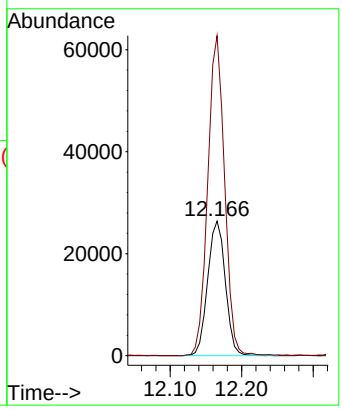


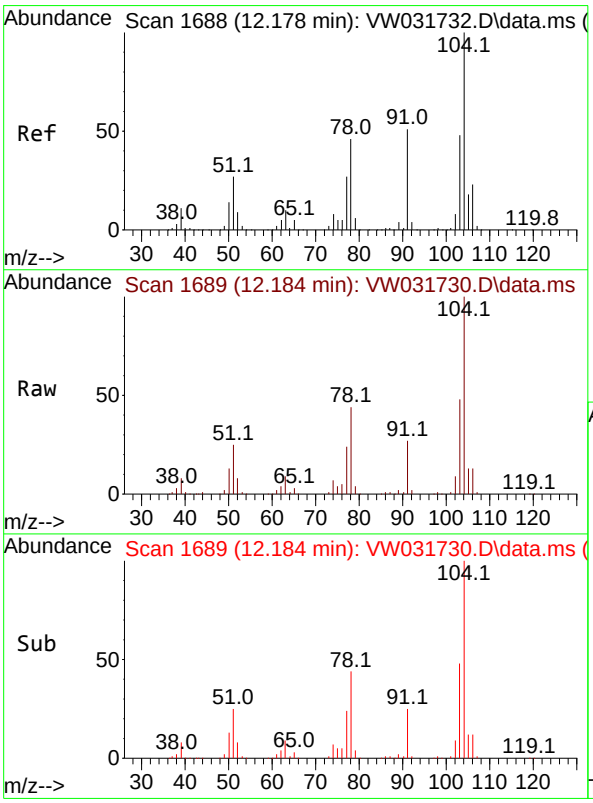
#69
o-Xylene
Concen: 9.611 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 45204

Ion	Ratio	Lower	Upper
106	100		
91	227.6	111.5	334.4

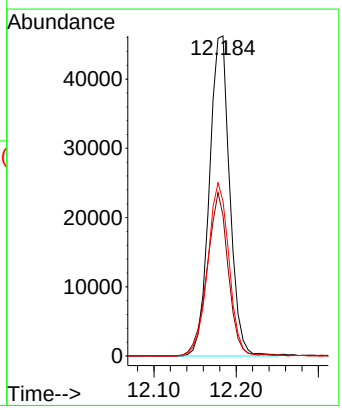


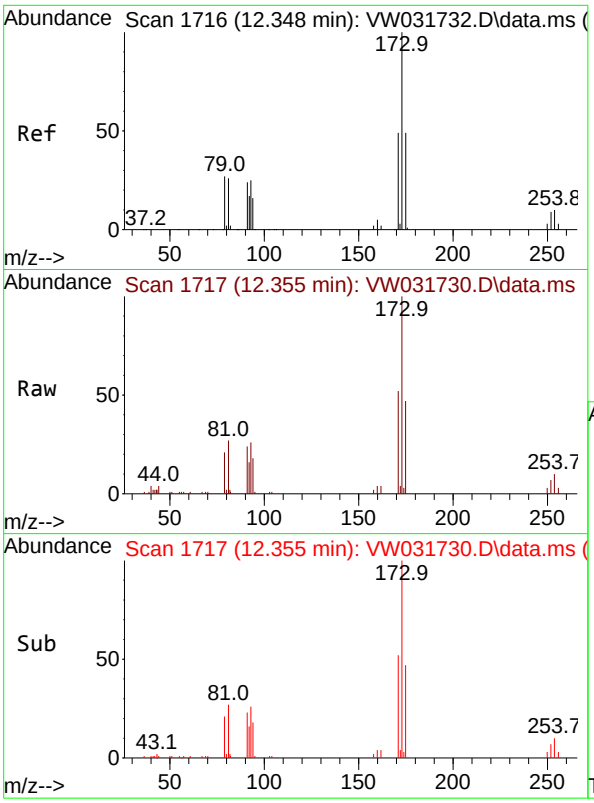


#70
Styrene
Concen: 9.805 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:104 Resp: 79722

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.1	63.1
103	56.3	43.0	64.6



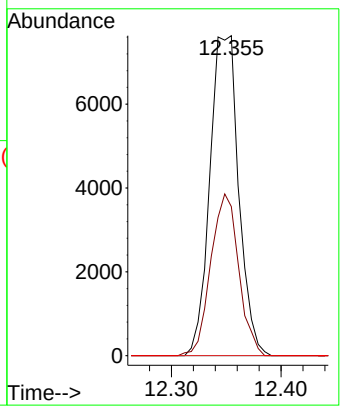


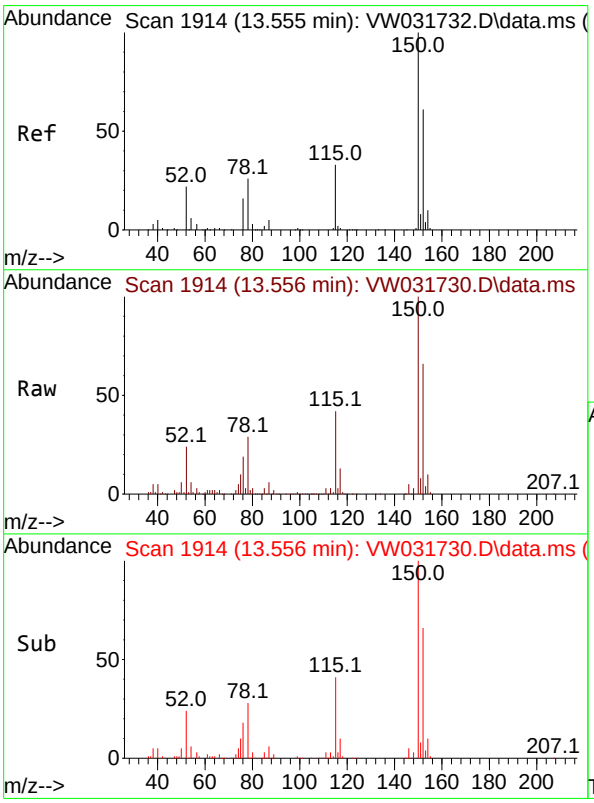
#71
Bromoform
Concen: 9.641 ug/l
RT: 12.355 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 13967

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.0	72.0
254	0.0	0.1	0.1#

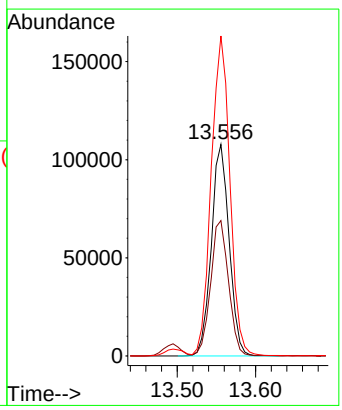


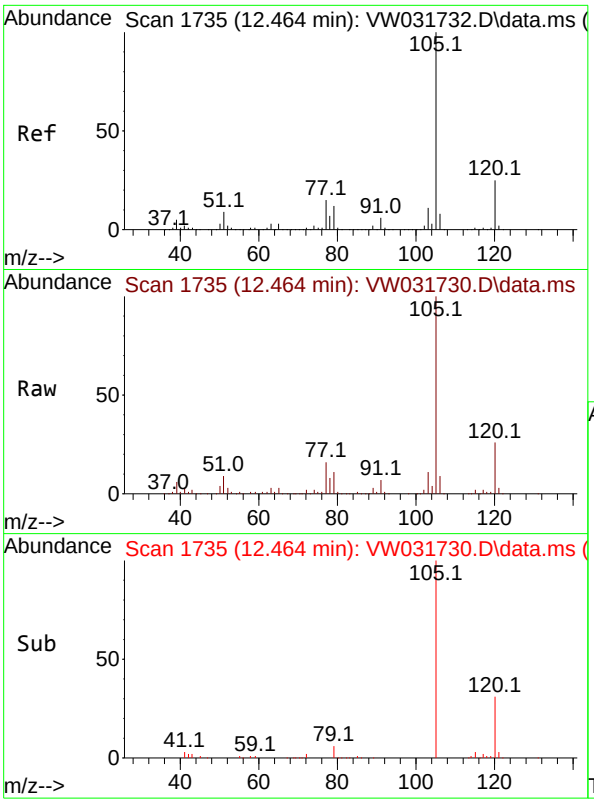


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:152 Resp: 170268

Ion	Ratio	Lower	Upper
152	100		
115	64.2	31.9	95.7
150	158.5	0.0	356.4



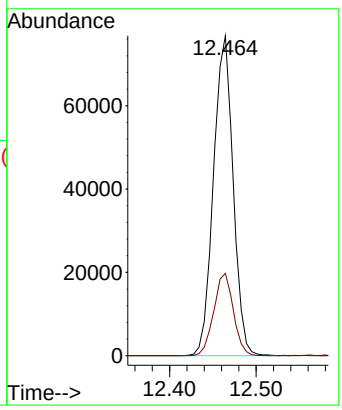


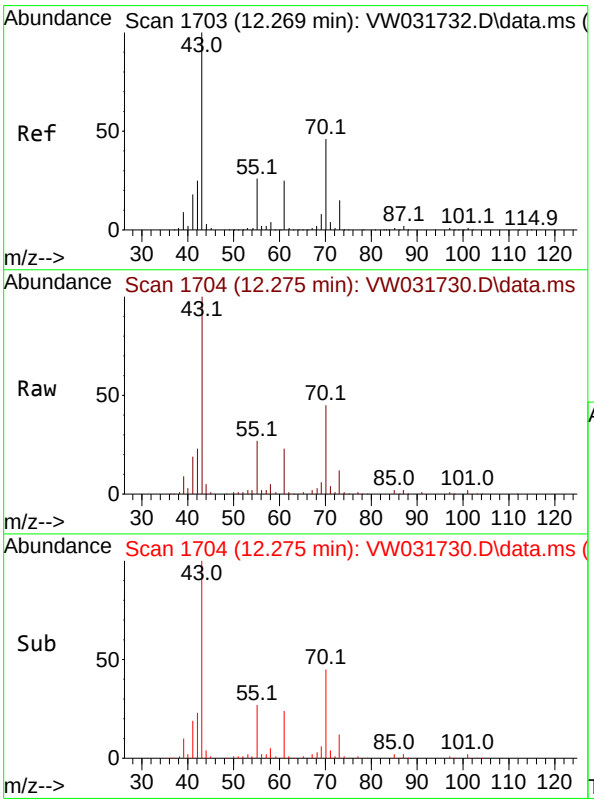
#73
Isopropylbenzene
Concen: 9.331 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 120857

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

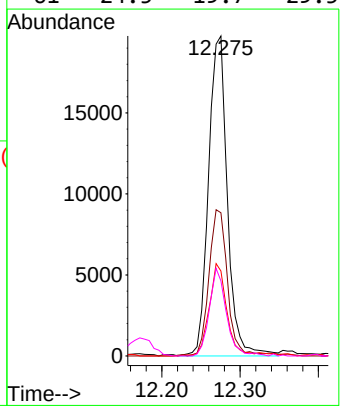


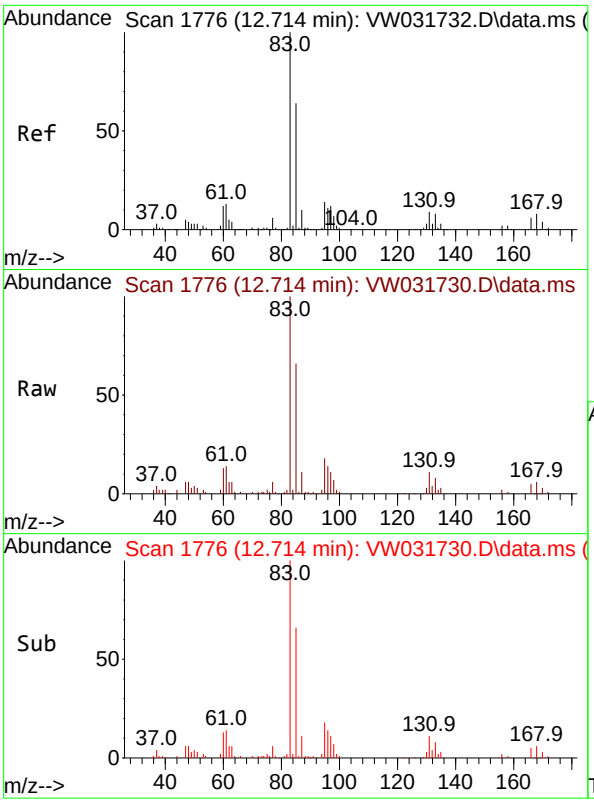


#74
N-amyl acetate
Concen: 9.467 ug/l
RT: 12.275 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 43 Resp: 33049

Ion	Ratio	Lower	Upper
43	100		
70	44.7	36.0	54.0
55	26.8	20.8	31.2
61	24.5	19.7	29.5



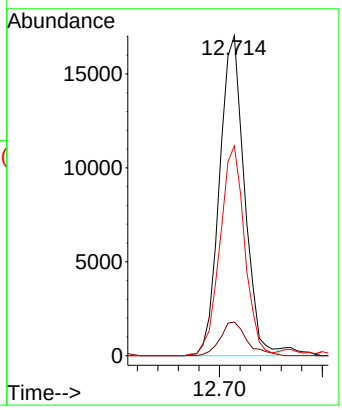


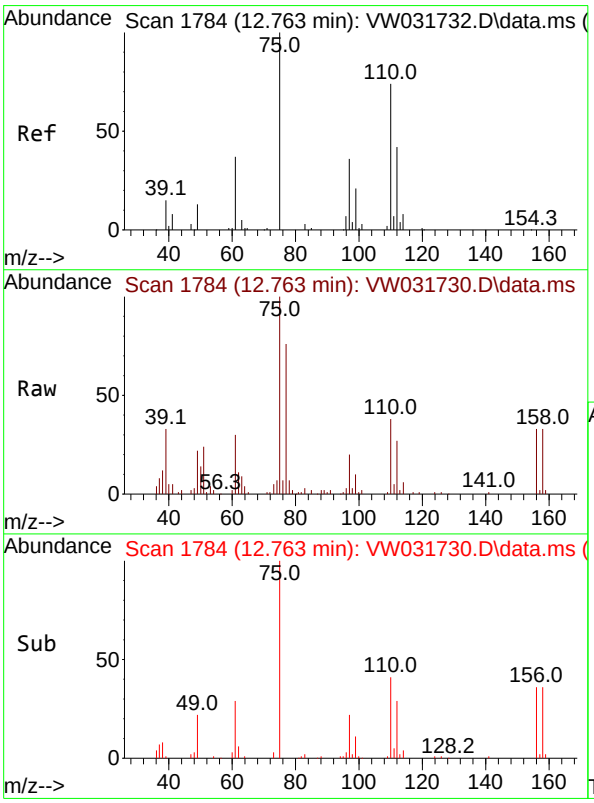
#75
1,1,2,2-Tetrachloroethane
Concen: 9.935 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 28567

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	16.1
85	65.2	32.0	96.2

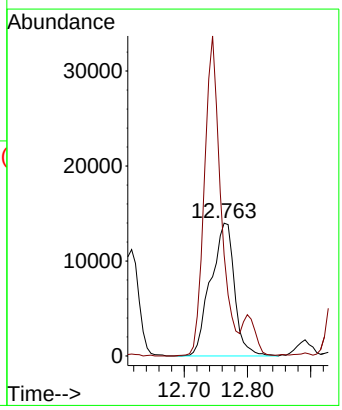


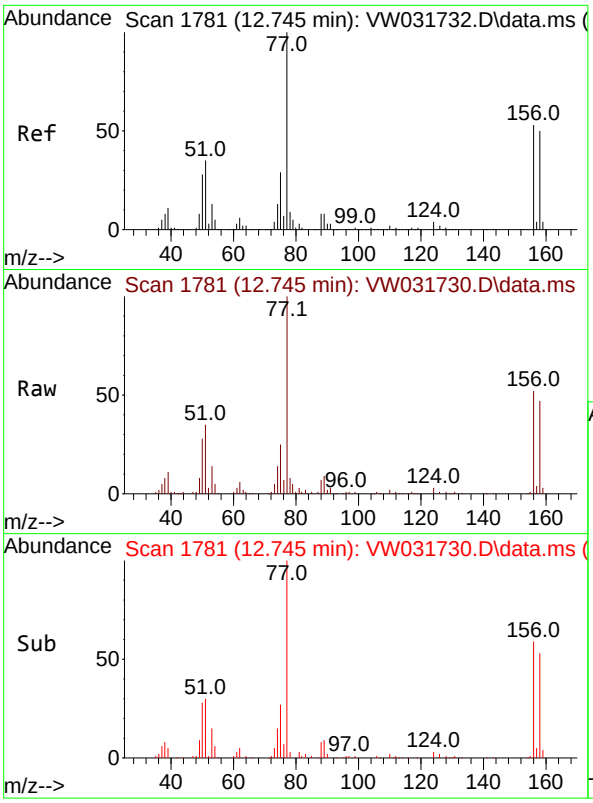


#76
1,2,3-Trichloropropane
Concen: 16.575 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 36471

Ion	Ratio	Lower	Upper
75	100		
77	168.9	141.2	423.6



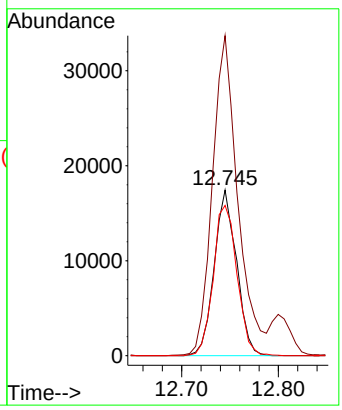


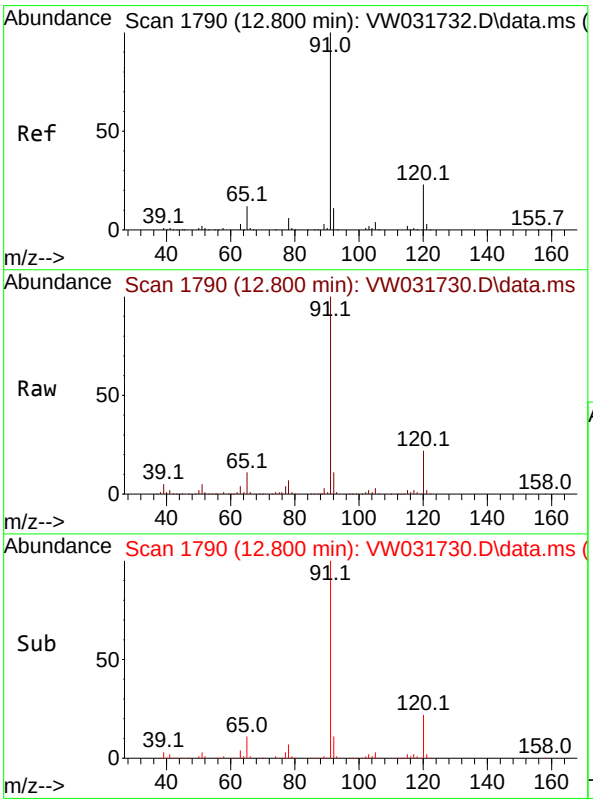
#77
Bromobenzene
Concen: 9.682 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 27969

Ion	Ratio	Lower	Upper
156	100		
77	220.3	117.9	353.7
158	96.4	52.6	157.8

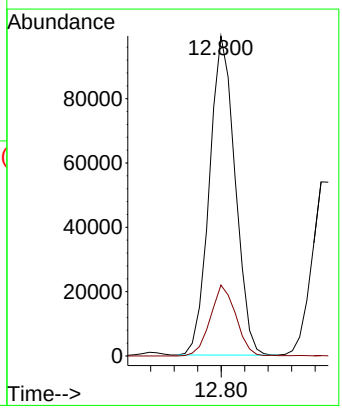


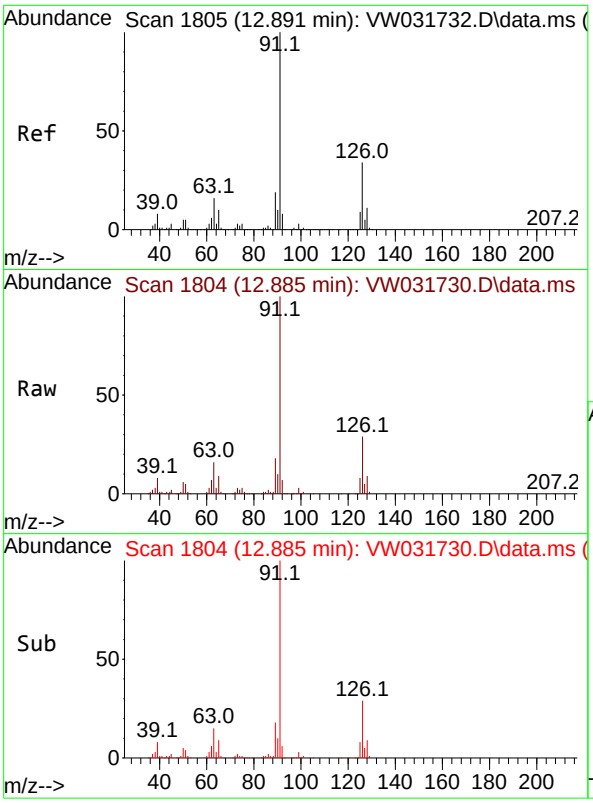


#78
n-propylbenzene
Concen: 9.734 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 150962

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.5	34.4



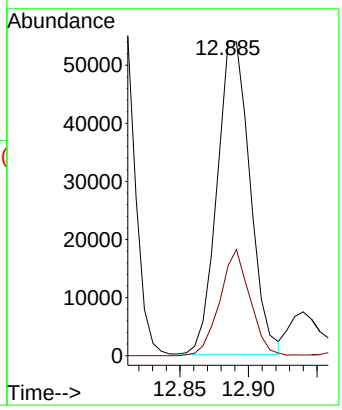


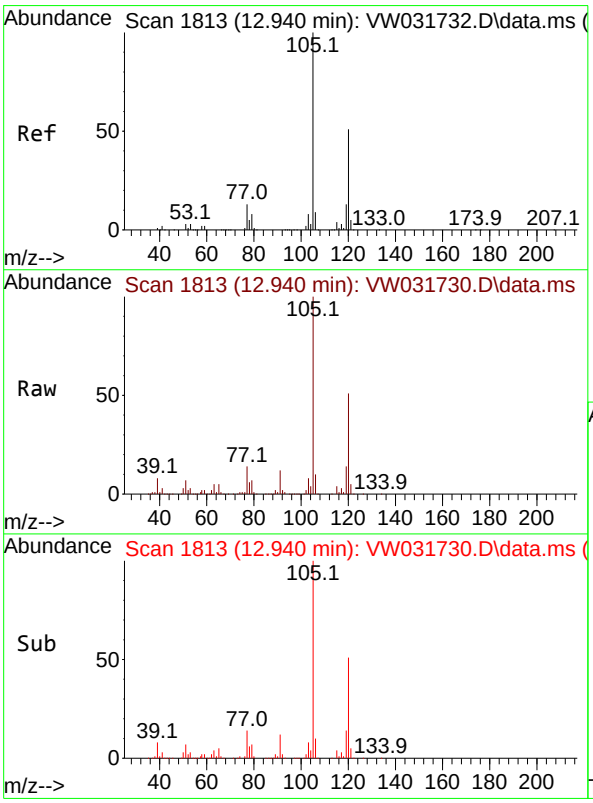
#79
2-Chlorotoluene
Concen: 9.654 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 90162

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.8	47.4

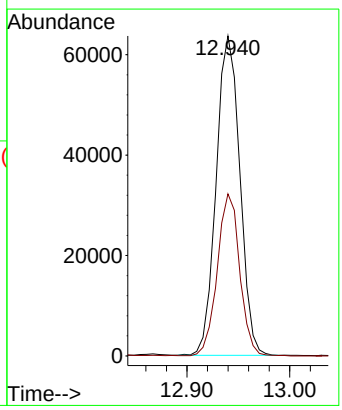


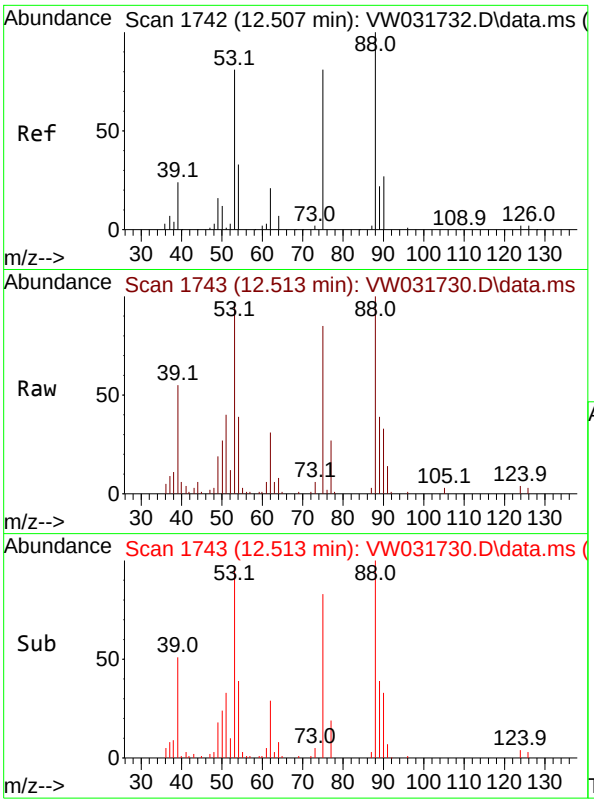


#80
1,3,5-Trimethylbenzene
Concen: 9.489 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 101724

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.2



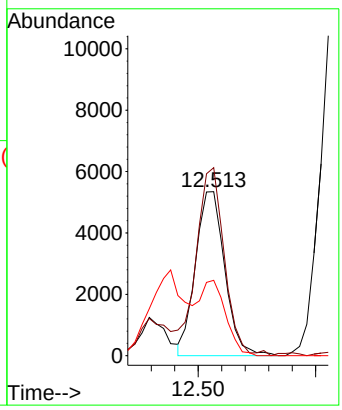


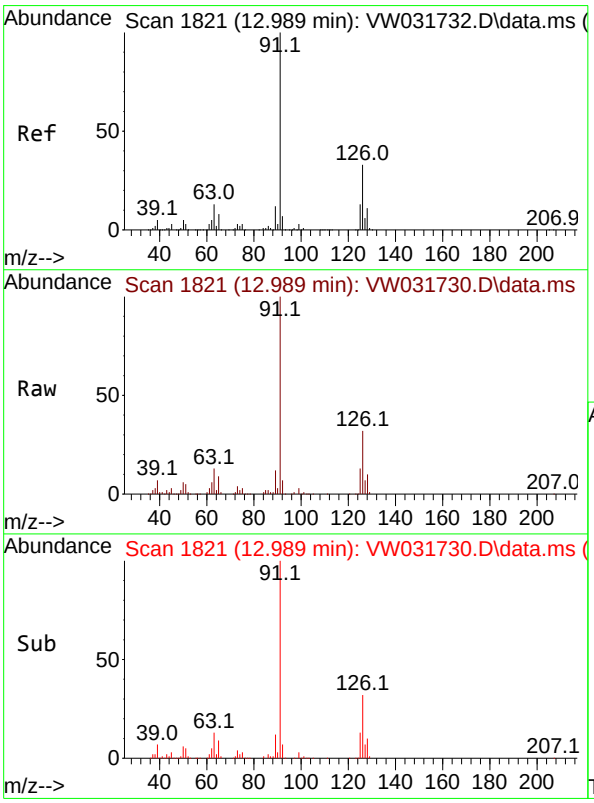
#81
trans-1,4-Dichloro-2-butene
Concen: 9.808 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 9266

Ion	Ratio	Lower	Upper
75	100		
53	112.1	83.5	125.3
89	40.9	38.3	57.5

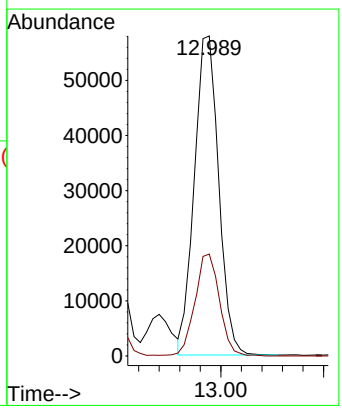


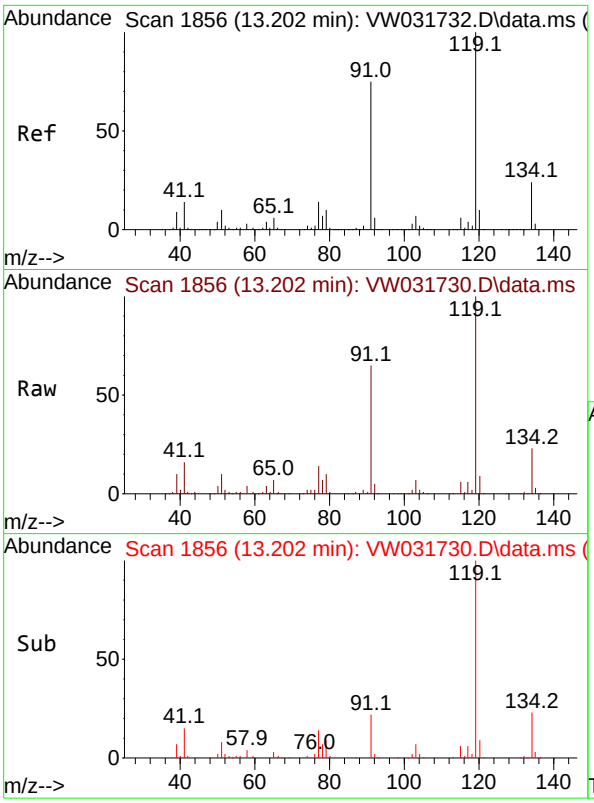


#82
4-Chlorotoluene
Concen: 9.731 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 91 Resp: 95411

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	47.9



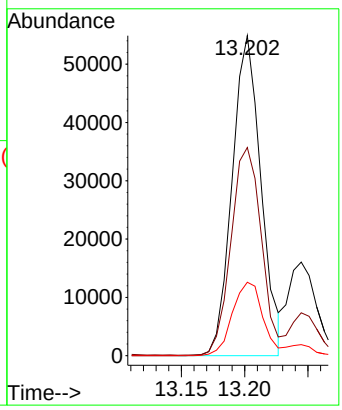


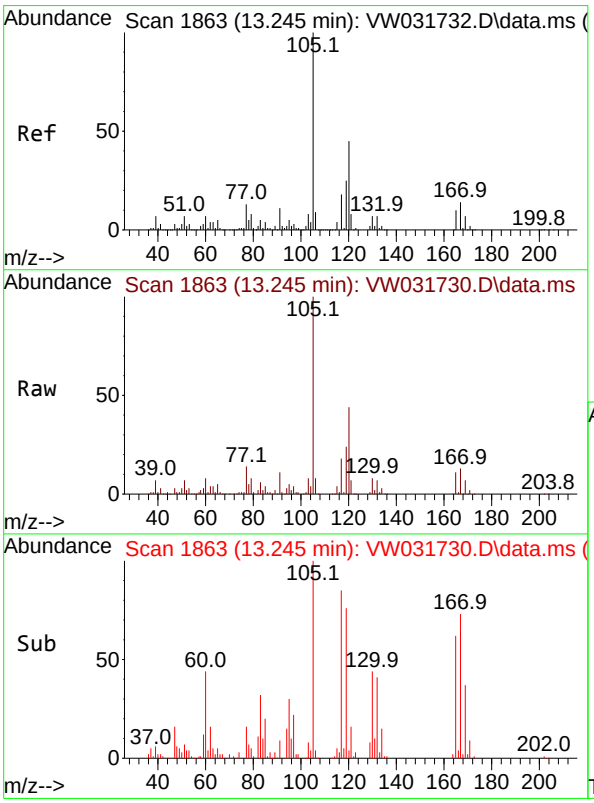
#83
tert-Butylbenzene
Concen: 9.495 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 87194

Ion	Ratio	Lower	Upper
119	100		
91	68.0	36.0	108.1
134	24.6	12.4	37.2

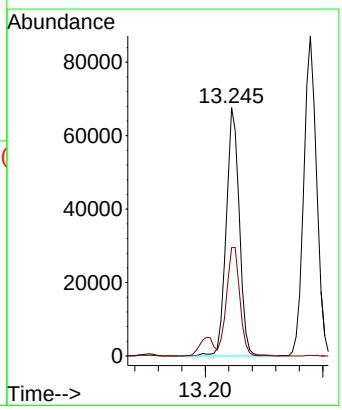


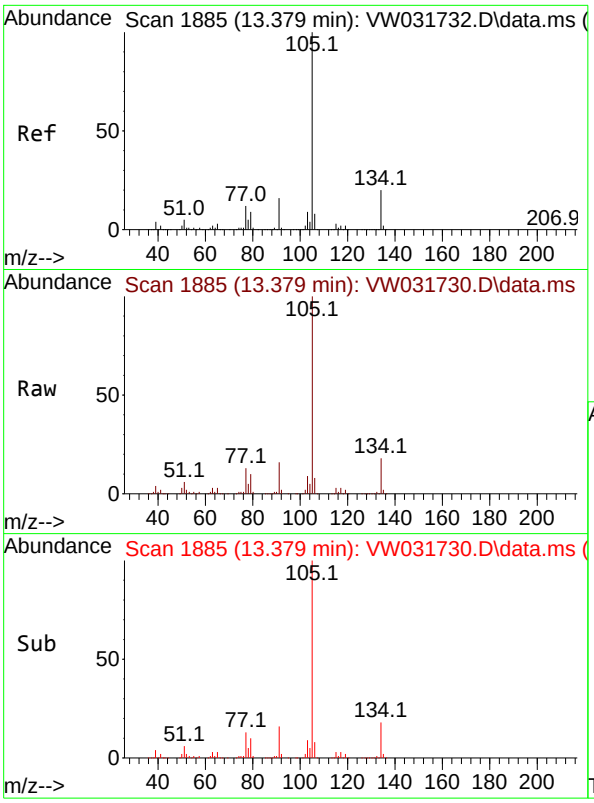


#84
1,2,4-Trimethylbenzene
Concen: 9.651 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:105 Resp: 104832

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



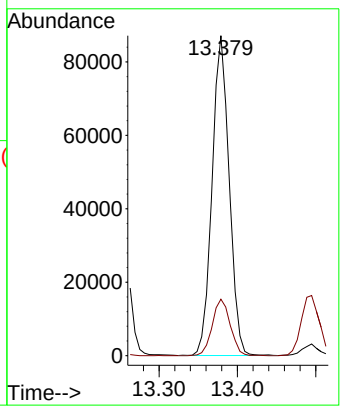


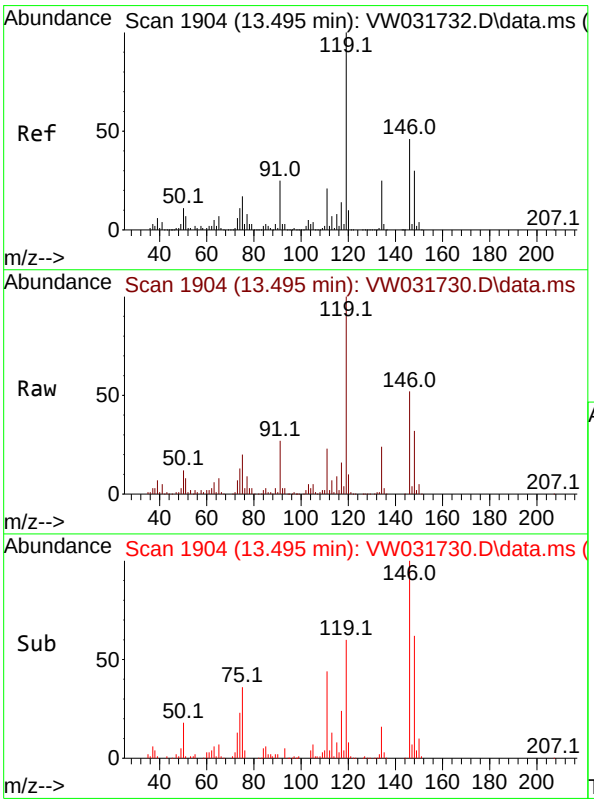
#85
sec-Butylbenzene
Concen: 9.578 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 132016

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.8

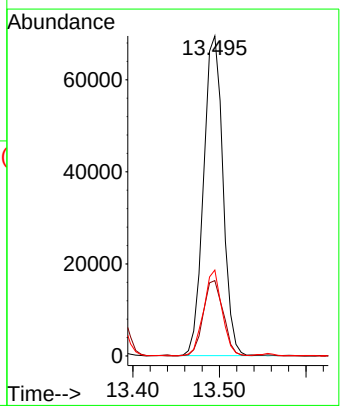


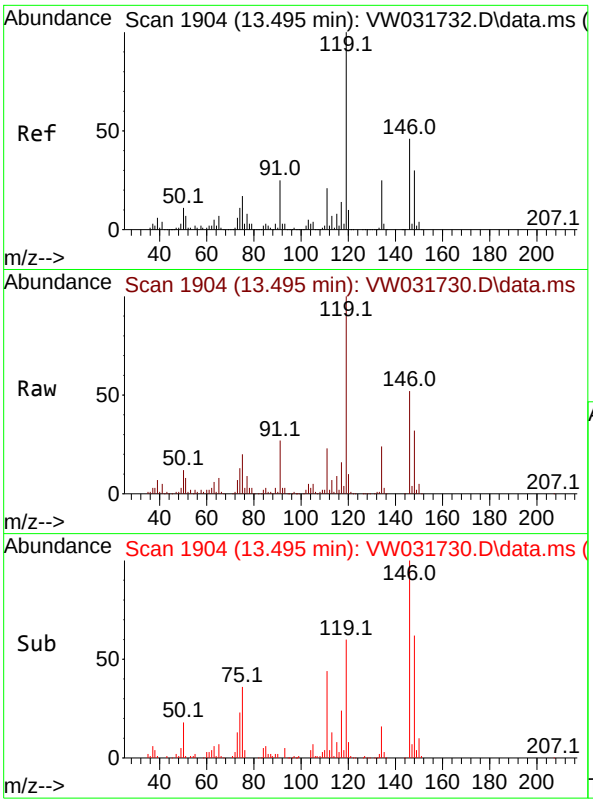


#86
p-Isopropyltoluene
Concen: 9.490 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:119 Resp: 107805

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.9	38.7
91	25.4	12.7	38.0



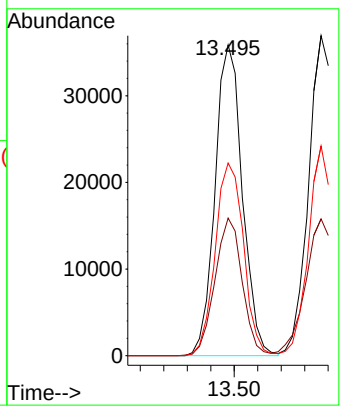


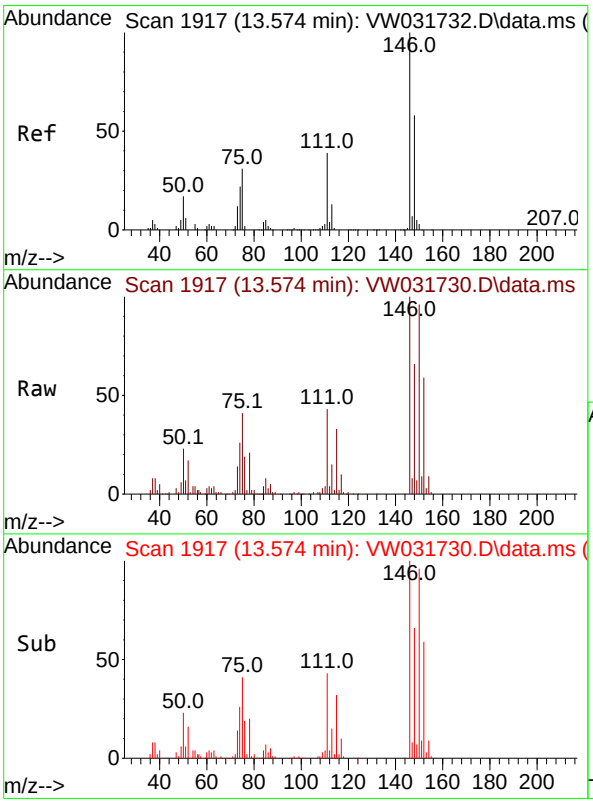
#87
1,3-Dichlorobenzene
Concen: 10.021 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 58049

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.9
148	64.4	31.8	95.4

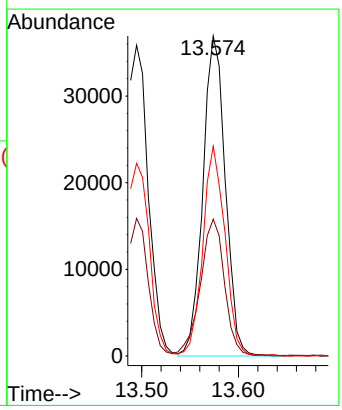


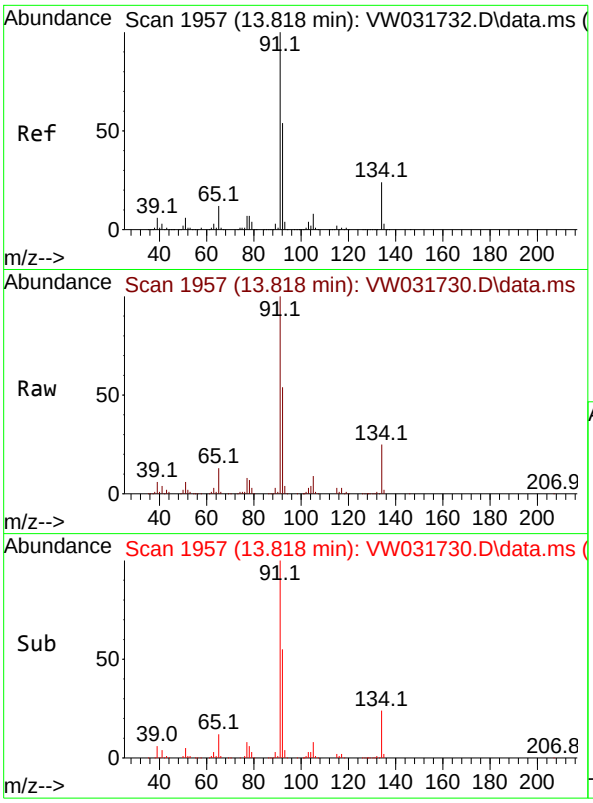


#88
1,4-Dichlorobenzene
Concen: 10.051 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:146 Resp: 59597

Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.4	61.3
148	64.0	30.2	90.6



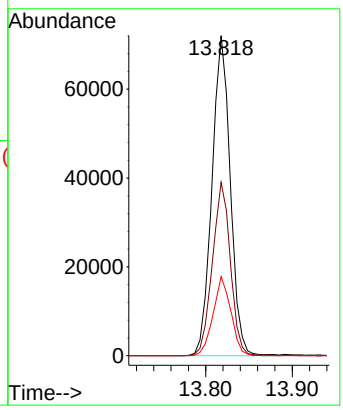


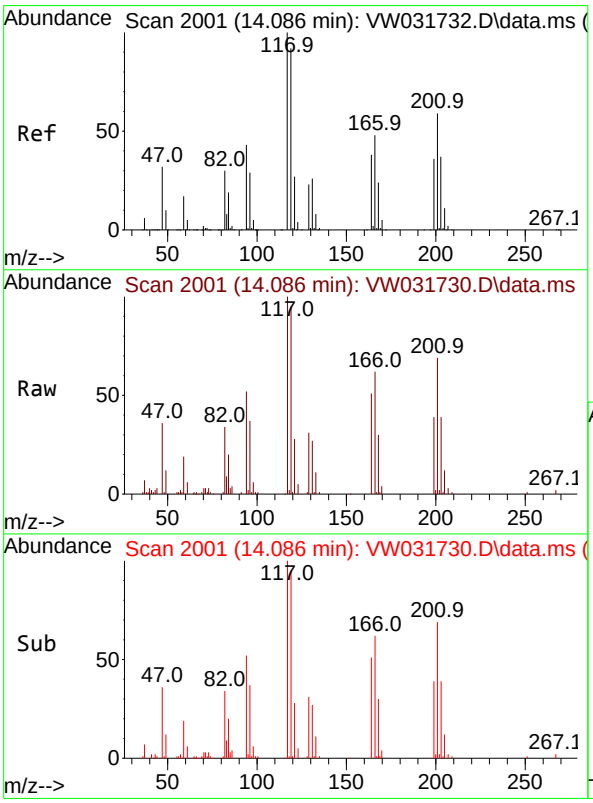
#89
n-Butylbenzene
Concen: 9.597 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 105923

Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.5
134	23.9	12.2	36.6

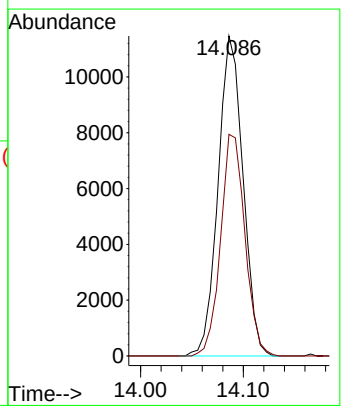


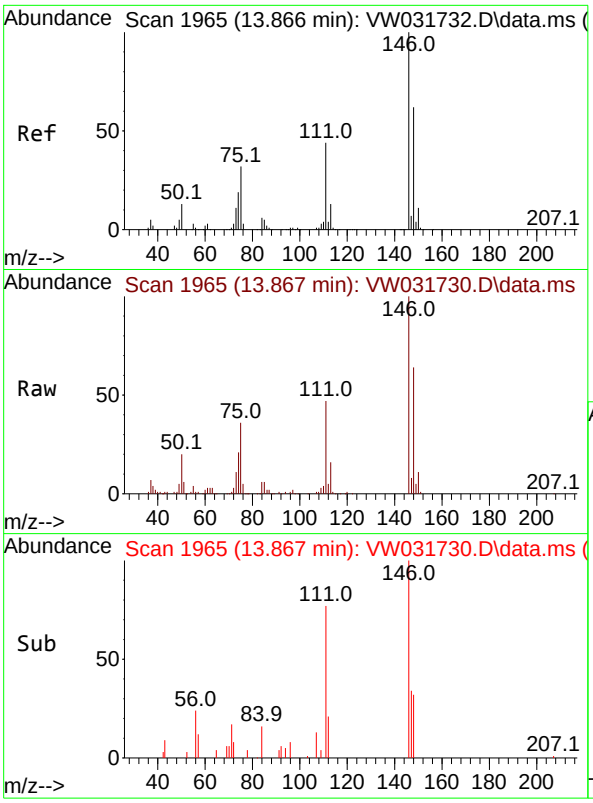


#90
Hexachloroethane
Concen: 9.420 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:117 Resp: 19306

Ion	Ratio	Lower	Upper
117	100		
201	67.7	31.1	93.3



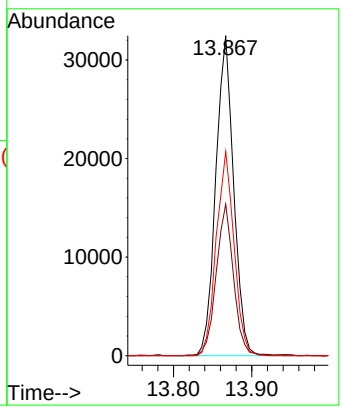


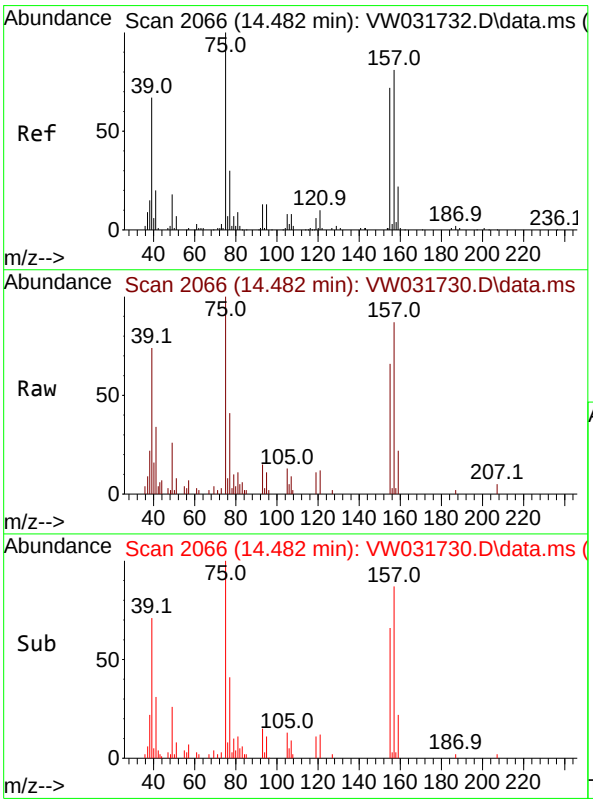
#91
1,2-Dichlorobenzene
Concen: 9.761 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 51680

Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.7	65.1
148	63.3	29.8	89.5

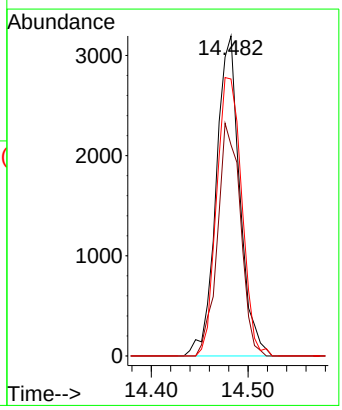


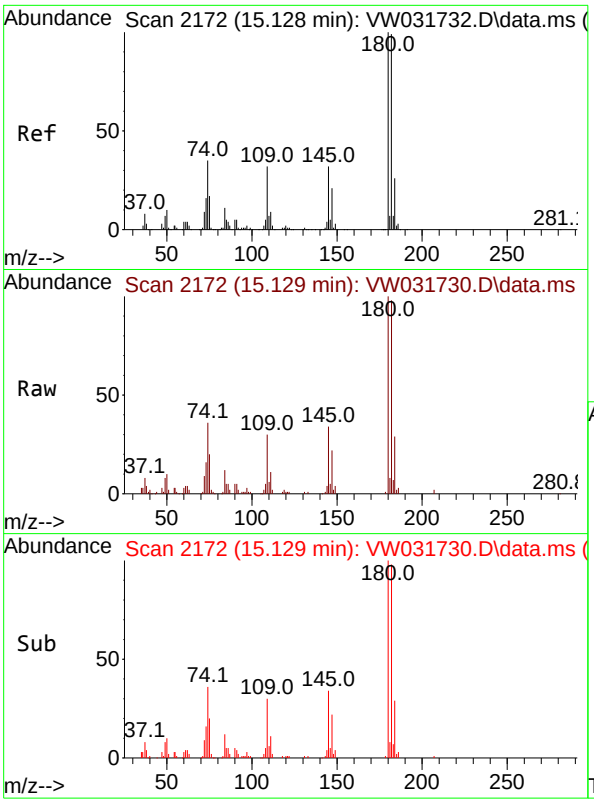


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.634 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion: 75 Resp: 5409

Ion	Ratio	Lower	Upper
75	100		
155	70.9	37.2	111.6
157	92.6	45.6	136.9



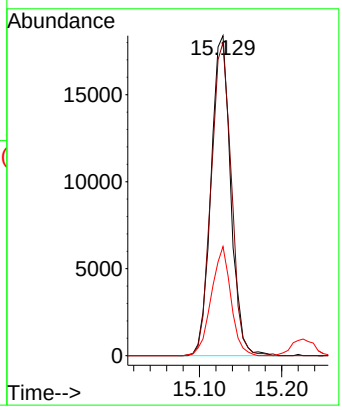


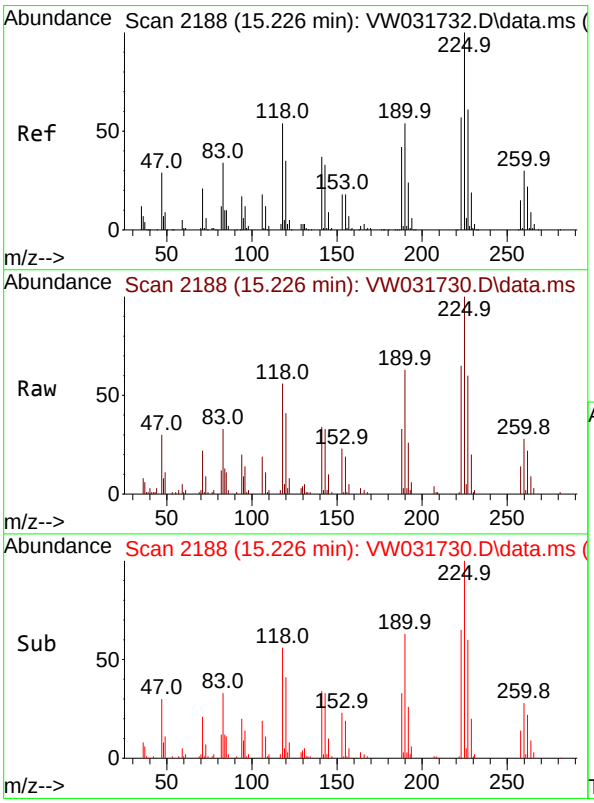
#93
1,2,4-Trichlorobenzene
Concen: 9.371 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 30599

Ion	Ratio	Lower	Upper
180	100		
182	100.0	48.6	145.9
145	33.9	17.3	51.7

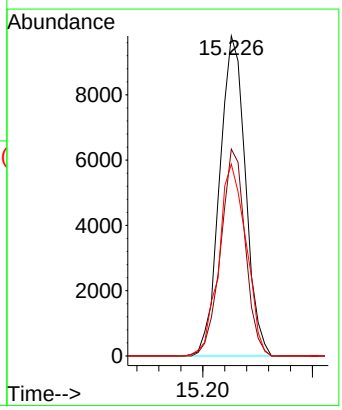


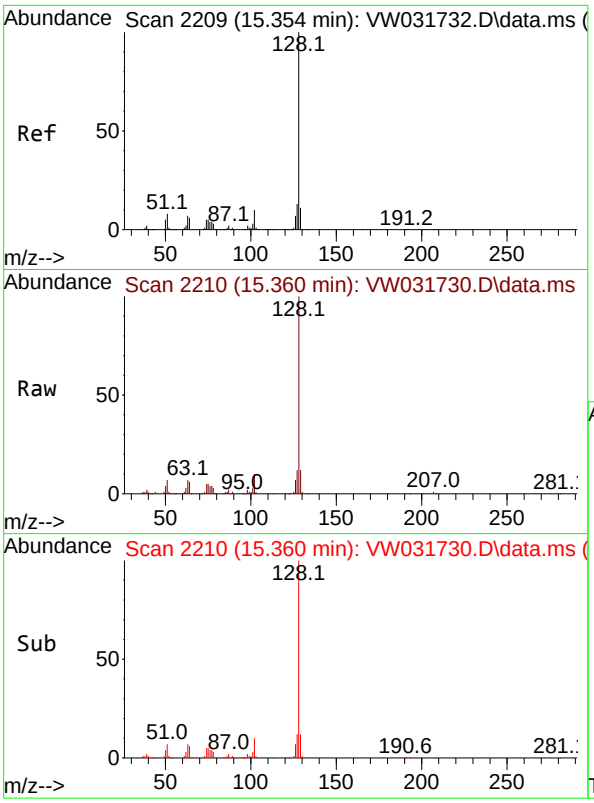


#94
Hexachlorobutadiene
Concen: 10.136 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:225 Resp: 15982

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.6	97.8
227	63.7	37.3	111.8



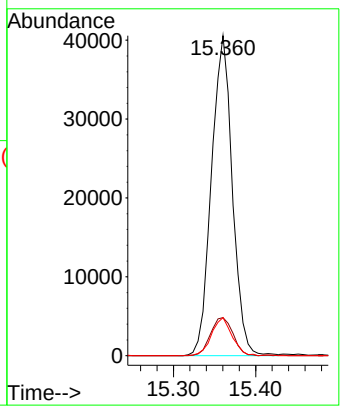


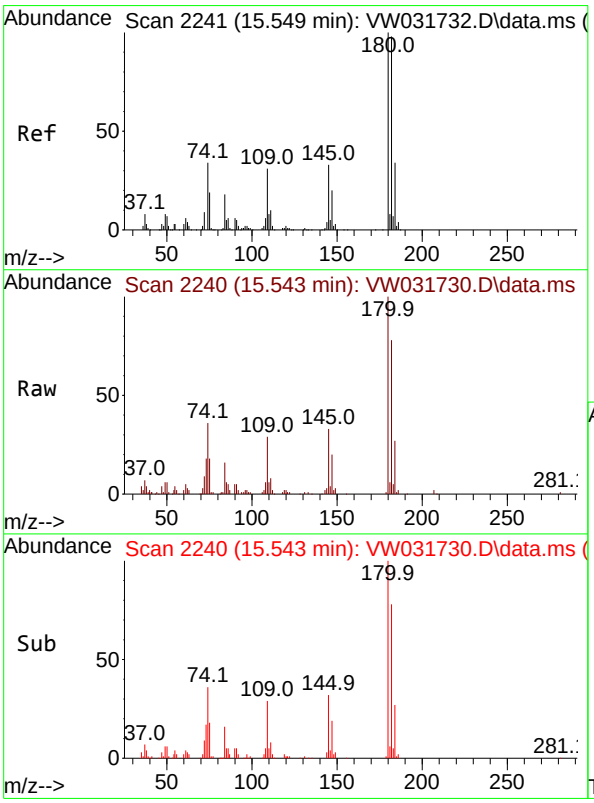
#95
Naphthalene
Concen: 8.964 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 71758

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	11.7	8.7	13.1

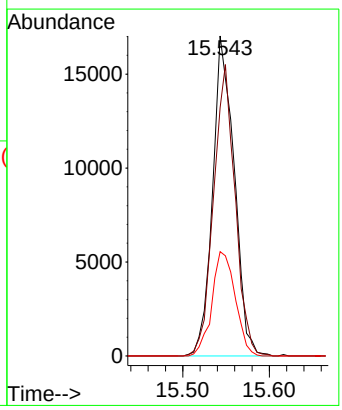




#96
1,2,3-Trichlorobenzene
Concen: 9.823 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031730.D
Acq: 30 Jun 2025 10:15

Tgt Ion:180 Resp: 29473

Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.4	139.1
145	35.3	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
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 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
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 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l		91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l		100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l		100
44) Trichloroethene	9.099	130	54194	21.074	ug/l		100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l		100
46) Dibromomethane	9.465	93	33467	20.817	ug/l		98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l		96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l		98
49) 1,4-Dioxane	9.465	88	6528	381.413	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l		99
52) Toluene	10.391	92	138387	20.978	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l		99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l		98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l		99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l		98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l		99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l		98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l		99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l		94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l		98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l		96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l		97
69) o-Xylene	12.165	106	95105	20.126	ug/l		99
70) Styrene	12.178	104	165896	20.307	ug/l		100
71) Bromoform	12.348	173	28135	19.330	ug/l	#	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l		99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	70877	32.350	ug/l	#	1
77) Bromobenzene	12.745	156	55325	19.235	ug/l		92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l		98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l		92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l		99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l		98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l		100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l		95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l		98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l		98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l		95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l		94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l		94
95) Naphthalene	15.354	128	146159	18.335	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
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 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

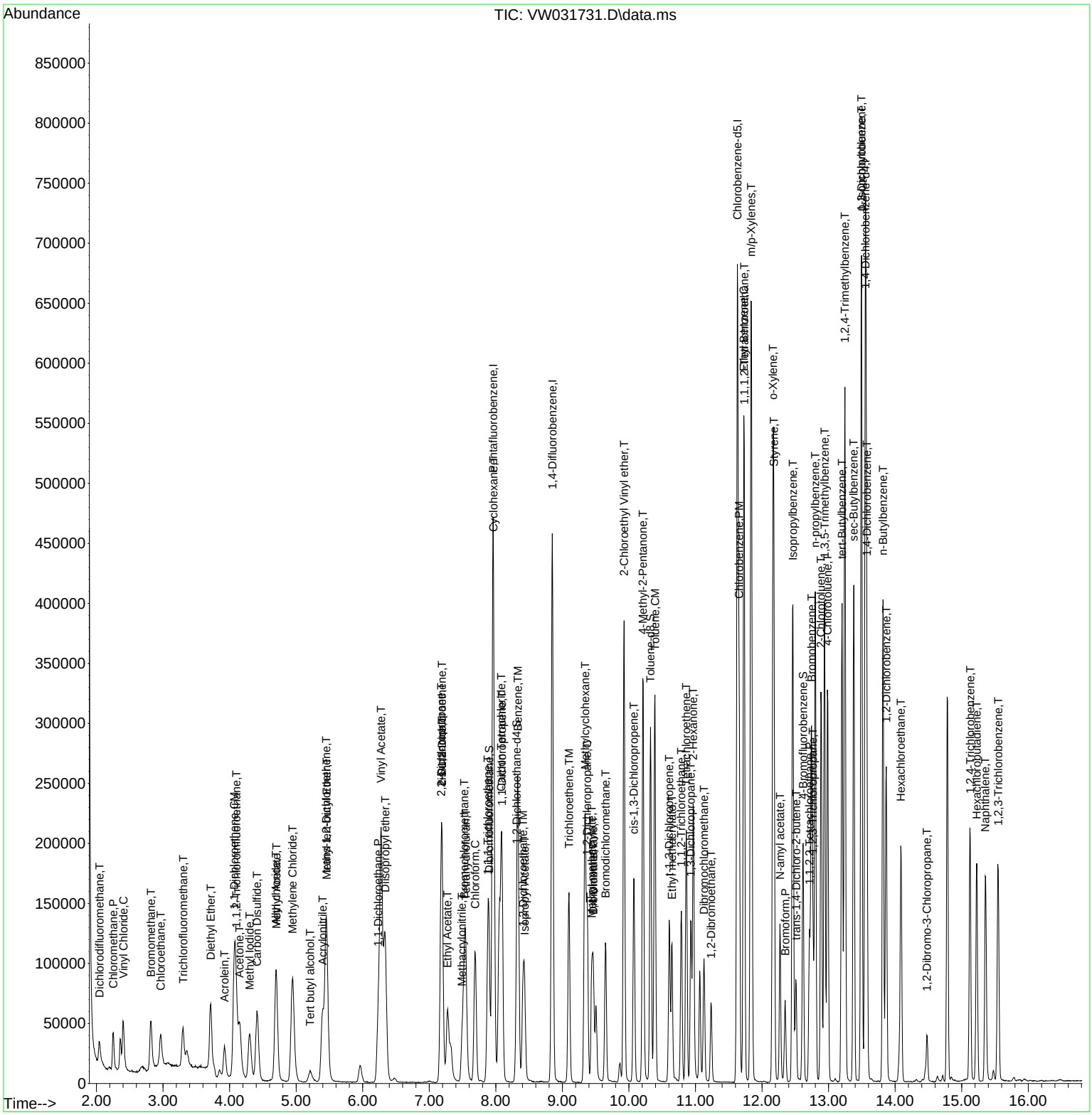
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

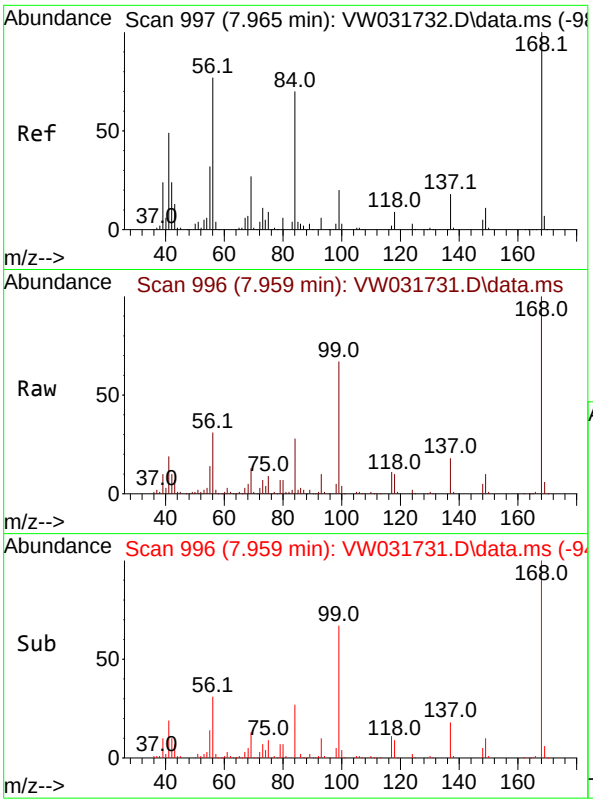
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
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 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



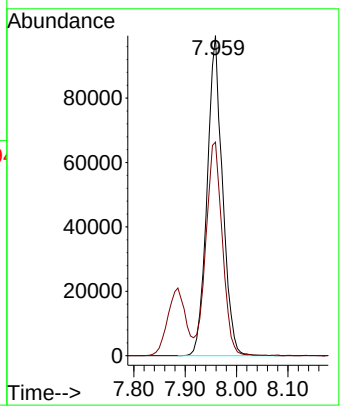


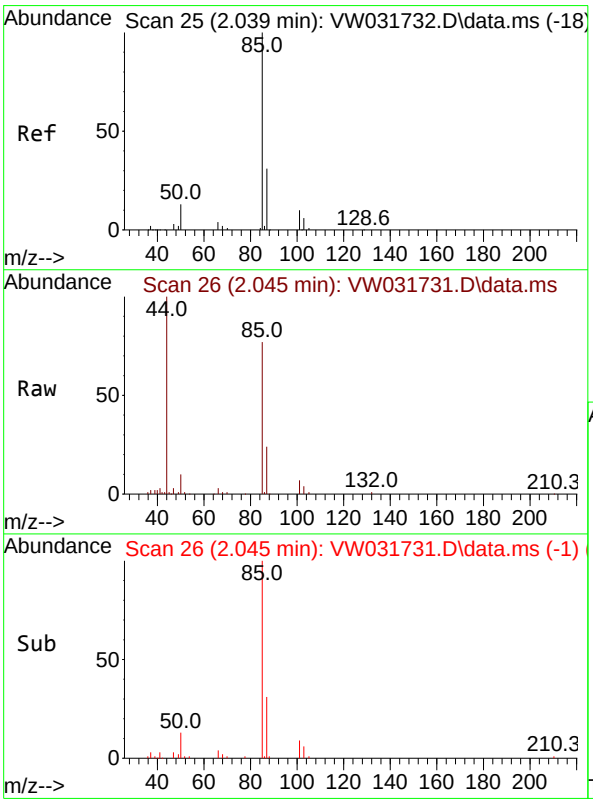
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 206362

Ion	Ratio	Lower	Upper
168	100		
99	66.6	49.4	74.2

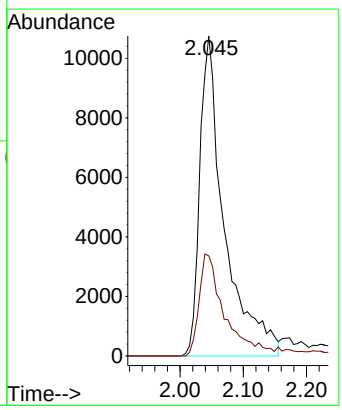


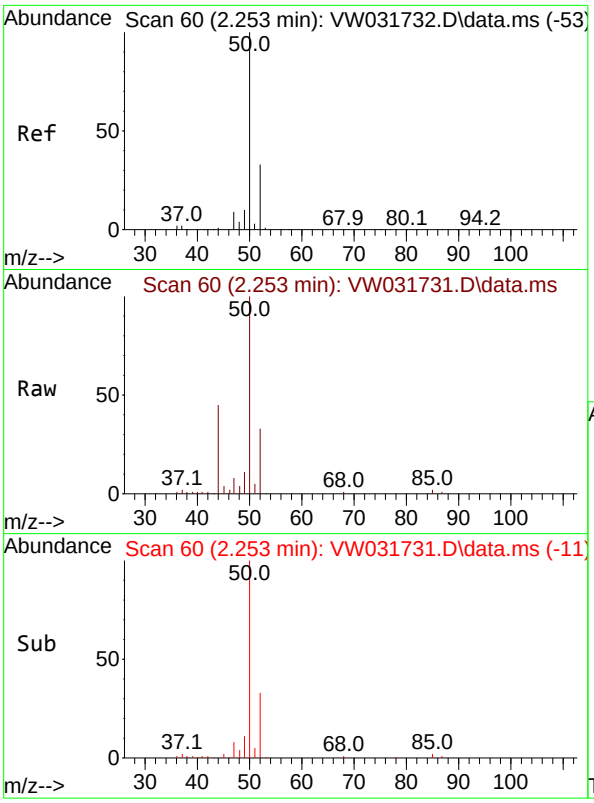


#2
Dichlorodifluoromethane
Concen: 20.703 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 85 Resp: 29096

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.4	46.2



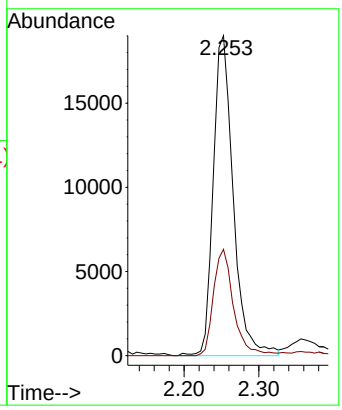


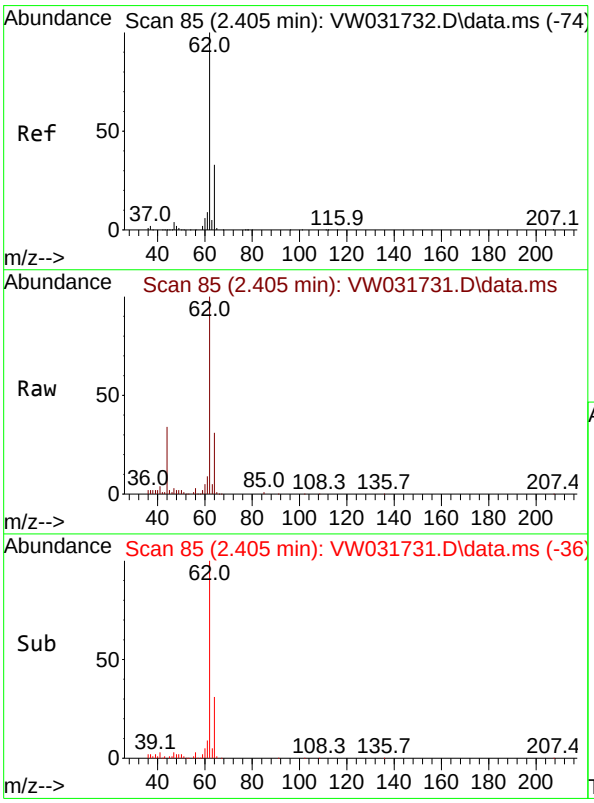
#3
Chloromethane
Concen: 20.832 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 35297

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.2	39.2

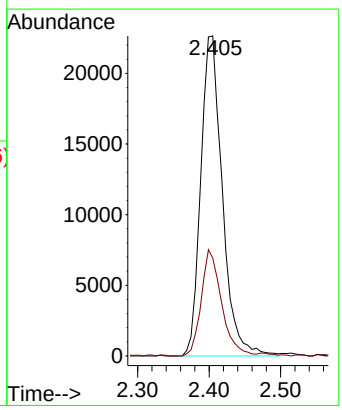


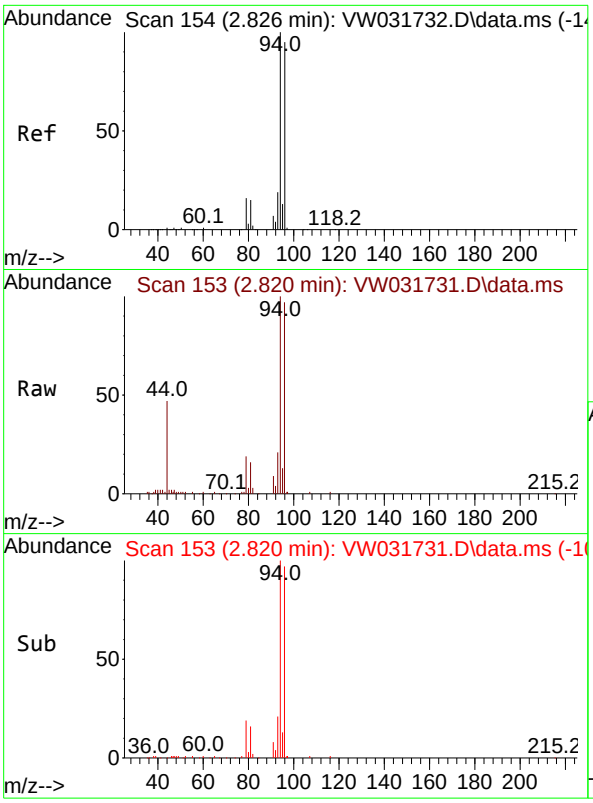


#4
Vinyl Chloride
Concen: 21.344 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 47534

Ion	Ratio	Lower	Upper
62	100		
64	30.5	26.8	40.2



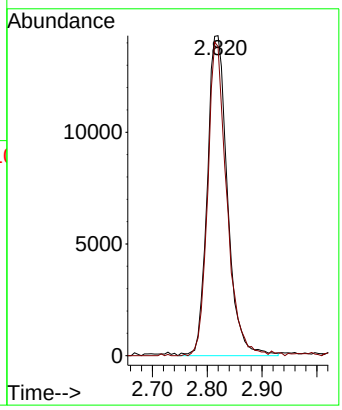


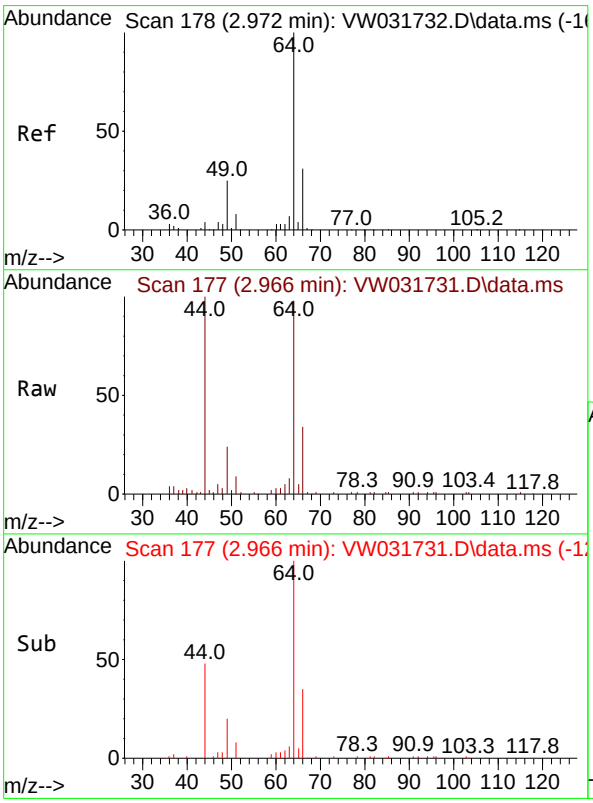
#5
Bromomethane
Concen: 21.030 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 36582

Ion	Ratio	Lower	Upper
94	100		
96	96.6	75.6	113.4

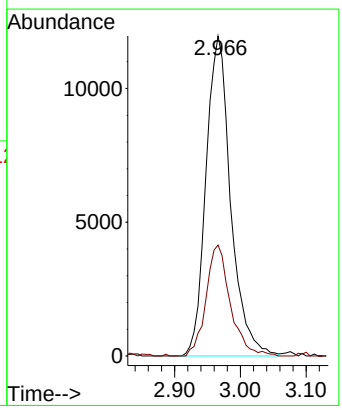


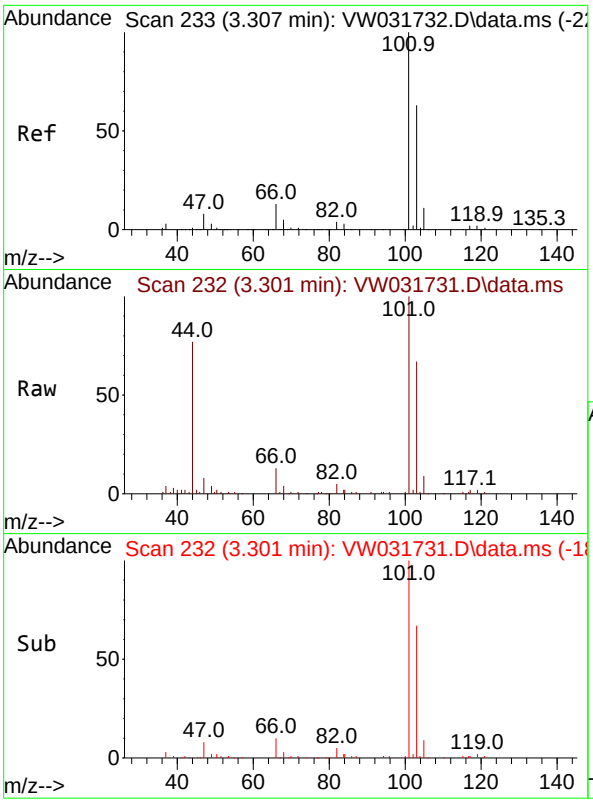


#6
Chloroethane
Concen: 20.660 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 64 Resp: 31253

Ion	Ratio	Lower	Upper
64	100		
66	34.6	24.5	36.7



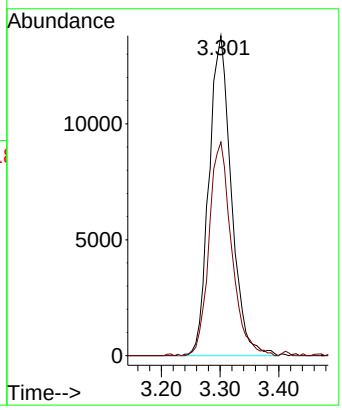


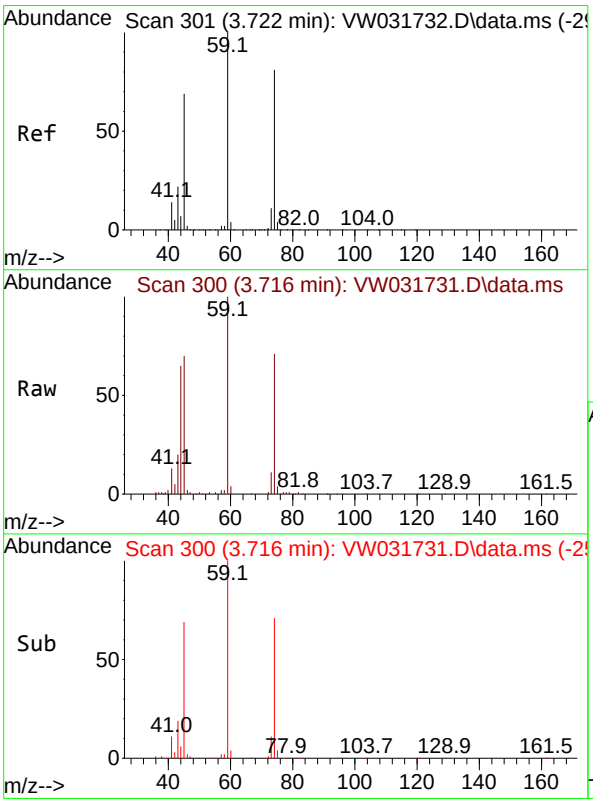
#7
Trichlorofluoromethane
Concen: 18.036 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 36478

Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.2	75.4

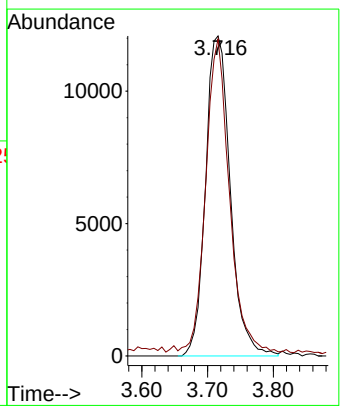


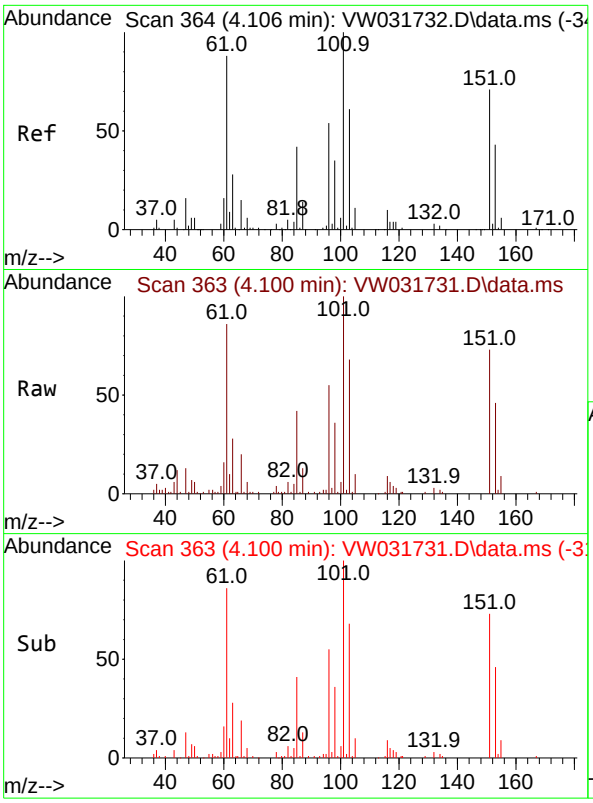


#8
Diethyl Ether
Concen: 20.589 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 74 Resp: 31642

Ion	Ratio	Lower	Upper
74	100		
45	92.6	43.9	131.7



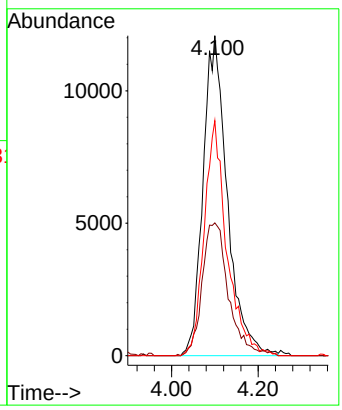


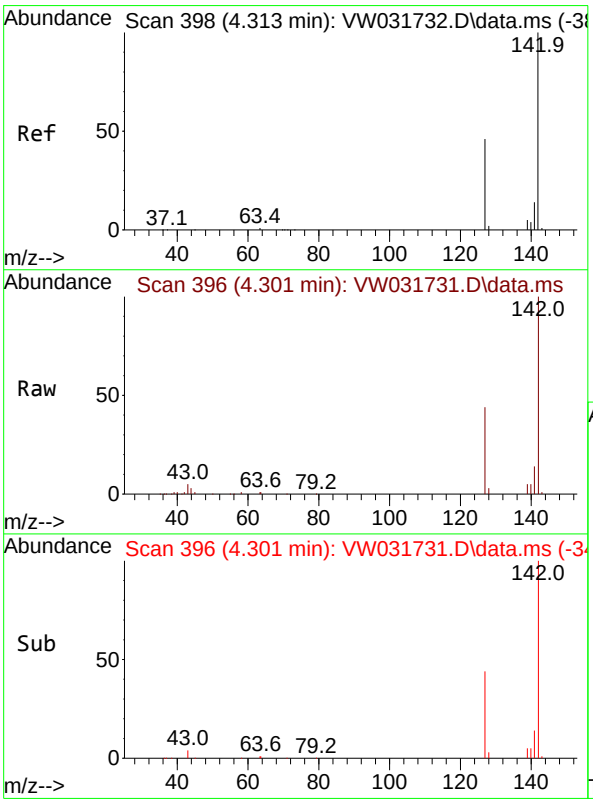
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.923 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 46970

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.6	53.4
151	68.6	56.8	85.2

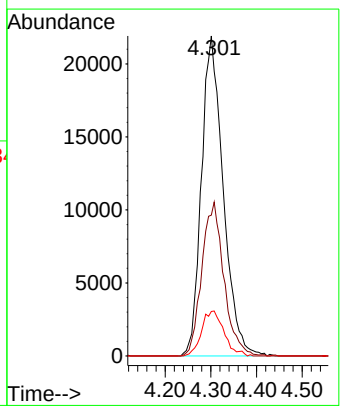


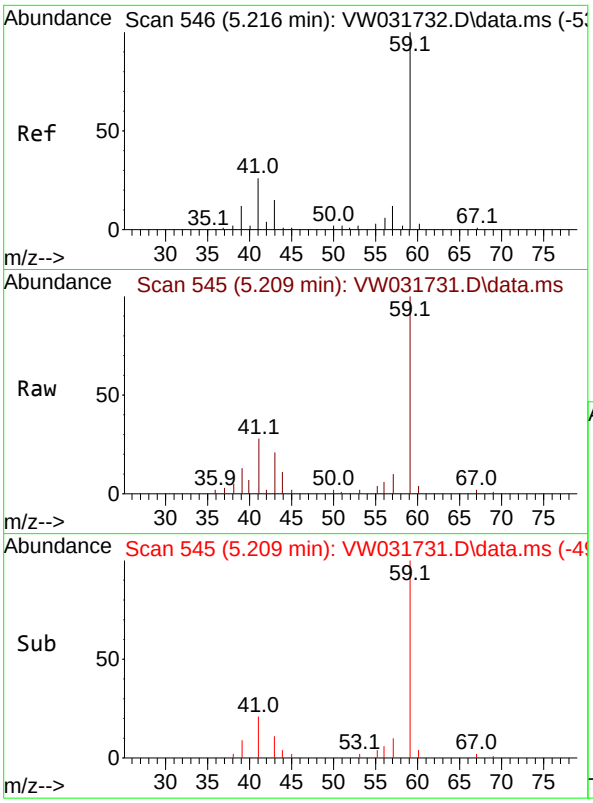


#10
Methyl Iodide
Concen: 20.981 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:142 Resp: 72612

Ion	Ratio	Lower	Upper
142	100		
127	48.7	37.9	56.9
141	14.5	11.7	17.5



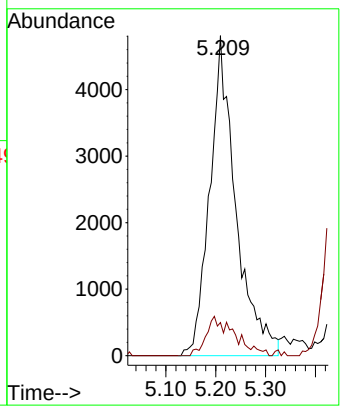


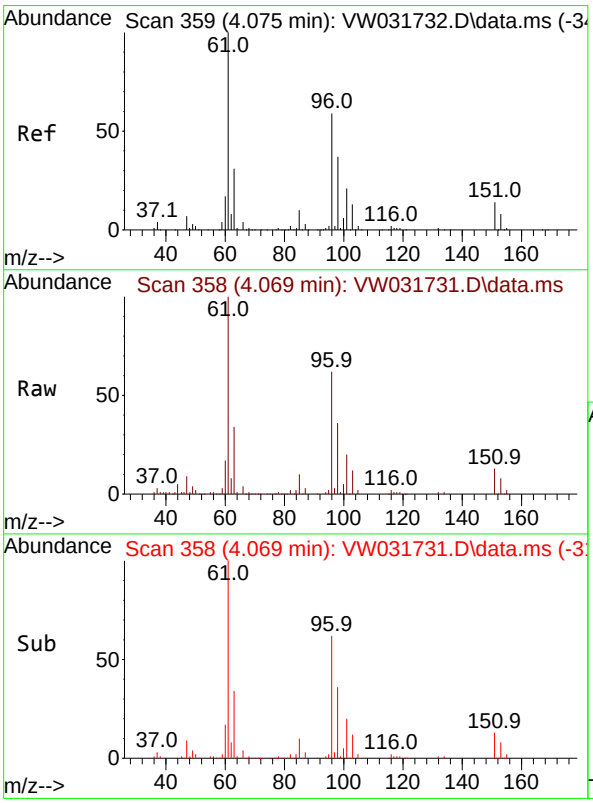
#11
Tert butyl alcohol
Concen: 95.135 ug/l
RT: 5.209 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 17455

Ion	Ratio	Lower	Upper
59	100		
57	7.3	9.5	14.3#

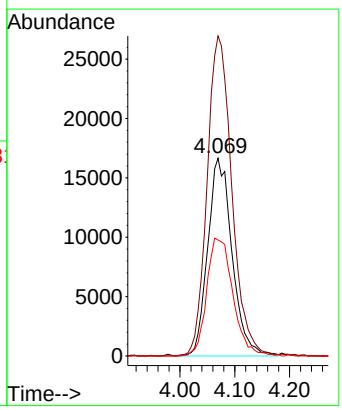


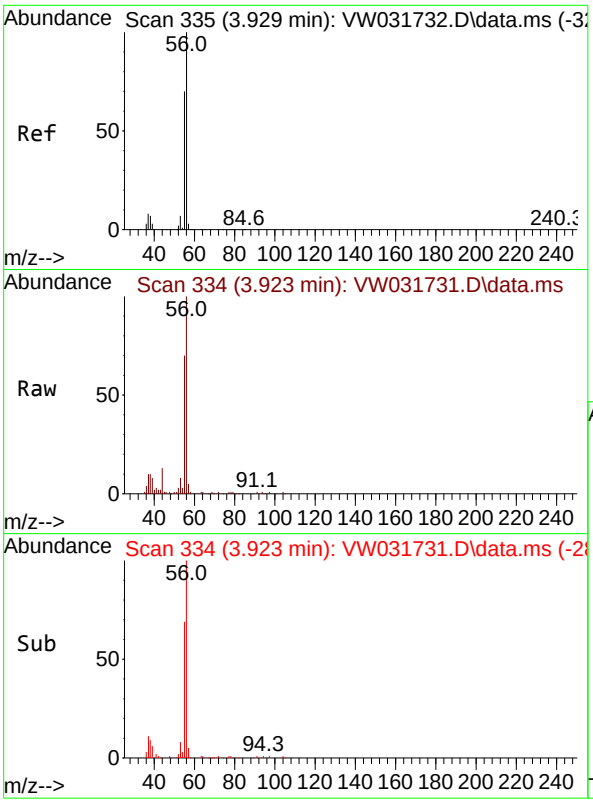


#12
1,1-Dichloroethene
Concen: 20.880 ug/l
RT: 4.069 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 96 Resp: 51343

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.8	203.8
98	58.7	50.4	75.6



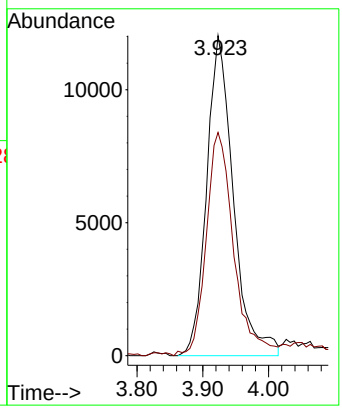


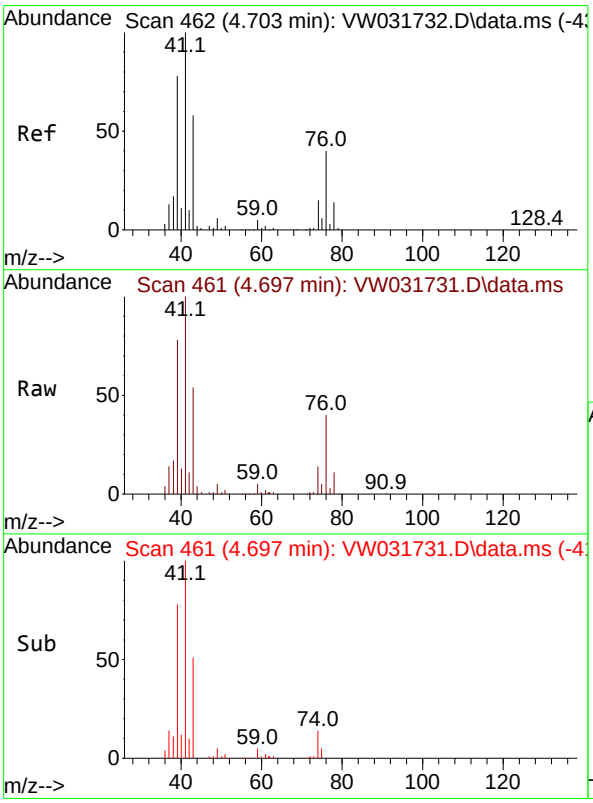
#13
Acrolein
Concen: 102.894 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33931

Ion	Ratio	Lower	Upper
56	100		
55	71.7	54.0	81.0

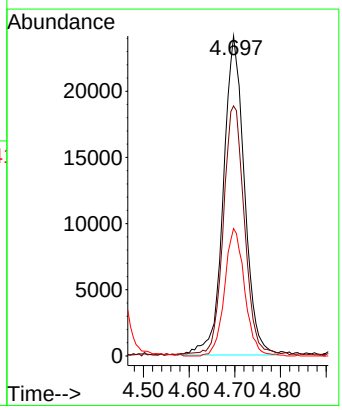


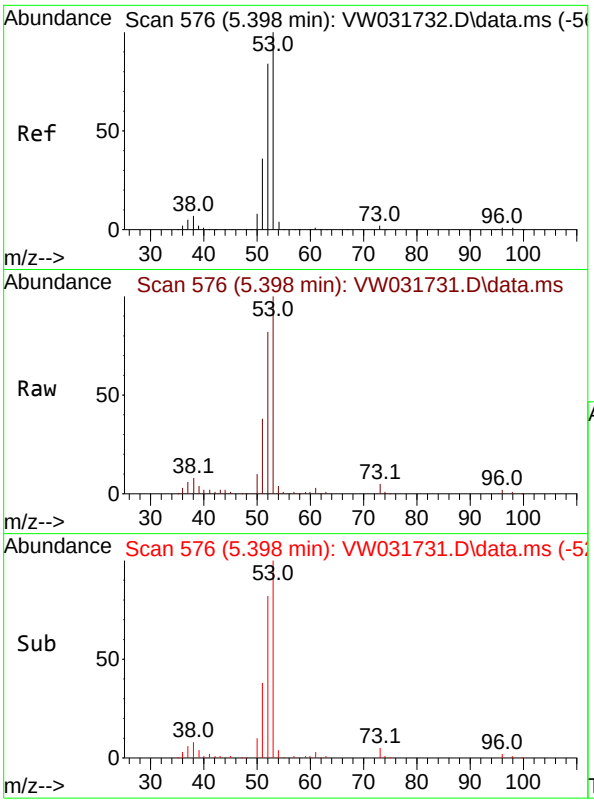


#14
Allyl chloride
Concen: 20.522 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 77423

Ion	Ratio	Lower	Upper
41	100		
39	77.6	60.7	91.1
76	38.1	30.3	45.5



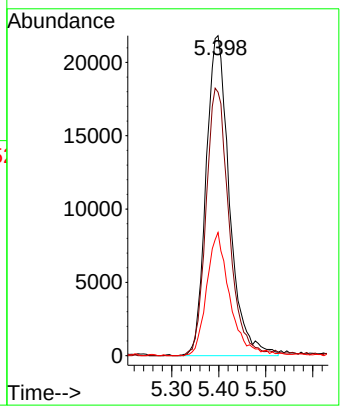


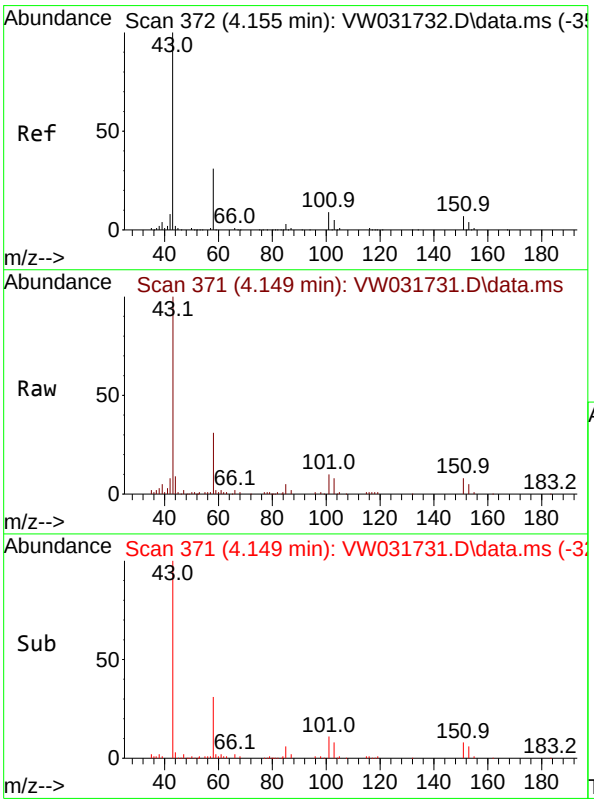
#15
Acrylonitrile
Concen: 99.411 ug/l
RT: 5.398 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 75131

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	38.5	29.9	44.9

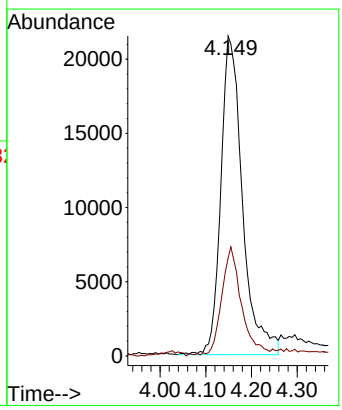


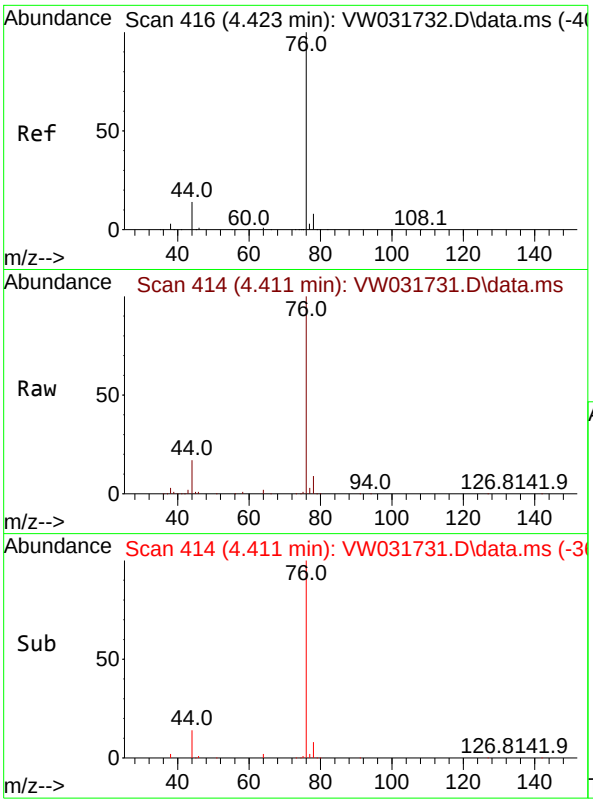


#16
Acetone
Concen: 95.875 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 70616

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.8	37.2



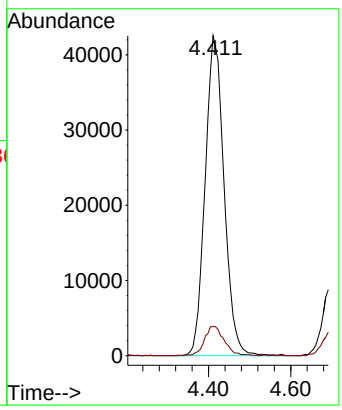


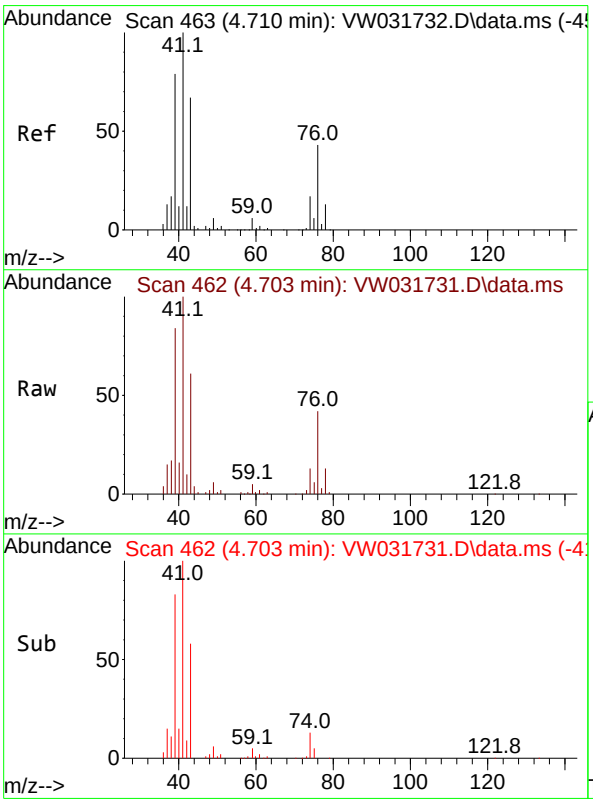
#17
Carbon Disulfide
Concen: 20.656 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 135917

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	10.0

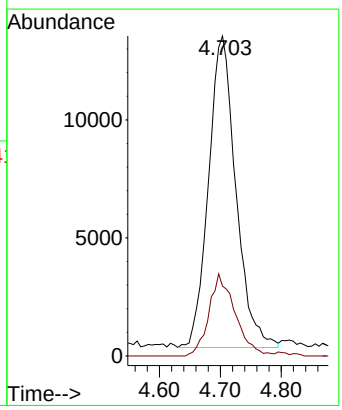


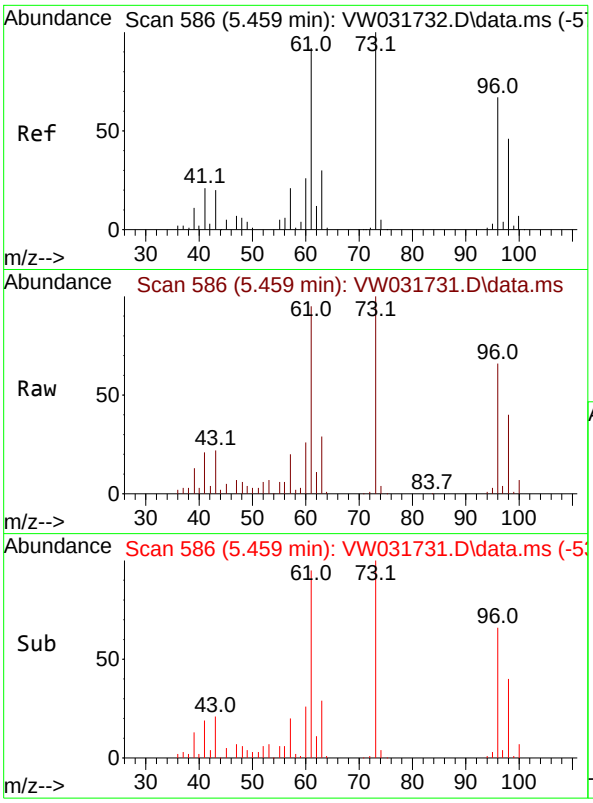


#18
Methyl Acetate
Concen: 19.649 ug/l
RT: 4.703 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 41106

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.6	30.8



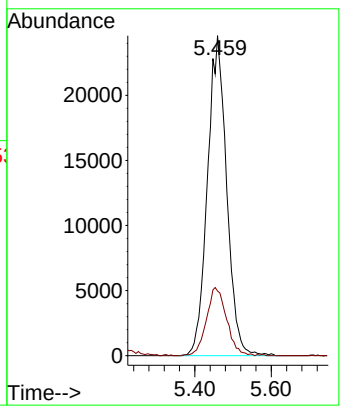


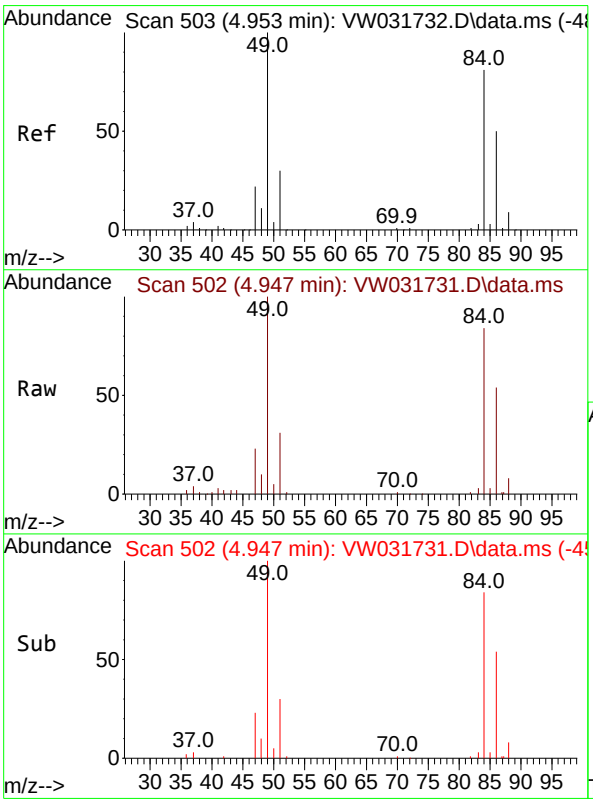
#19
Methyl tert-butyl Ether
Concen: 20.535 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 85702

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.2	25.8

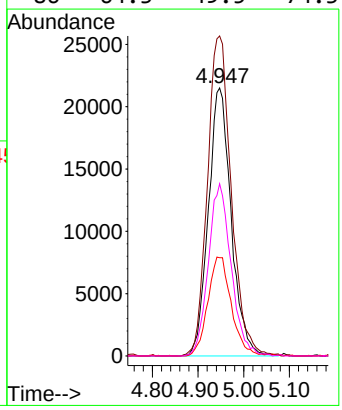


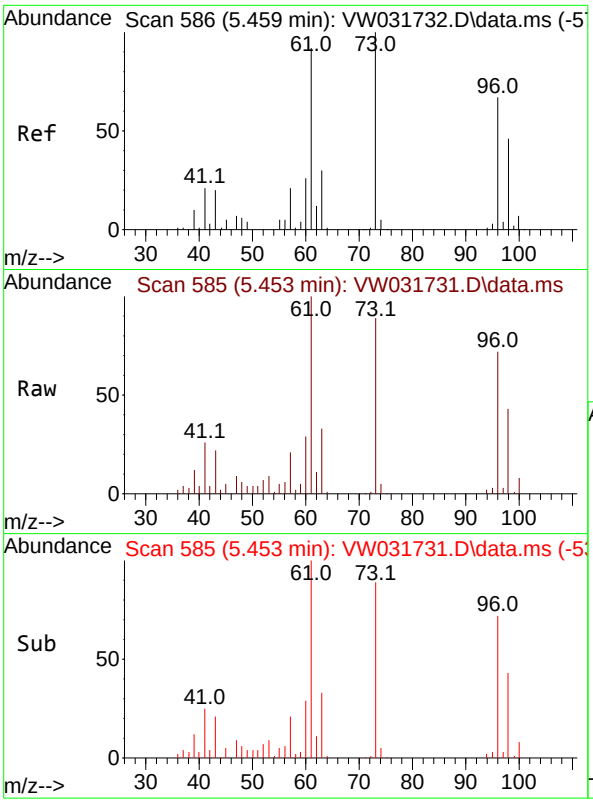


#20
Methylene Chloride
Concen: 22.889 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 84 Resp: 74694

Ion	Ratio	Lower	Upper
84	100		
49	119.4	98.2	147.4
51	36.6	29.8	44.8
86	64.3	49.5	74.3



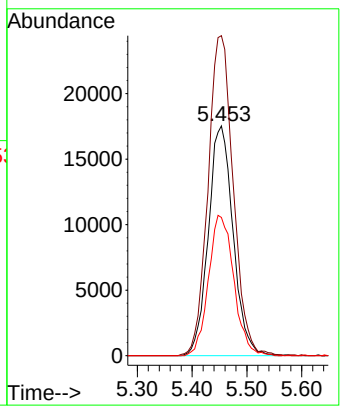


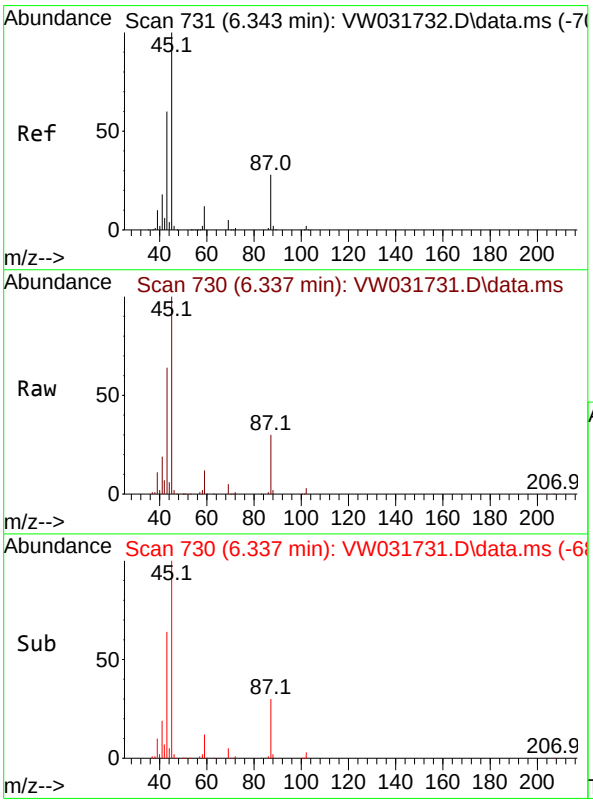
#21
trans-1,2-Dichloroethene
Concen: 21.078 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 55073

Ion	Ratio	Lower	Upper
96	100		
61	139.3	109.8	164.6
98	60.2	54.9	82.3

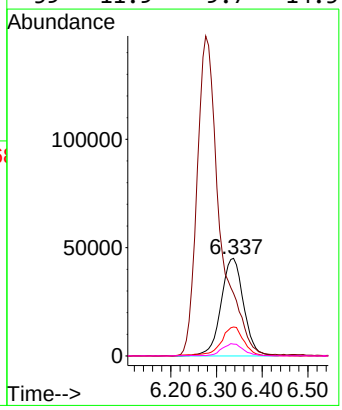


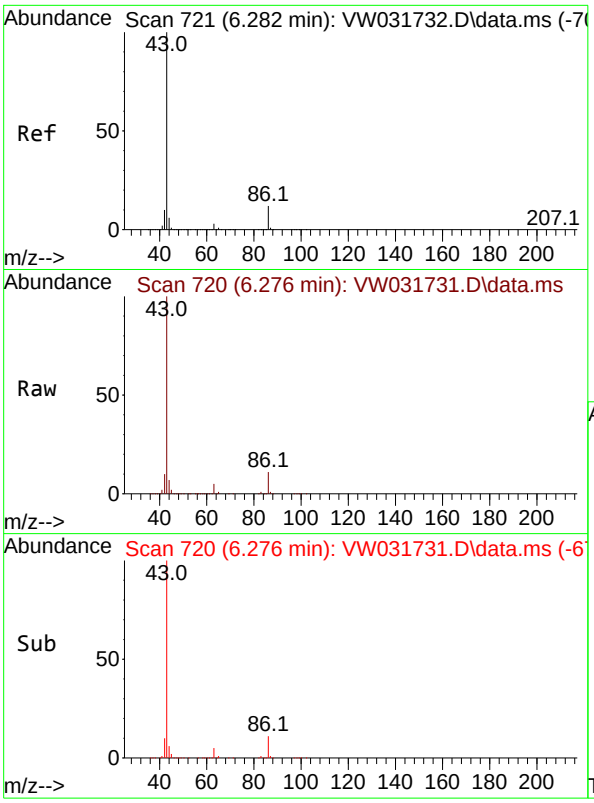


#22
Diisopropyl ether
Concen: 20.997 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 45 Resp: 154496

Ion	Ratio	Lower	Upper
45	100		
43	63.5	48.3	72.5
87	29.5	22.6	34.0
59	11.9	9.7	14.5



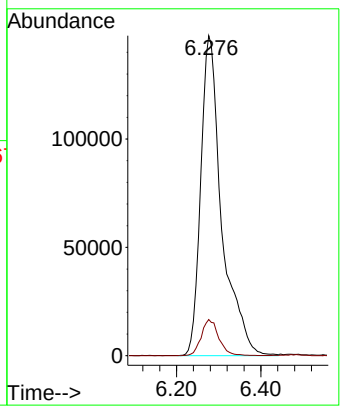


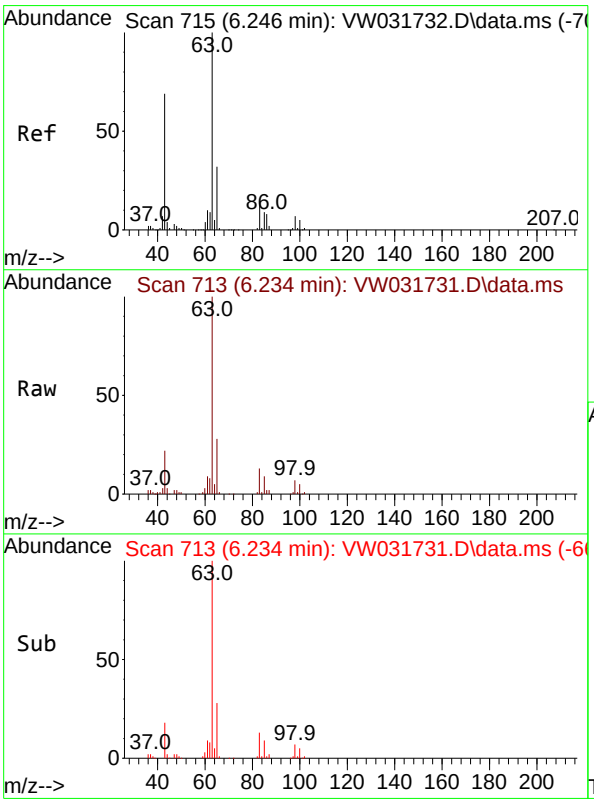
#23
Vinyl Acetate
Concen: 101.822 ug/l
RT: 6.276 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 511743

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8

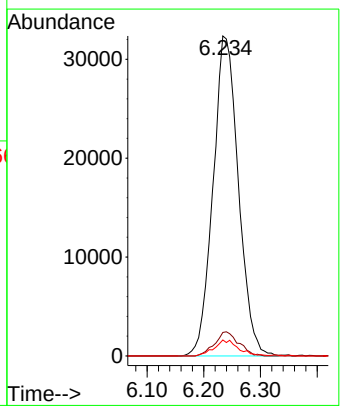


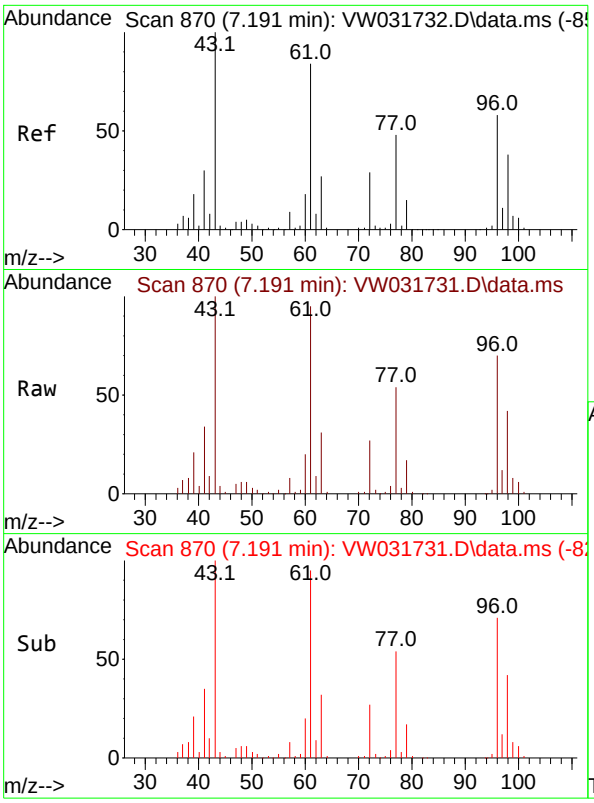


#24
1,1-Dichloroethane
Concen: 21.090 ug/l
RT: 6.234 min Scan# 713
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 100608

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.6
100	5.0	2.5	7.5



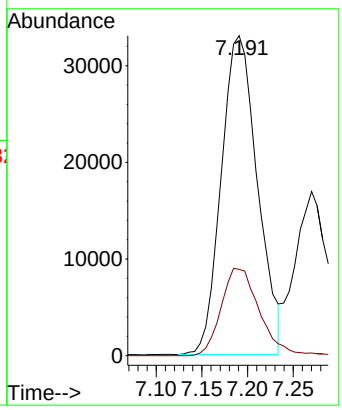


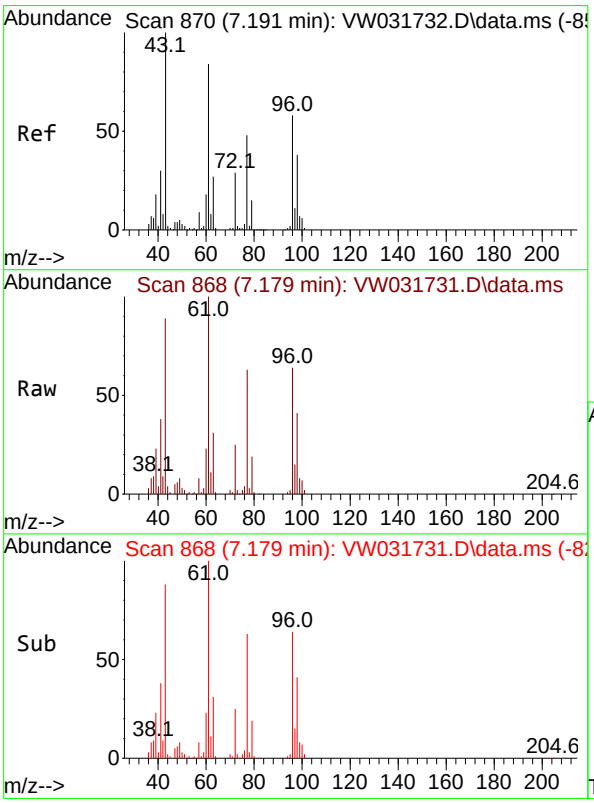
#25
2-Butanone
Concen: 95.657 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 91095

Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.0	34.6

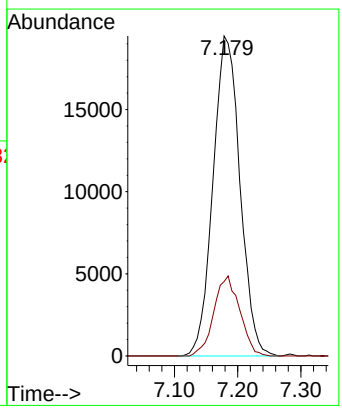


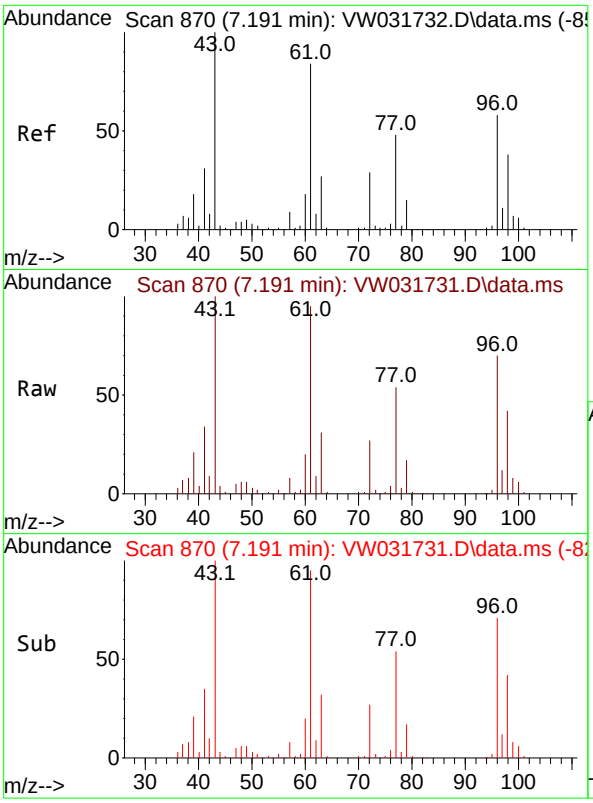


#26
2,2-Dichloropropane
Concen: 20.695 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 77 Resp: 57600

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.6	34.7



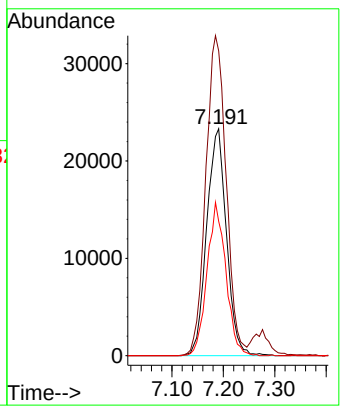


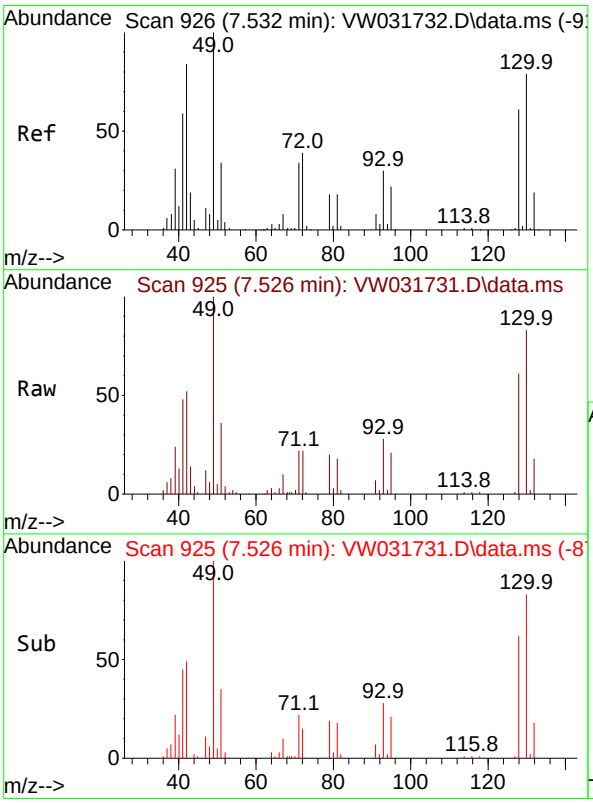
#27
cis-1,2-Dichloroethene
Concen: 20.725 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 62244

Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	286.8
98	64.4	0.0	130.4

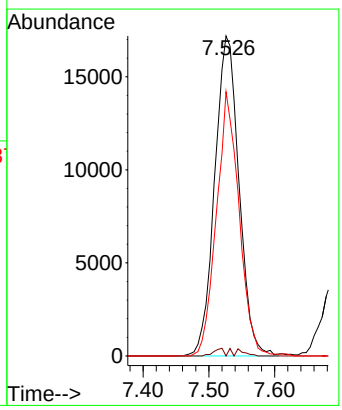


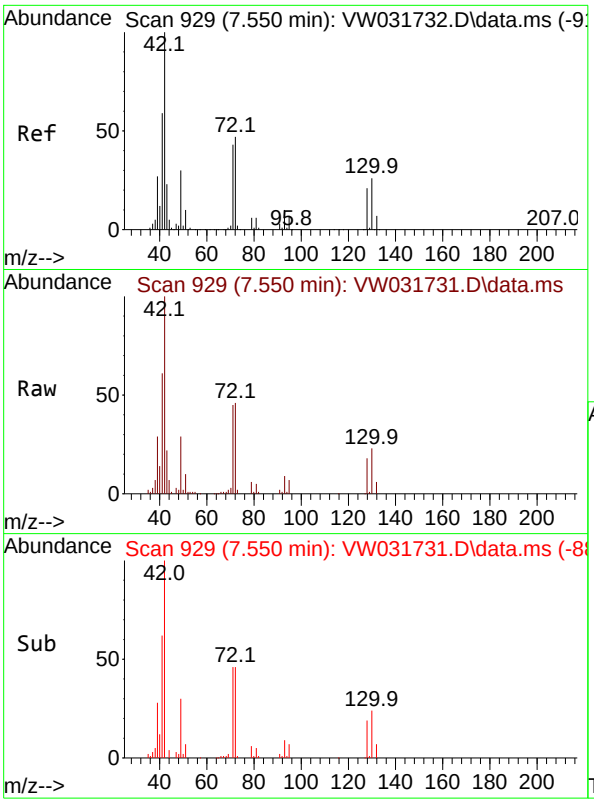


#28
Bromochloromethane
Concen: 20.988 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 49 Resp: 44182

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.4
130	76.9	61.3	91.9



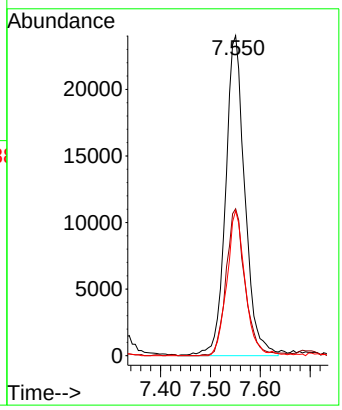


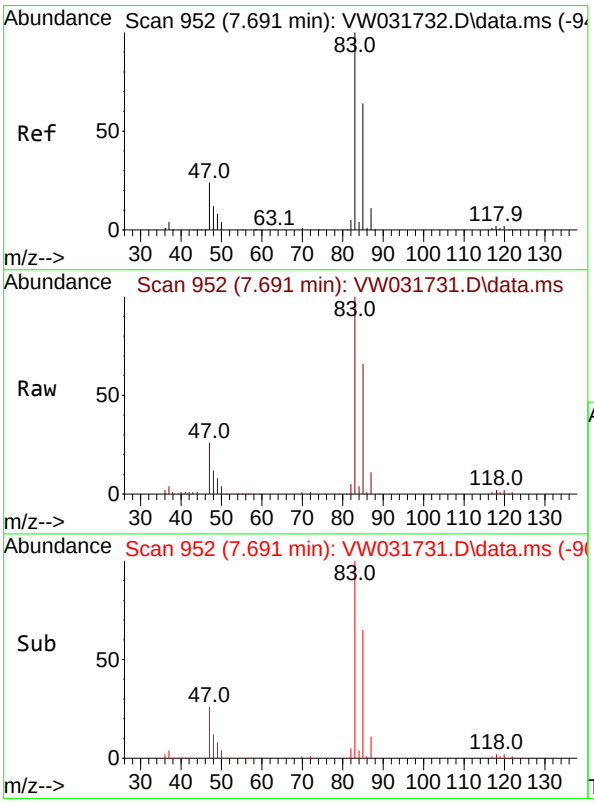
#29
Tetrahydrofuran
Concen: 98.896 ug/l
RT: 7.550 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 64497

Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.8	55.2
71	42.4	34.6	52.0

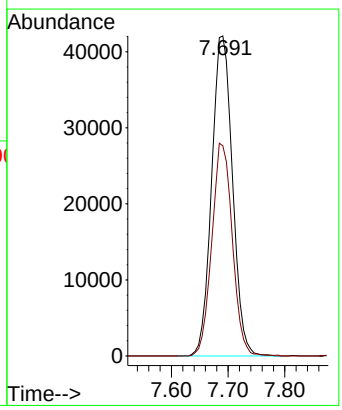


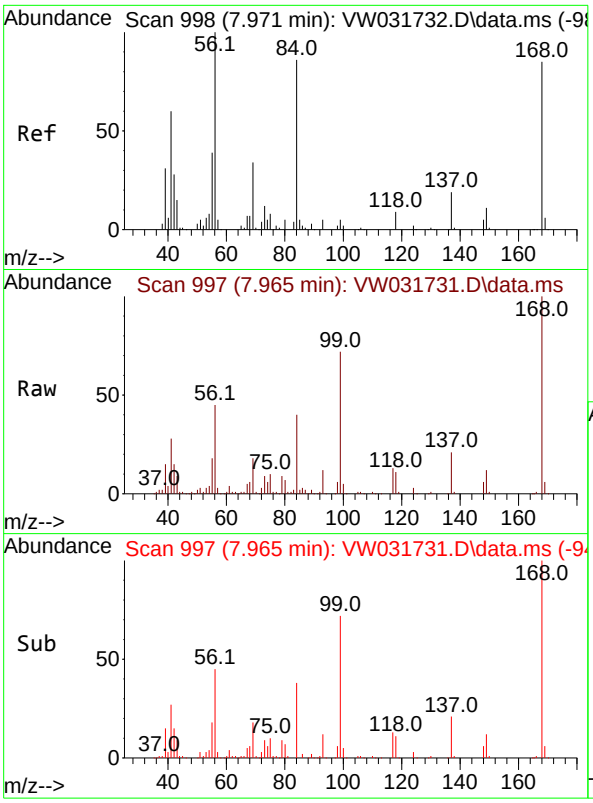


#30
Chloroform
Concen: 21.148 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 107197

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0



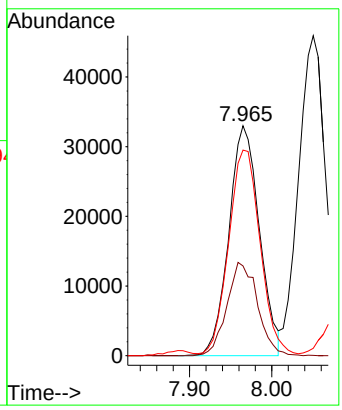


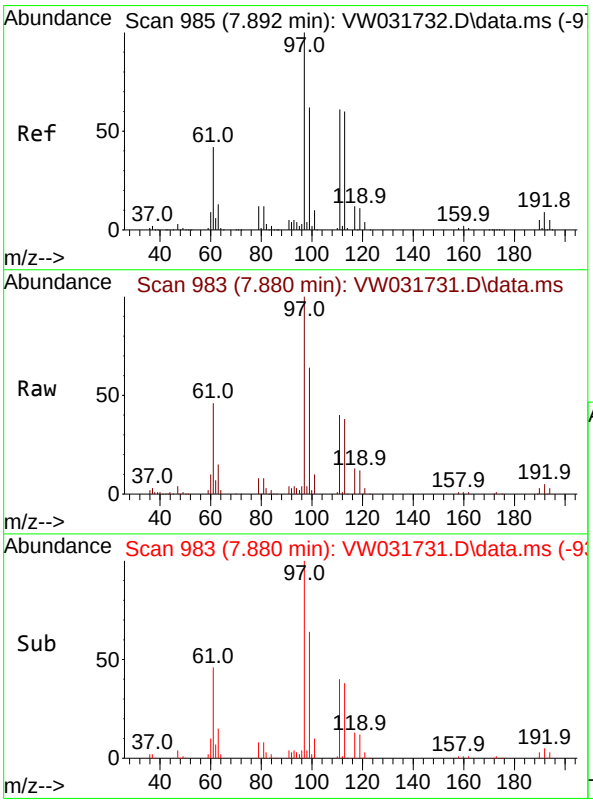
#31
Cyclohexane
Concen: 20.213 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 85236

Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.2	40.8
84	87.2	68.5	102.7

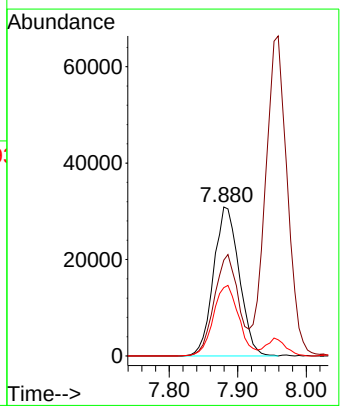


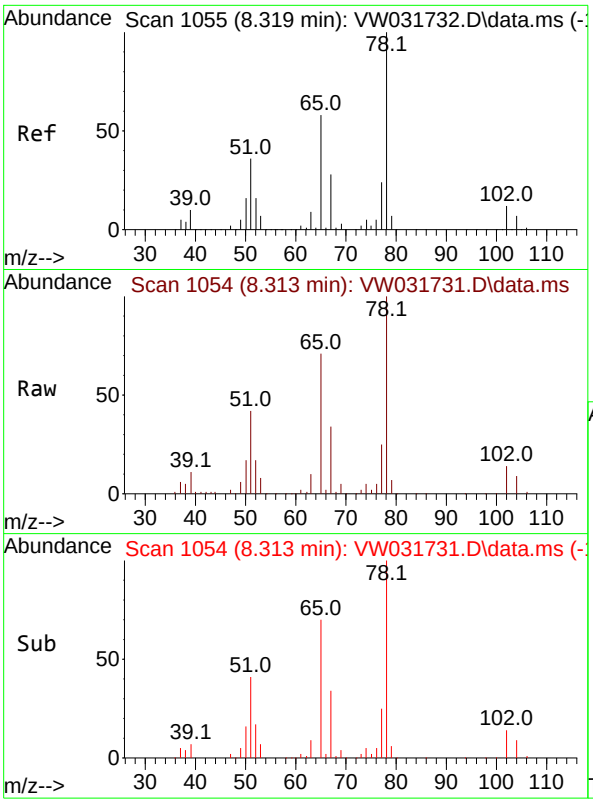


#32
1,1,1-Trichloroethane
Concen: 20.509 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.012 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 97 Resp: 80117

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	47.2	36.0	54.0



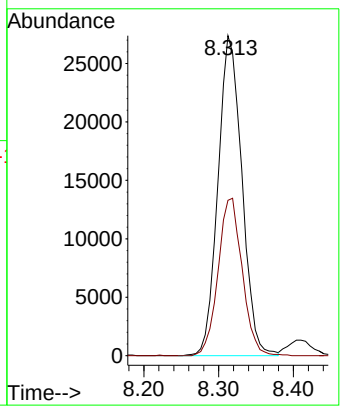


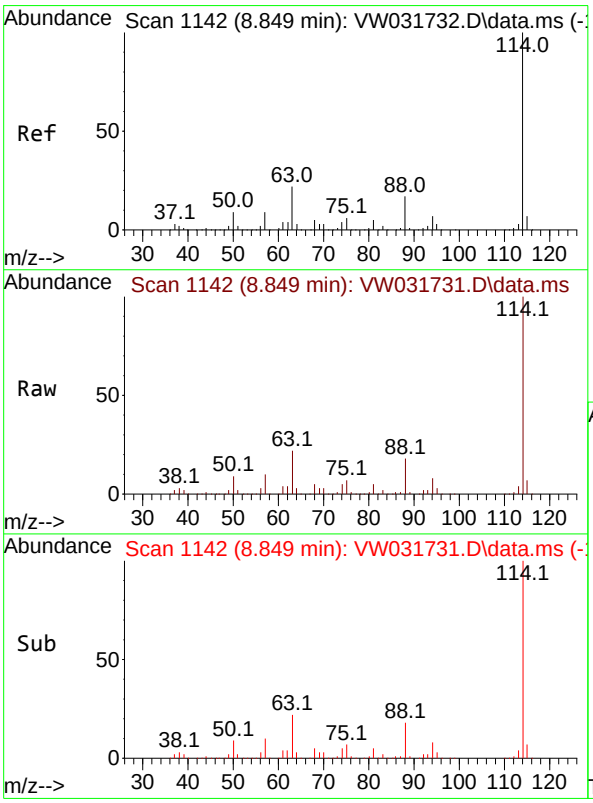
#33
1,2-Dichloroethane-d4
Concen: 20.609 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 61033

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.4

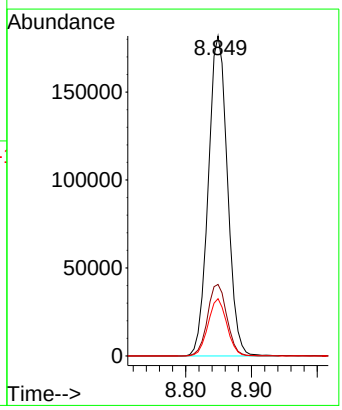


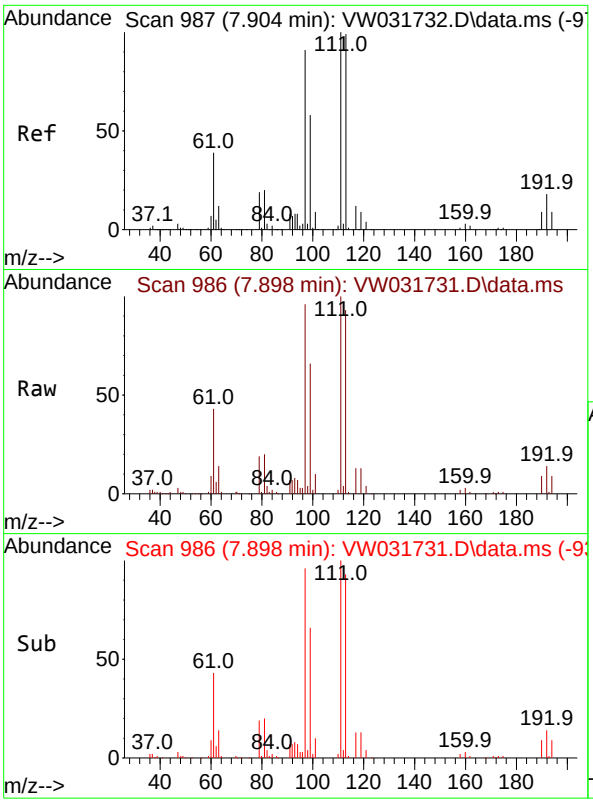


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:114 Resp: 368808

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.6
88	17.9	0.0	34.2



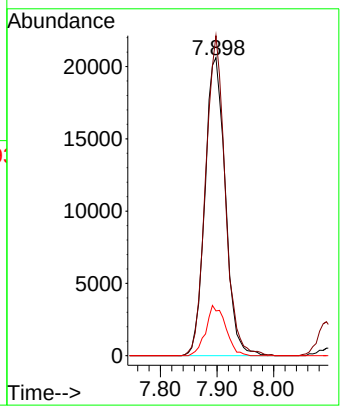


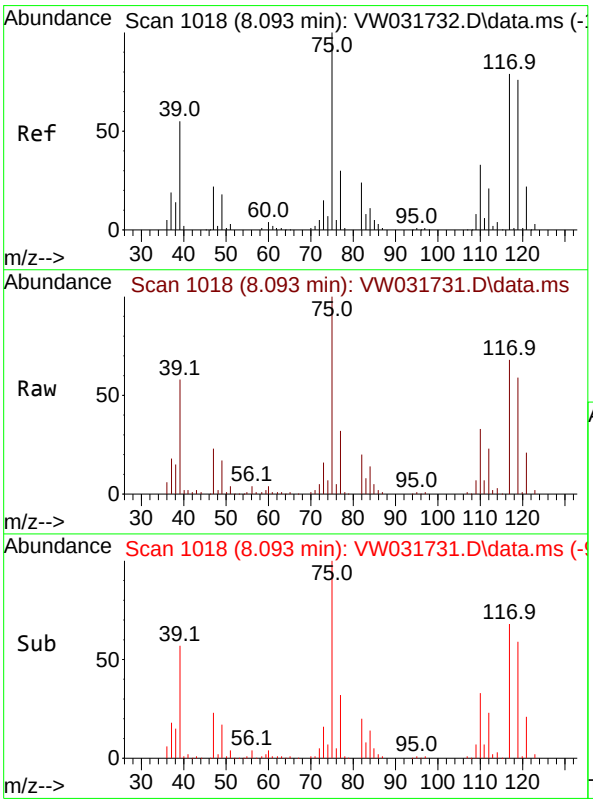
#35
Dibromofluoromethane
Concen: 21.346 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 51372

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	16.5	13.8	20.6

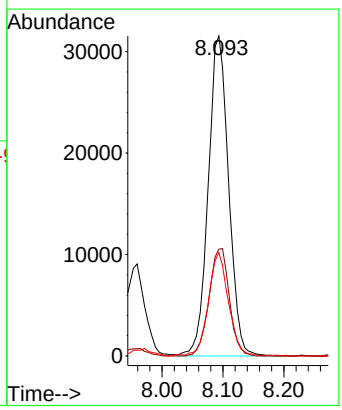


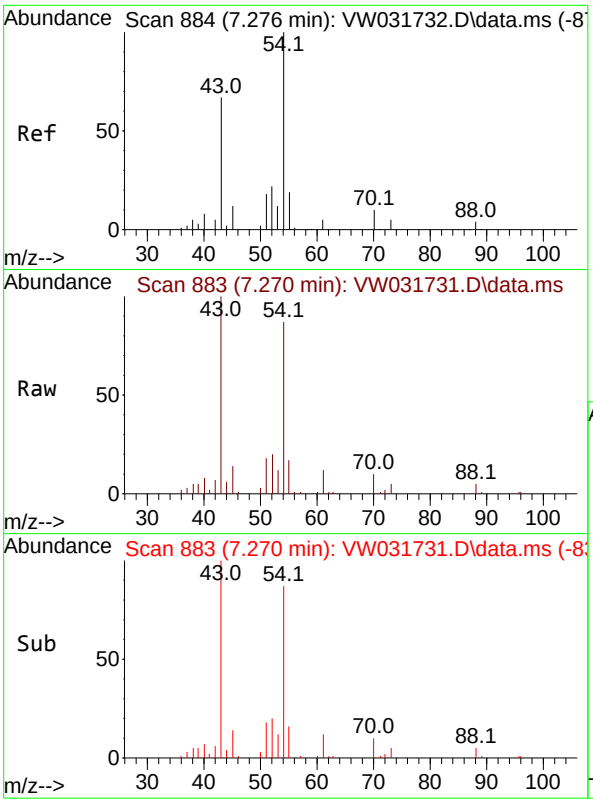


#36
1,1-Dichloropropene
Concen: 21.061 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 73346

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.6	25.0	37.6



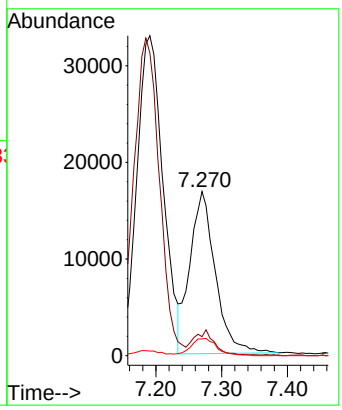


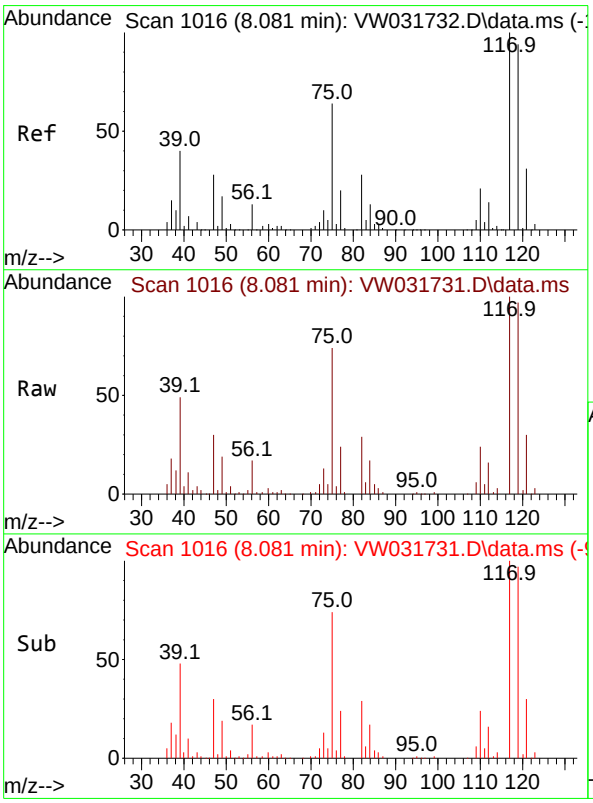
#37
Ethyl Acetate
Concen: 20.512 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 45062

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	10.9	9.2	13.8

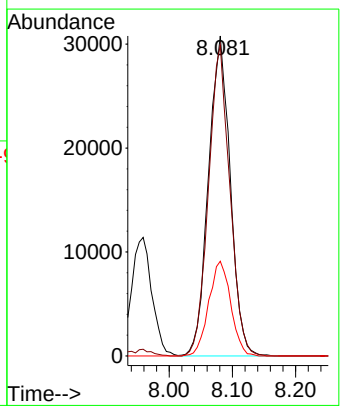


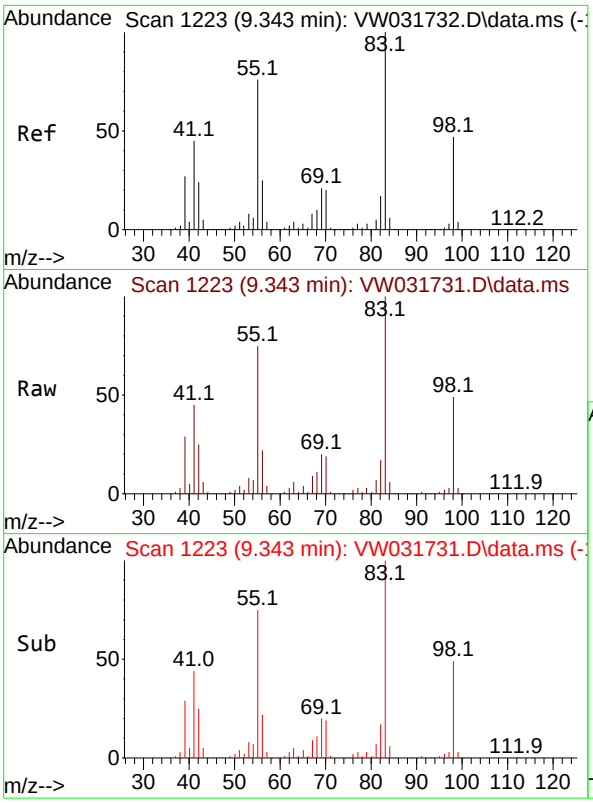


#38
Carbon Tetrachloride
Concen: 20.706 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:117 Resp: 73482

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.0	112.6
121	29.6	24.6	37.0



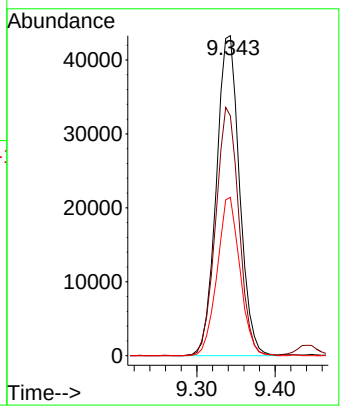


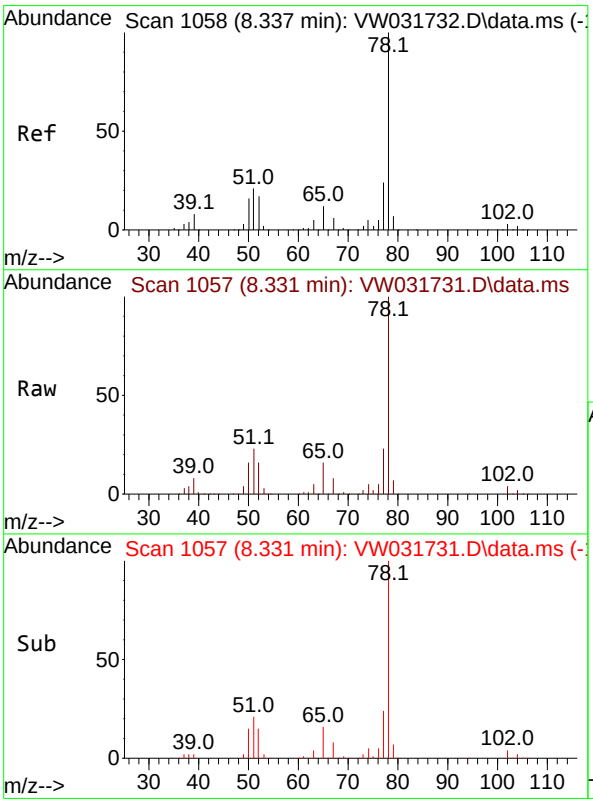
#39
Methylcyclohexane
Concen: 20.560 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 89081

Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	49.5	37.9	56.9

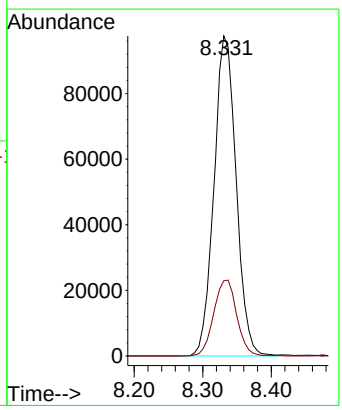


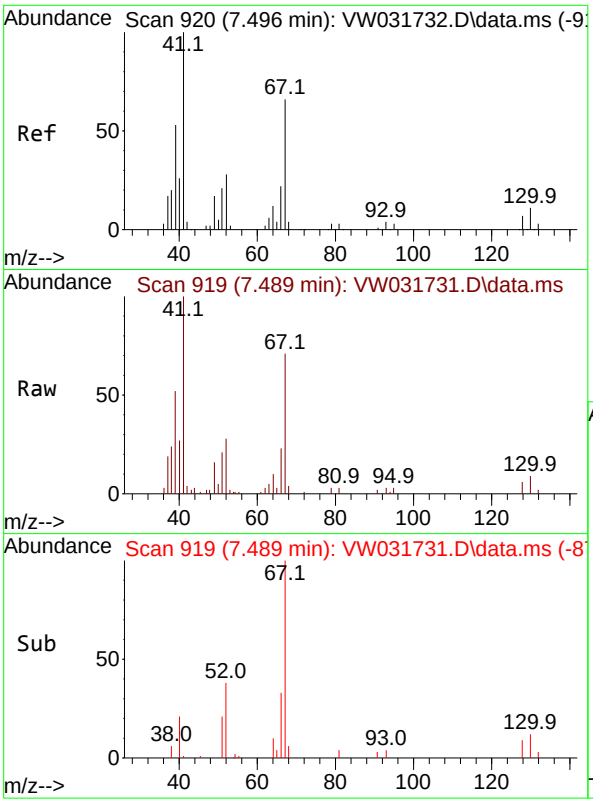


#40
Benzene
Concen: 21.231 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 78 Resp: 218756

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8



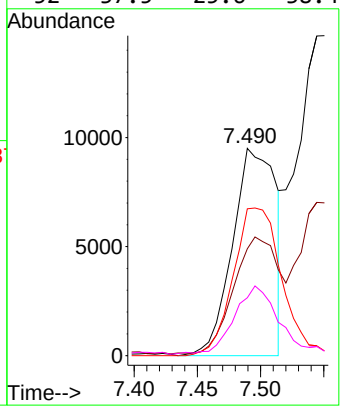


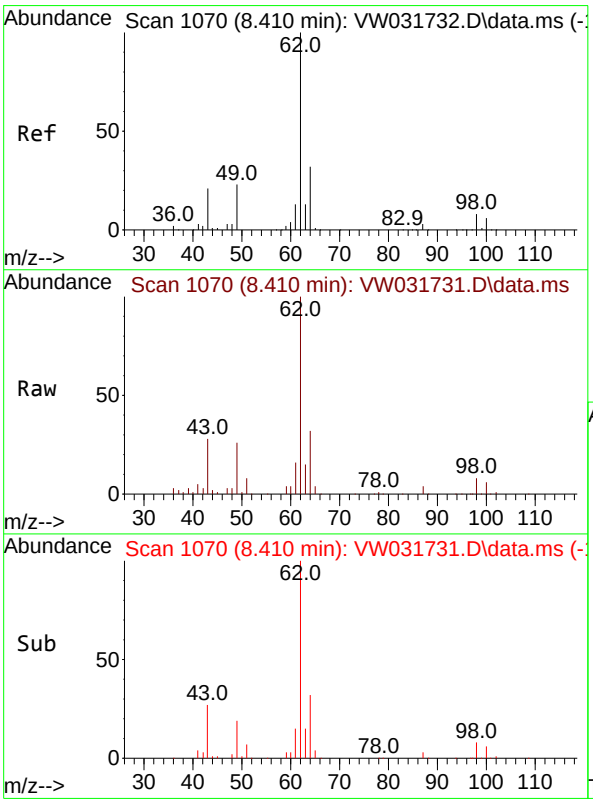
#41
Methacrylonitrile
Concen: 19.154 ug/l
RT: 7.489 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 22541

Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.2	64.8
67	80.5	58.1	87.1
52	37.5	25.6	38.4

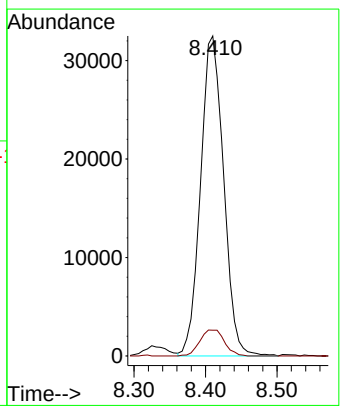


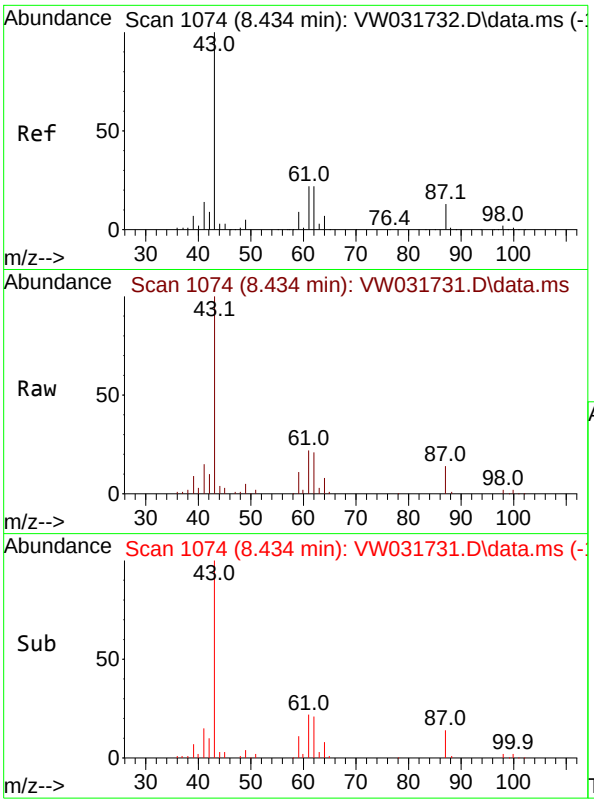


#42
1,2-Dichloroethane
Concen: 20.910 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 72797

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2



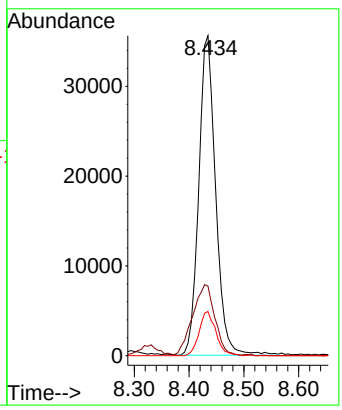


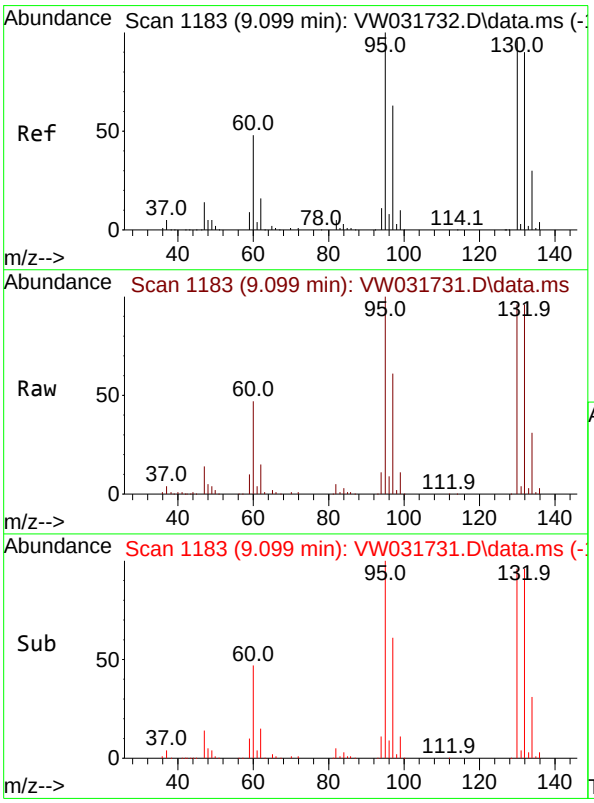
#43
Isopropyl Acetate
Concen: 20.101 ug/l
RT: 8.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 76119

Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.7	10.8	16.2

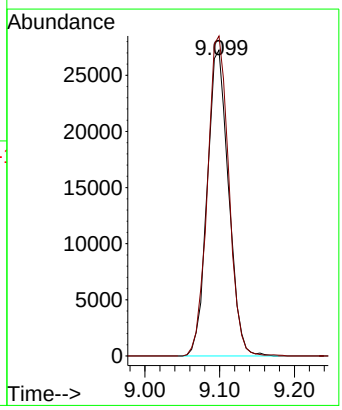


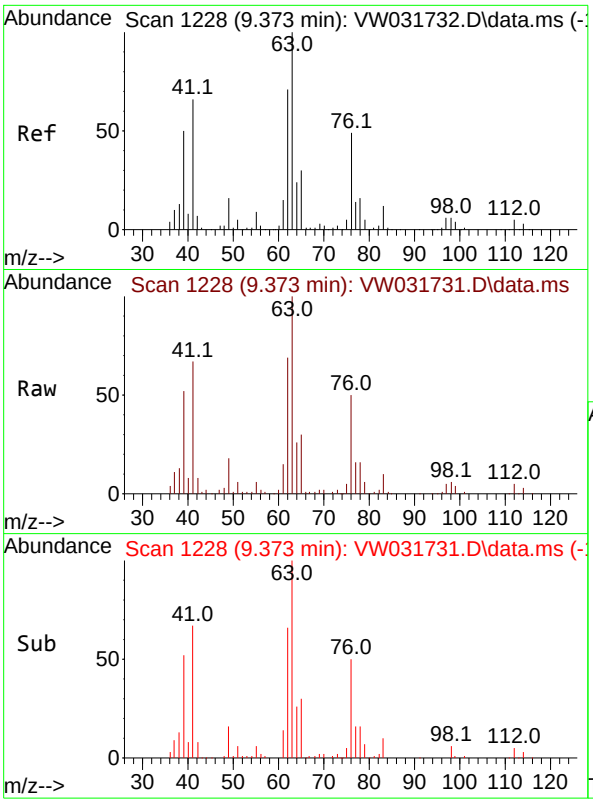


#44
Trichloroethene
Concen: 21.074 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:130 Resp: 54194

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	208.6



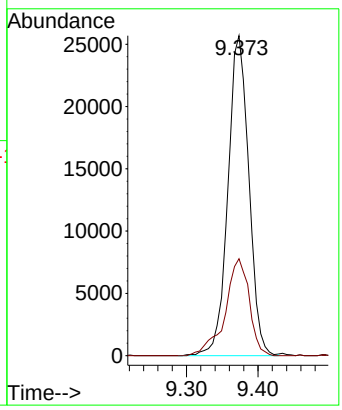


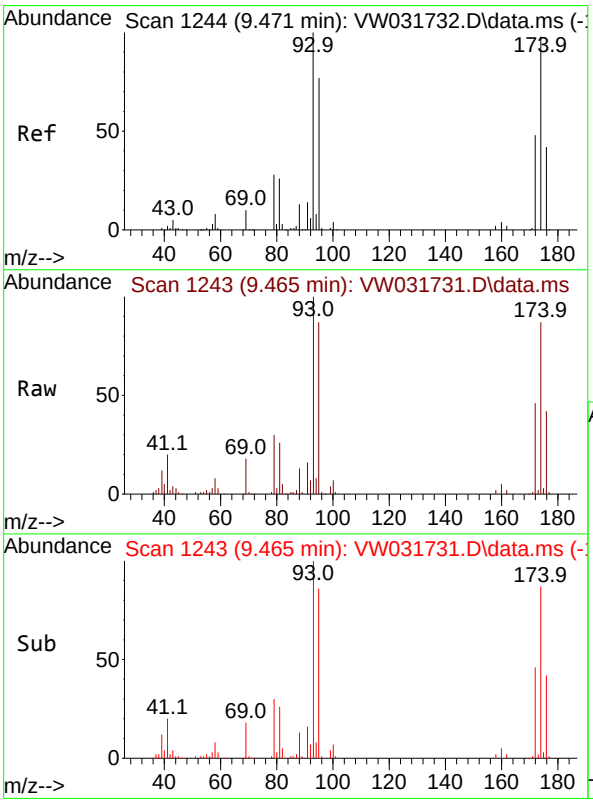
#45
1,2-Dichloropropane
Concen: 20.939 ug/l
RT: 9.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 52141

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

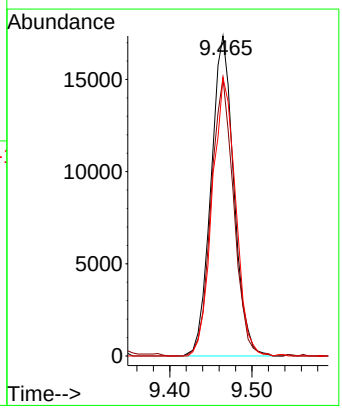


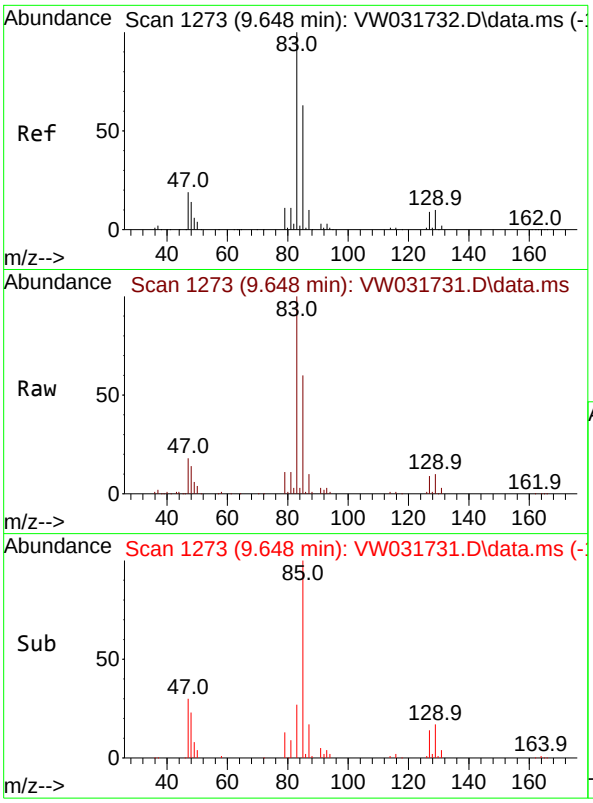


#46
Dibromomethane
Concen: 20.817 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 93 Resp: 33467

Ion	Ratio	Lower	Upper
93	100		
95	86.0	67.0	100.4
174	88.9	71.7	107.5



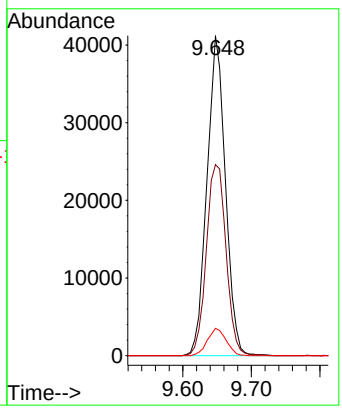


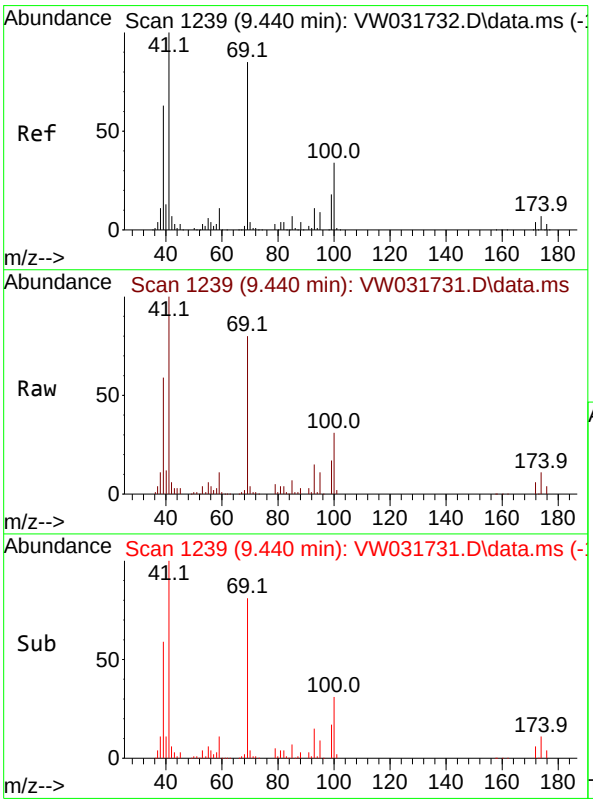
#47
Bromodichloromethane
Concen: 20.490 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 77246

Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.8	76.2
127	8.5	6.8	10.2

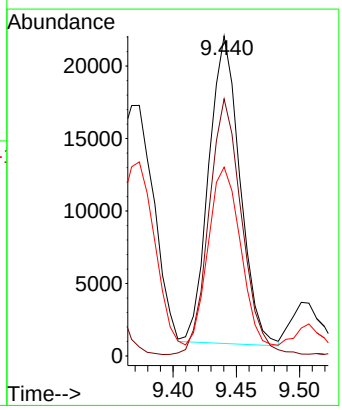


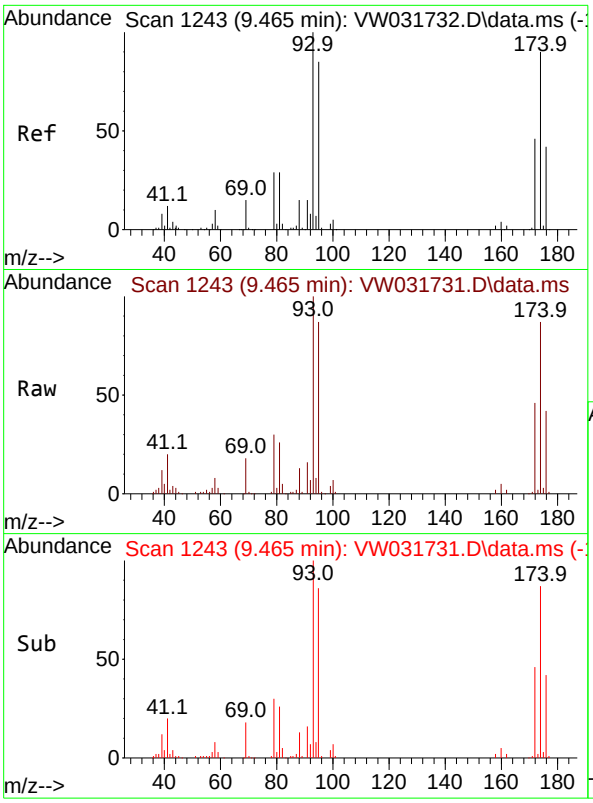


#48
Methyl methacrylate
Concen: 19.484 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 36279

Ion	Ratio	Lower	Upper
41	100		
69	87.9	71.6	107.4
39	60.7	49.5	74.3



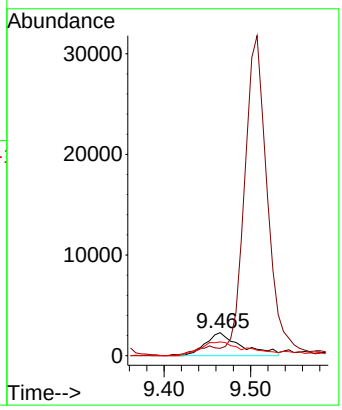


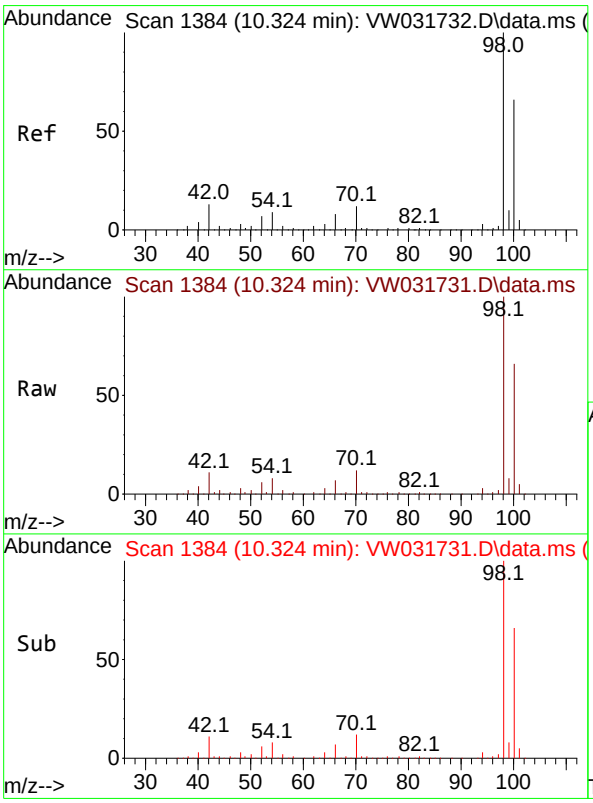
#49
1,4-Dioxane
Concen: 381.413 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 6528

Ion	Ratio	Lower	Upper
88	100		
43	29.5	0.0	0.0#
58	76.8	58.3	87.5

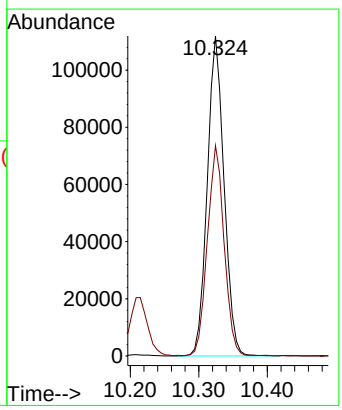


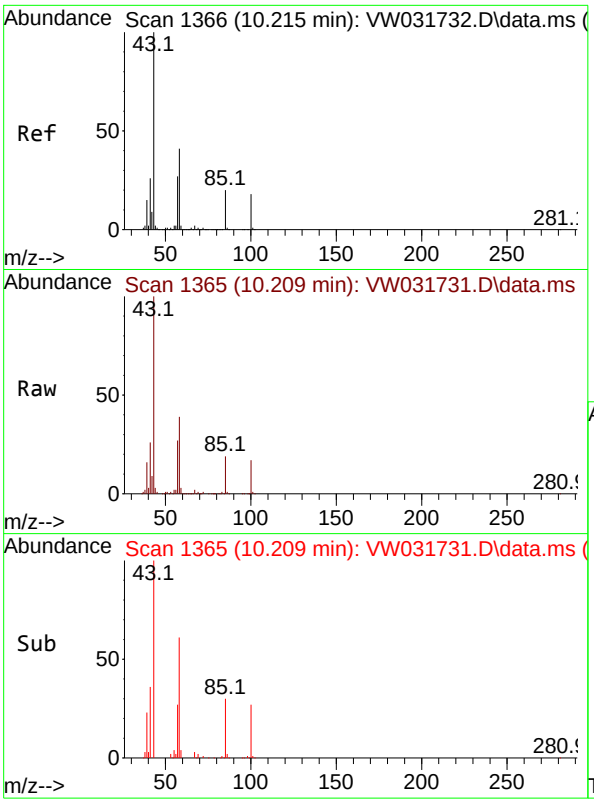


#50
Toluene-d8
Concen: 21.241 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 98 Resp: 190235

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4



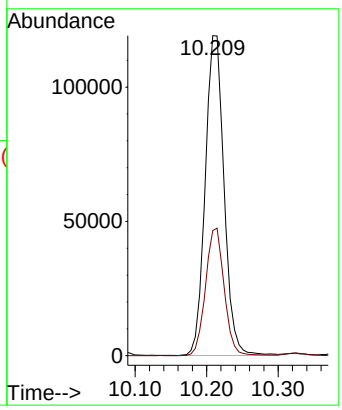


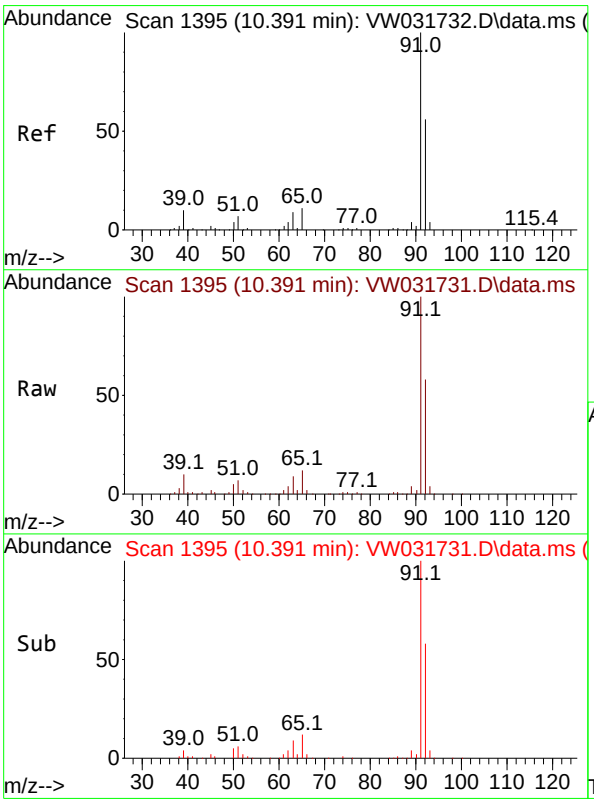
#51
4-Methyl-2-Pentanone
Concen: 100.078 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 217881

Ion	Ratio	Lower	Upper
43	100		
58	39.5	32.2	48.2

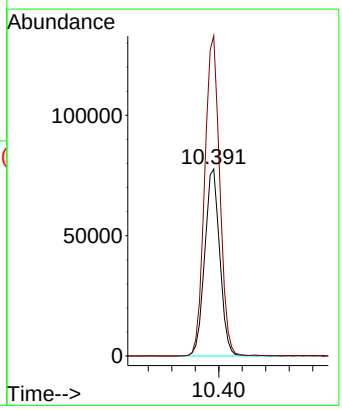


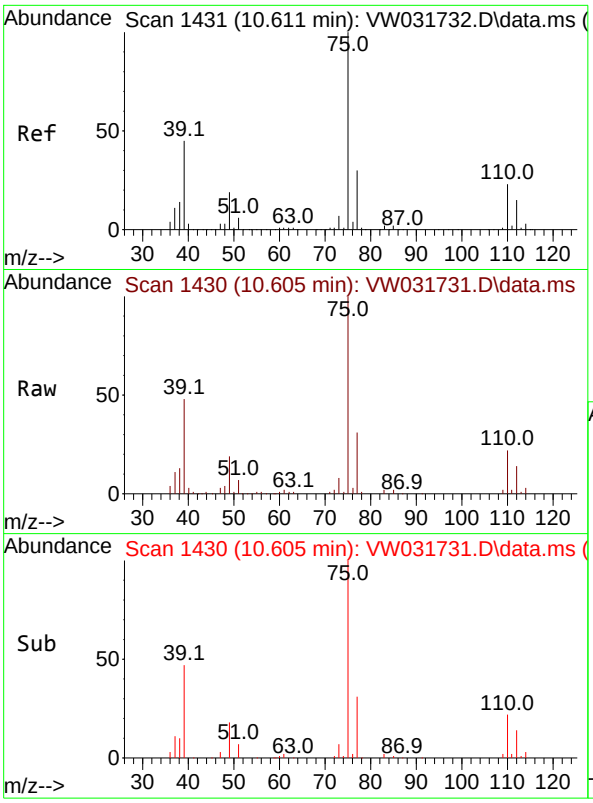


#52
Toluene
Concen: 20.978 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 92 Resp: 138387

Ion	Ratio	Lower	Upper
92	100		
91	171.4	139.5	209.3



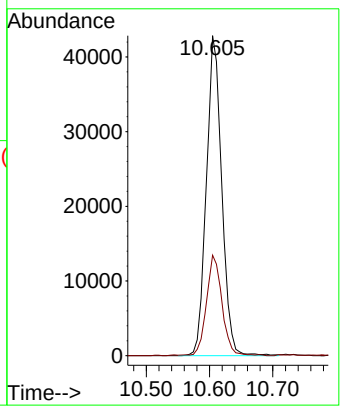


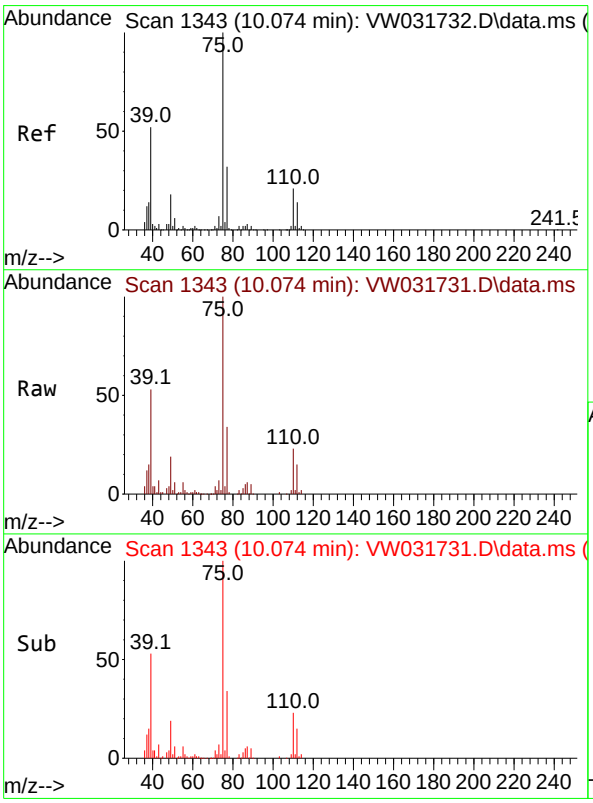
#53
t-1,3-Dichloropropene
Concen: 20.496 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 72498

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.3	36.5

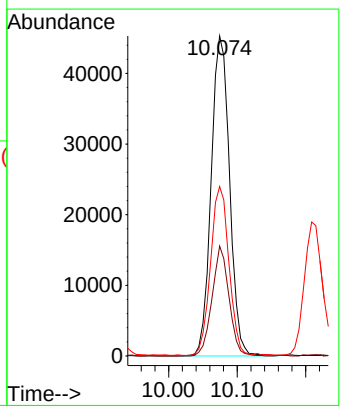


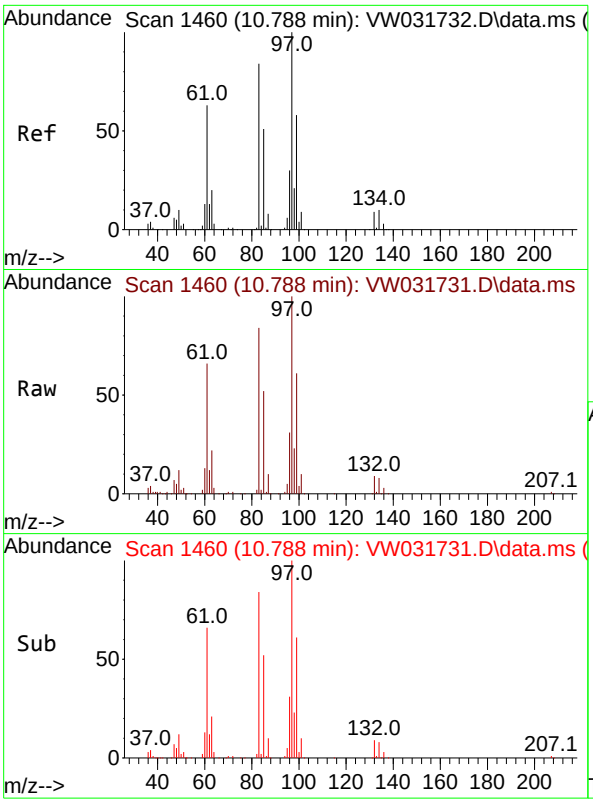


#54
cis-1,3-Dichloropropene
Concen: 21.019 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 84285

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.4	38.2
39	52.7	41.8	62.6



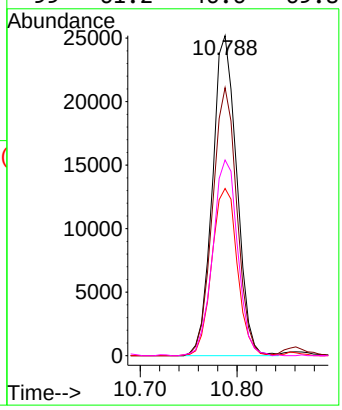


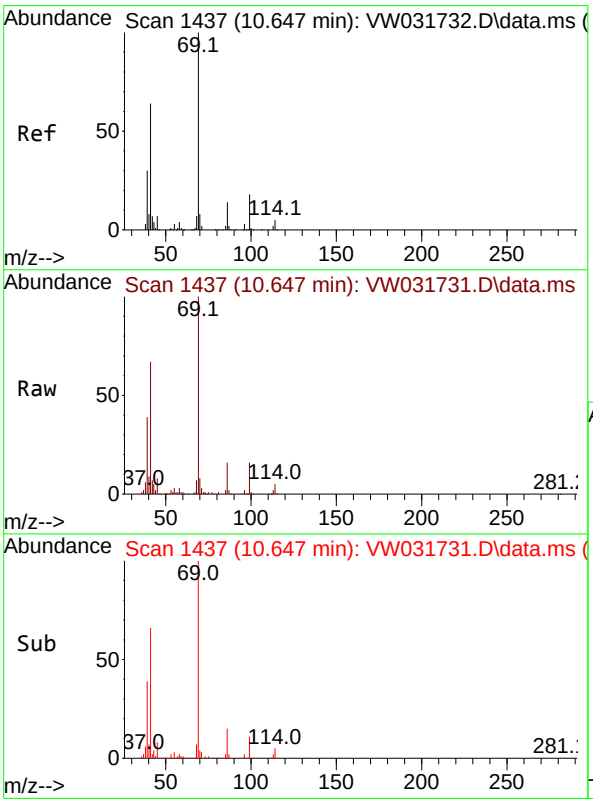
#55
1,1,2-Trichloroethane
Concen: 20.957 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 44134

Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.9	100.3
85	52.2	41.1	61.7
99	61.2	46.6	69.8

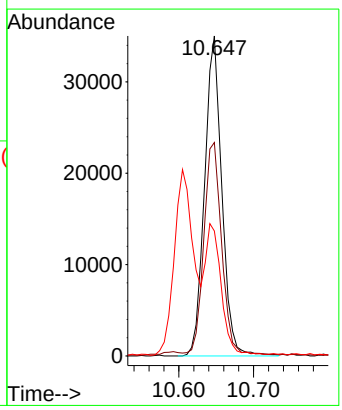


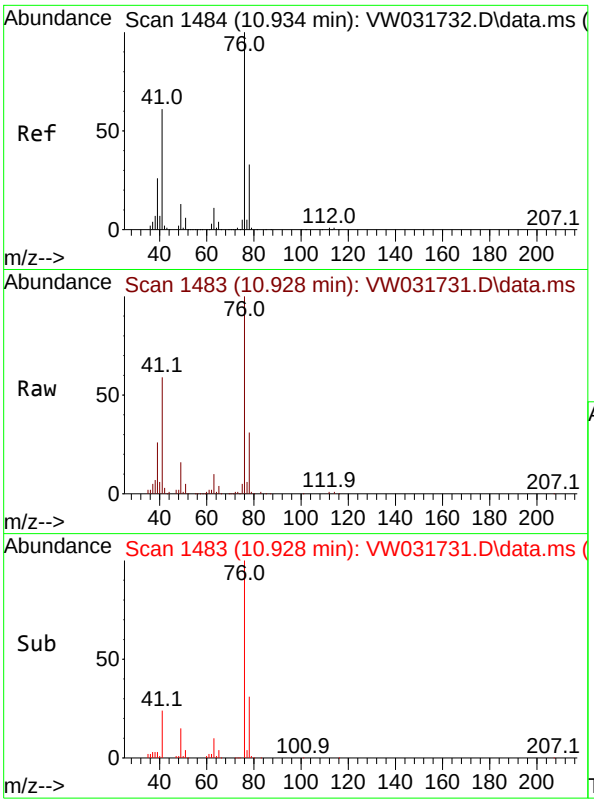


#56
Ethyl methacrylate
Concen: 19.681 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 69 Resp: 56229

Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.3	79.9
39	37.5	30.2	45.2



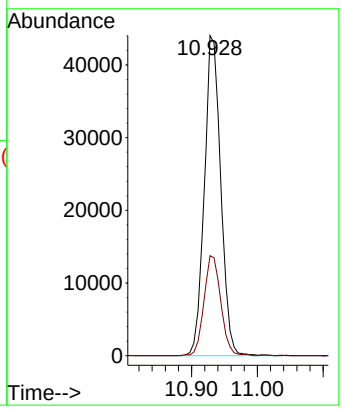


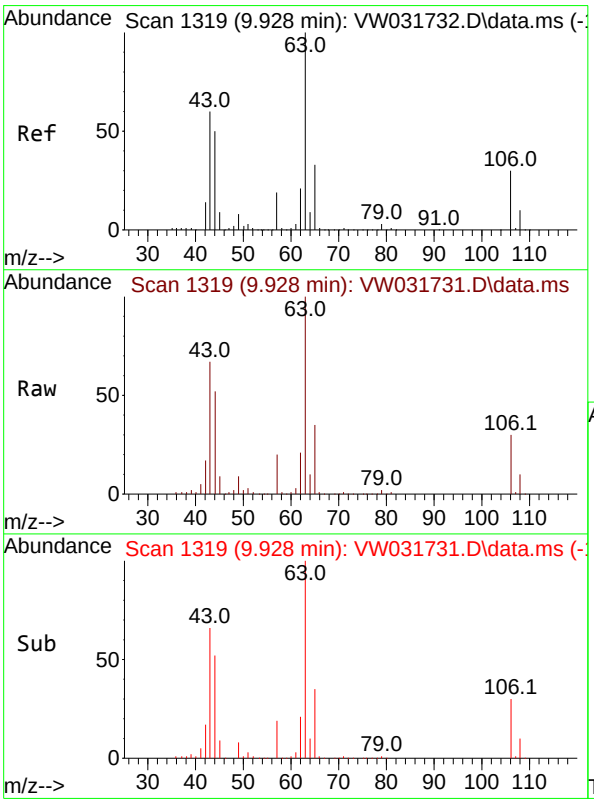
#57
1,3-Dichloropropane
Concen: 20.654 ug/l
RT: 10.928 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 76367

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

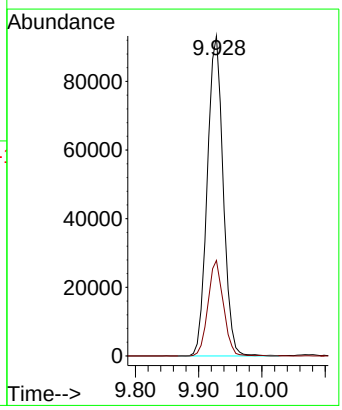


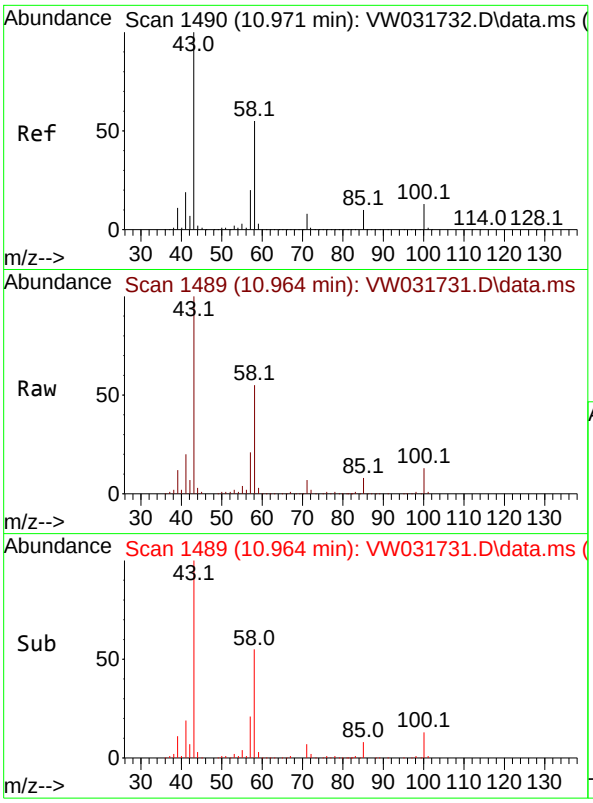


#58
2-Chloroethyl Vinyl ether
Concen: 103.330 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 162561

Ion	Ratio	Lower	Upper
63	100		
106	29.0	24.1	36.1



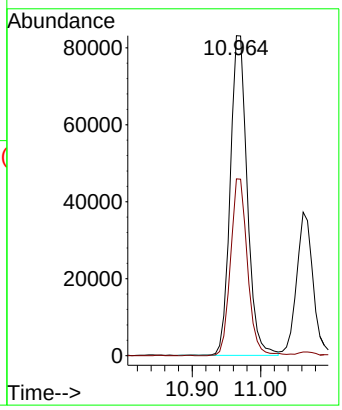


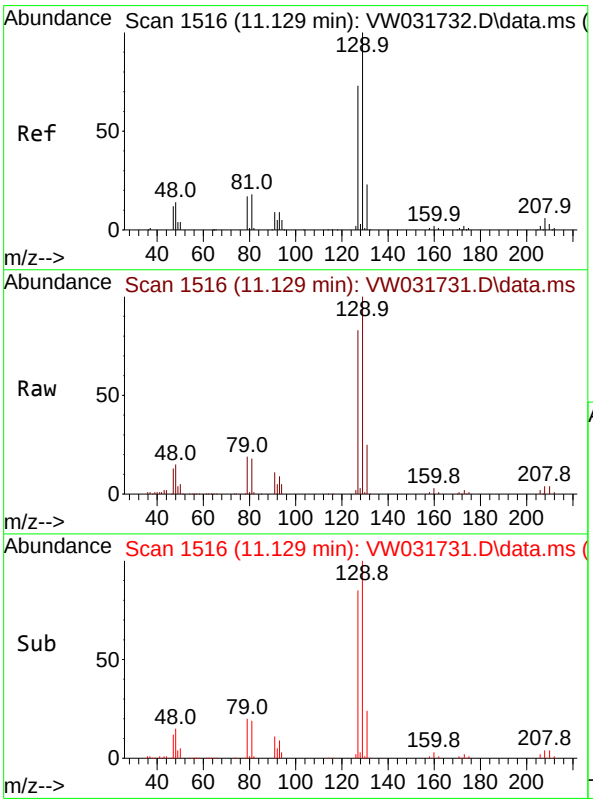
#59
2-Hexanone
Concen: 97.256 ug/l
RT: 10.964 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 143482

Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.9	83.6

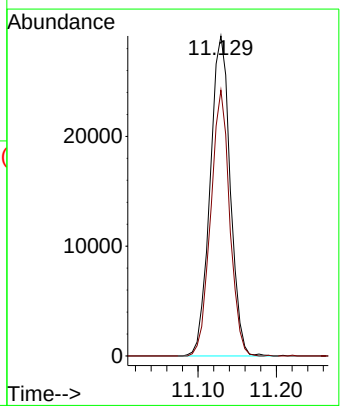


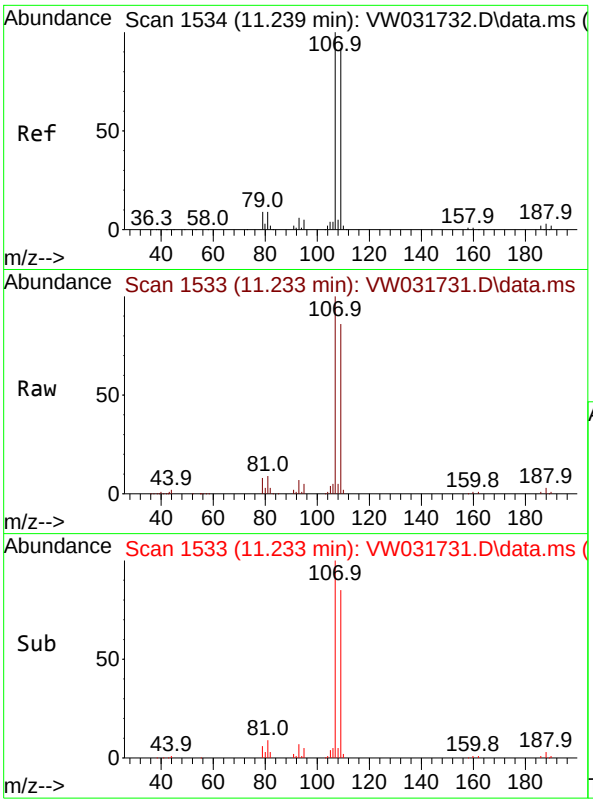


#60
Dibromochloromethane
Concen: 20.699 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:129 Resp: 52126

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.0	114.1



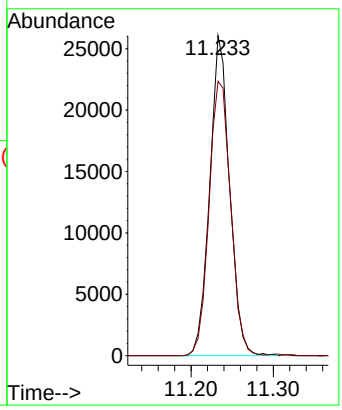


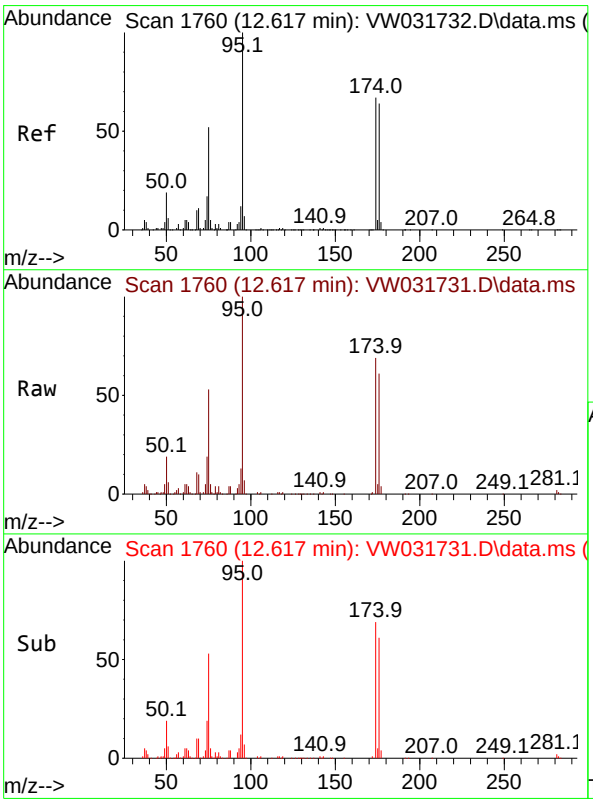
#61
1,2-Dibromoethane
Concen: 20.729 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 43701

Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.9	110.9

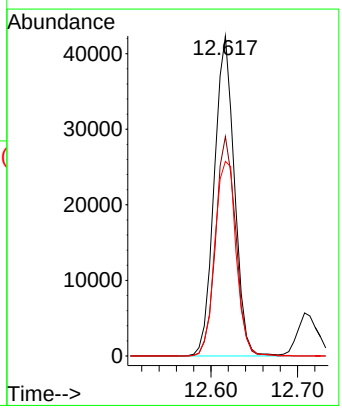


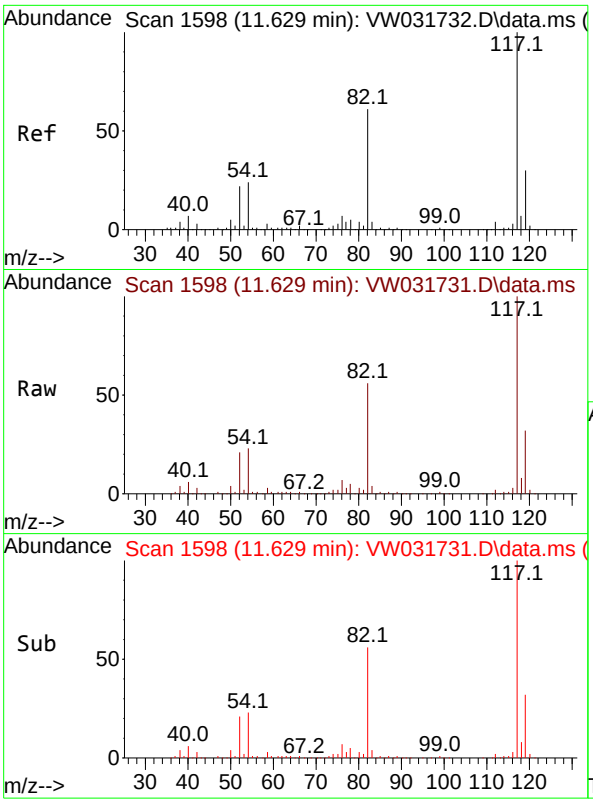


#62
4-Bromofluorobenzene
Concen: 20.714 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 95 Resp: 68269

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	133.8
176	64.9	0.0	126.0



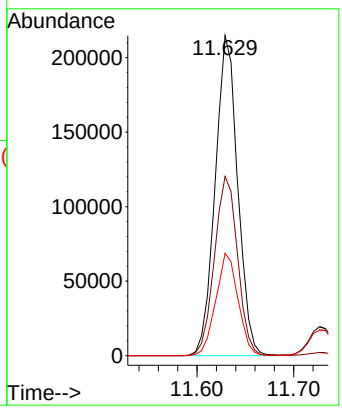


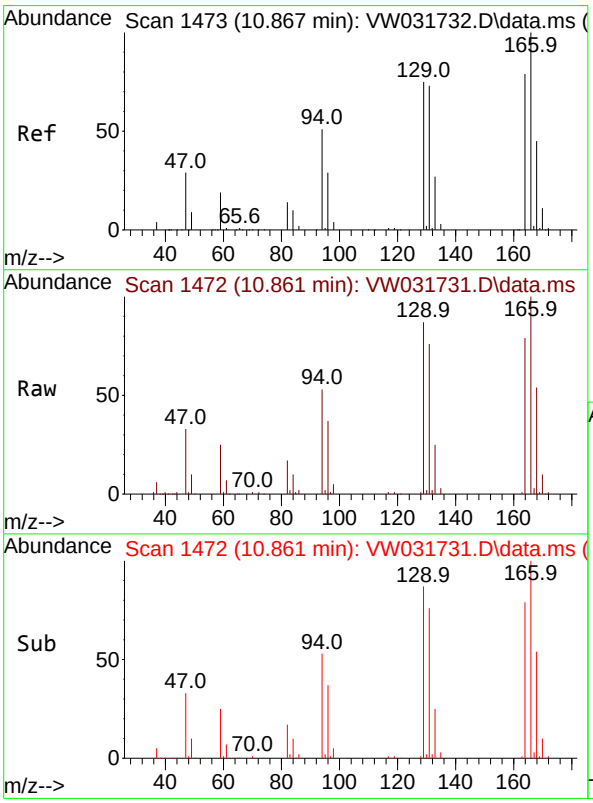
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 347024

Ion	Ratio	Lower	Upper
117	100		
82	56.0	48.6	72.8
119	32.0	23.9	35.9

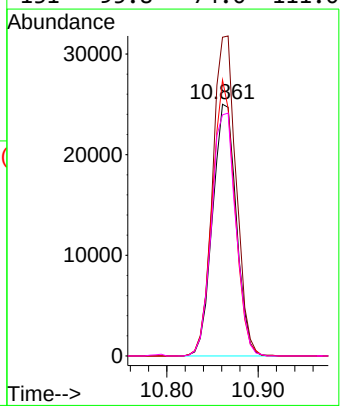


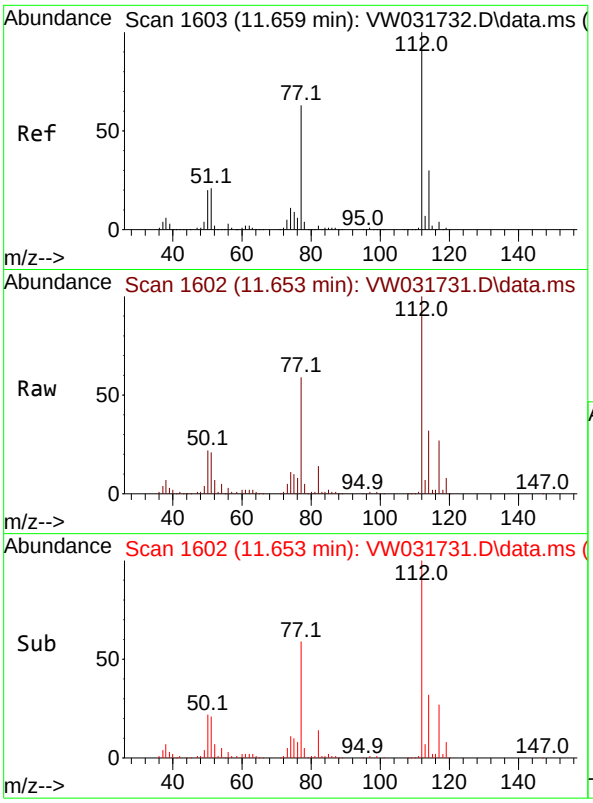


#64
Tetrachloroethene
Concen: 19.810 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:164 Resp: 44967

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.7	151.1
129	109.7	75.4	113.0
131	95.8	74.0	111.0



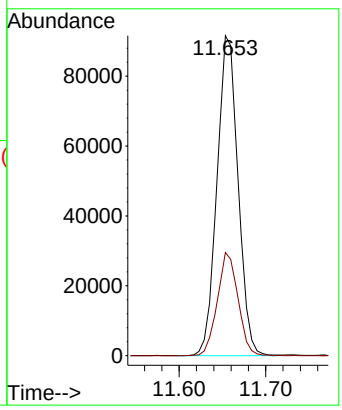


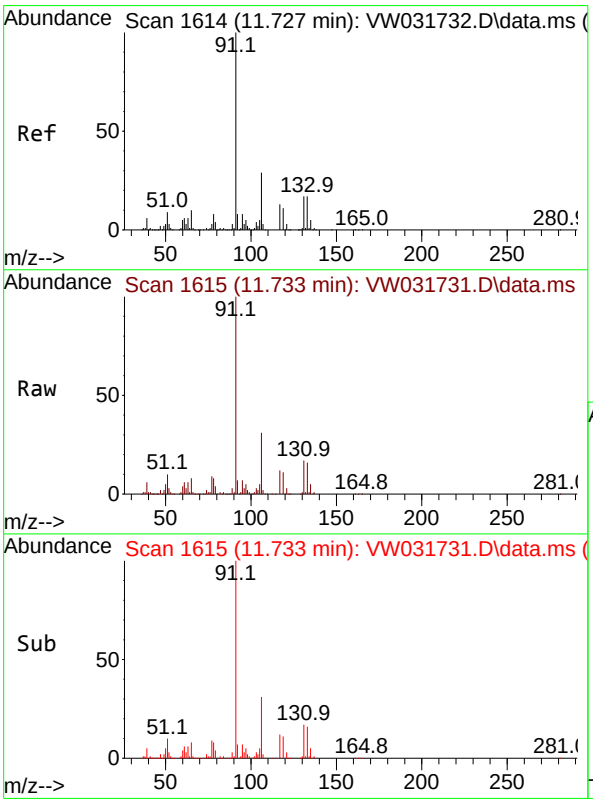
#65
Chlorobenzene
Concen: 20.224 ug/l
RT: 11.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 154847

Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.8	35.8

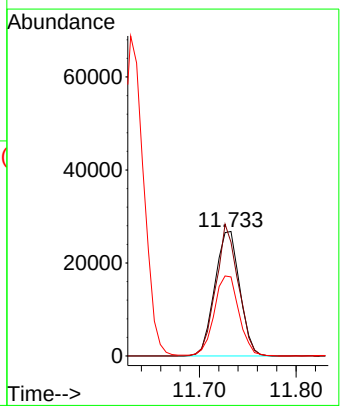


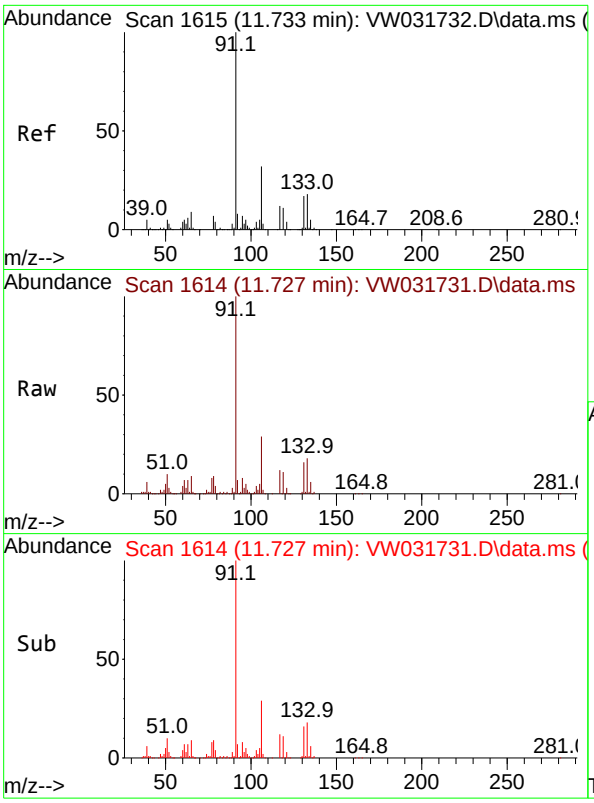


#66
1,1,1,2-Tetrachloroethane
Concen: 19.641 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:131 Resp: 47923

Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.5	145.6
119	64.2	32.5	97.5



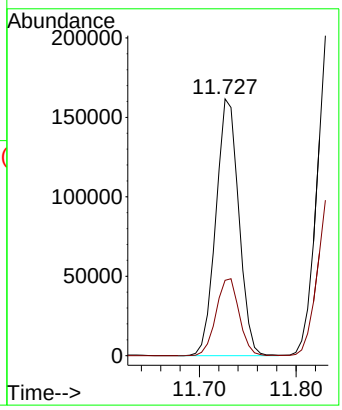


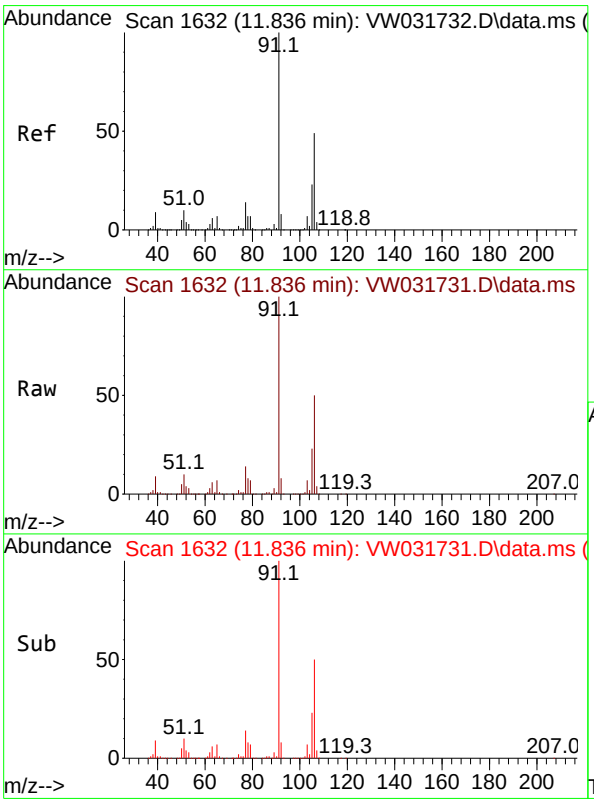
#67
Ethyl Benzene
Concen: 19.975 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 265199

Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.4	38.2

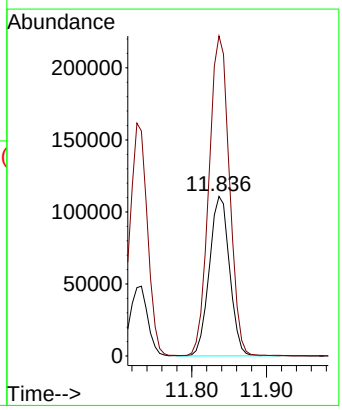


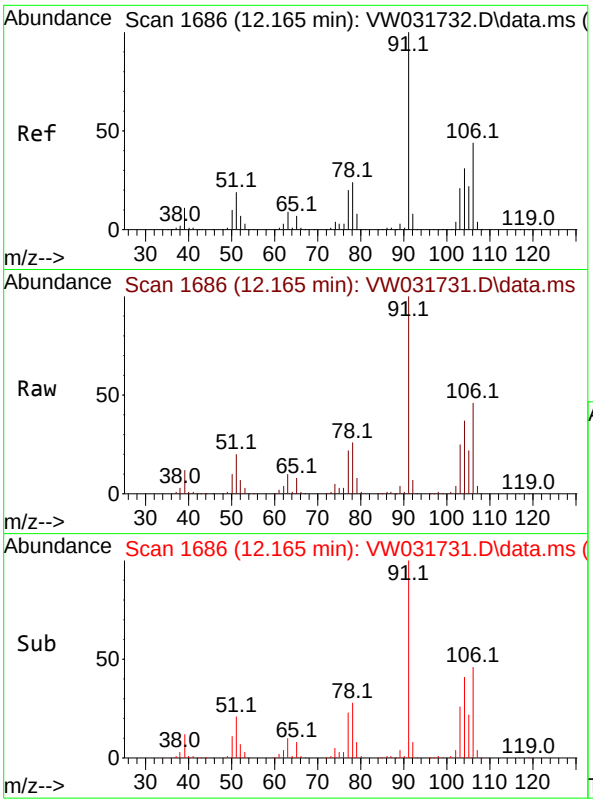


#68
m/p-Xylenes
Concen: 40.829 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:106 Resp: 208380

Ion	Ratio	Lower	Upper
106	100		
91	203.4	166.4	249.6



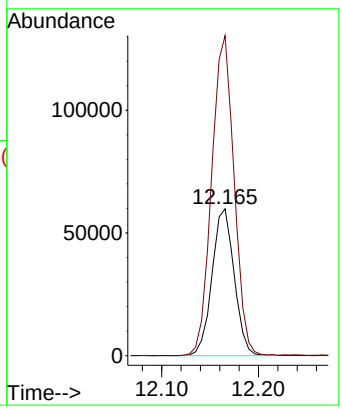


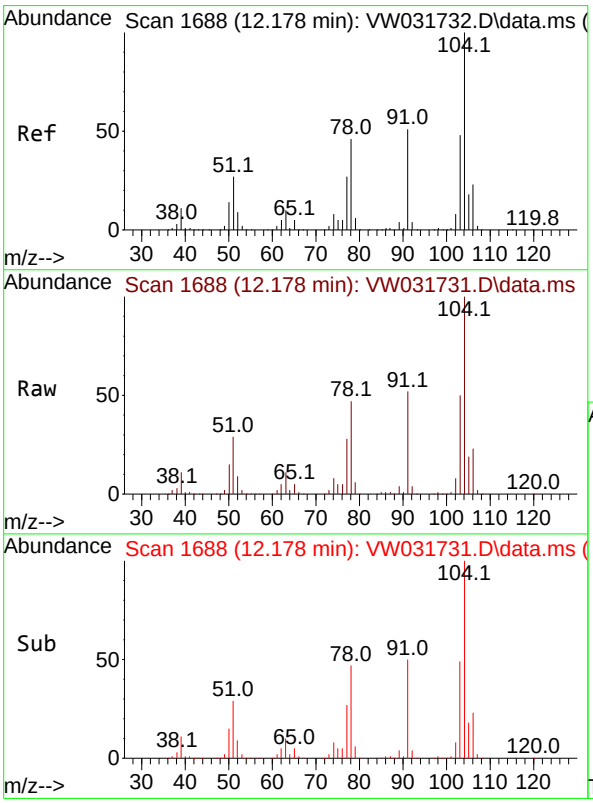
#69
o-Xylene
Concen: 20.126 ug/l
RT: 12.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 95105

Ion	Ratio	Lower	Upper
106	100		
91	221.6	111.5	334.4

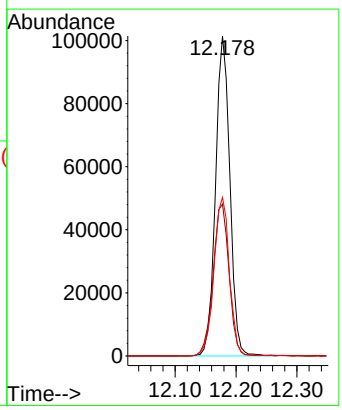


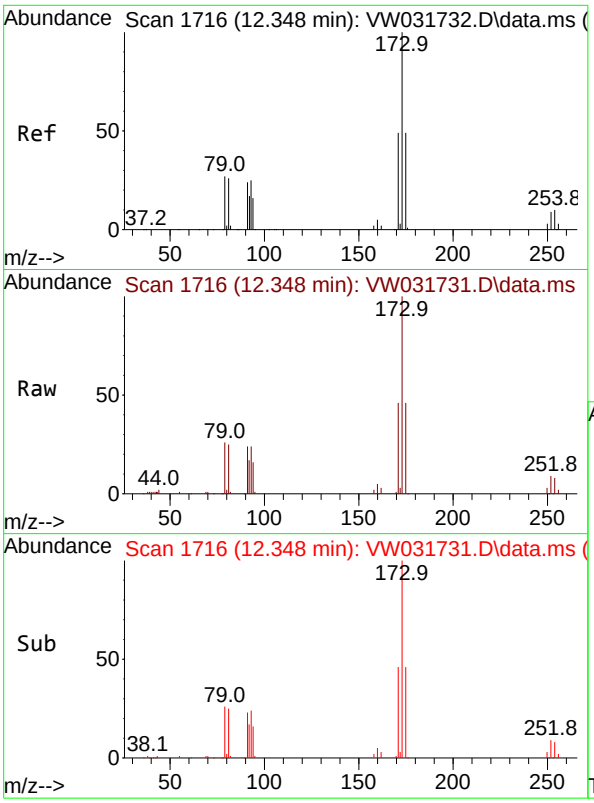


#70
Styrene
Concen: 20.307 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:104 Resp: 165896

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.1	63.1
103	53.6	43.0	64.6



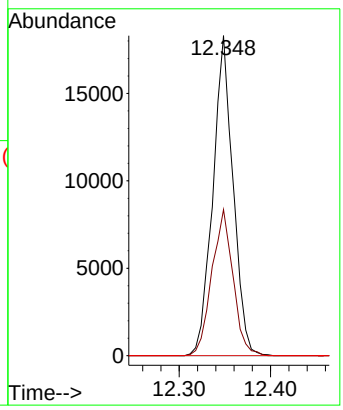


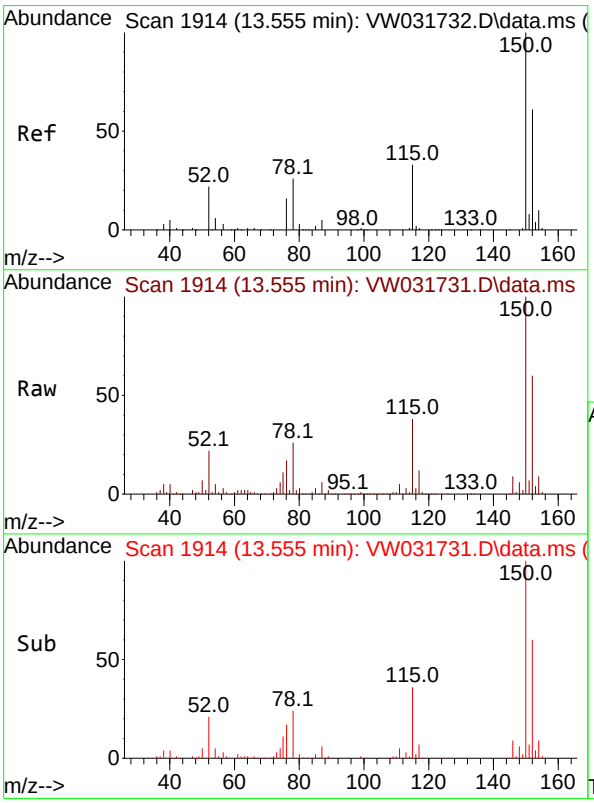
#71
Bromoform
Concen: 19.330 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 28135

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.0	72.0
254	0.0	0.1	0.1#

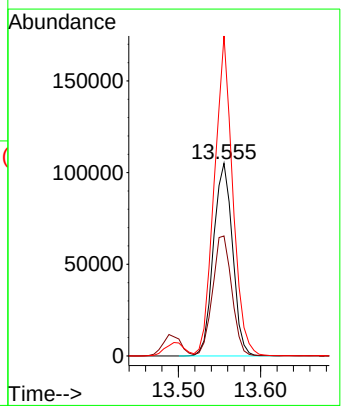


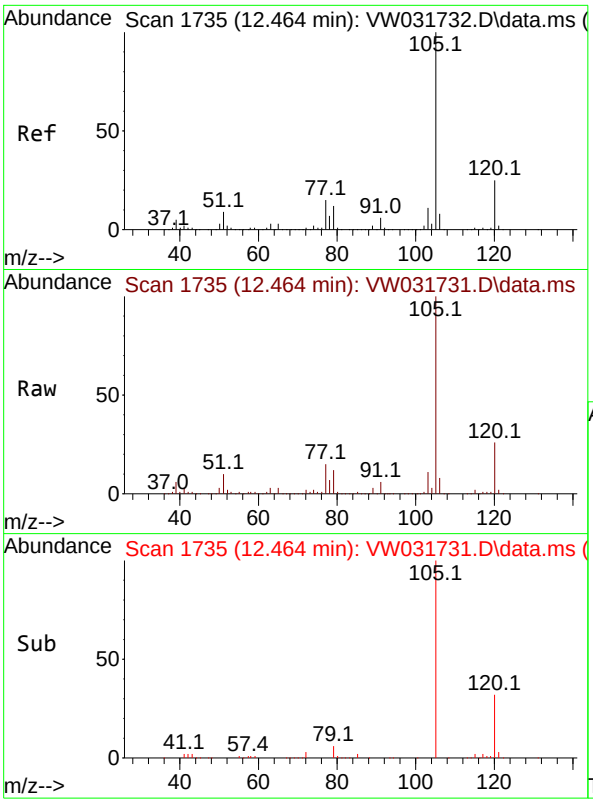


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:152 Resp: 169543

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.9	95.7
150	159.7	0.0	356.4



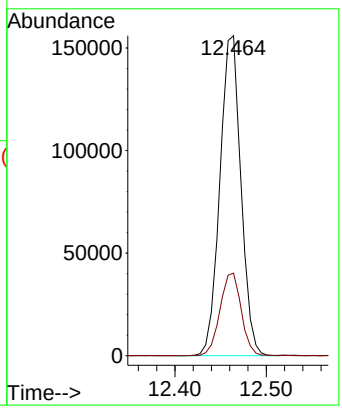


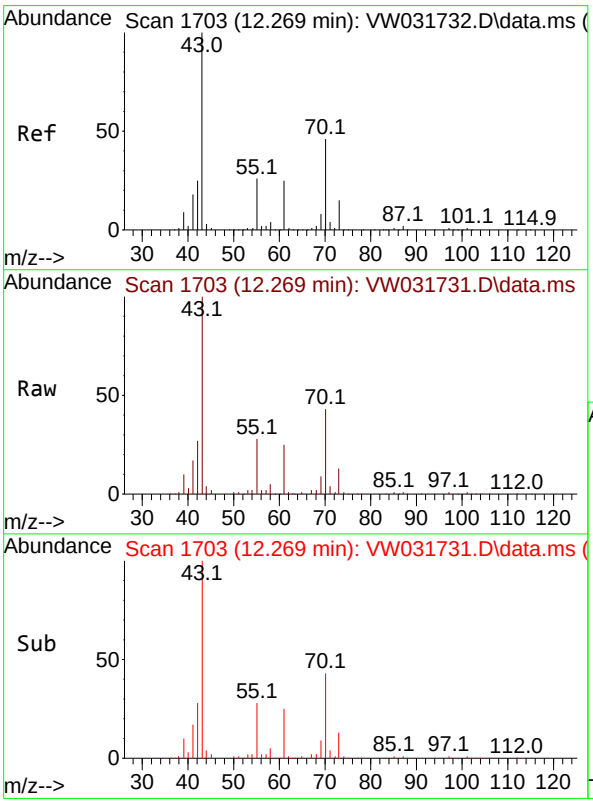
#73
Isopropylbenzene
Concen: 19.368 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 249772

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

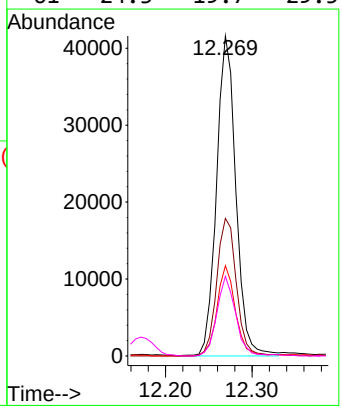


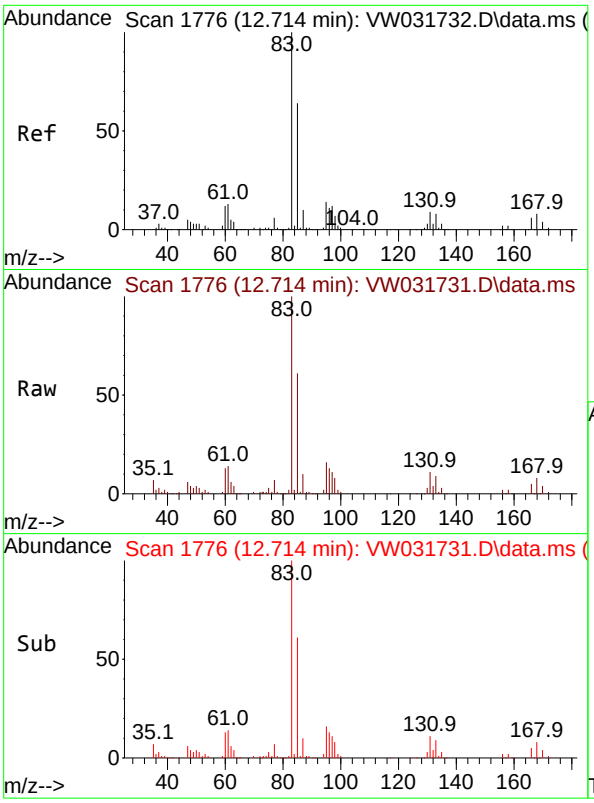


#74
N-amyl acetate
Concen: 18.584 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 64599

Ion	Ratio	Lower	Upper
43	100		
70	43.9	36.0	54.0
55	27.1	20.8	31.2
61	24.3	19.7	29.5



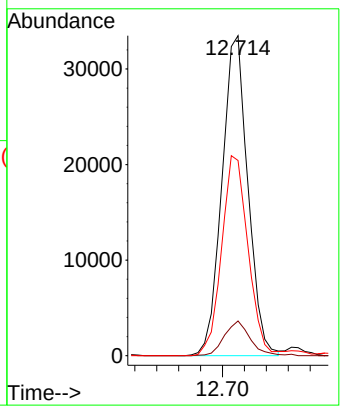


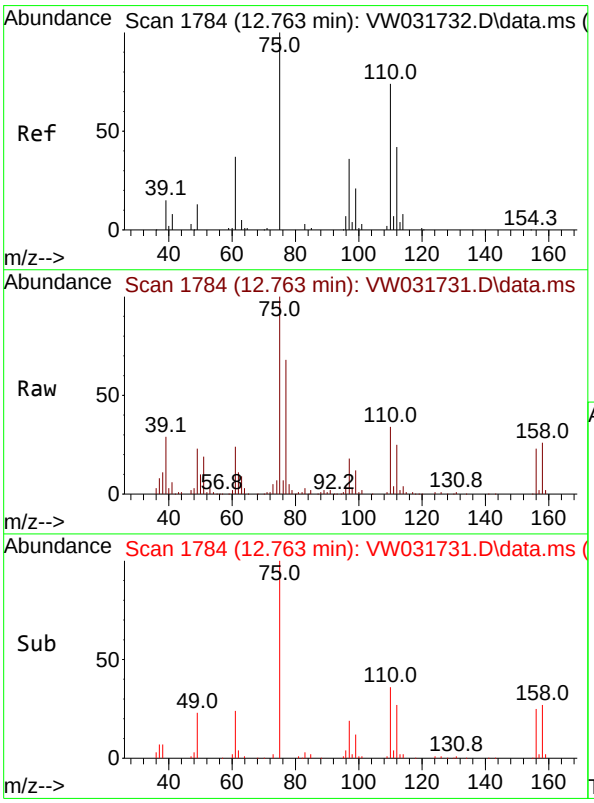
#75
1,1,2,2-Tetrachloroethane
Concen: 19.230 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55059

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	16.1
85	63.7	32.0	96.2

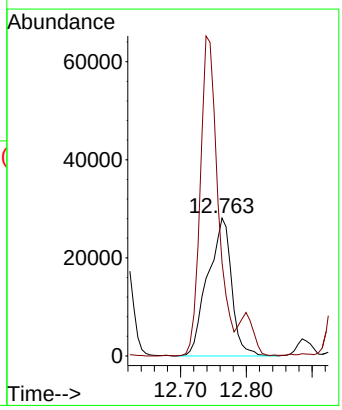


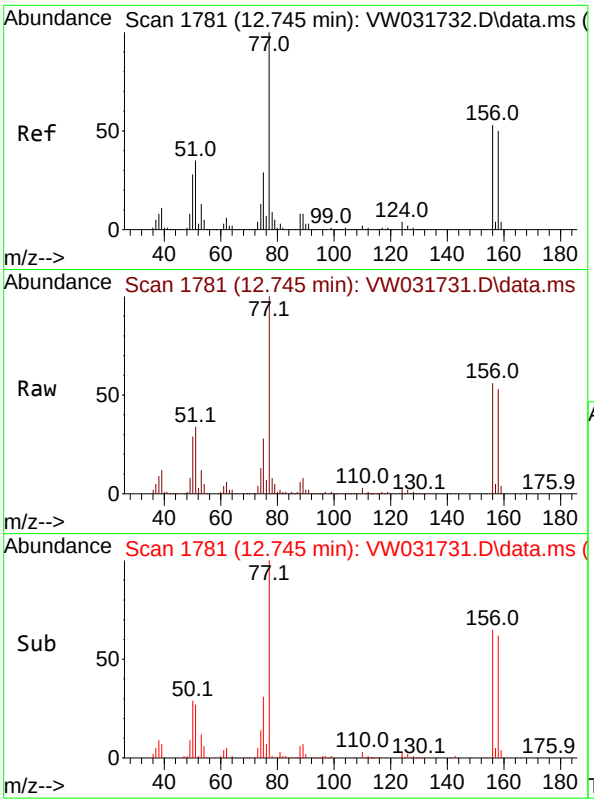


#76
1,2,3-Trichloropropane
Concen: 32.350 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 70877

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#



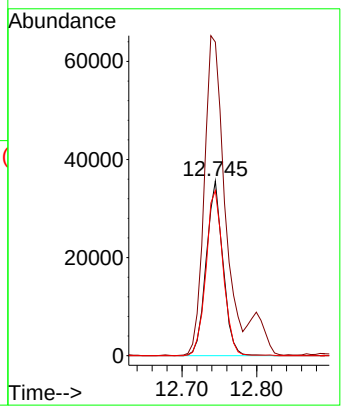


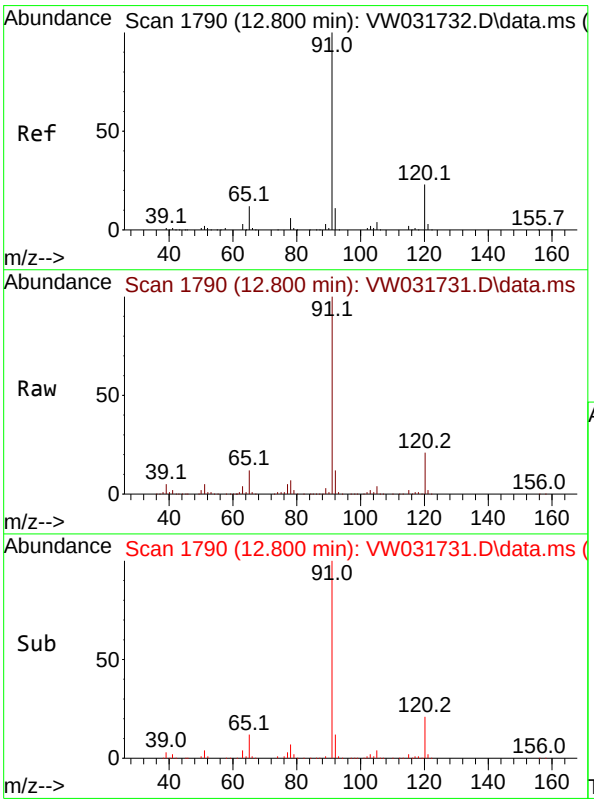
#77
Bromobenzene
Concen: 19.235 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 55325

Ion	Ratio	Lower	Upper
156	100		
77	220.9	117.9	353.7
158	97.4	52.6	157.8

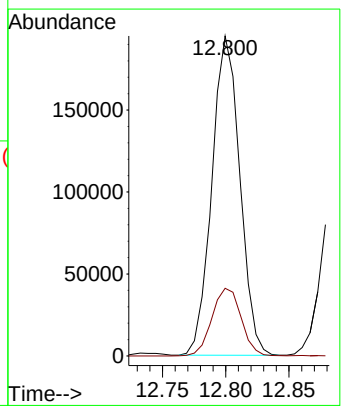


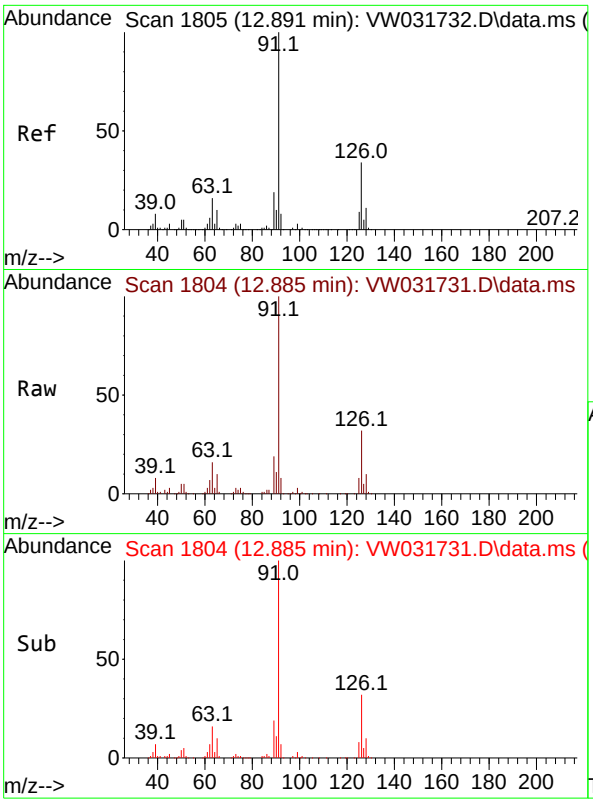


#78
n-propylbenzene
Concen: 19.402 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 299620

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.5	34.4



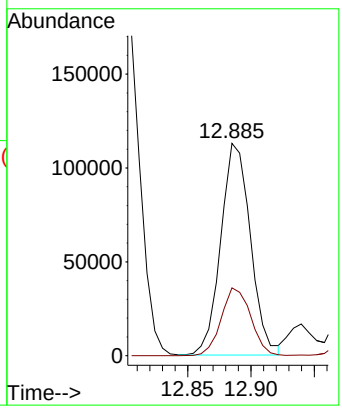


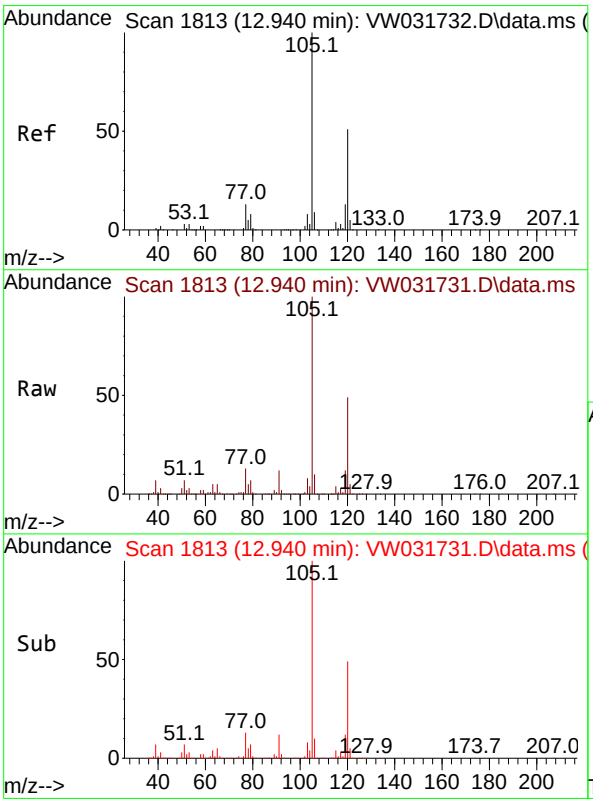
#79
2-Chlorotoluene
Concen: 19.845 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 184544

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.8	47.4

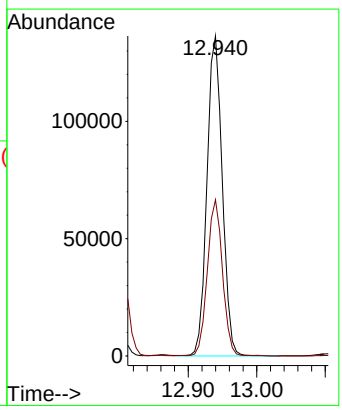


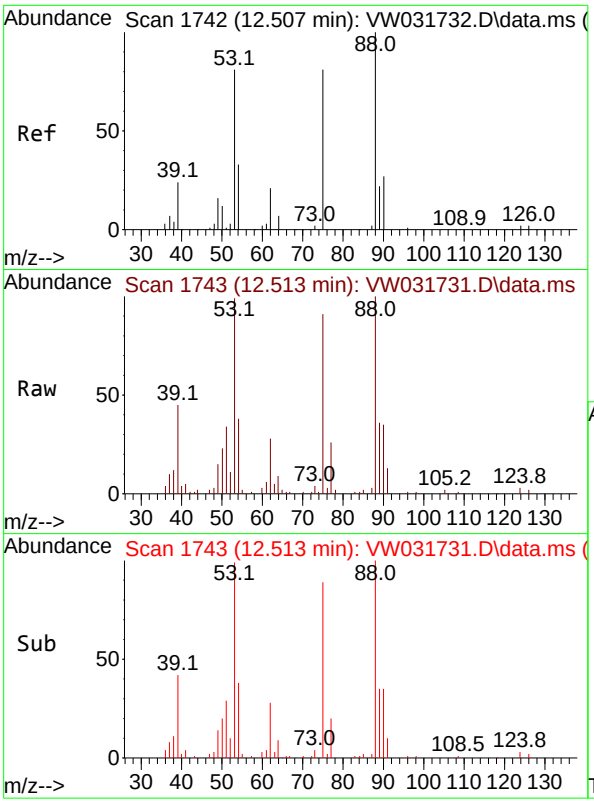


#80
1,3,5-Trimethylbenzene
Concen: 19.828 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 211664

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.2



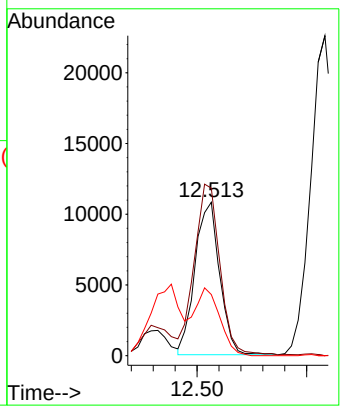


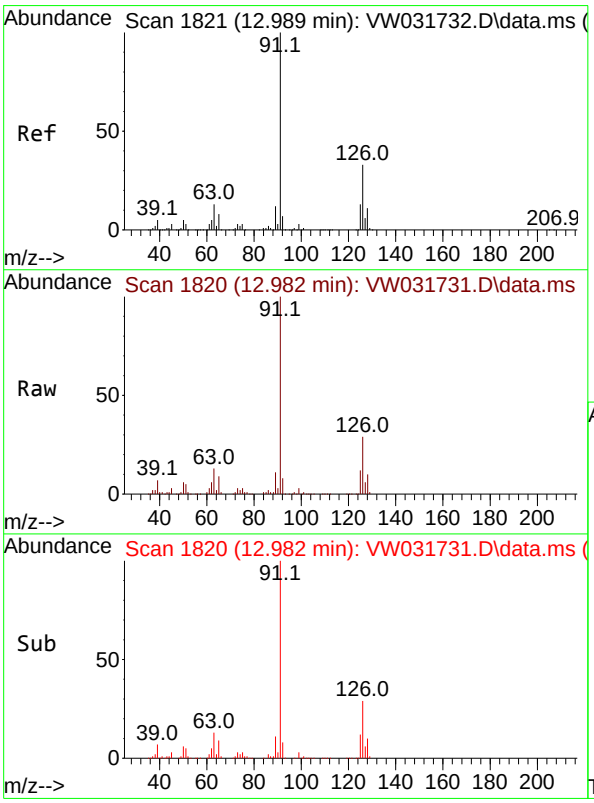
#81
trans-1,4-Dichloro-2-butene
Concen: 17.978 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 16911

Ion	Ratio	Lower	Upper
75	100		
53	115.7	83.5	125.3
89	46.1	38.3	57.5

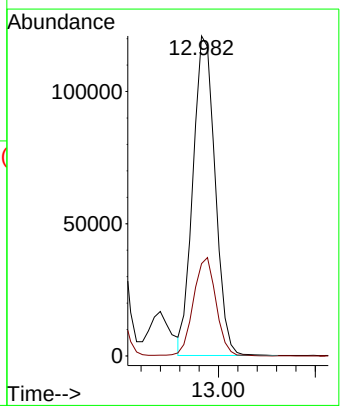


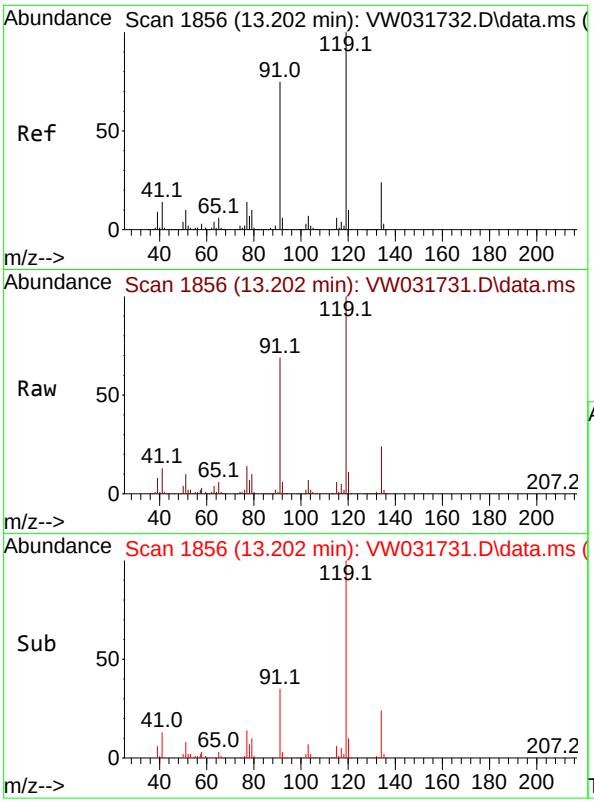


#82
4-Chlorotoluene
Concen: 19.707 ug/l
RT: 12.982 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 192402

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.0	47.9



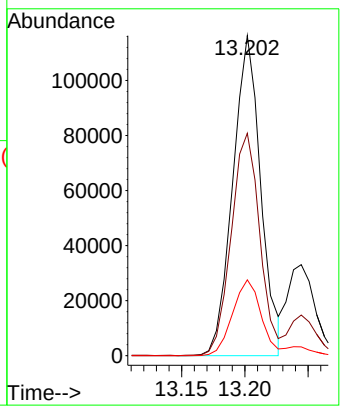


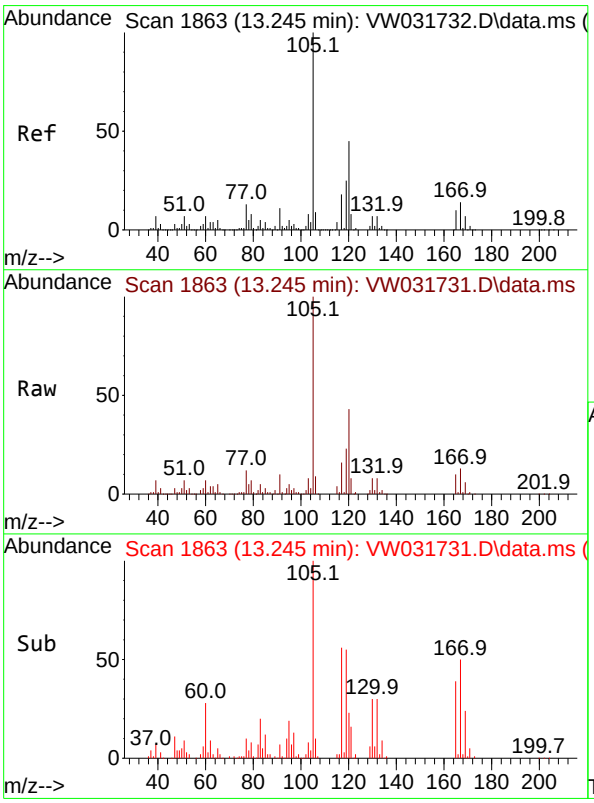
#83
tert-Butylbenzene
Concen: 19.591 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 179144

Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.0	108.1
134	24.6	12.4	37.2

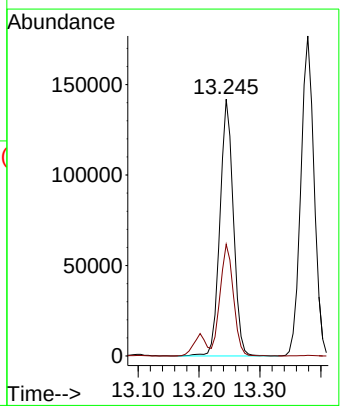


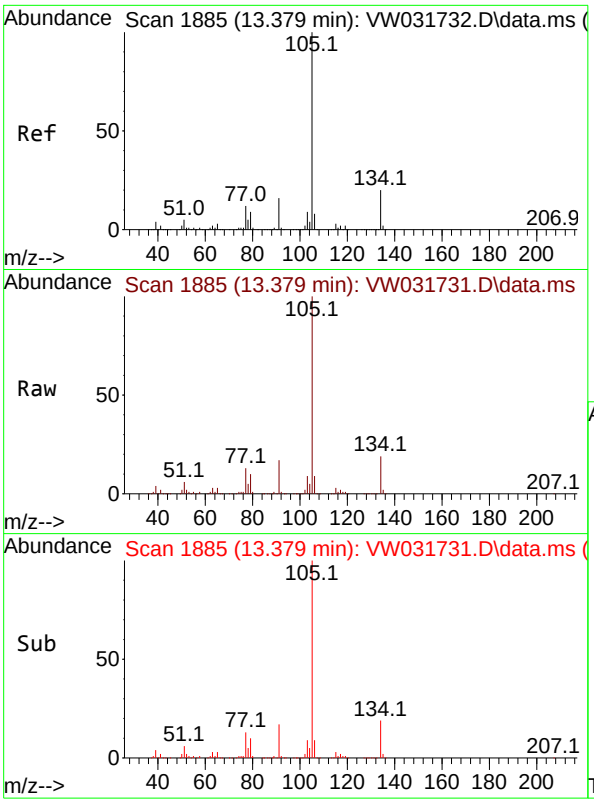


#84
1,2,4-Trimethylbenzene
Concen: 20.016 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 216491

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.1



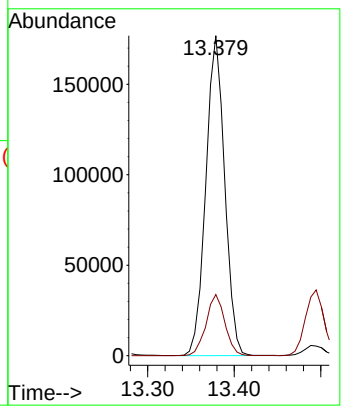


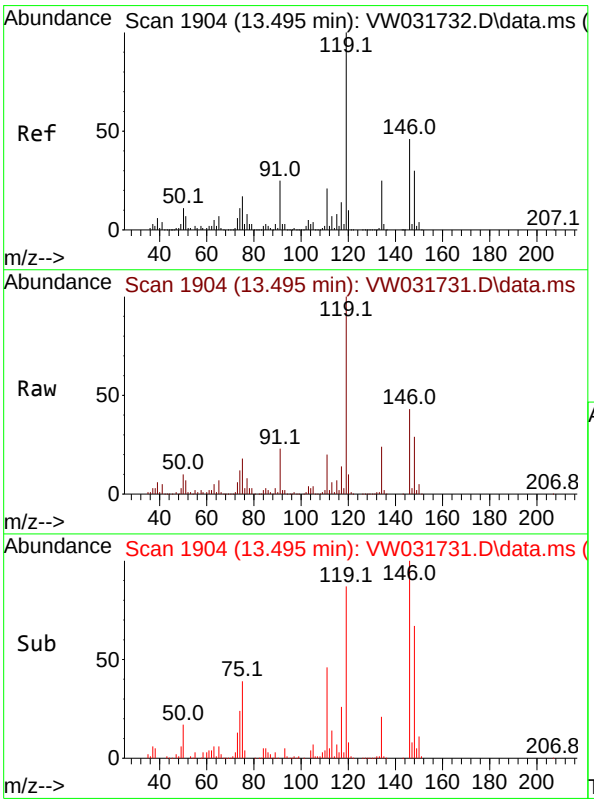
#85
sec-Butylbenzene
Concen: 19.452 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 266984

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

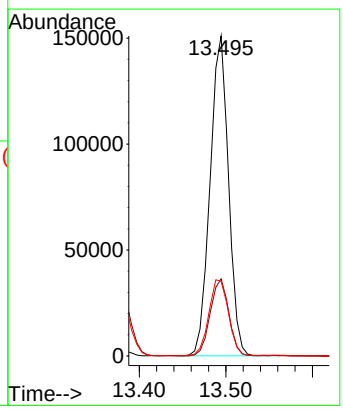


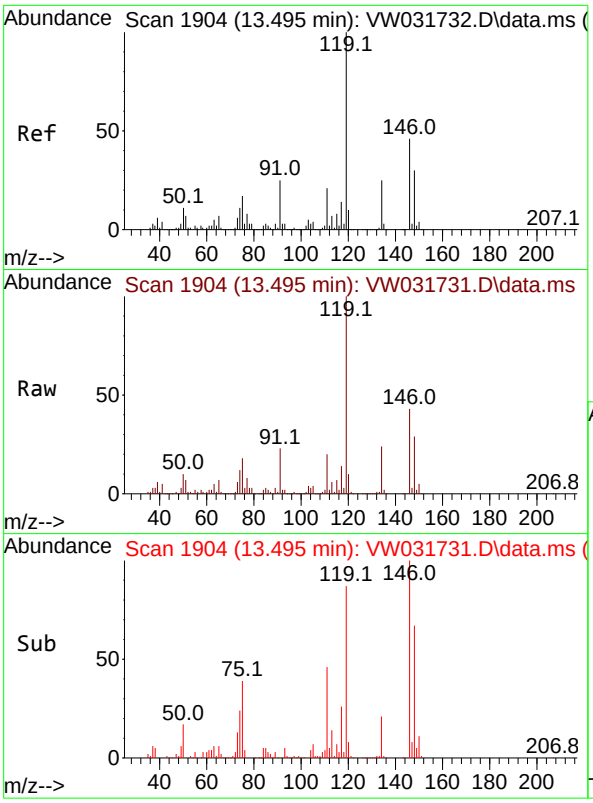


#86
p-Isopropyltoluene
Concen: 19.735 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:119 Resp: 223225

Ion	Ratio	Lower	Upper
119	100		
134	24.3	12.9	38.7
91	25.3	12.7	38.0



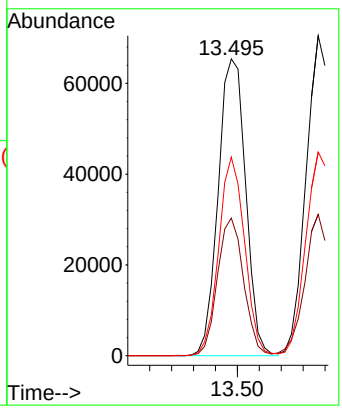


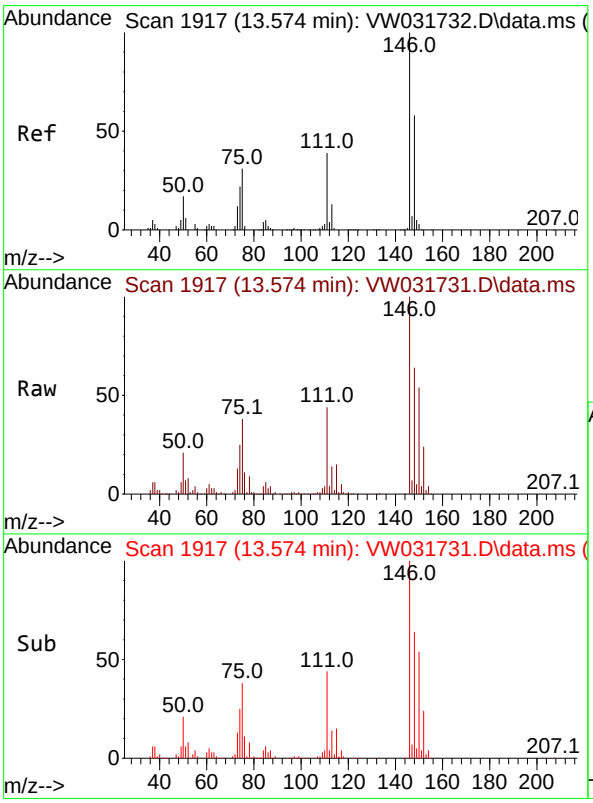
#87
1,3-Dichlorobenzene
Concen: 19.784 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 114120

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.9
148	63.0	31.8	95.4

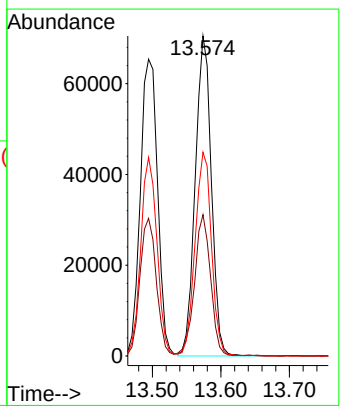


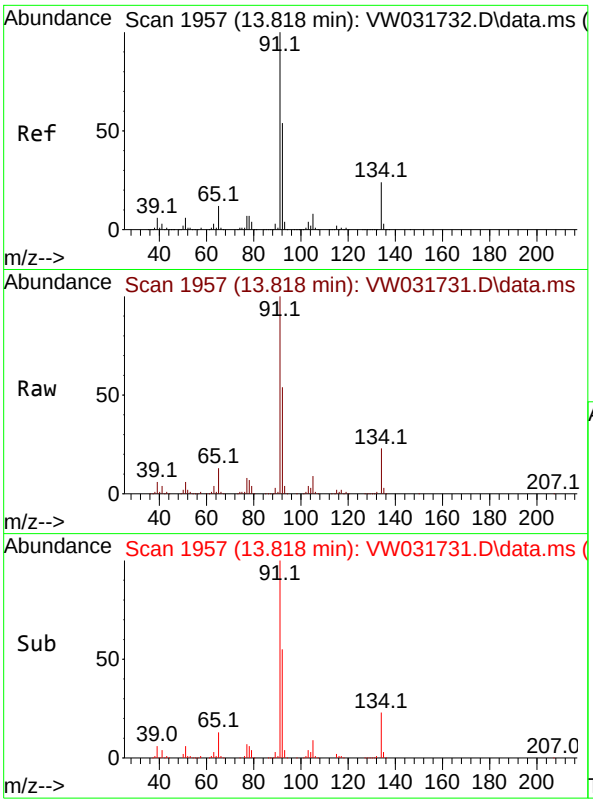


#88
1,4-Dichlorobenzene
Concen: 19.530 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:146 Resp: 115307

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.4	61.3
148	64.5	30.2	90.6



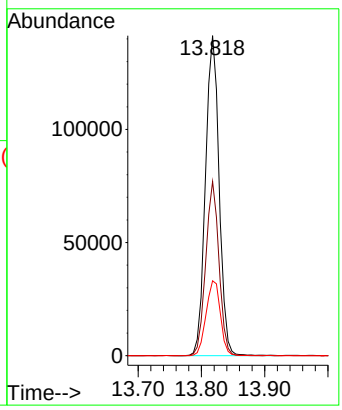


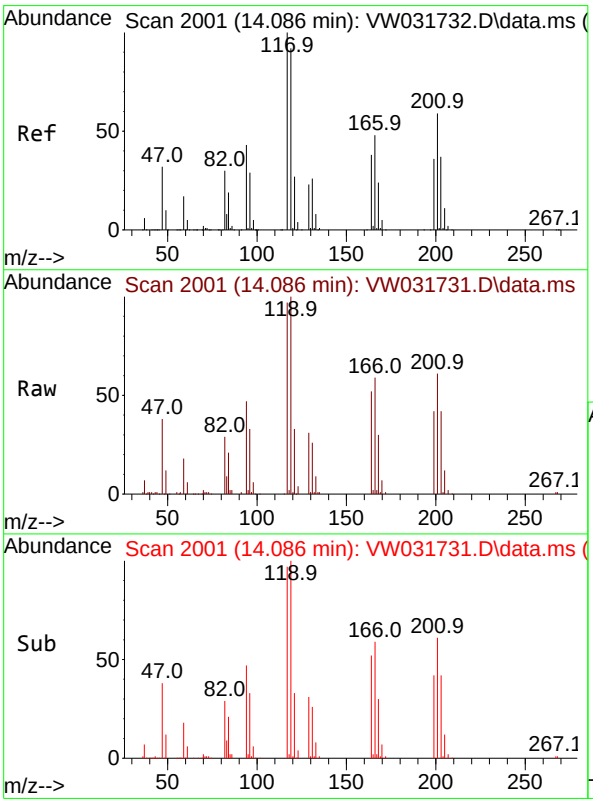
#89
n-Butylbenzene
Concen: 19.336 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 212509

Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.5
134	24.5	12.2	36.6

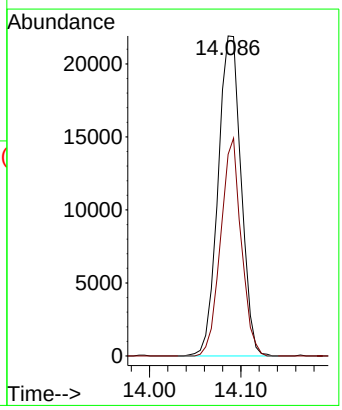


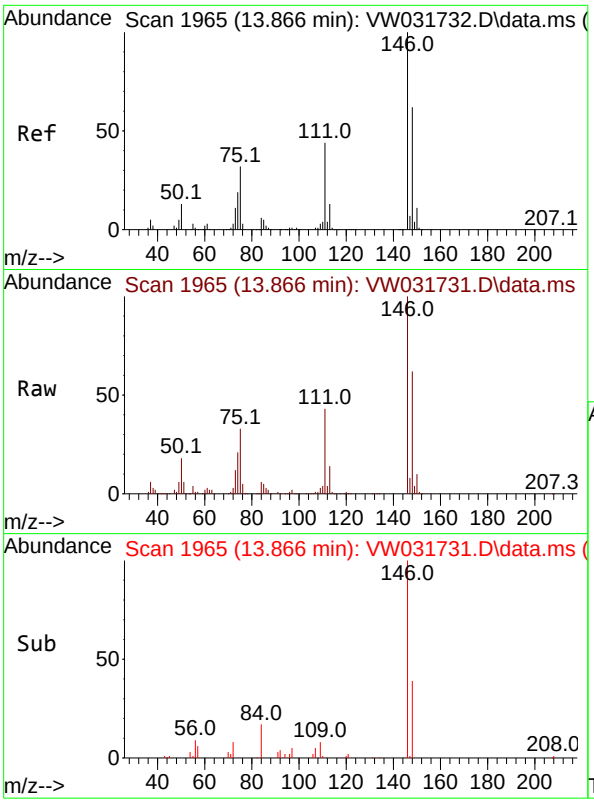


#90
Hexachloroethane
Concen: 18.820 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:117 Resp: 38406

Ion	Ratio	Lower	Upper
117	100		
201	60.9	31.1	93.3



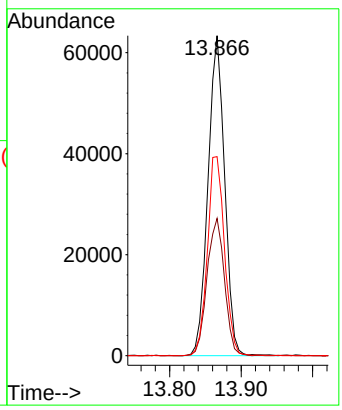


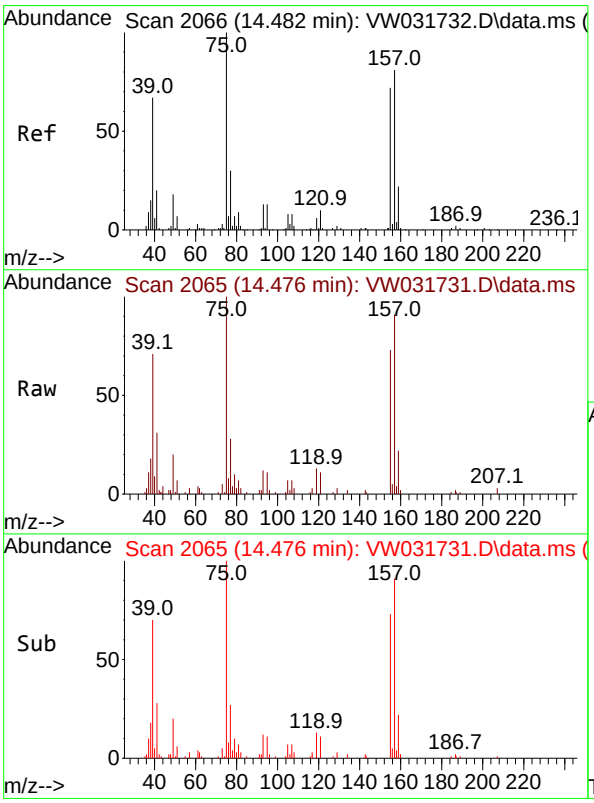
#91
1,2-Dichlorobenzene
Concen: 19.432 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 102449

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.7	65.1
148	63.9	29.8	89.5

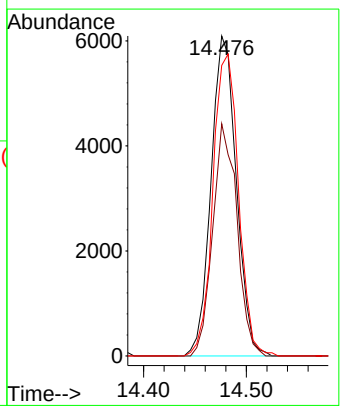


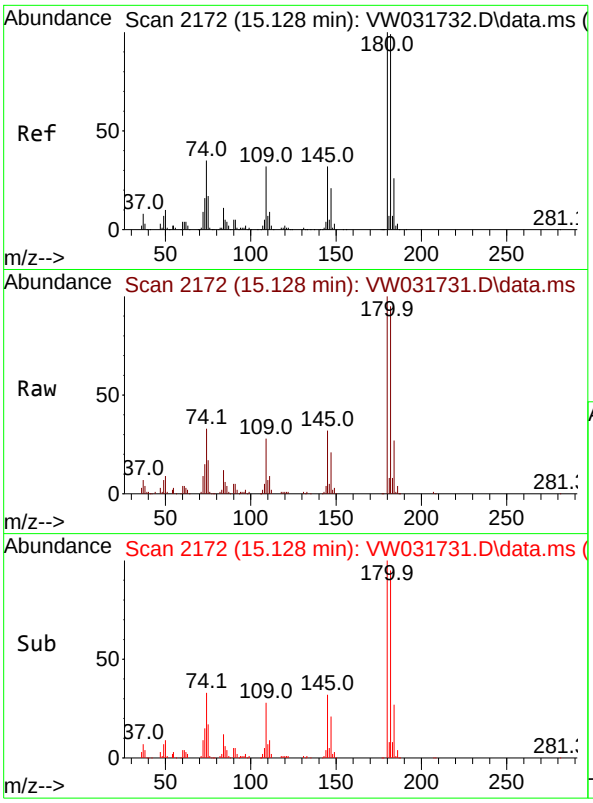


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.610 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 10404

Ion	Ratio	Lower	Upper
75	100		
155	69.6	37.2	111.6
157	95.5	45.6	136.9



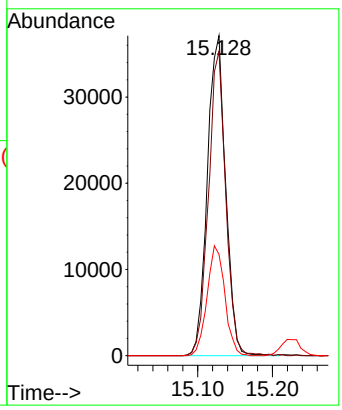


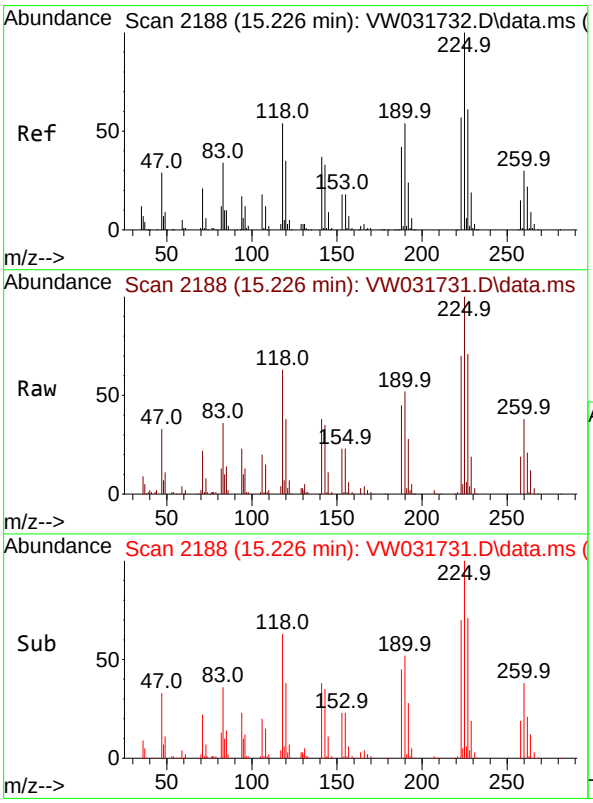
#93
1,2,4-Trichlorobenzene
Concen: 19.386 ug/l
RT: 15.128 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 63033

Ion	Ratio	Lower	Upper
180	100		
182	90.2	48.6	145.9
145	33.4	17.3	51.7

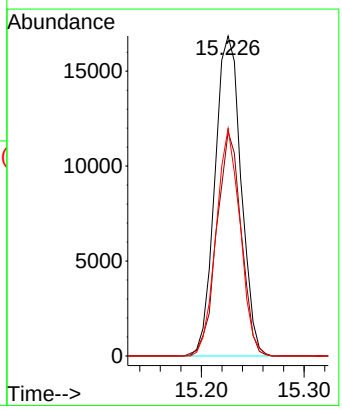


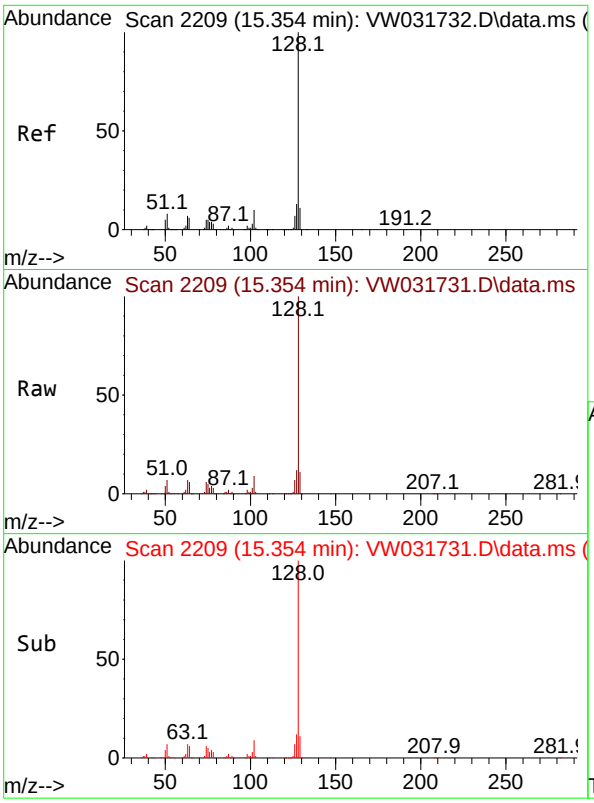


#94
Hexachlorobutadiene
Concen: 18.913 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:225 Resp: 29695

Ion	Ratio	Lower	Upper
225	100		
223	65.7	32.6	97.8
227	65.5	37.3	111.8



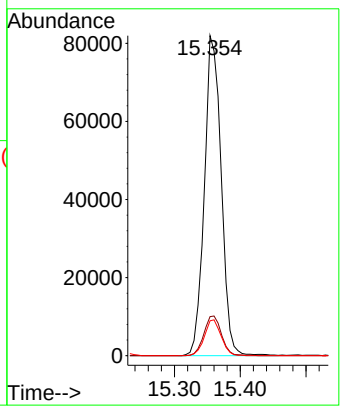


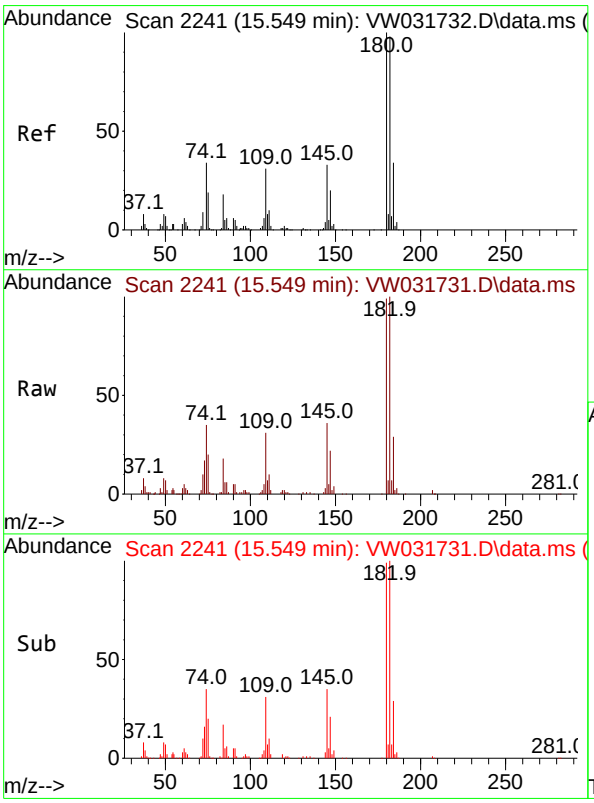
#95
Naphthalene
Concen: 18.335 ug/l
RT: 15.354 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 146159

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.1	8.7	13.1

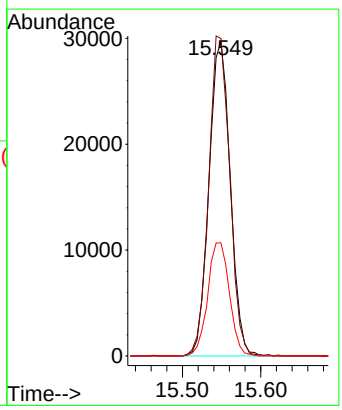




#96
1,2,3-Trichlorobenzene
Concen: 18.772 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031731.D
Acq: 30 Jun 2025 10:58

Tgt Ion:180 Resp: 56085

Ion	Ratio	Lower	Upper
180	100		
182	100.6	46.4	139.1
145	36.7	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.620%		
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.240%		
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l		100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l		100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l		100
44) Trichloroethene	9.099	130	139117	49.275	ug/l		100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l		100
46) Dibromomethane	9.471	93	88721	50.266	ug/l		100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l		100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l		100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l		100
52) Toluene	10.391	92	354627	48.965	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l		100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l		100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l		100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l		100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l		100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l		100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l		100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l		100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l		100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l		100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l		100
69) o-Xylene	12.165	106	247840	50.054	ug/l		100
70) Styrene	12.178	104	439641	51.360	ug/l		100
71) Bromoform	12.348	173	79452	52.095	ug/l		100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l		100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	196851	87.371	ug/l		37
77) Bromobenzene	12.745	156	136242	46.062	ug/l		100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l		100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l		100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l		100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l		100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l		100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l		100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l		100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l		100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l		100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l		100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l		100
95) Naphthalene	15.354	128	417556	50.938	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

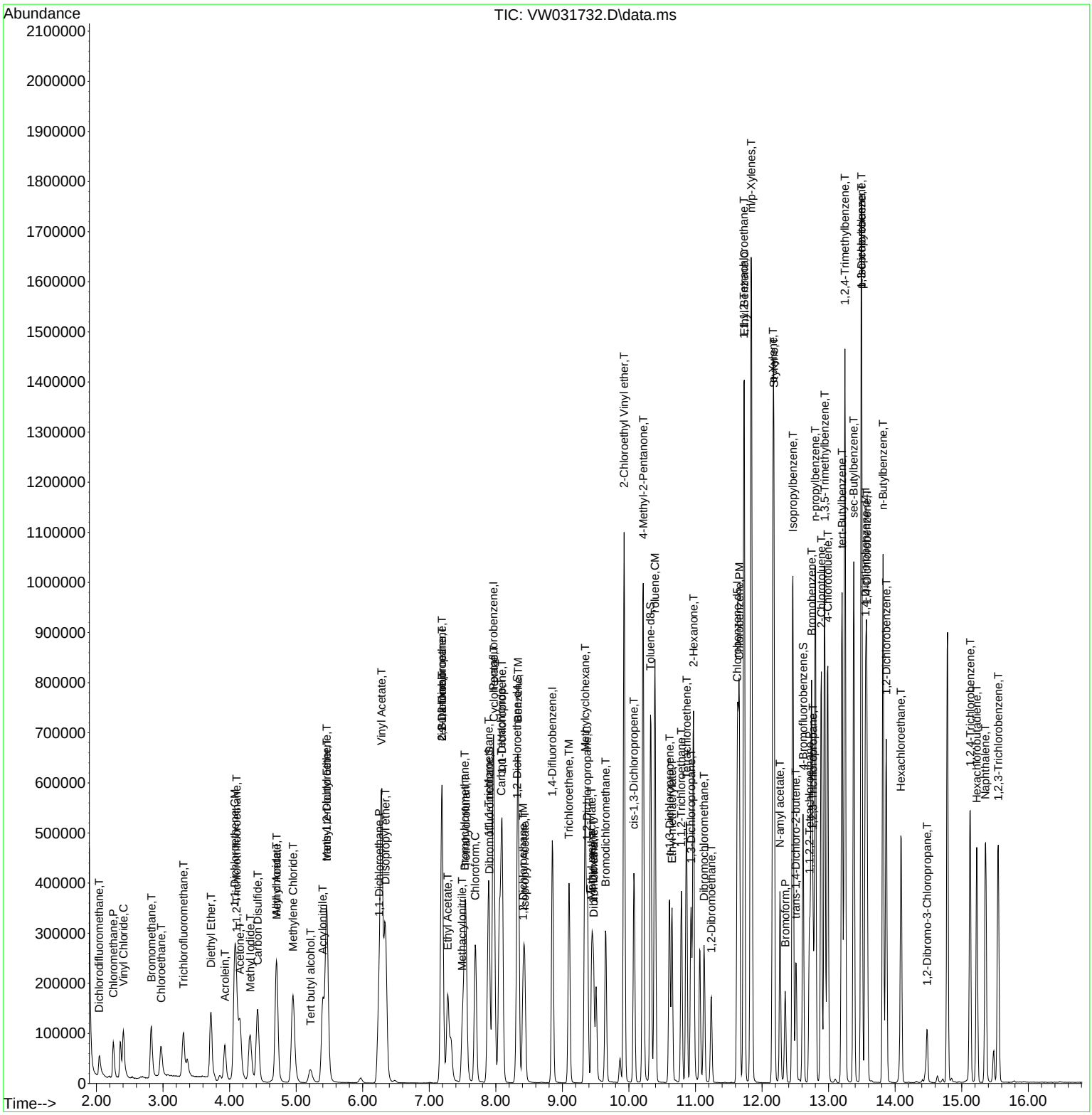
(#) = qualifier out of range (m) = manual integration (+) = signals summed

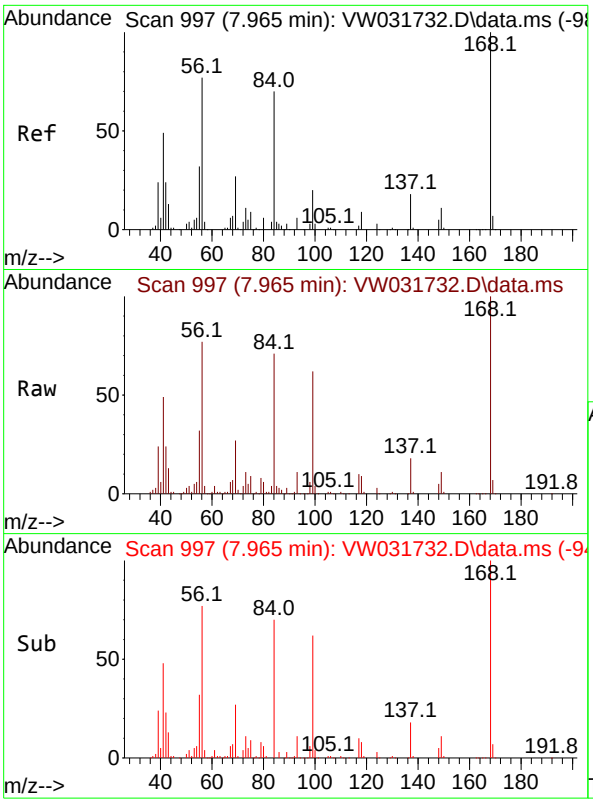
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
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 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



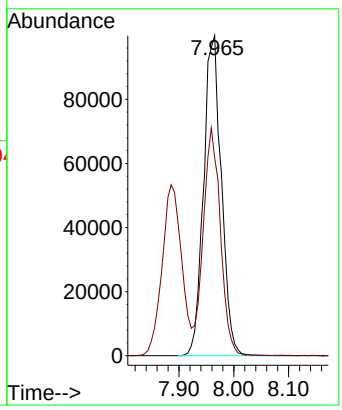


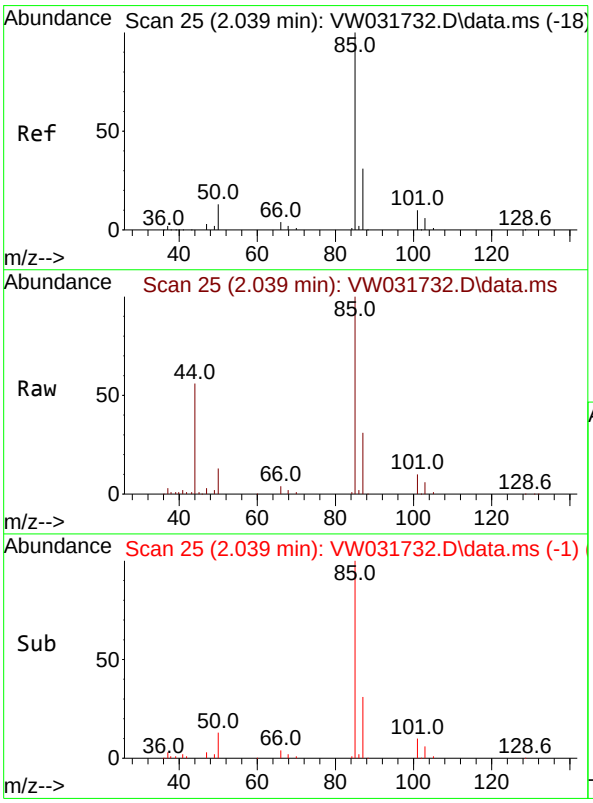
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 224452

Ion	Ratio	Lower	Upper
168	100		
99	61.8	49.4	74.2

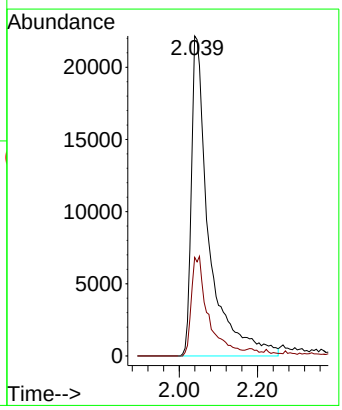


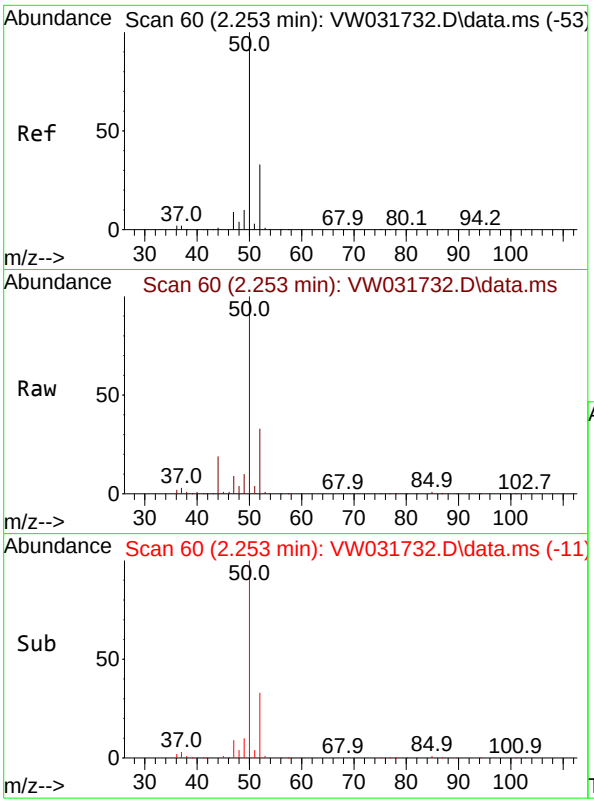


#2
Dichlorodifluoromethane
Concen: 45.539 ug/l
RT: 2.039 min Scan# 25
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 85 Resp: 69611

Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.4	46.2



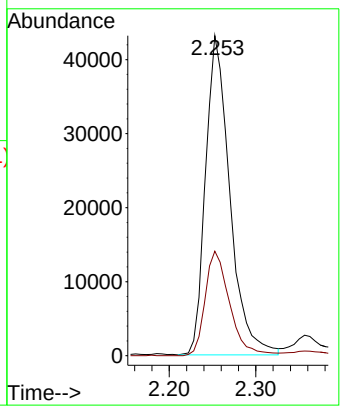


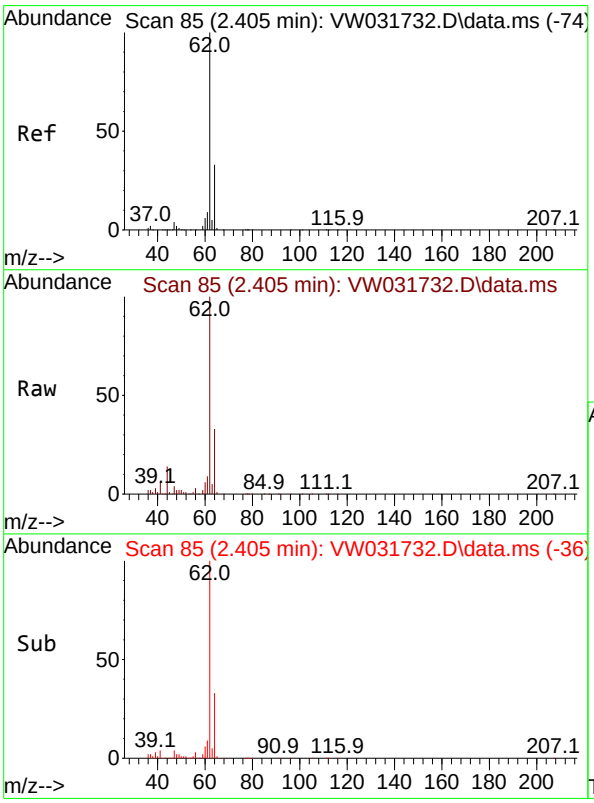
#3
Chloromethane
Concen: 45.719 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 84254

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2

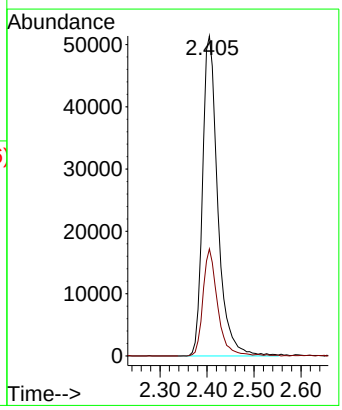


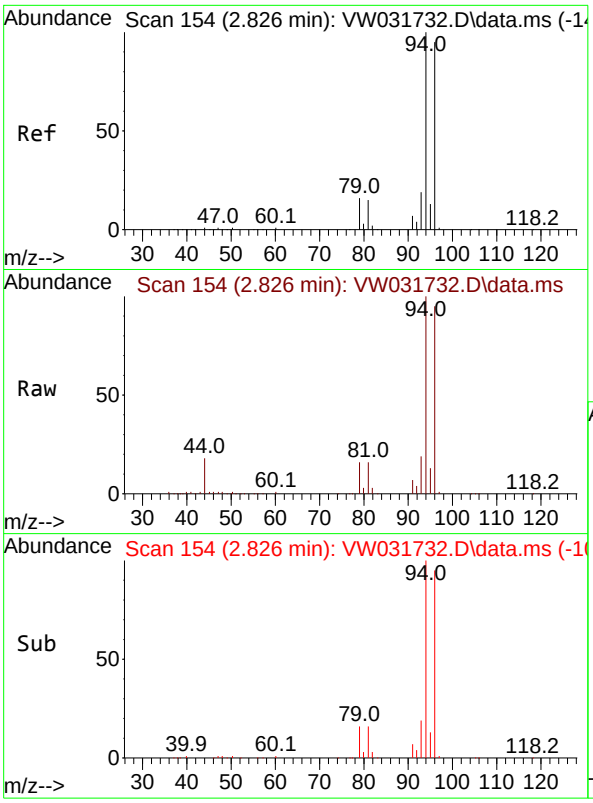


#4
Vinyl Chloride
Concen: 47.617 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 62 Resp: 115341

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.8	40.2



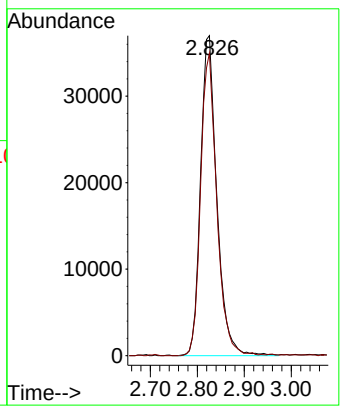


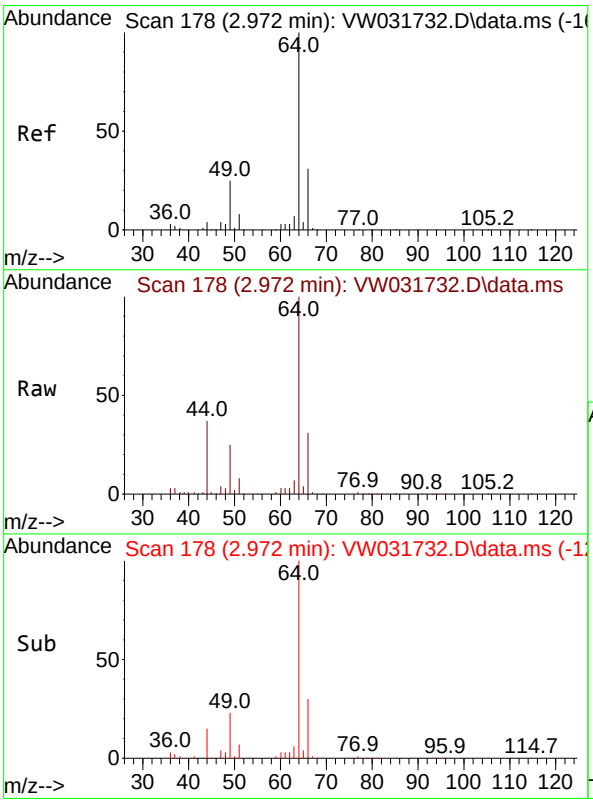
#5
Bromomethane
Concen: 46.990 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 88903

Ion	Ratio	Lower	Upper
94	100		
96	94.5	75.6	113.4

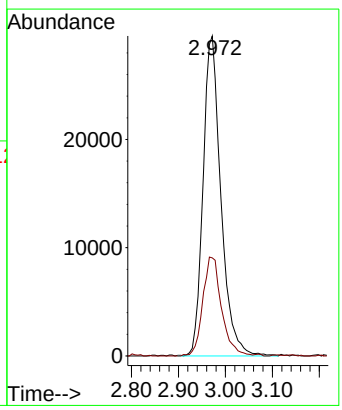


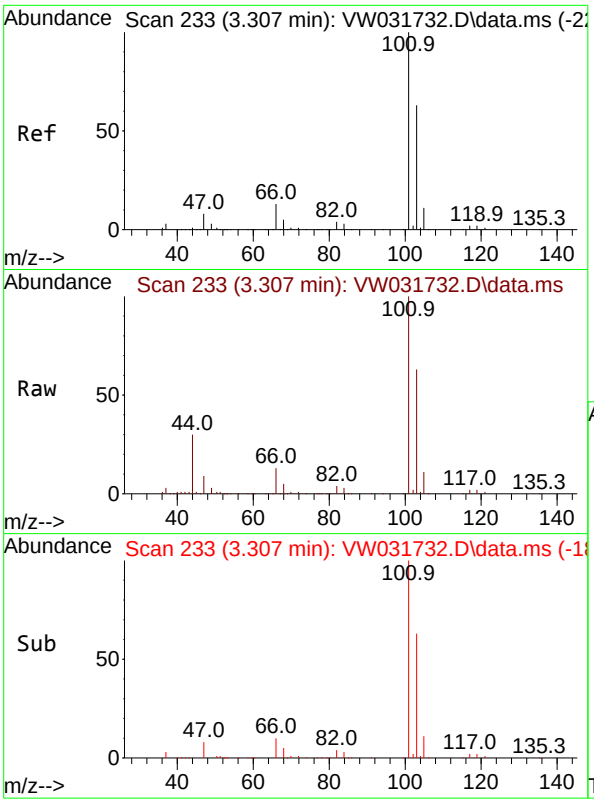


#6
Chloroethane
Concen: 47.303 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 64 Resp: 77830

Ion	Ratio	Lower	Upper
64	100		
66	30.6	24.5	36.7



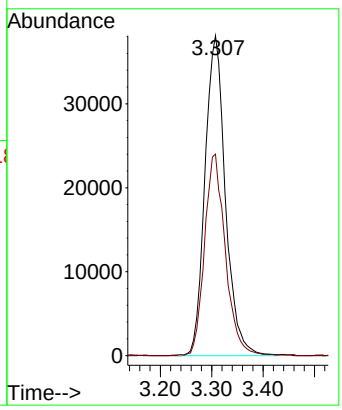


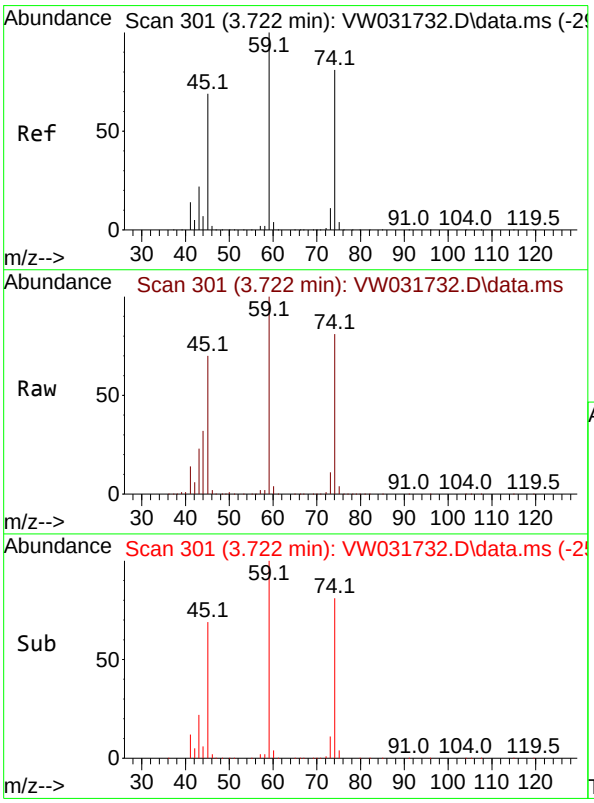
#7
Trichlorofluoromethane
Concen: 47.842 ug/l
RT: 3.307 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 105244

Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.4

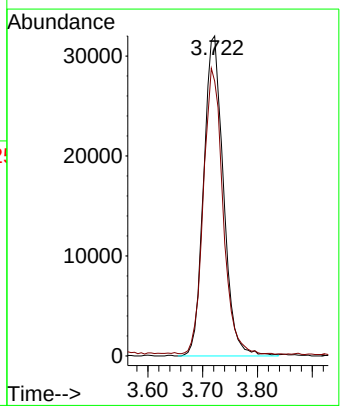


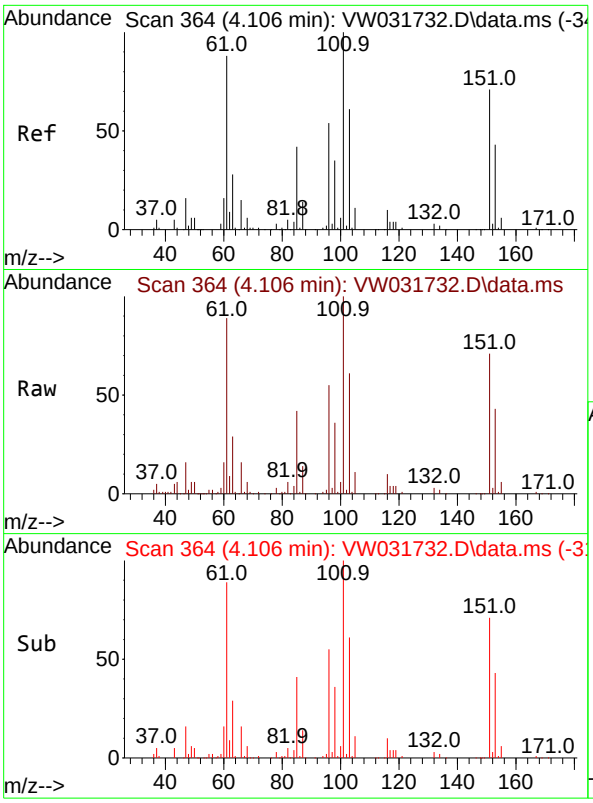


#8
Diethyl Ether
Concen: 47.778 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 74 Resp: 79864

Ion	Ratio	Lower	Upper
74	100		
45	87.8	43.9	131.7



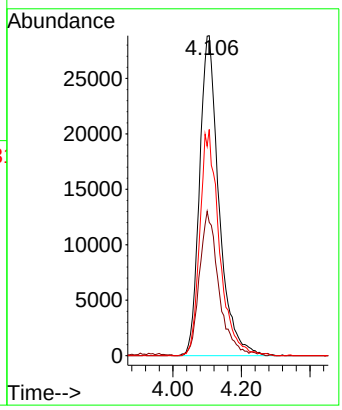


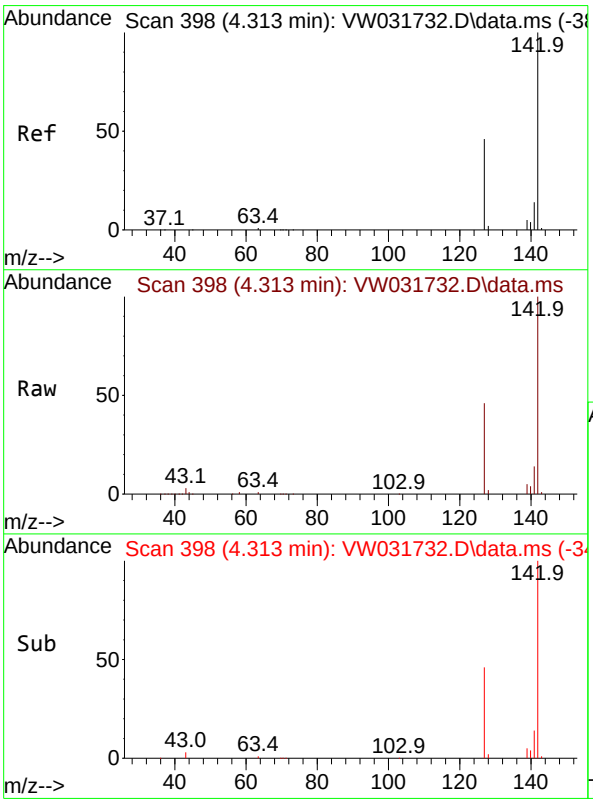
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.722 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 114080

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.6	53.4
151	71.0	56.8	85.2

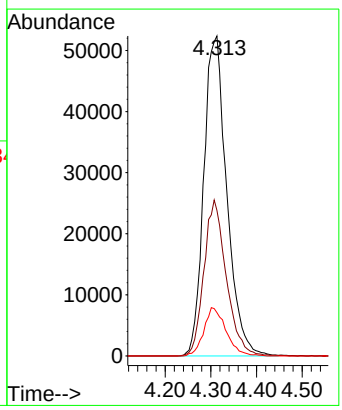


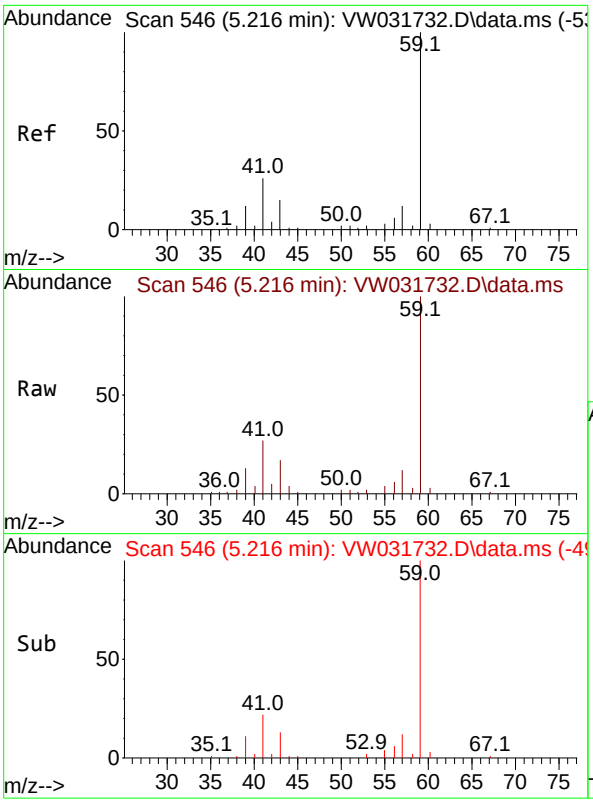


#10
Methyl Iodide
Concen: 48.636 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:142 Resp: 183075

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.9	56.9
141	14.6	11.7	17.5



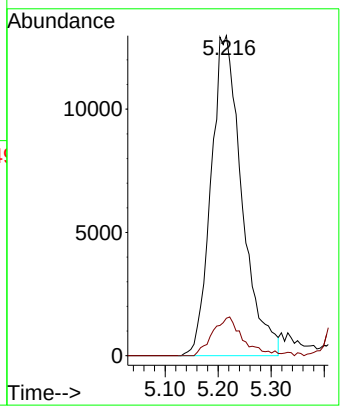


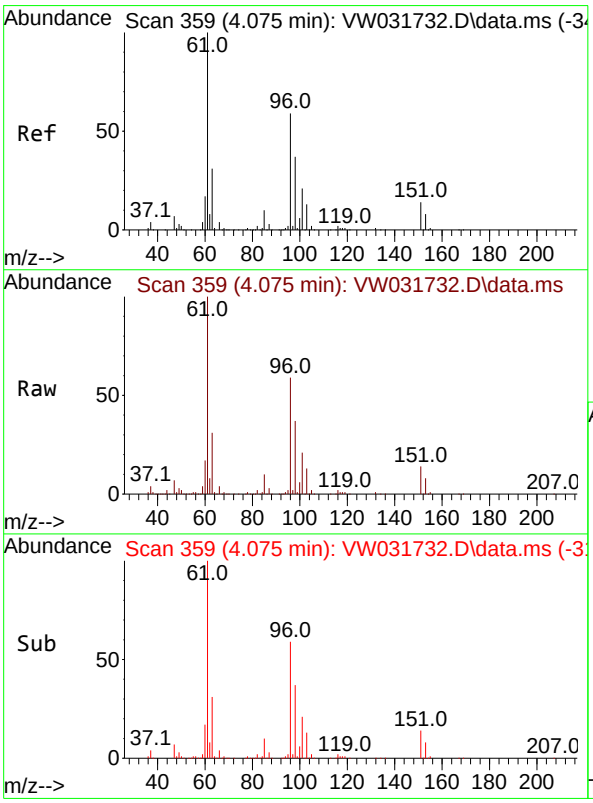
#11
Tert butyl alcohol
Concen: 262.624 ug/l
RT: 5.216 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 52409

Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.5	14.3

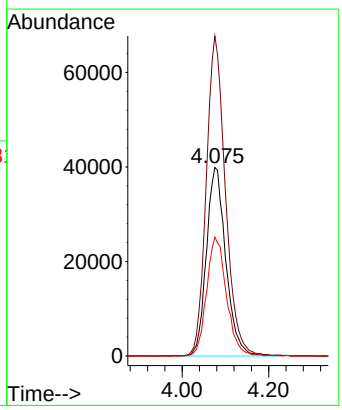


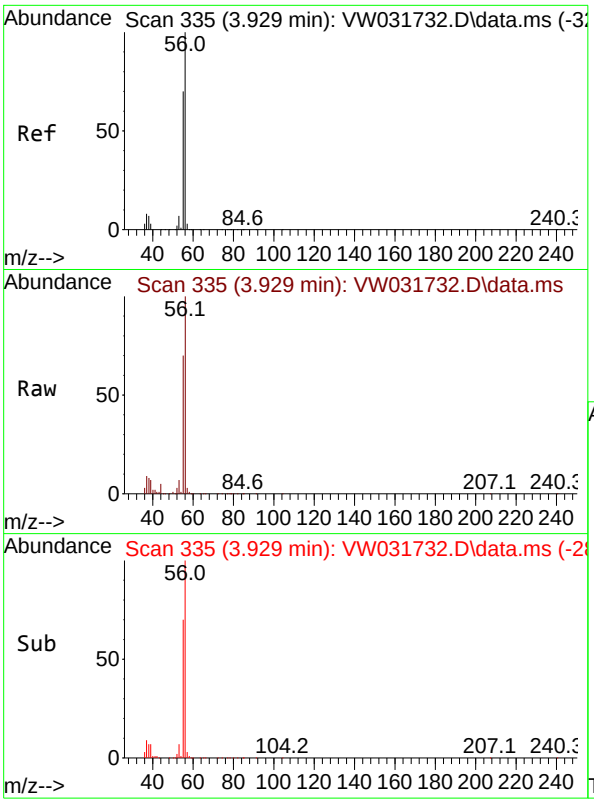


#12
1,1-Dichloroethene
Concen: 46.640 ug/l
RT: 4.075 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 96 Resp: 124737

Ion	Ratio	Lower	Upper
96	100		
61	169.8	135.8	203.8
98	63.0	50.4	75.6



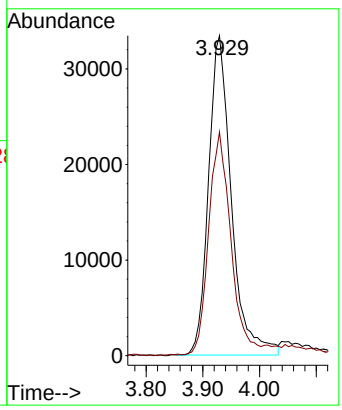


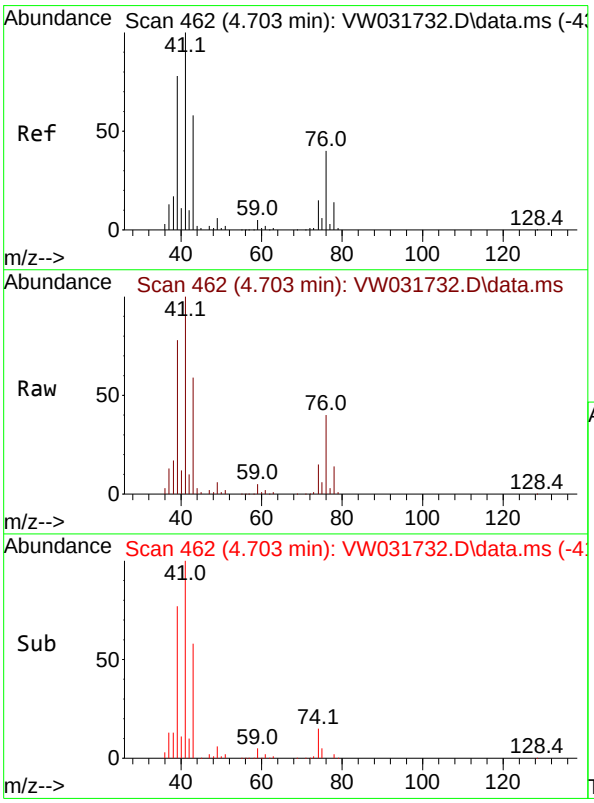
#13
Acrolein
Concen: 260.524 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 93443

Ion	Ratio	Lower	Upper
56	100		
55	67.5	54.0	81.0

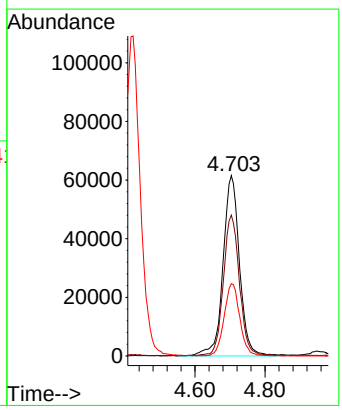


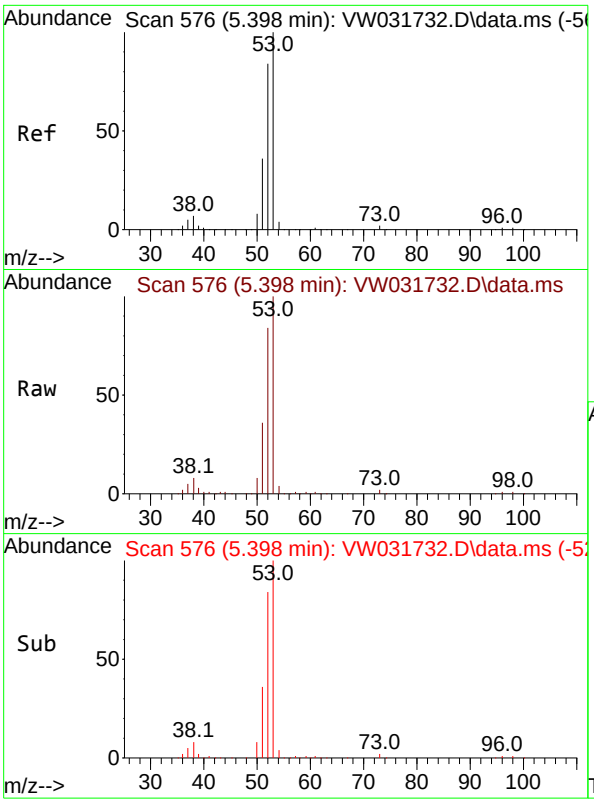


#14
Allyl chloride
Concen: 48.986 ug/l
RT: 4.703 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 201014

Ion	Ratio	Lower	Upper
41	100		
39	75.9	60.7	91.1
76	37.9	30.3	45.5



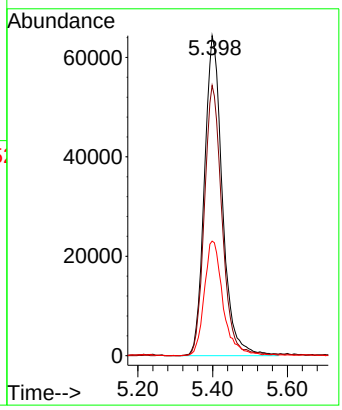


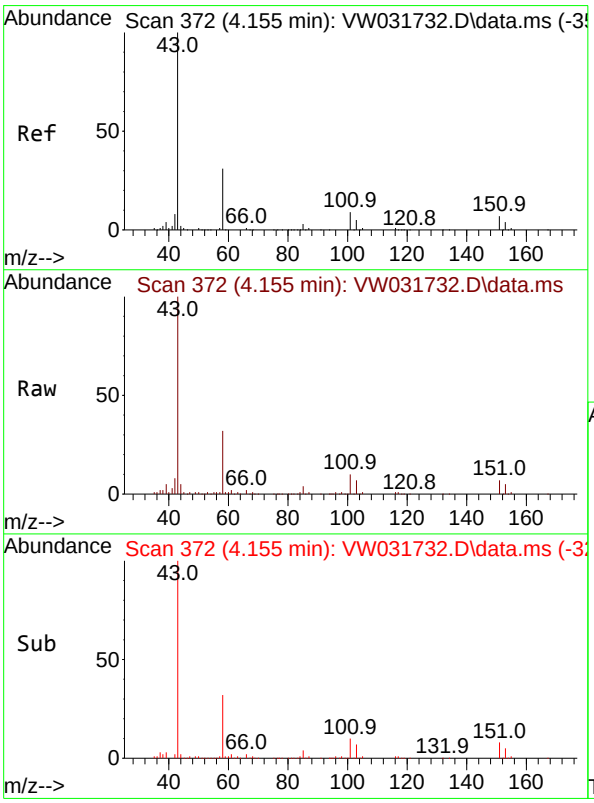
#15
Acrylonitrile
Concen: 261.033 ug/l
RT: 5.398 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 214572

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.4	29.9	44.9

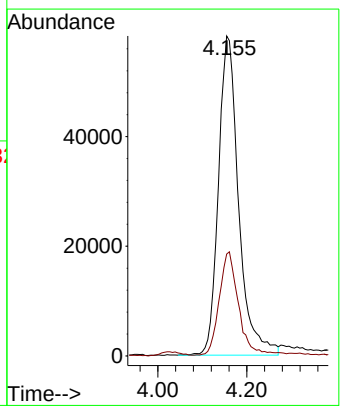


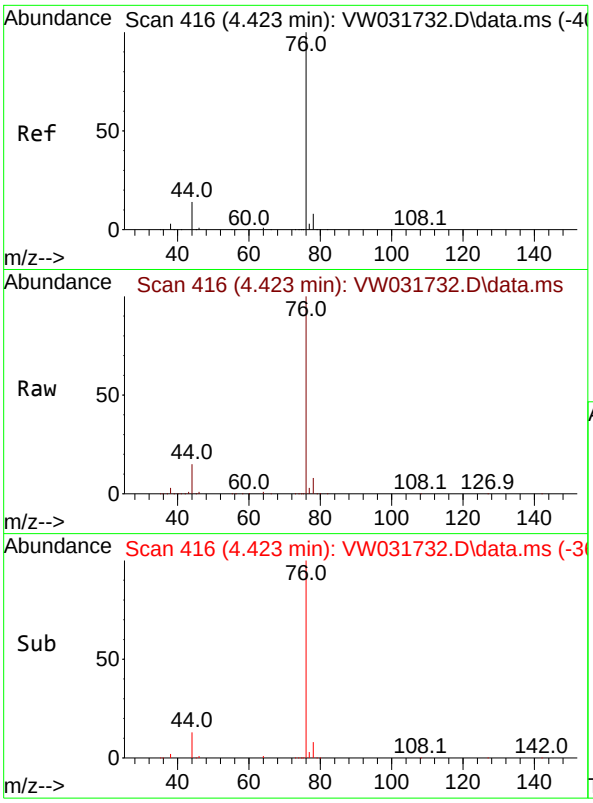


#16
Acetone
Concen: 228.296 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 182890

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2



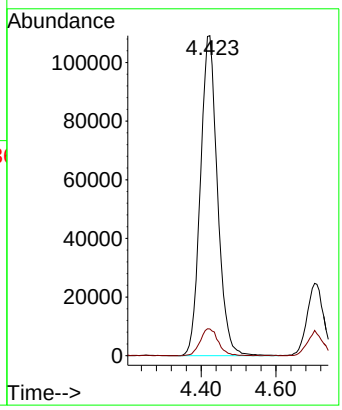


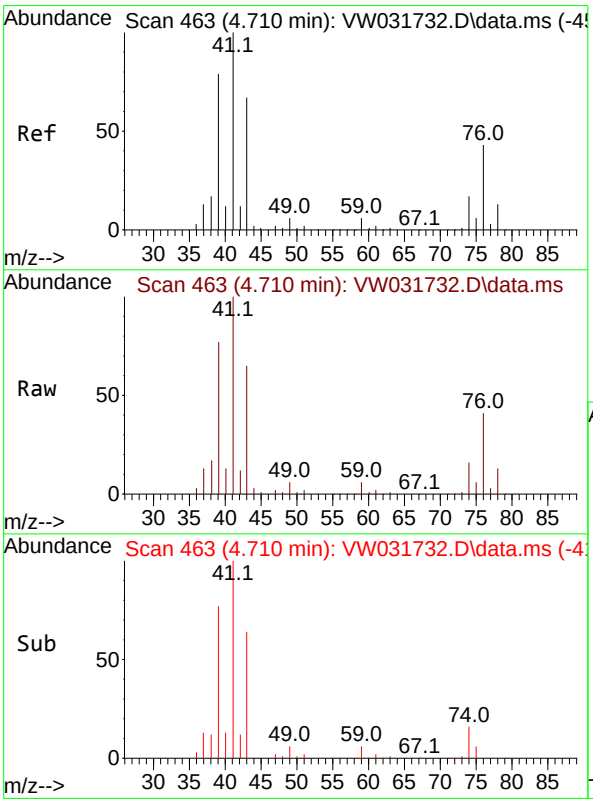
#17
Carbon Disulfide
Concen: 48.188 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 344867

Ion	Ratio	Lower	Upper
76	100		
78	8.3	6.6	10.0

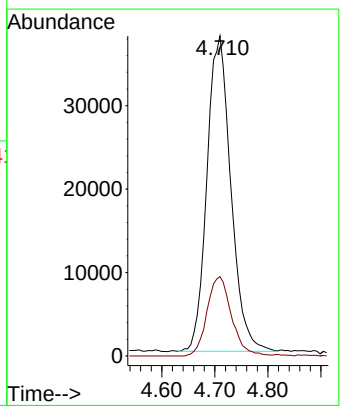


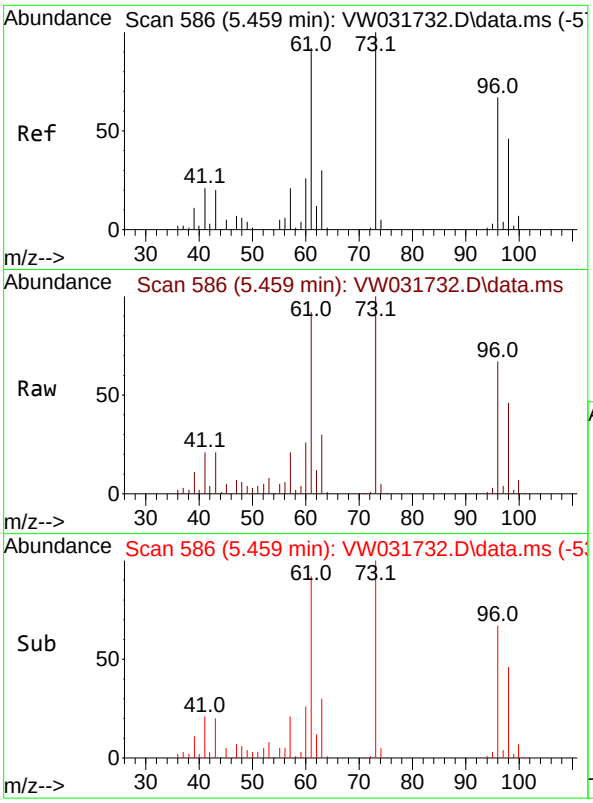


#18
Methyl Acetate
Concen: 52.118 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 118590

Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	30.8



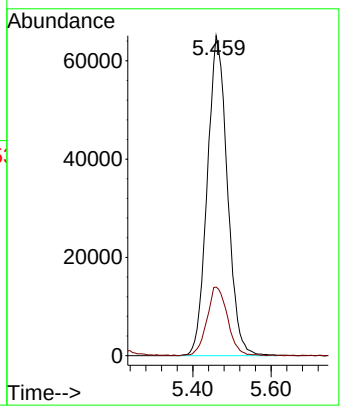


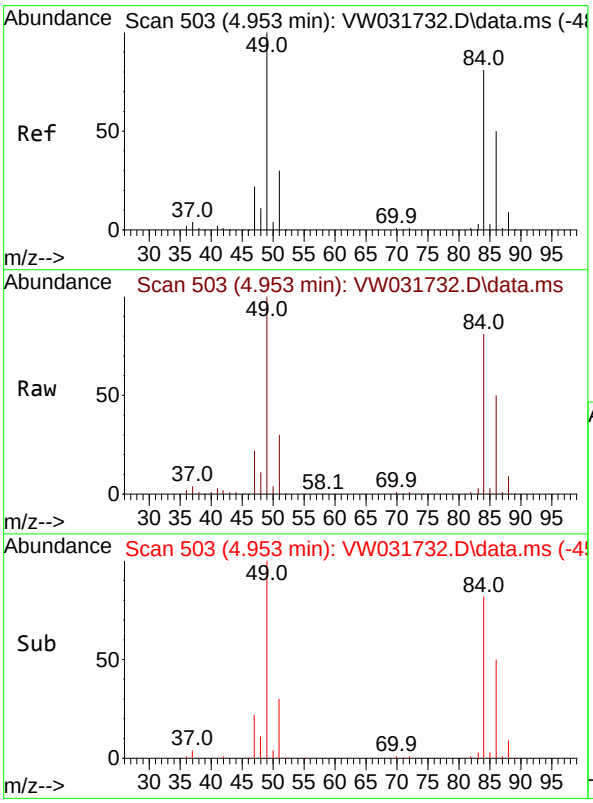
#19
Methyl tert-butyl Ether
Concen: 51.082 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 231884

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.2	25.8

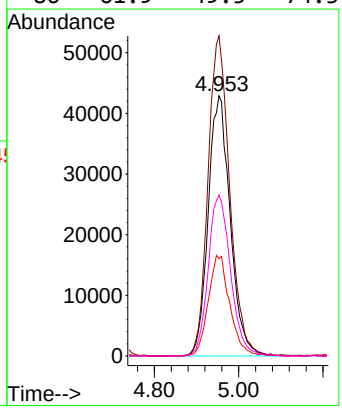


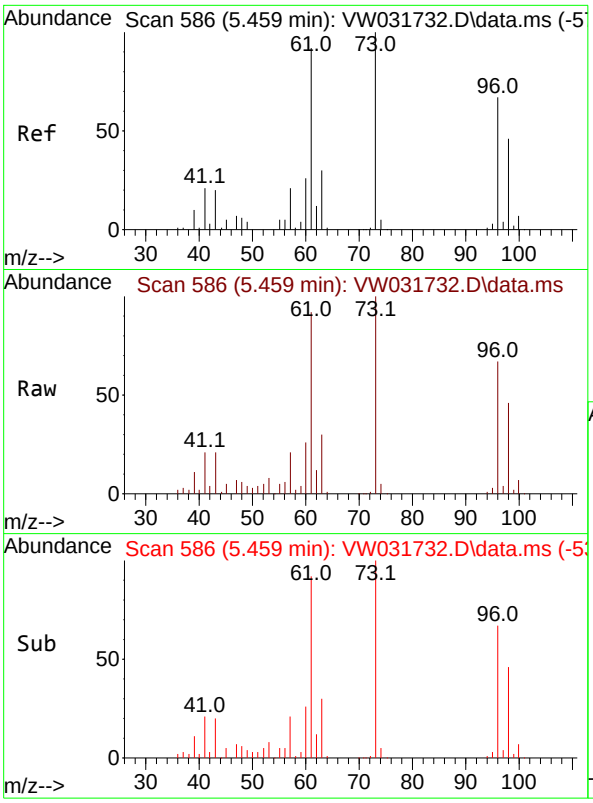


#20
Methylene Chloride
Concen: 48.806 ug/l
RT: 4.953 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 84 Resp: 155350

Ion	Ratio	Lower	Upper
84	100		
49	122.8	98.2	147.4
51	37.3	29.8	44.8
86	61.9	49.5	74.3



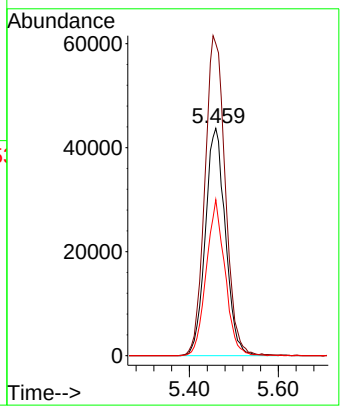


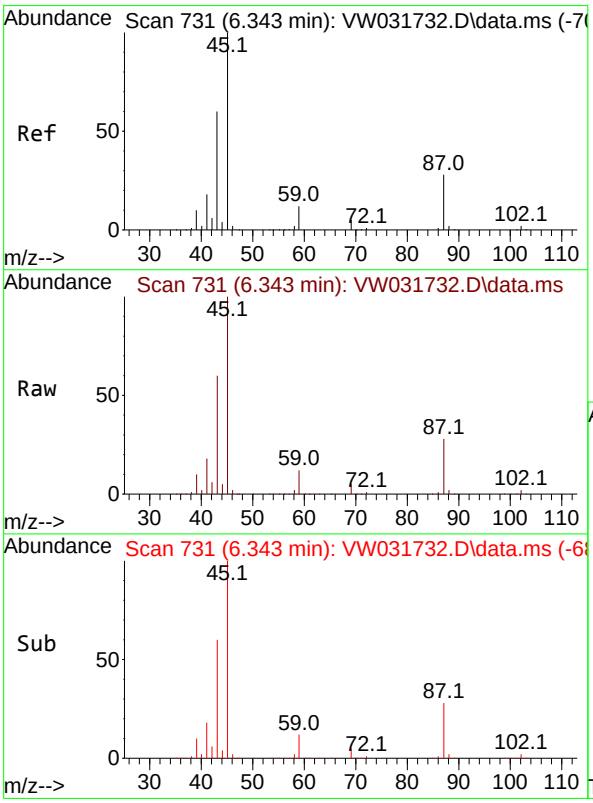
#21
trans-1,2-Dichloroethene
Concen: 48.382 ug/l
RT: 5.459 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 137493

Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.8	164.6
98	68.6	54.9	82.3

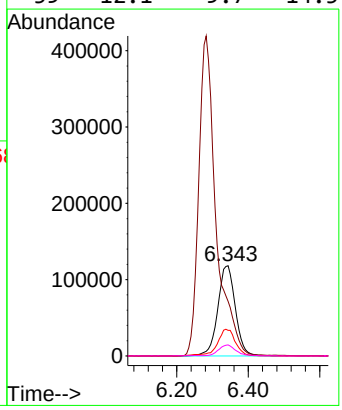


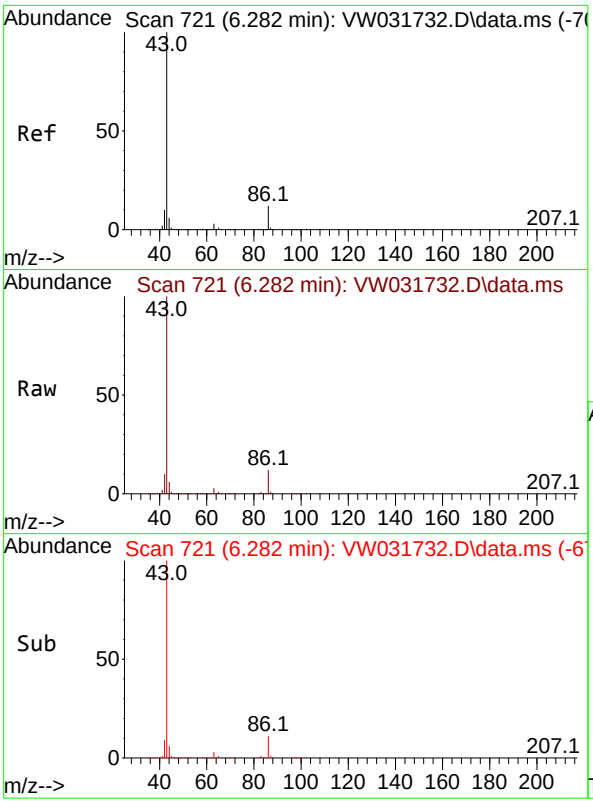


#22
Diisopropyl ether
Concen: 50.335 ug/l
RT: 6.343 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 45 Resp: 402830

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	28.3	22.6	34.0
59	12.1	9.7	14.5



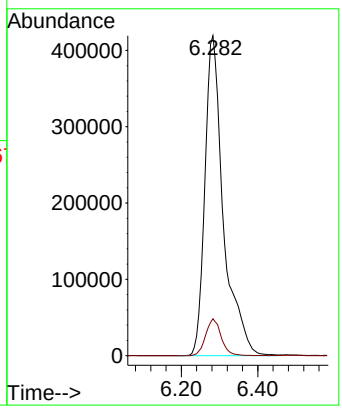


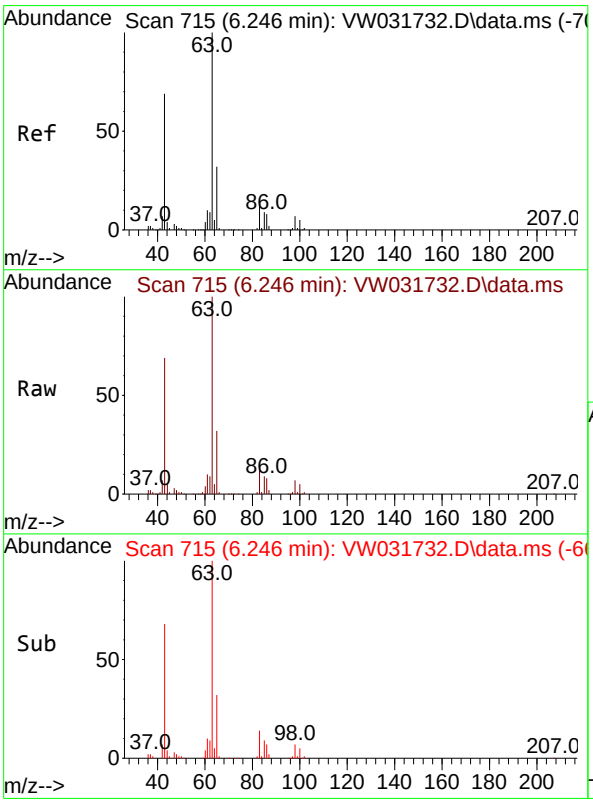
#23
Vinyl Acetate
Concen: 257.896 ug/l
RT: 6.282 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1409763

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

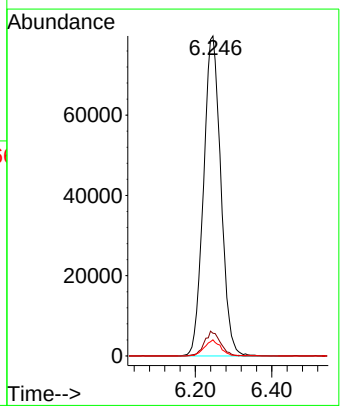


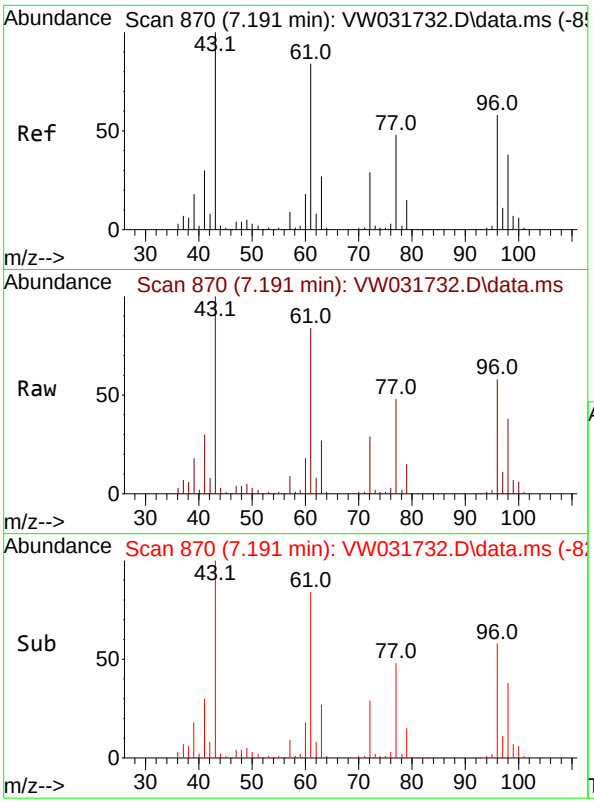


#24
1,1-Dichloroethane
Concen: 48.257 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 250386

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	5.0	2.5	7.5



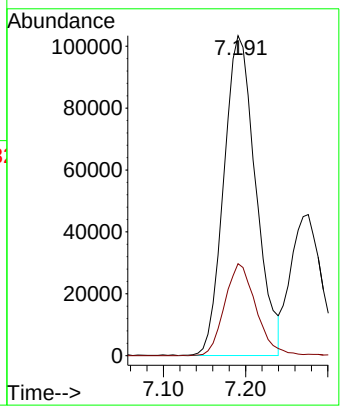


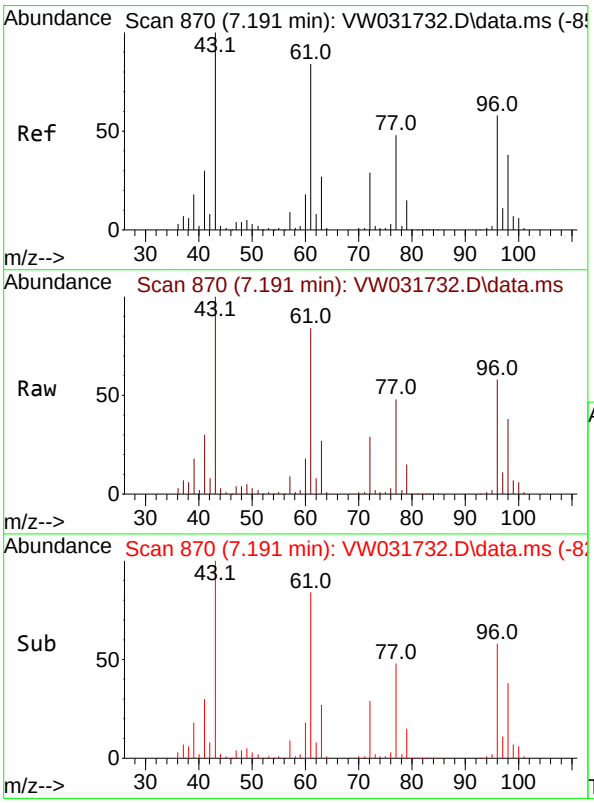
#25
2-Butanone
Concen: 269.438 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 279081

Ion	Ratio	Lower	Upper
43	100		
72	28.8	23.0	34.6

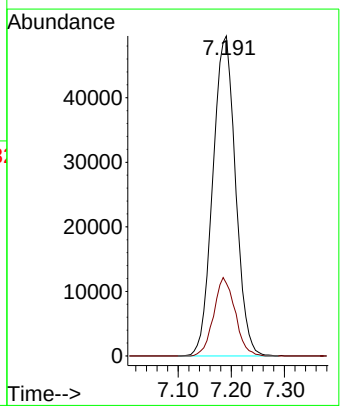


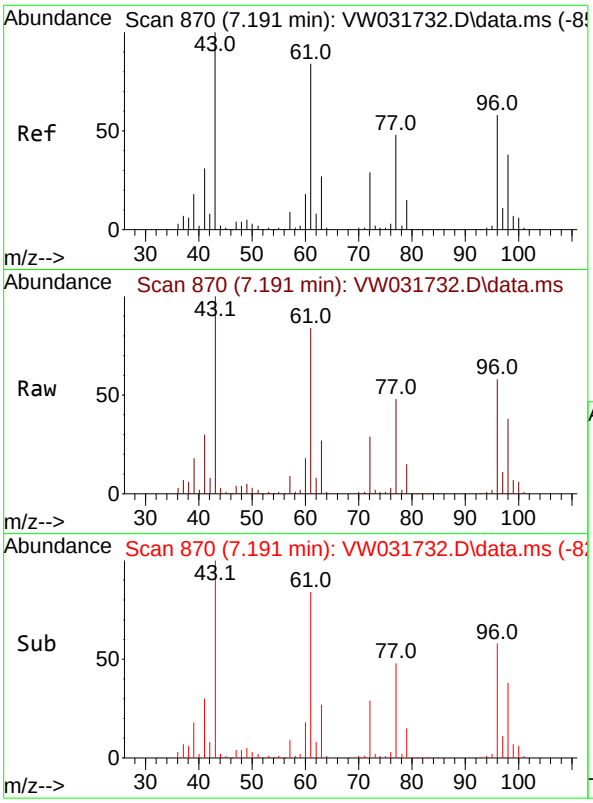


#26
2,2-Dichloropropane
Concen: 48.691 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 77 Resp: 147400

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.6	34.7



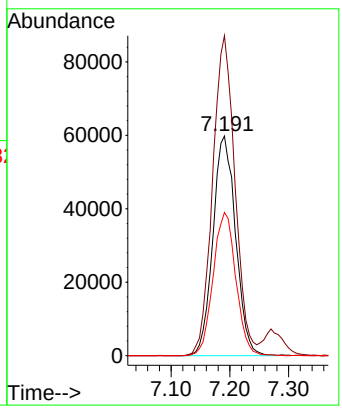


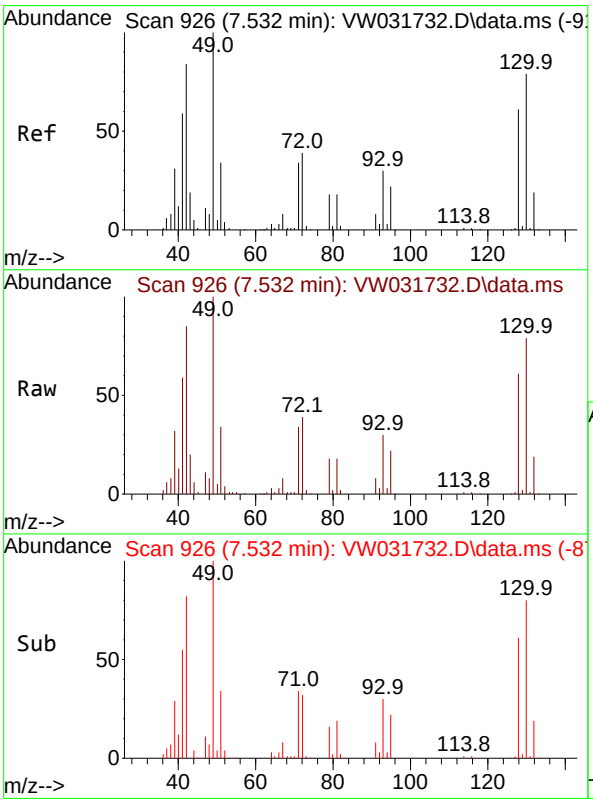
#27
cis-1,2-Dichloroethene
Concen: 49.190 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 160684

Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	286.8
98	65.2	0.0	130.4

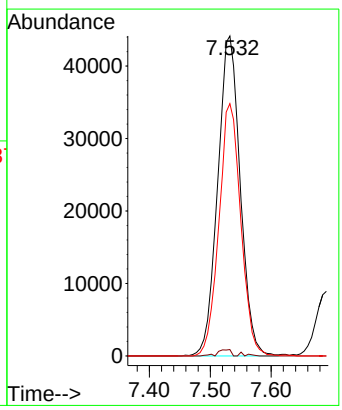


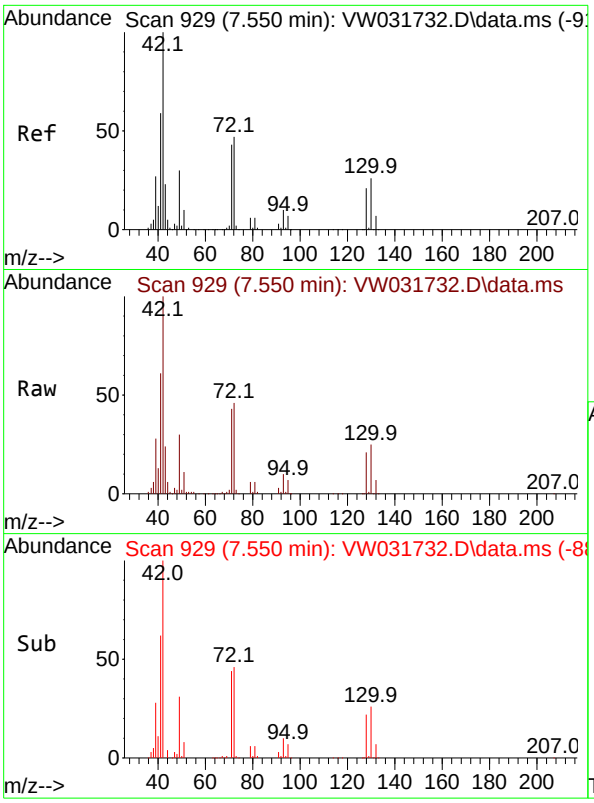


#28
Bromochloromethane
Concen: 49.435 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 49 Resp: 113190

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	76.6	61.3	91.9



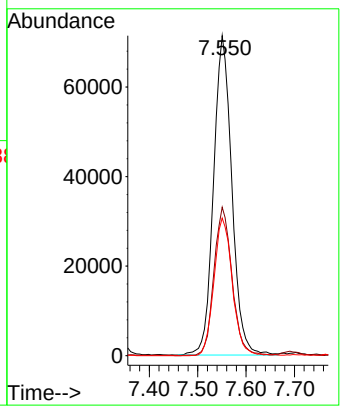


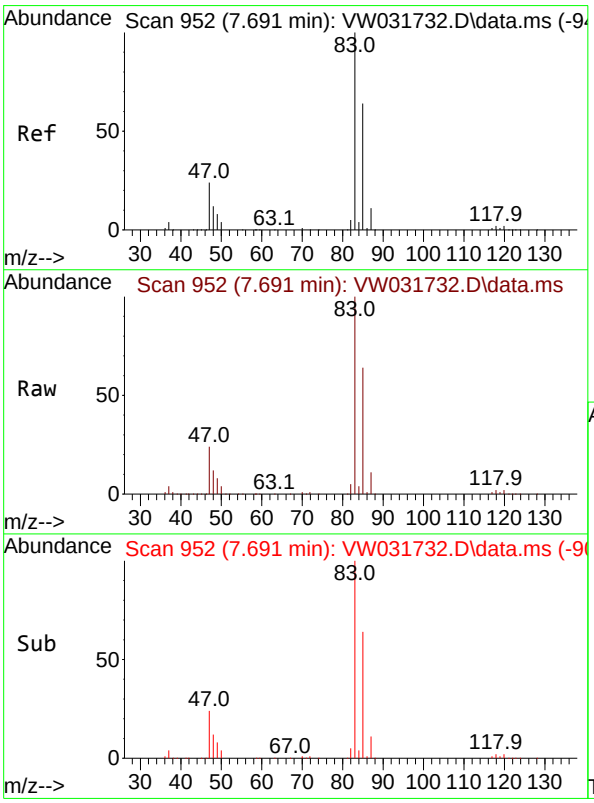
#29
Tetrahydrofuran
Concen: 265.287 ug/l
RT: 7.550 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 188178

Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.8	55.2
71	43.3	34.6	52.0

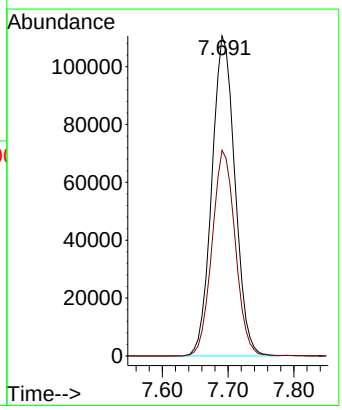


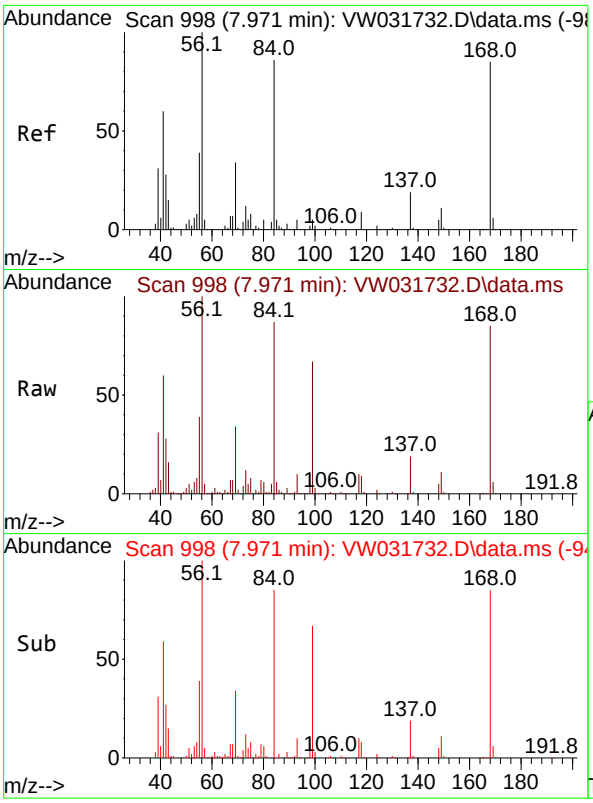


#30
Chloroform
Concen: 49.023 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 83 Resp: 270281

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0



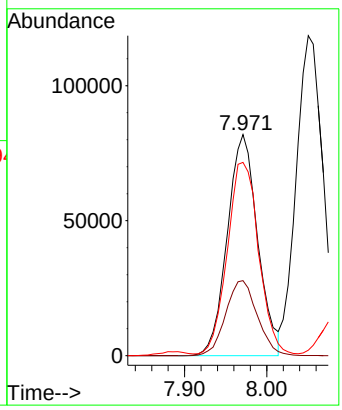


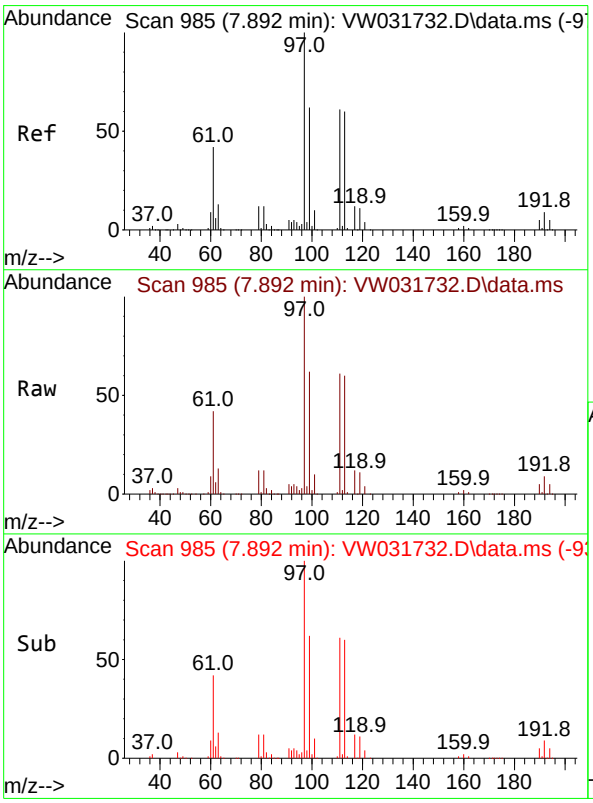
#31
Cyclohexane
Concen: 45.861 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 210337

Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	85.6	68.5	102.7

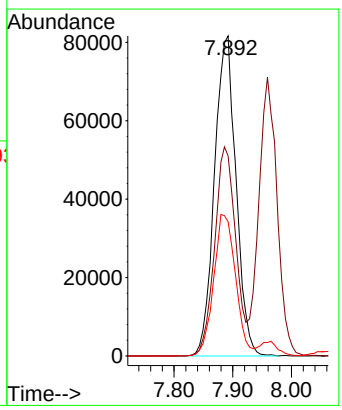


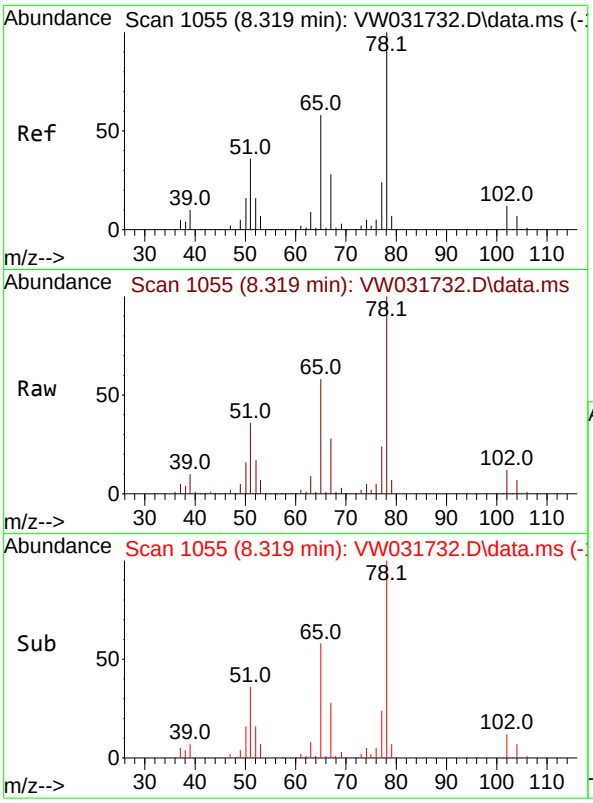


#32
1,1,1-Trichloroethane
Concen: 48.890 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 97 Resp: 207721

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.0	36.0	54.0



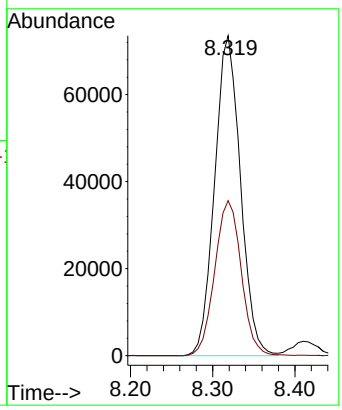


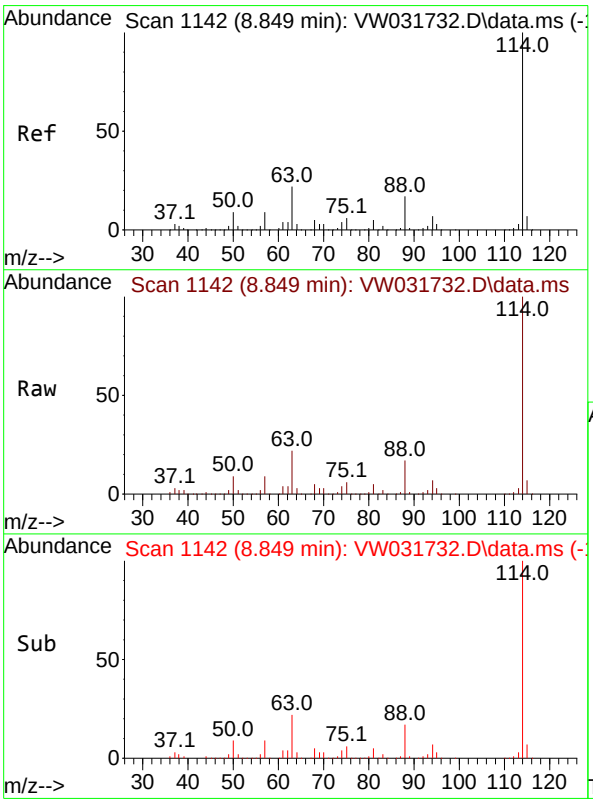
#33
1,2-Dichloroethane-d4
Concen: 49.813 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 160456

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.4

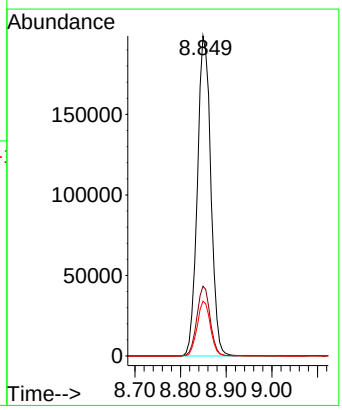


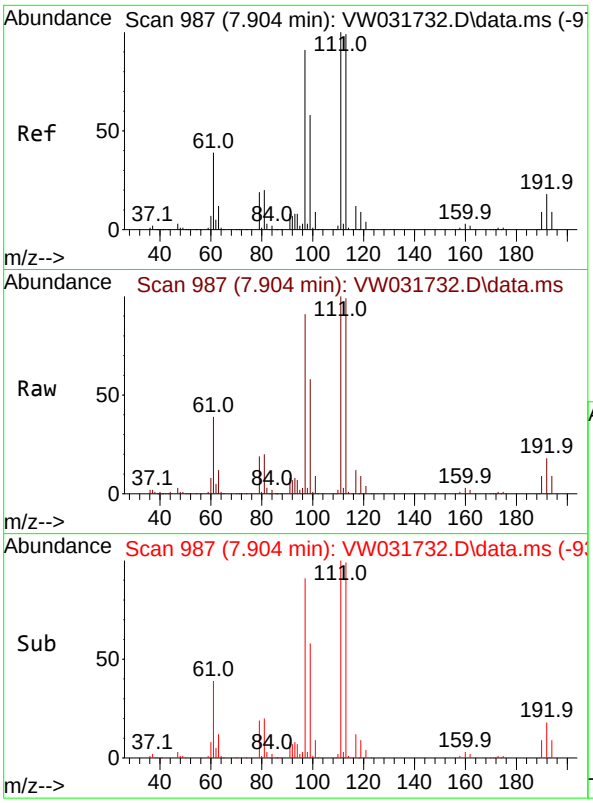


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:114 Resp: 404902

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.6
88	17.1	0.0	34.2



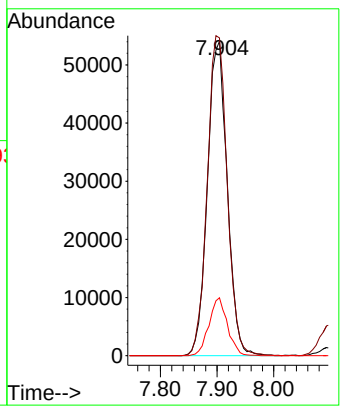


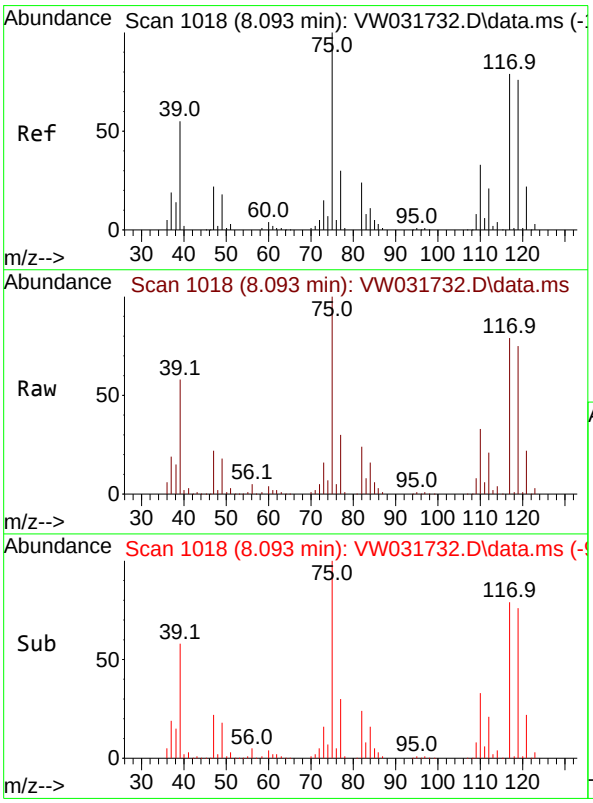
#35
Dibromofluoromethane
Concen: 49.622 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 131109

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	17.2	13.8	20.6

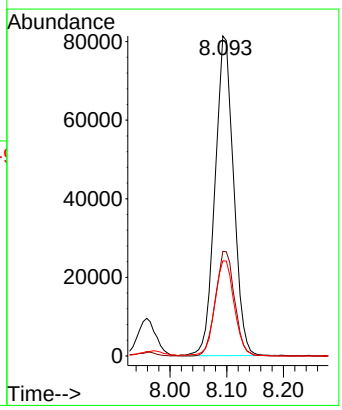


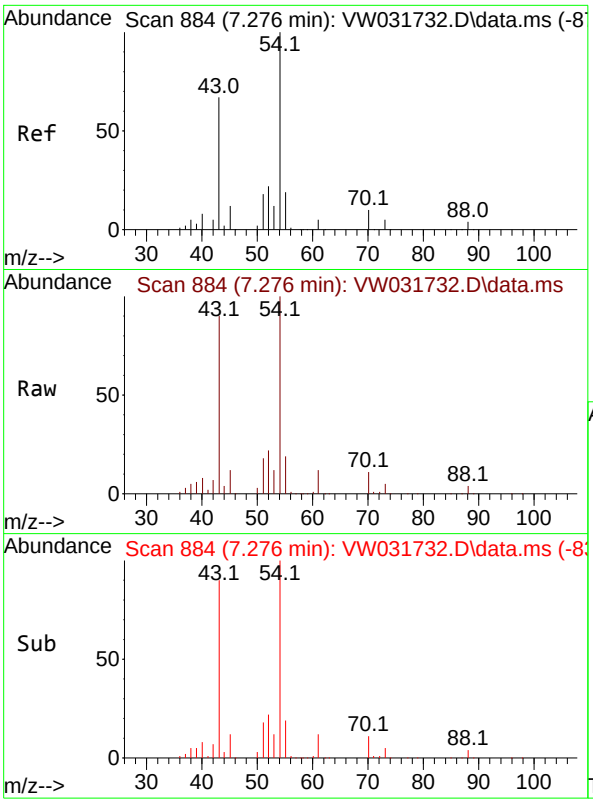


#36
1,1-Dichloropropene
Concen: 48.296 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 184651

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	31.3	25.0	37.6



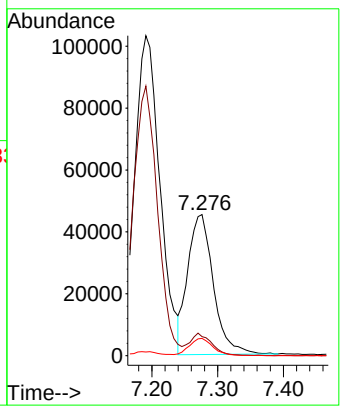


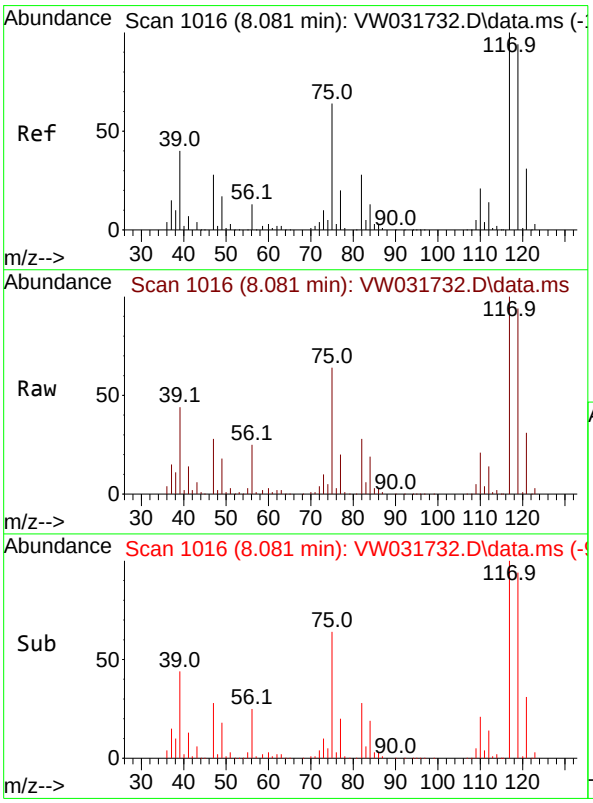
#37
Ethyl Acetate
Concen: 50.805 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 122534

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	11.5	9.2	13.8

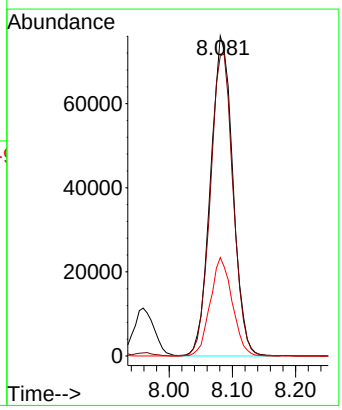


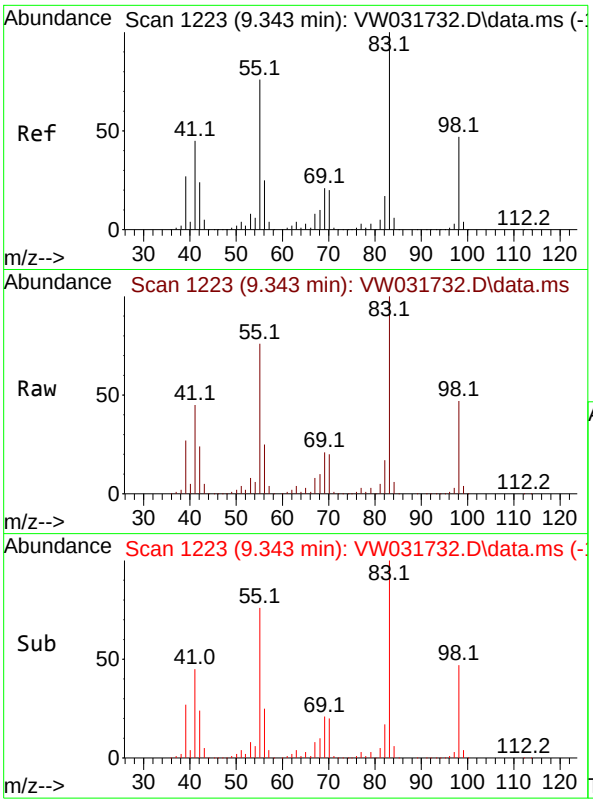


#38
Carbon Tetrachloride
Concen: 47.949 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 186814

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	30.8	24.6	37.0



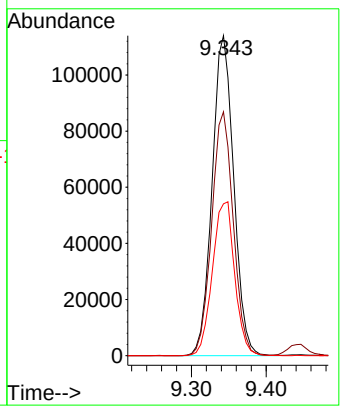


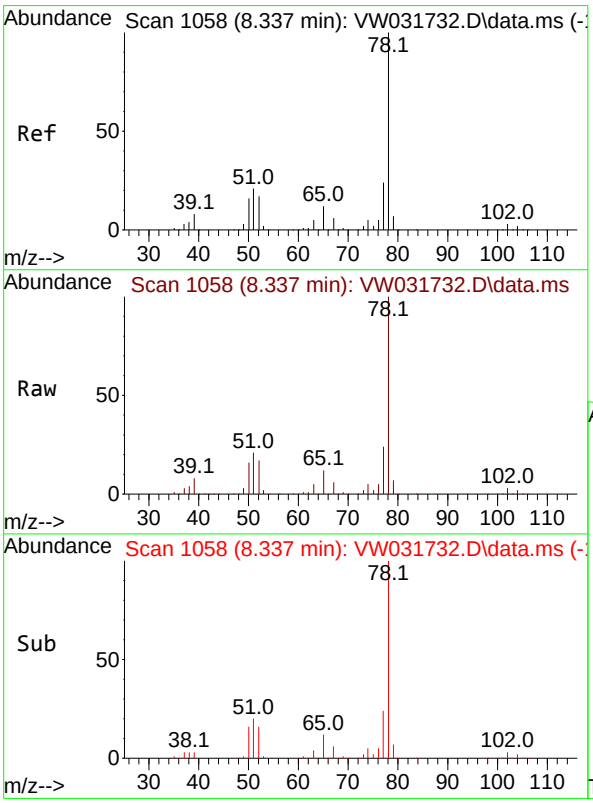
#39
Methylcyclohexane
Concen: 48.175 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 229164

Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	47.4	37.9	56.9

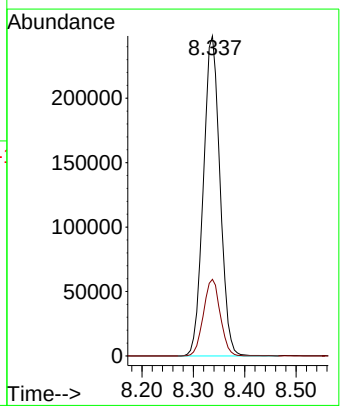


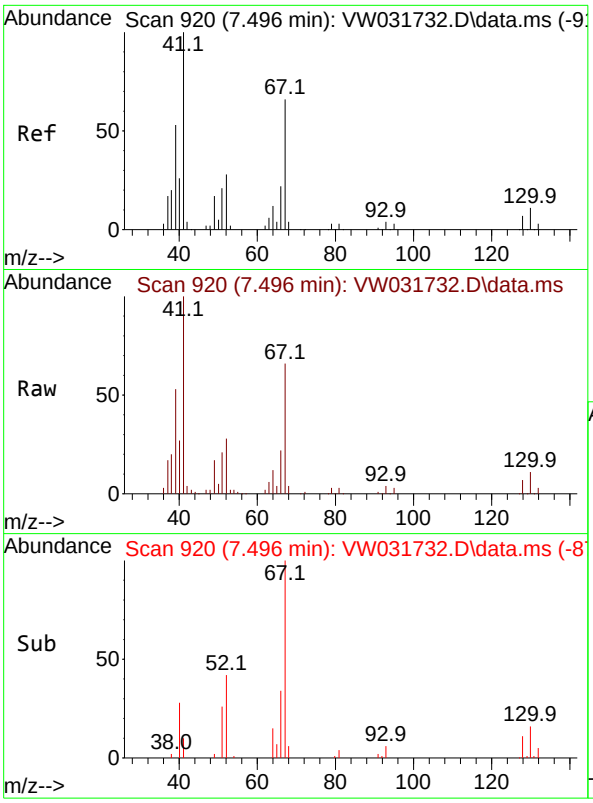


#40
Benzene
Concen: 49.213 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 78 Resp: 556688

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8



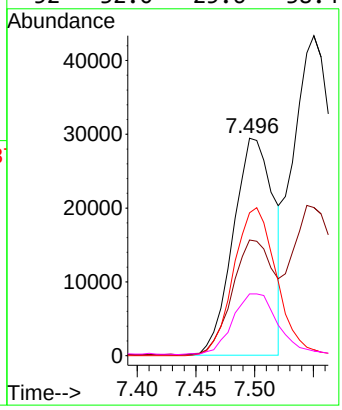


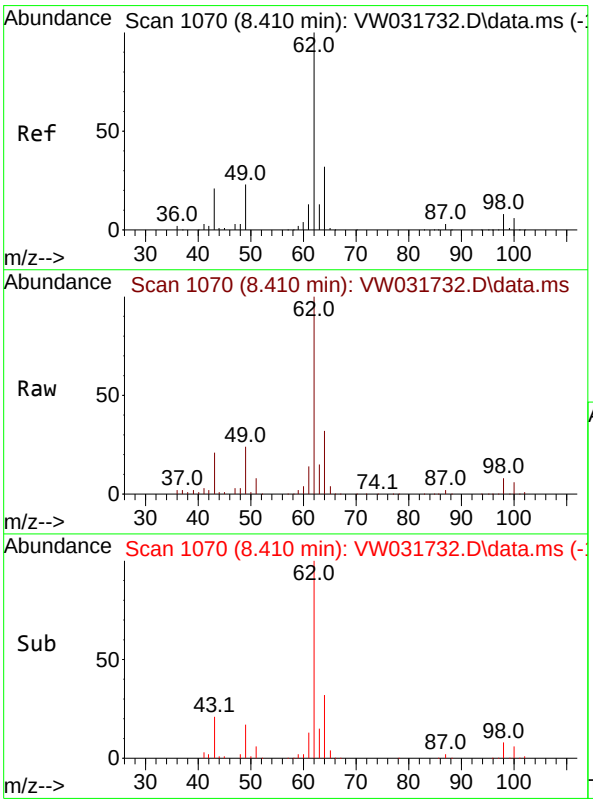
#41
Methacrylonitrile
Concen: 54.633 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70587

Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.2	64.8
67	72.6	58.1	87.1
52	32.0	25.6	38.4

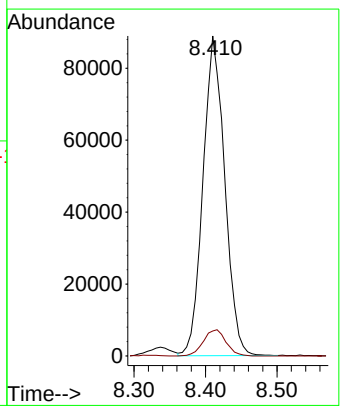


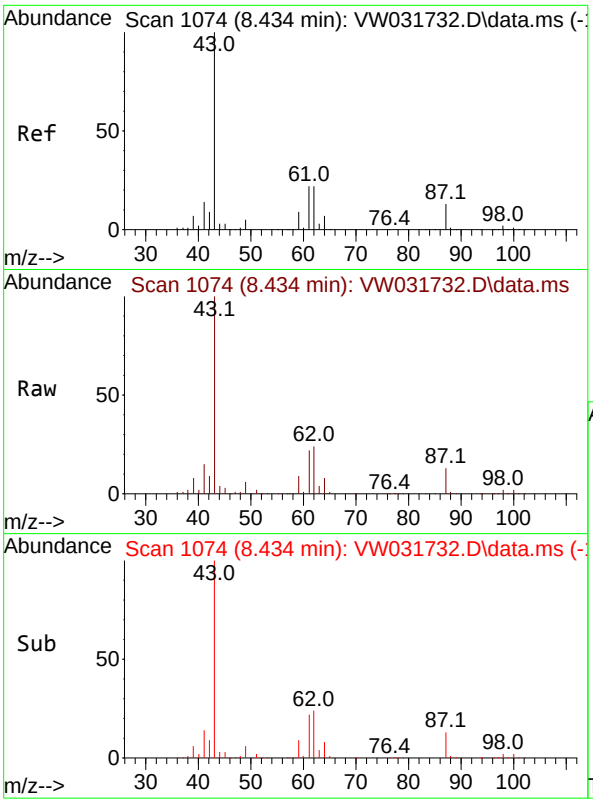


#42
1,2-Dichloroethane
Concen: 49.111 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 62 Resp: 187709

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2



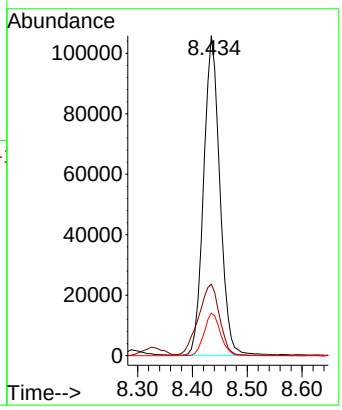


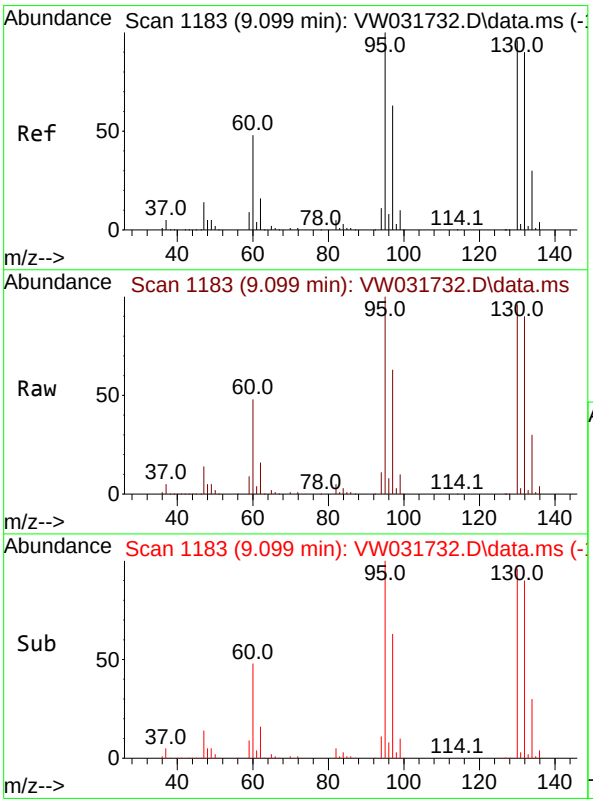
#43
Isopropyl Acetate
Concen: 52.141 ug/l
RT: 8.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 216777

Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.5	10.8	16.2

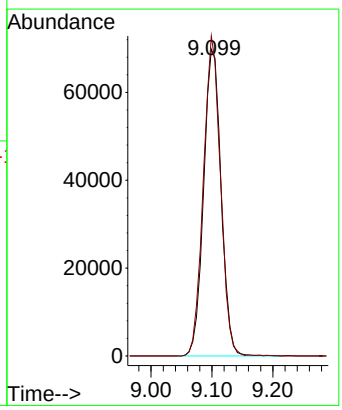


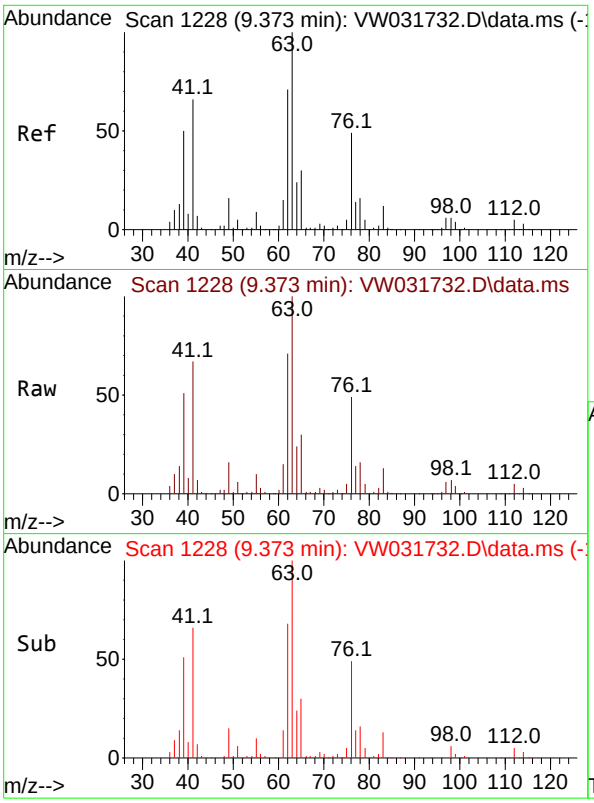


#44
Trichloroethene
Concen: 49.275 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:130 Resp: 139117

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	208.6



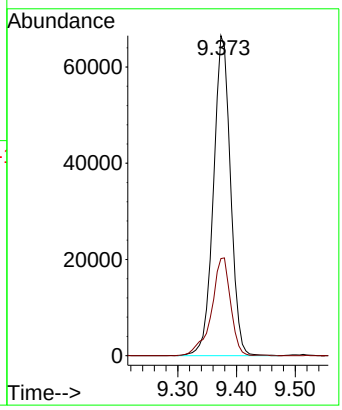


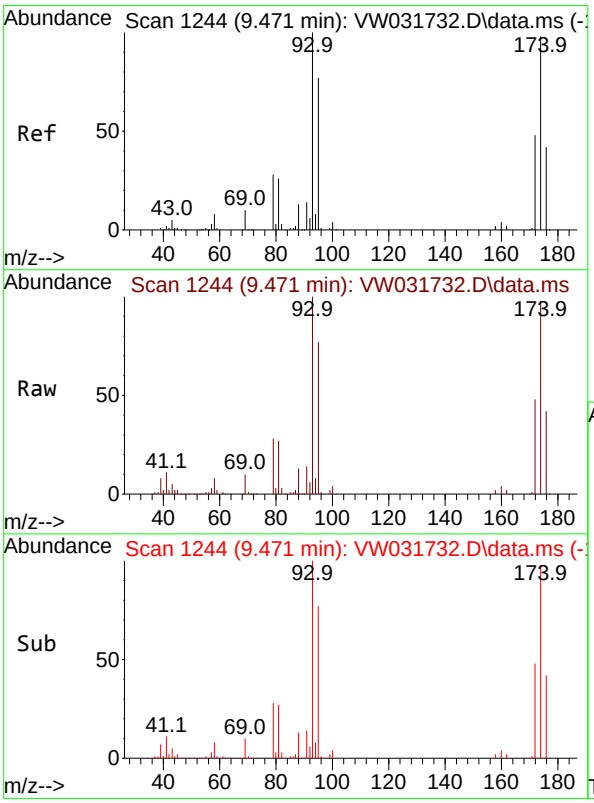
#45
1,2-Dichloropropane
Concen: 49.040 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 134070

Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

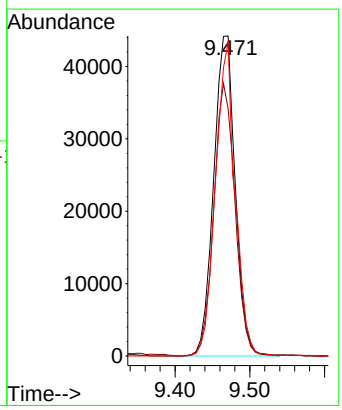


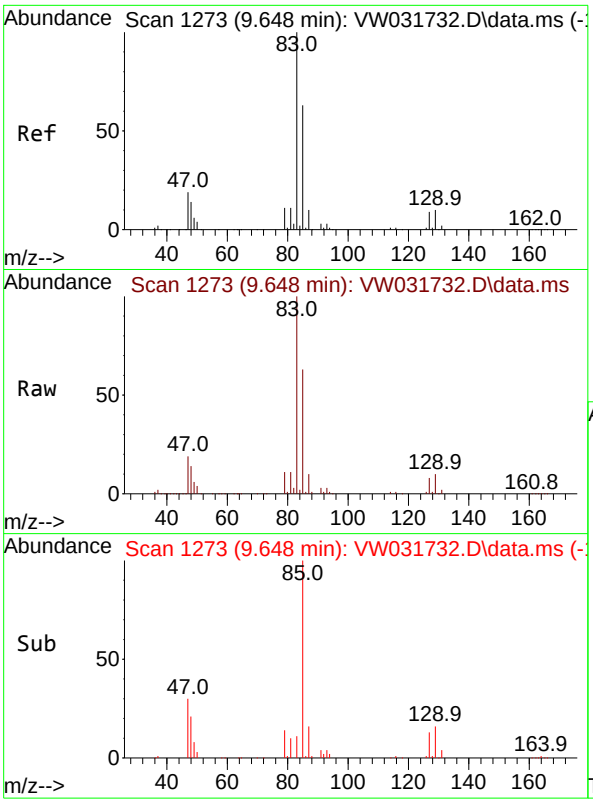


#46
Dibromomethane
Concen: 50.266 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 93 Resp: 88721

Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	89.6	71.7	107.5



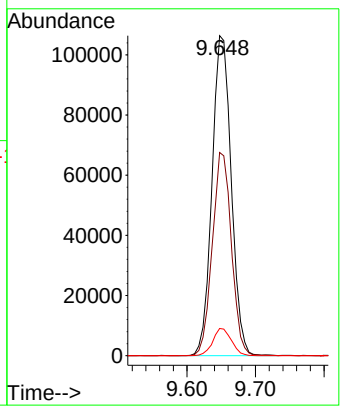


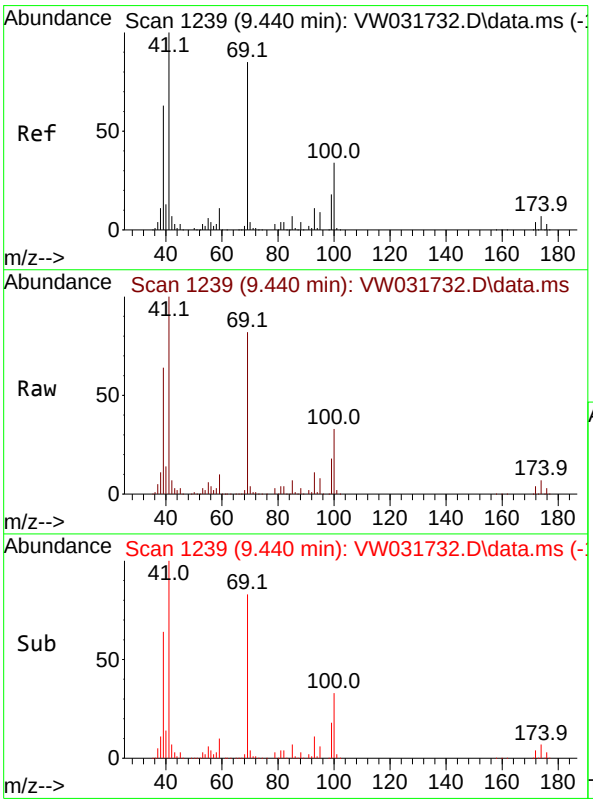
#47
Bromodichloromethane
Concen: 50.013 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 207001

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.5	6.8	10.2

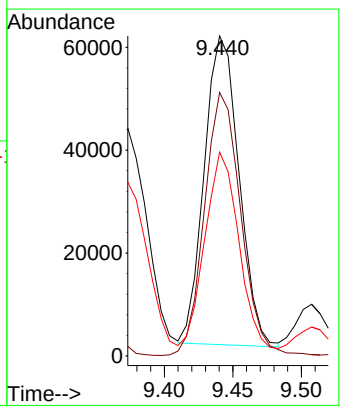


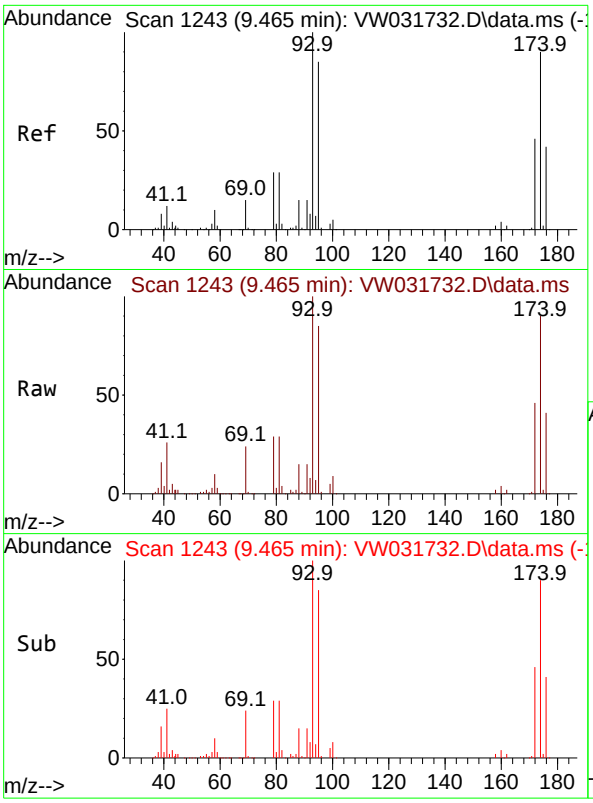


#48
Methyl methacrylate
Concen: 51.725 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 41 Resp: 105740

Ion	Ratio	Lower	Upper
41	100		
69	89.5	71.6	107.4
39	61.9	49.5	74.3



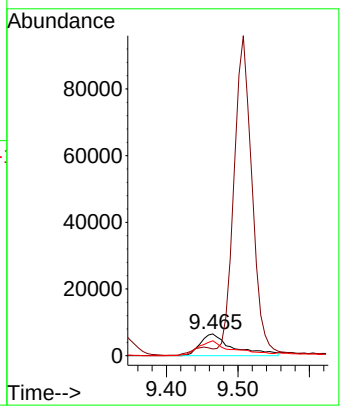


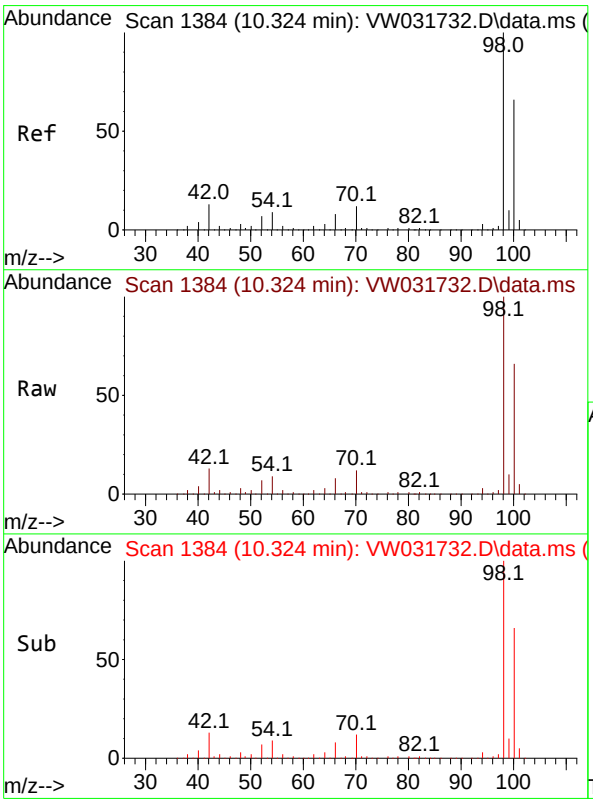
#49
1,4-Dioxane
Concen: 1100.195 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 20673

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.9	58.3	87.5

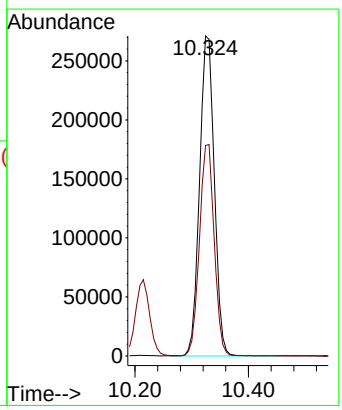


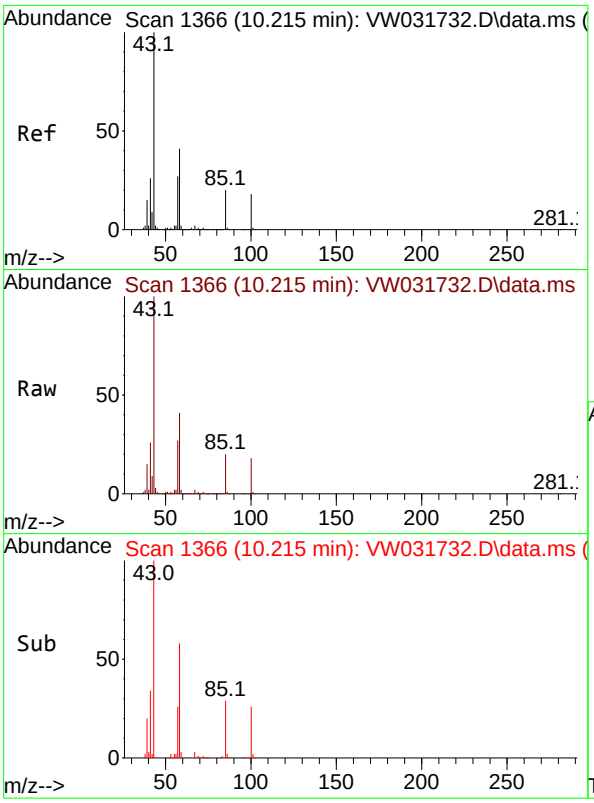


#50
Toluene-d8
Concen: 49.762 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 98 Resp: 489286

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



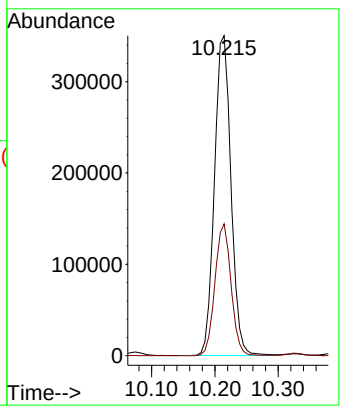


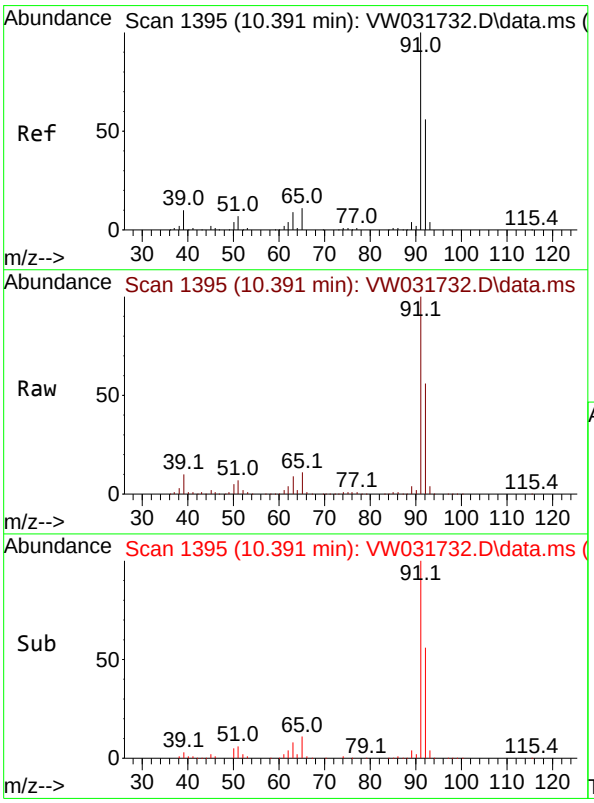
#51
4-Methyl-2-Pentanone
Concen: 264.876 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 633101

Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2

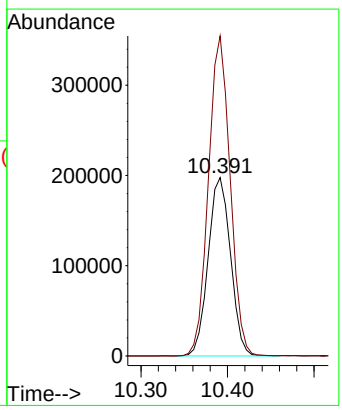


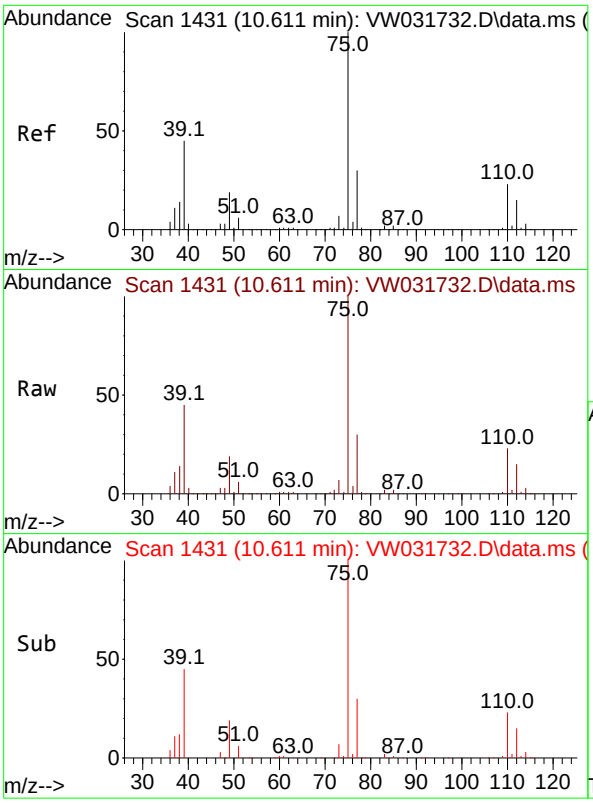


#52
Toluene
Concen: 48.965 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 92 Resp: 354627

Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.5	209.3



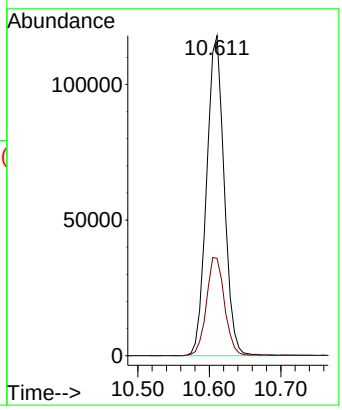


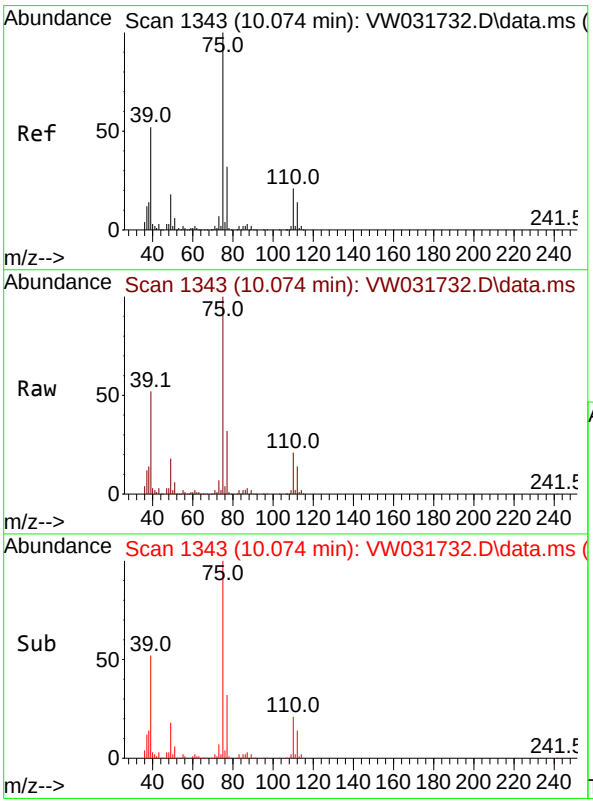
#53
t-1,3-Dichloropropene
Concen: 51.763 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 201014

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5

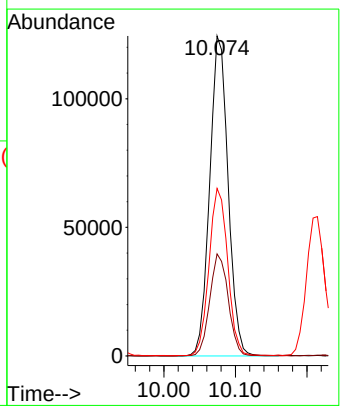


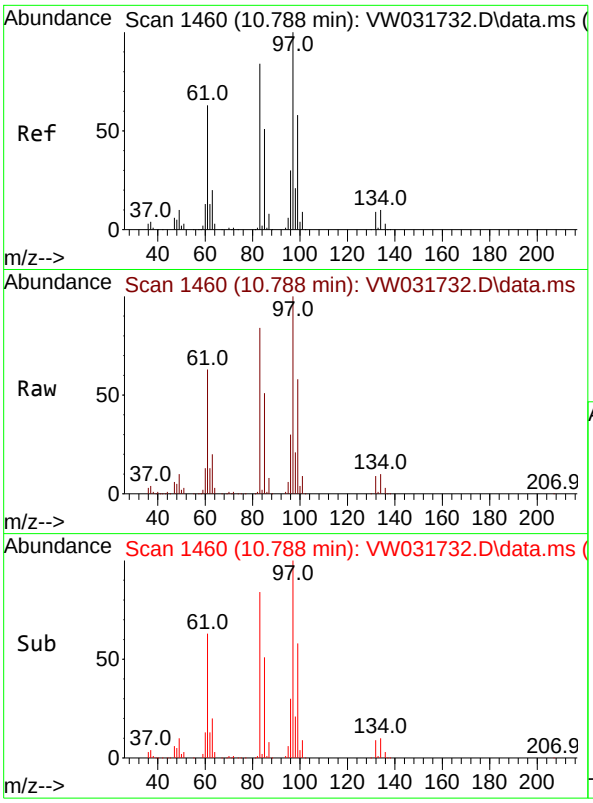


#54
cis-1,3-Dichloropropene
Concen: 50.493 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 222288

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	52.2	41.8	62.6



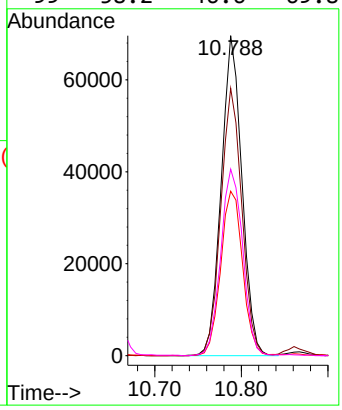


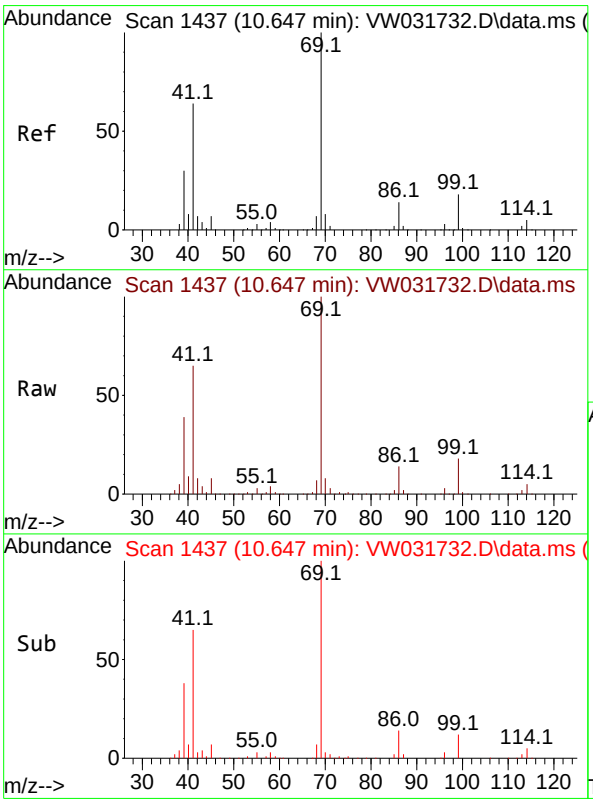
#55
1,1,2-Trichloroethane
Concen: 49.991 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 115580

Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	51.4	41.1	61.7
99	58.2	46.6	69.8

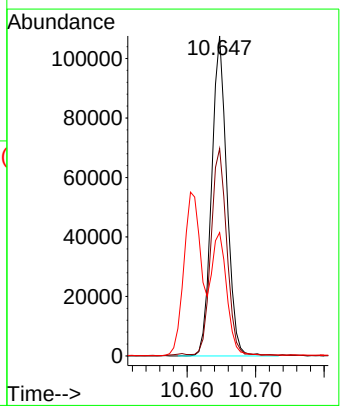


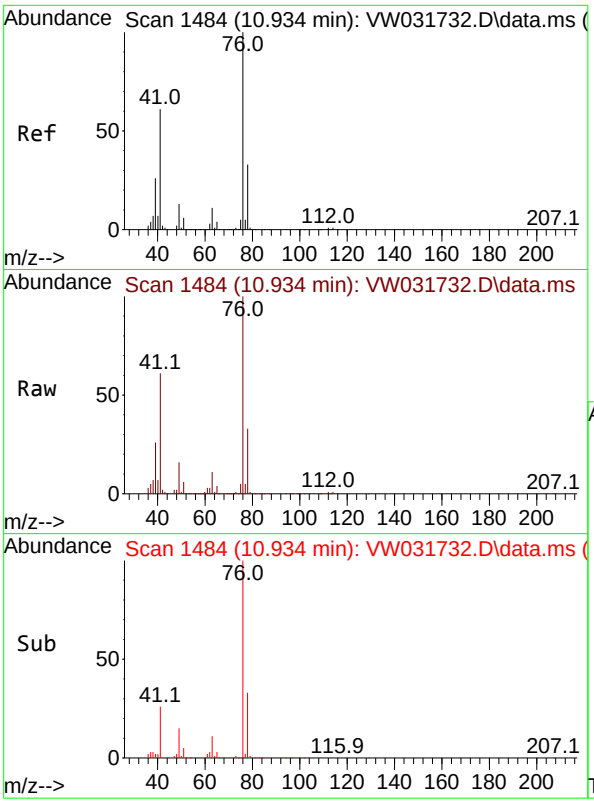


#56
Ethyl methacrylate
Concen: 52.971 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 69 Resp: 166152

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.3	79.9
39	37.7	30.2	45.2



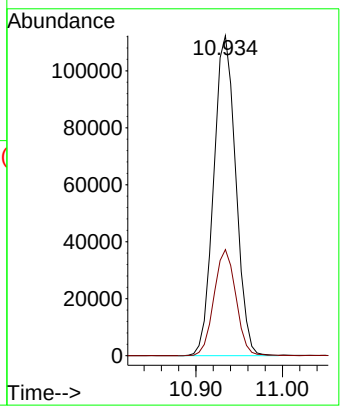


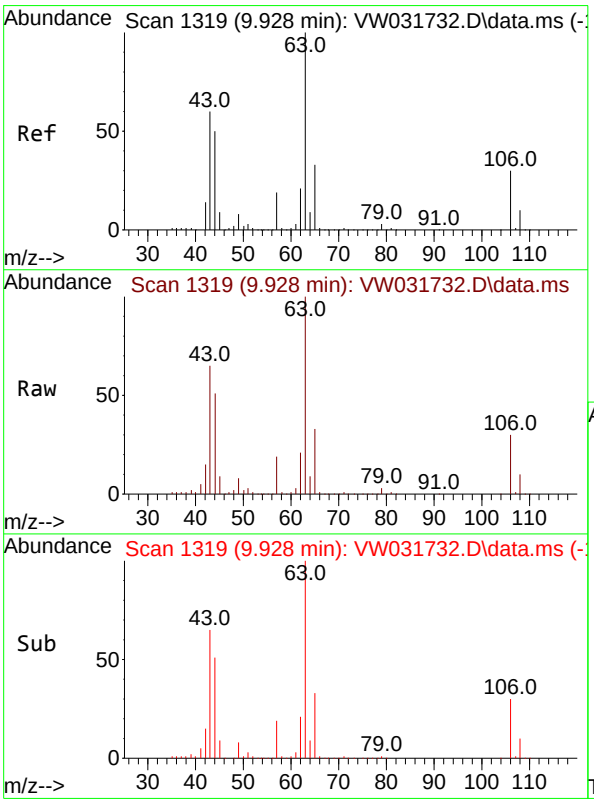
#57
1,3-Dichloropropane
Concen: 49.013 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 198954

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

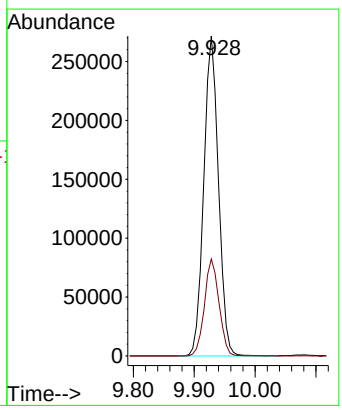


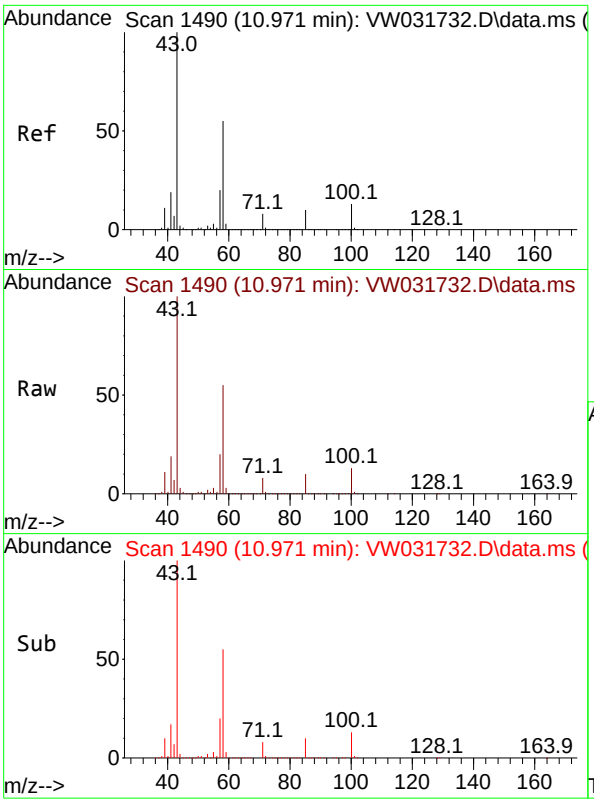


#58
2-Chloroethyl Vinyl ether
Concen: 263.272 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 63 Resp: 454721

Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.1	36.1



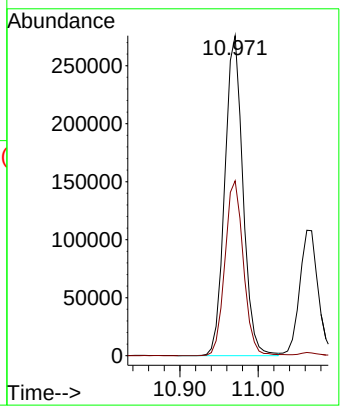


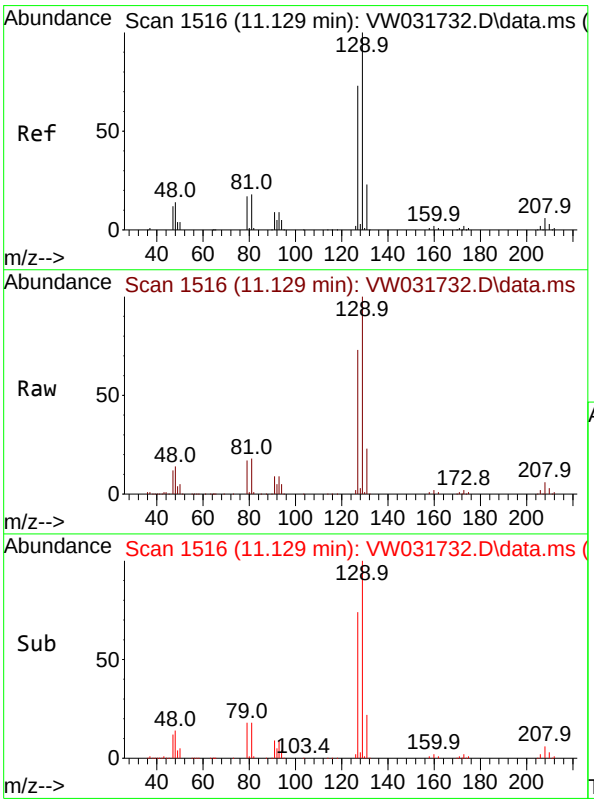
#59
2-Hexanone
Concen: 274.219 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 444148

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.9	83.6

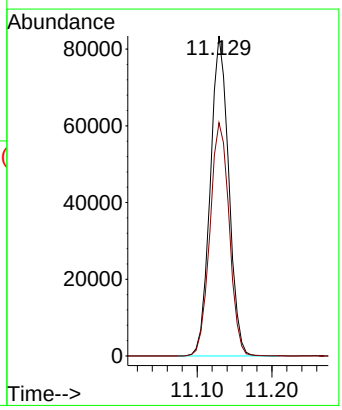


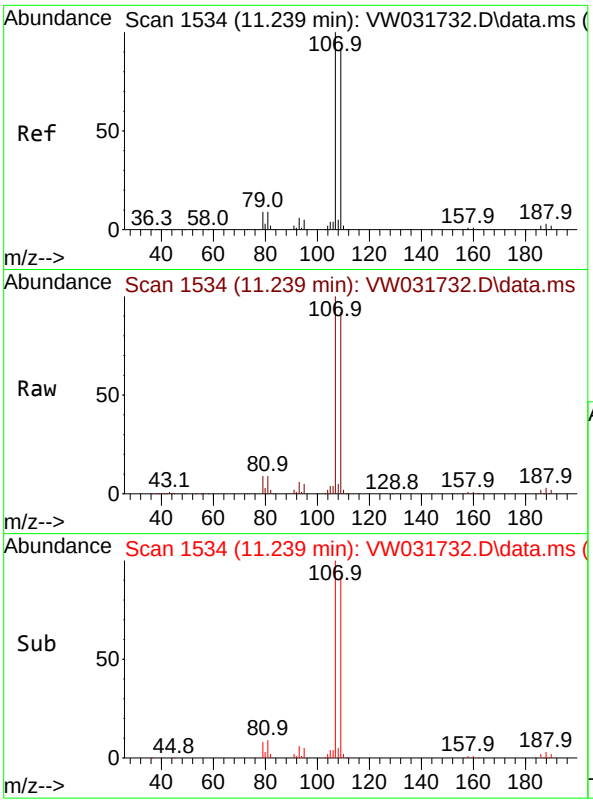


#60
Dibromochloromethane
Concen: 51.621 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:129 Resp: 142721

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.0	114.1



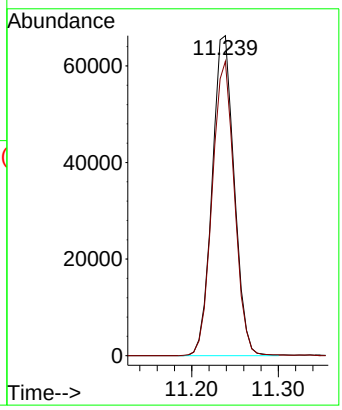


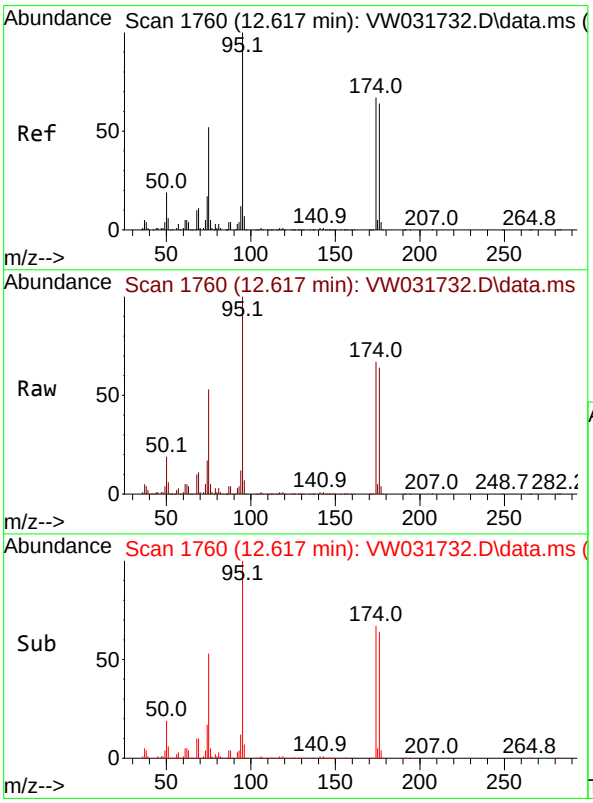
#61
1,2-Dibromoethane
Concen: 50.674 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 117287

Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.9	110.9

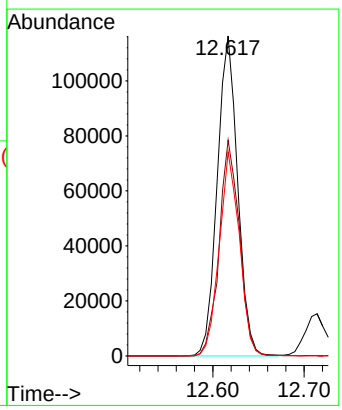


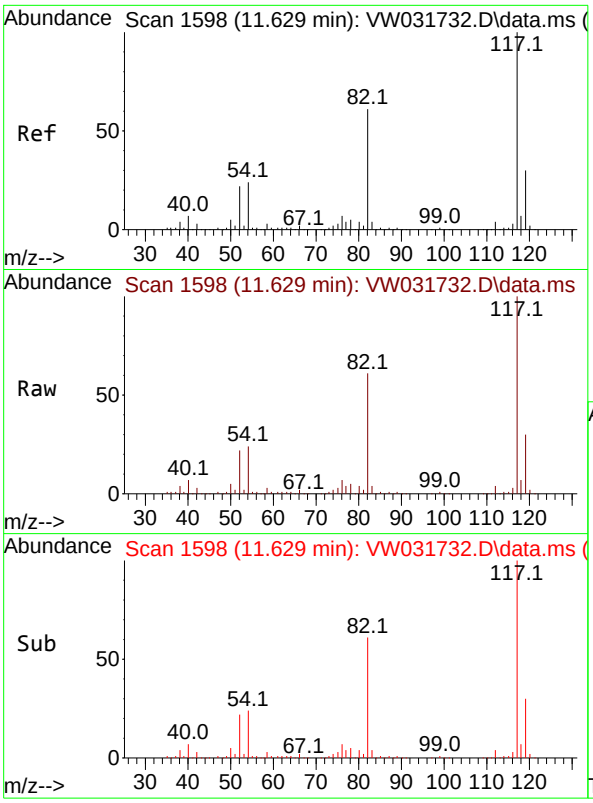


#62
4-Bromofluorobenzene
Concen: 49.986 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 95 Resp: 180870

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	133.8
176	63.0	0.0	126.0



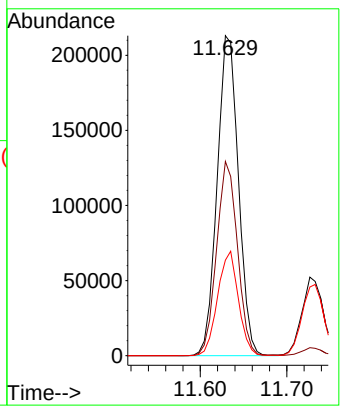


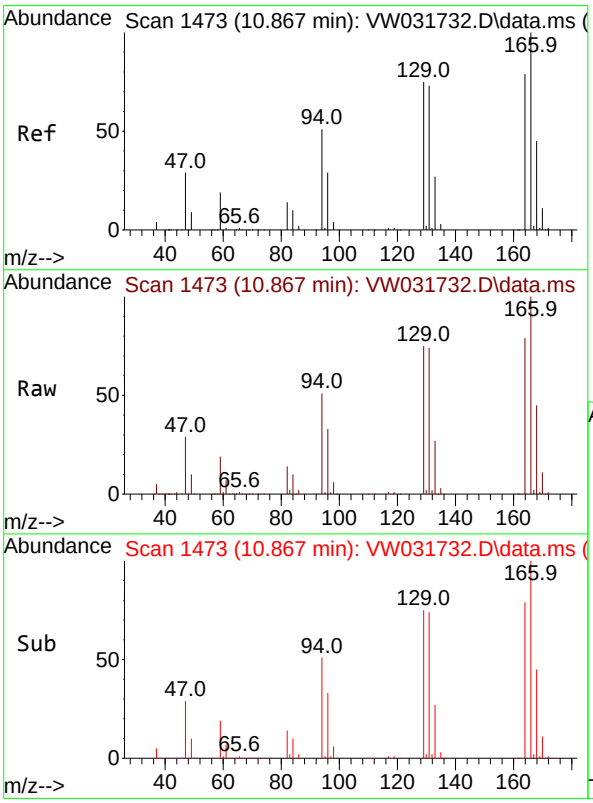
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 363615

Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.6	72.8
119	29.9	23.9	35.9

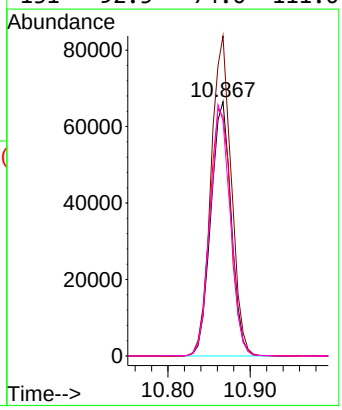


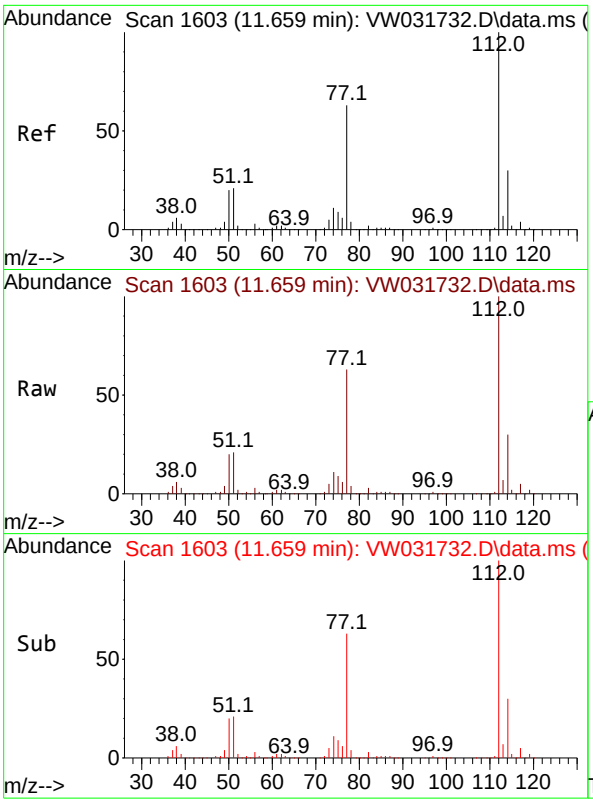


#64
Tetrachloroethene
Concen: 47.928 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:164 Resp: 113995

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.7	151.1
129	94.2	75.4	113.0
131	92.5	74.0	111.0



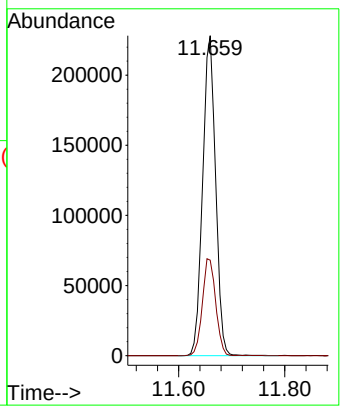


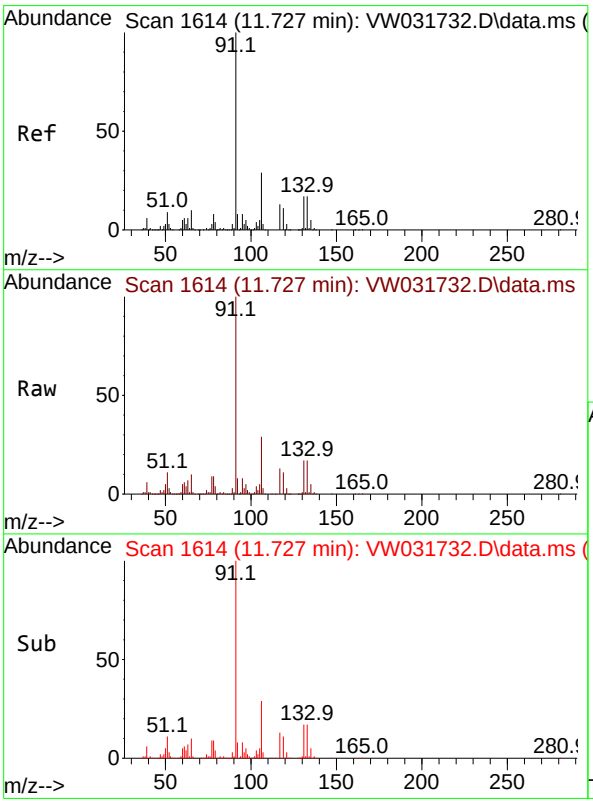
#65
Chlorobenzene
Concen: 48.141 ug/l
RT: 11.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 386218

Ion	Ratio	Lower	Upper
112	100		
114	29.8	23.8	35.8

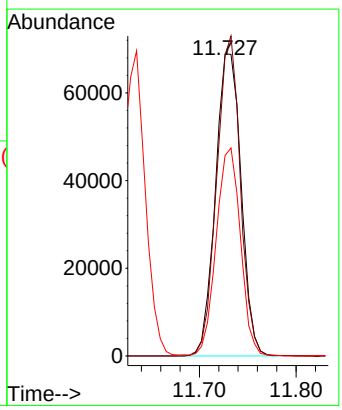


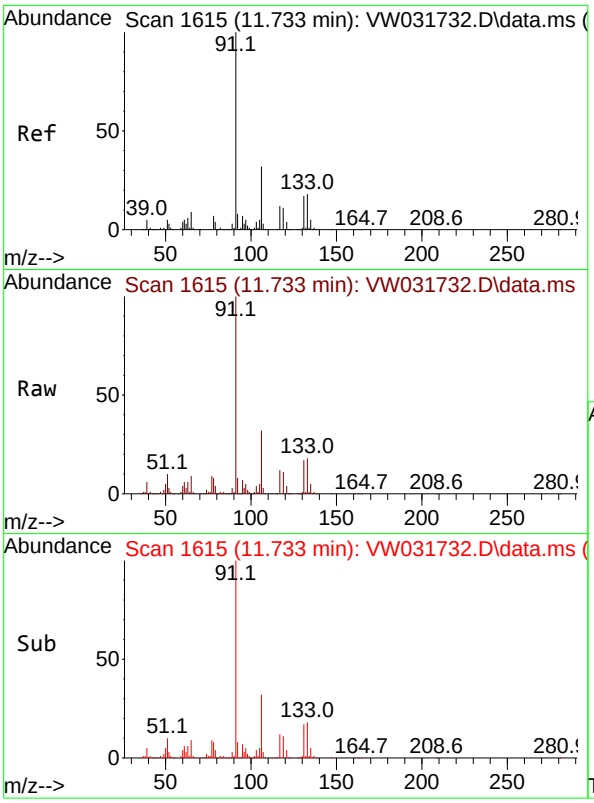


#66
1,1,1,2-Tetrachloroethane
Concen: 49.734 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:131 Resp: 127147

Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.5	145.6
119	65.0	32.5	97.5



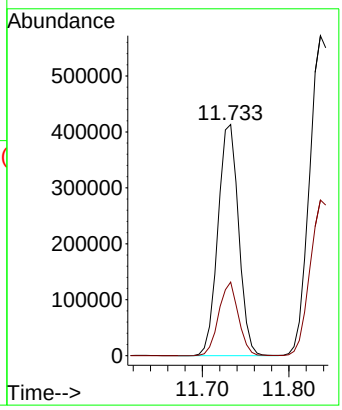


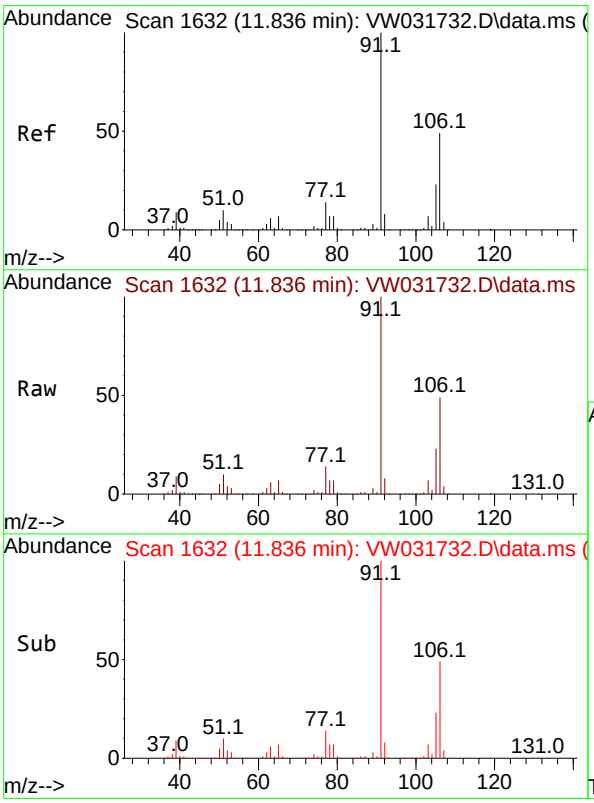
#67
Ethyl Benzene
Concen: 49.266 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 685367

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.2

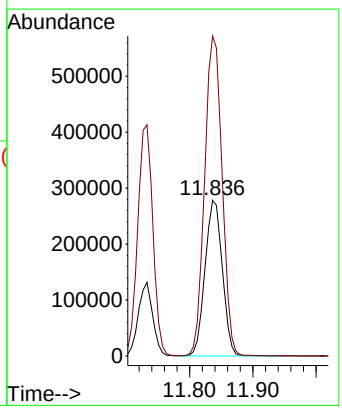


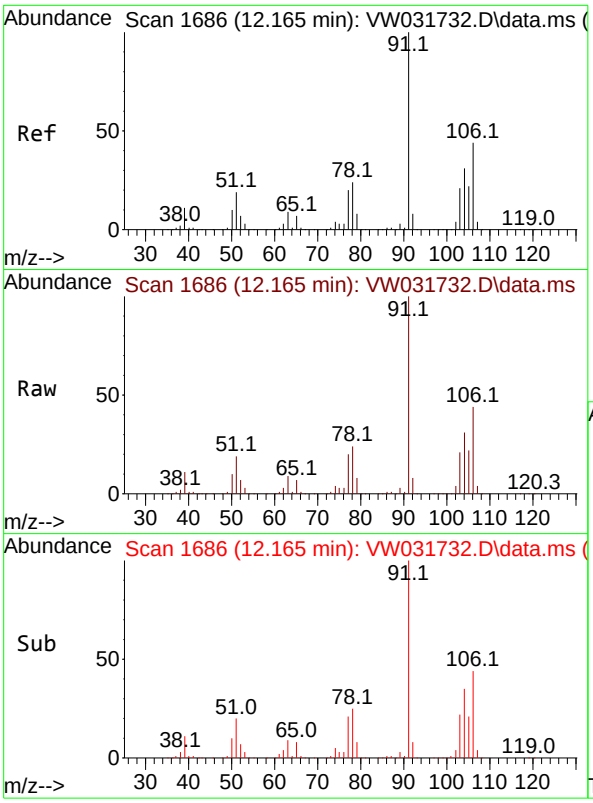


#68
m/p-Xylenes
Concen: 98.914 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:106 Resp: 528971

Ion	Ratio	Lower	Upper
106	100		
91	208.0	166.4	249.6



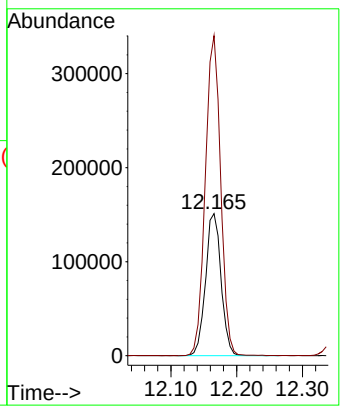


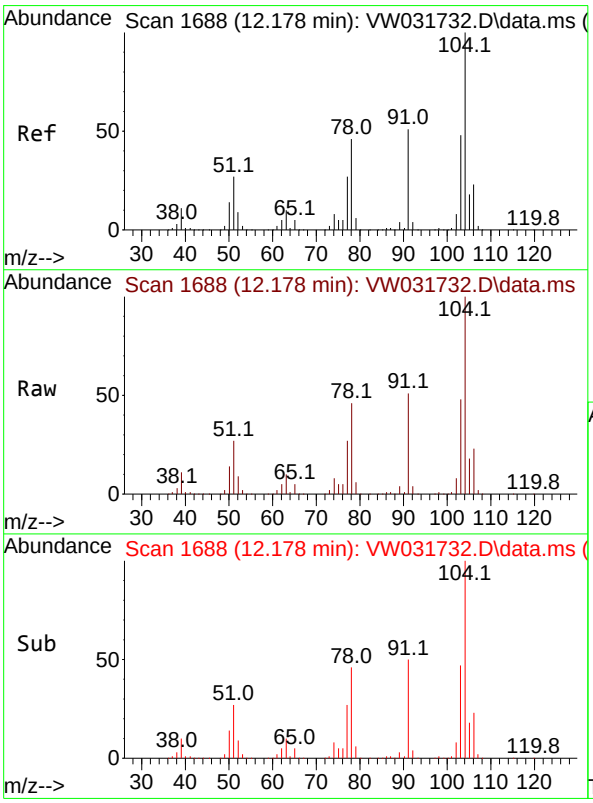
#69
o-Xylene
Concen: 50.054 ug/l
RT: 12.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 247840

Ion	Ratio	Lower	Upper
106	100		
91	222.9	111.5	334.4

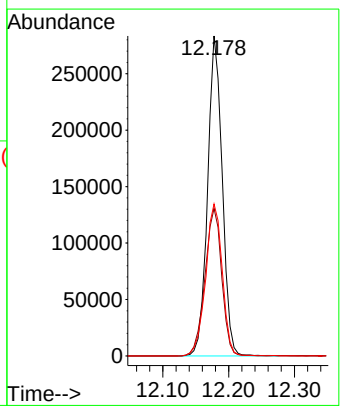


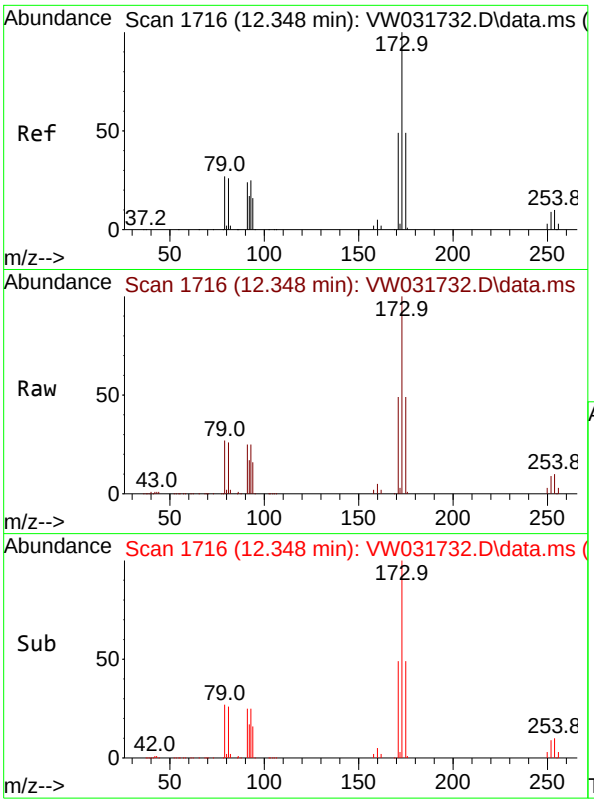


#70
Styrene
Concen: 51.360 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:104 Resp: 439641

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	53.8	43.0	64.6



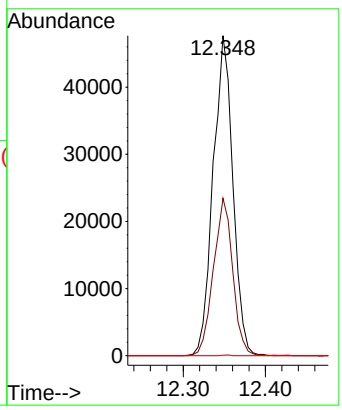


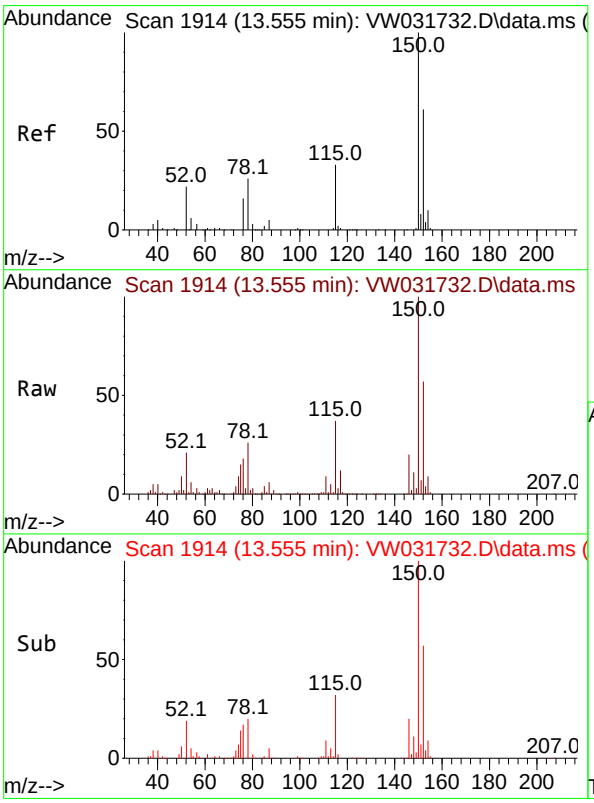
#71
Bromoform
Concen: 52.095 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 79452

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.0	72.0
254	0.1	0.1	0.1

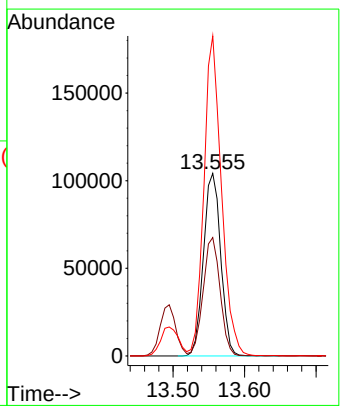


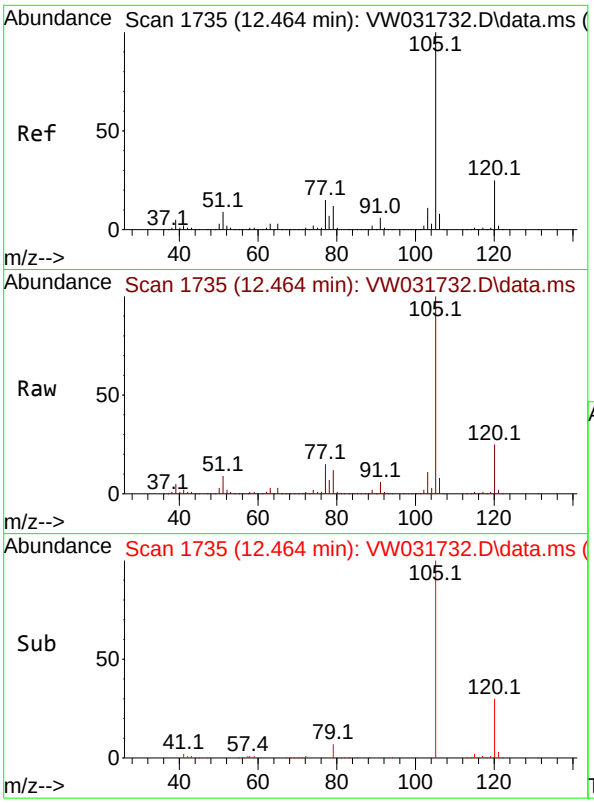


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:152 Resp: 174347

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.9	95.7
150	178.2	0.0	356.4



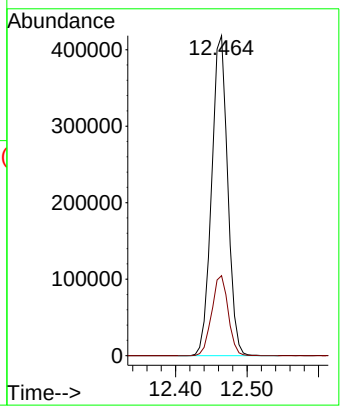


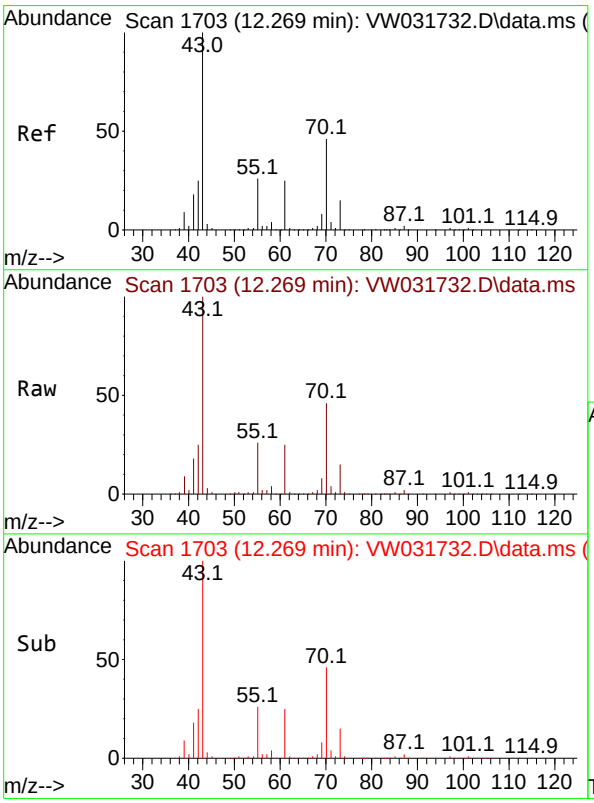
#73
Isopropylbenzene
Concen: 49.059 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 650607

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

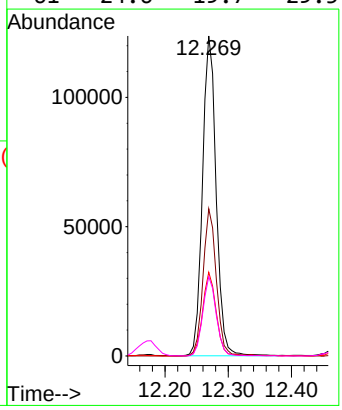


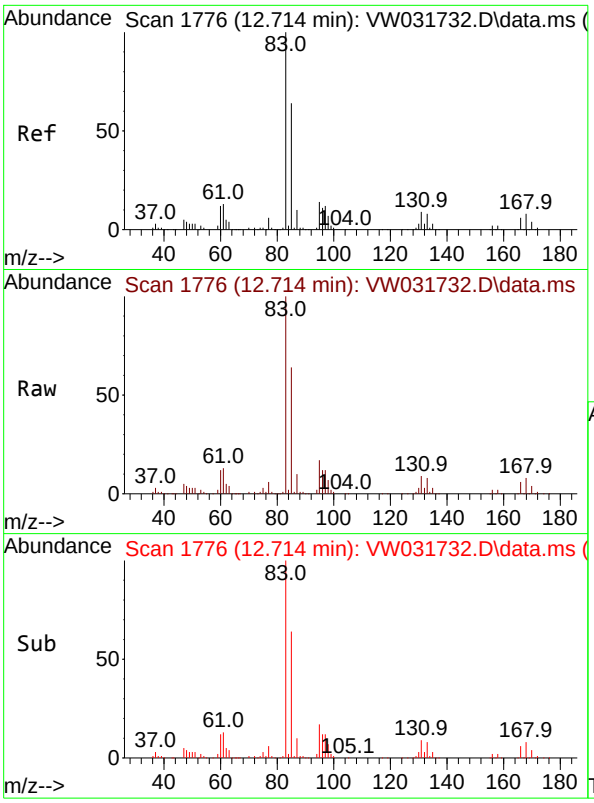


#74
N-amyl acetate
Concen: 52.024 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 43 Resp: 185960

Ion	Ratio	Lower	Upper
43	100		
70	45.0	36.0	54.0
55	26.0	20.8	31.2
61	24.6	19.7	29.5



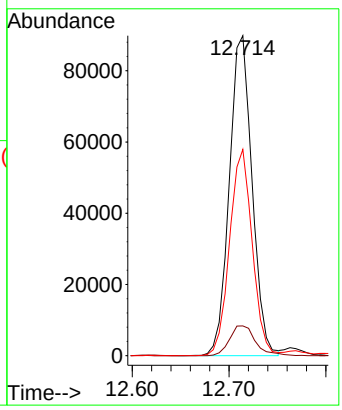


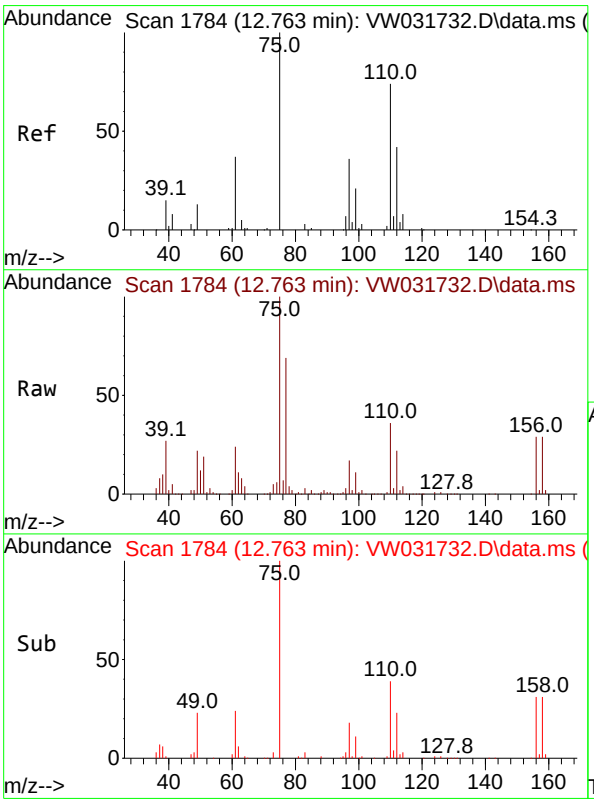
#75
1,1,2,2-Tetrachloroethane
Concen: 49.936 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 147025

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.1	32.0	96.2

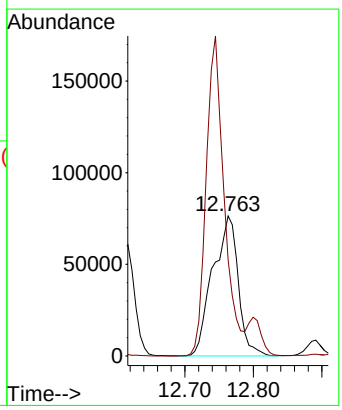


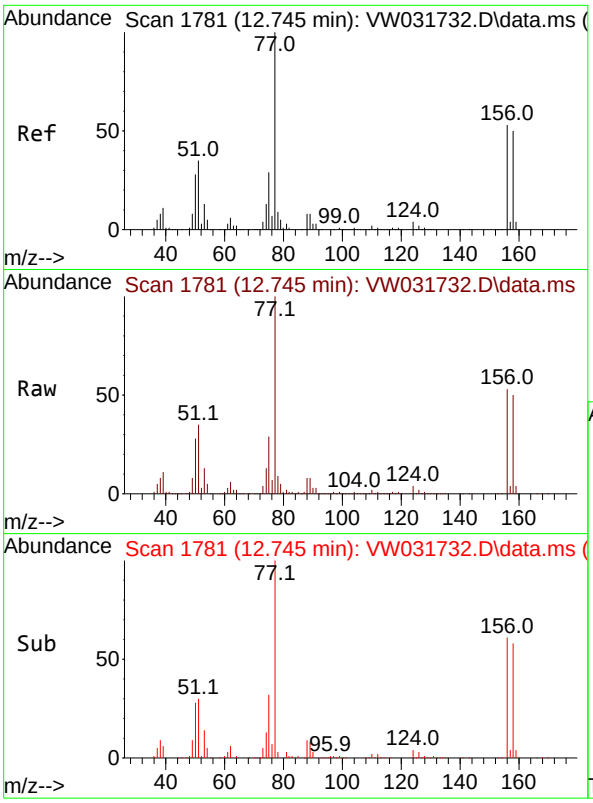


#76
1,2,3-Trichloropropane
Concen: 87.371 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 196851

Ion	Ratio	Lower	Upper
75	100		
77	163.2	141.2	423.6



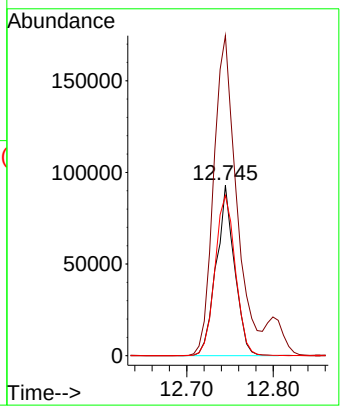


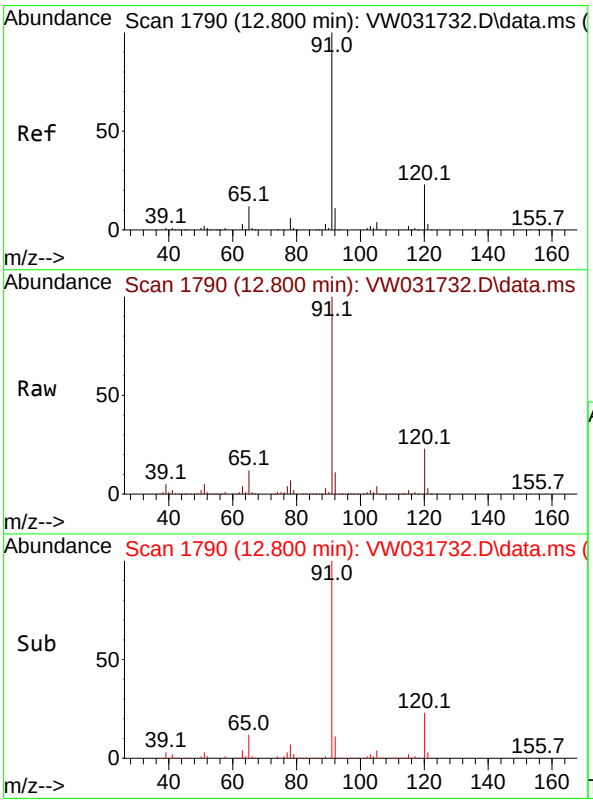
#77
Bromobenzene
Concen: 46.062 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 136242

Ion	Ratio	Lower	Upper
156	100		
77	235.8	117.9	353.7
158	105.2	52.6	157.8

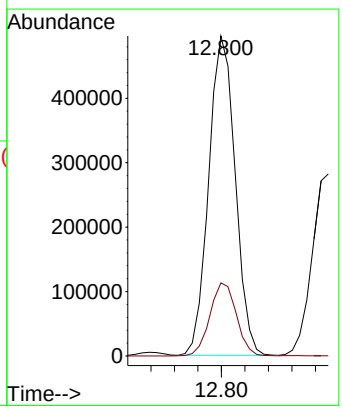


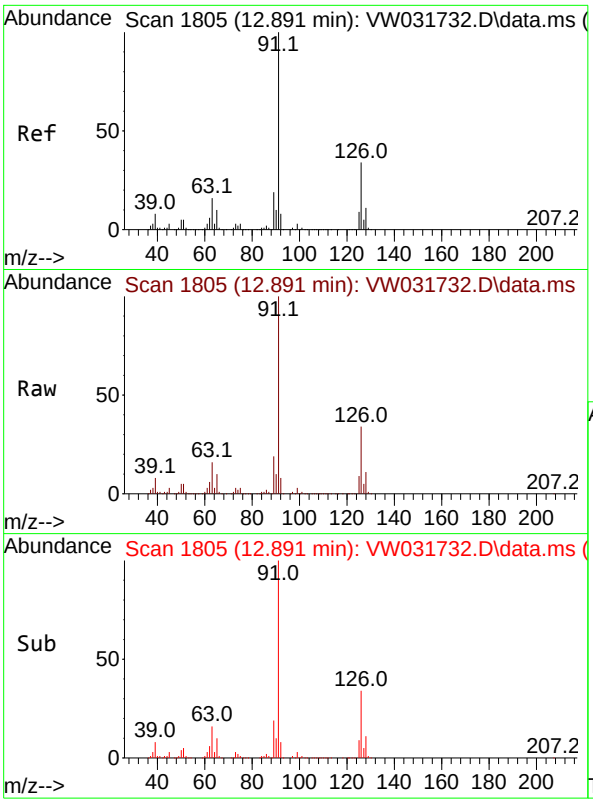


#78
n-propylbenzene
Concen: 48.998 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 778125

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4



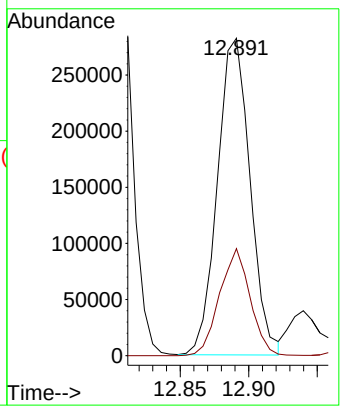


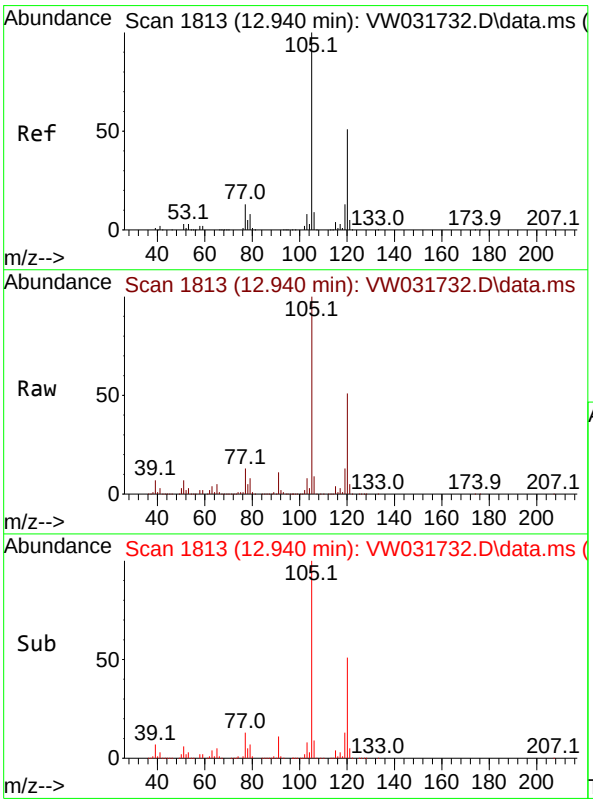
#79
2-Chlorotoluene
Concen: 48.939 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 468001

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.8	47.4

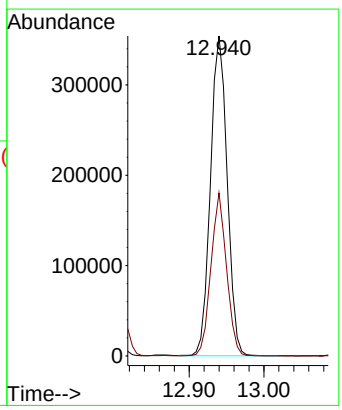


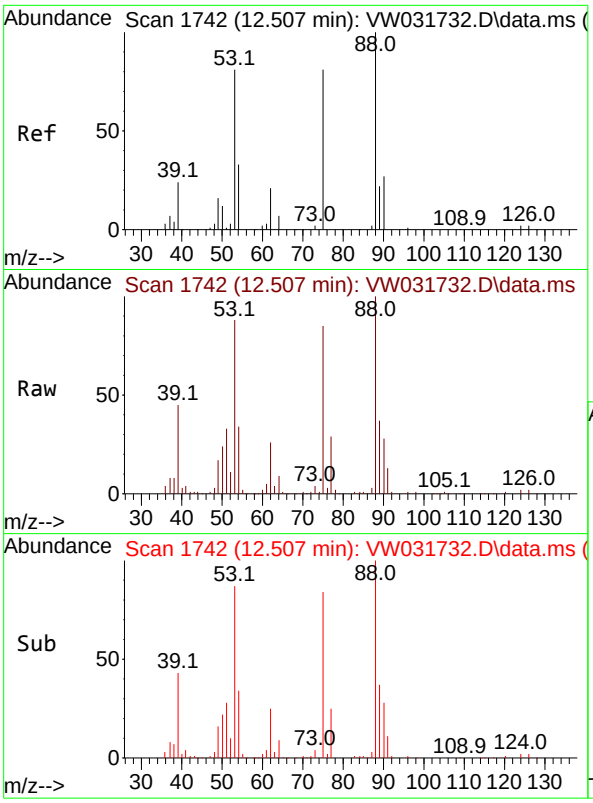


#80
1,3,5-Trimethylbenzene
Concen: 50.102 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 549993

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2



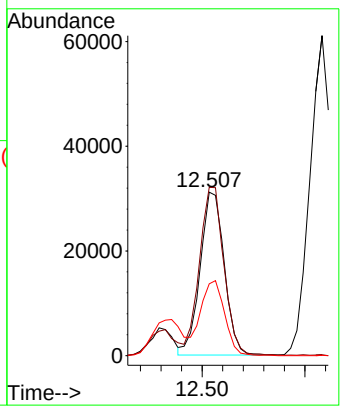


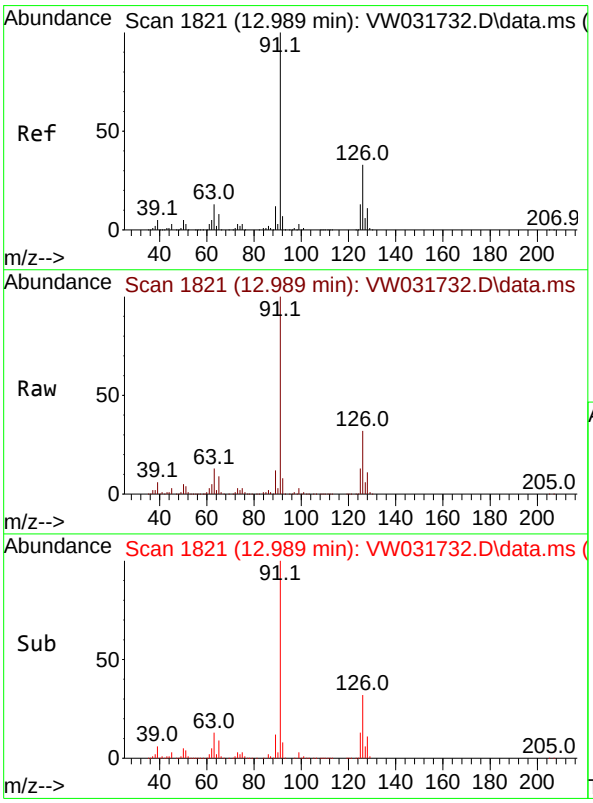
#81
trans-1,4-Dichloro-2-butene
Concen: 52.485 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 50770

Ion	Ratio	Lower	Upper
75	100		
53	104.4	83.5	125.3
89	47.9	38.3	57.5

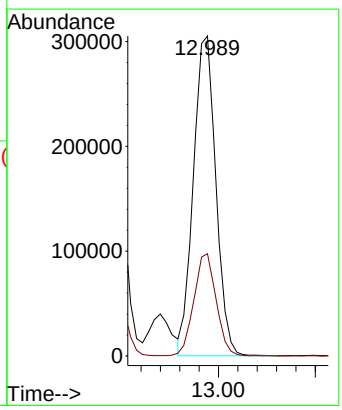


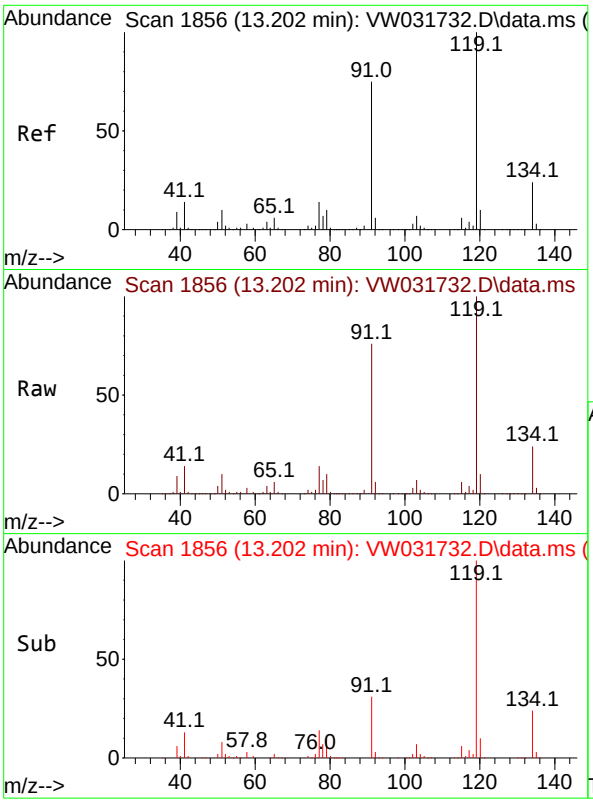


#82
4-Chlorotoluene
Concen: 49.008 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 91 Resp: 492034

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9



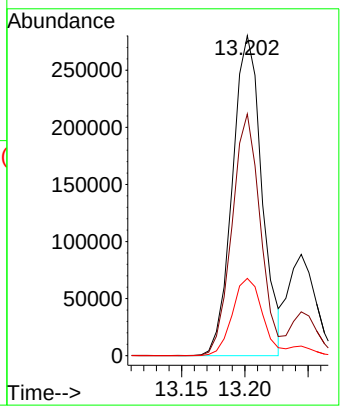


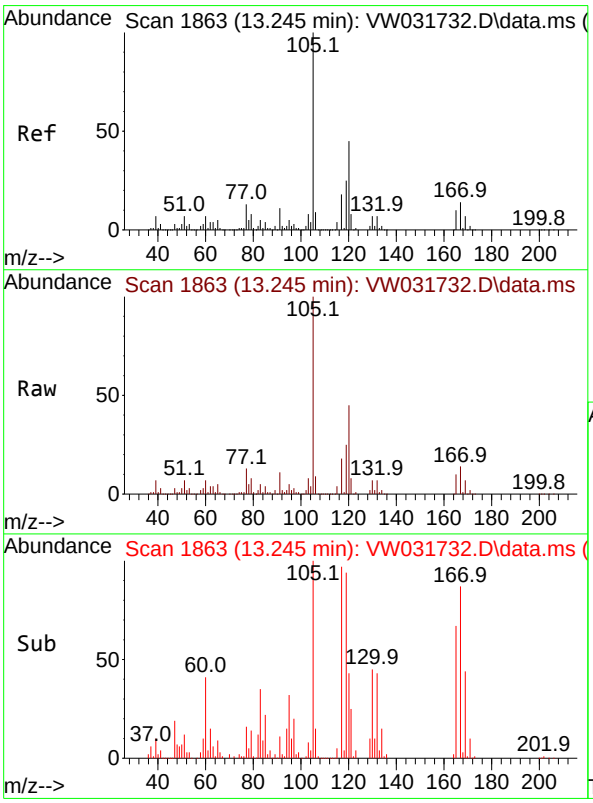
#83
tert-Butylbenzene
Concen: 48.454 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 455621

Ion	Ratio	Lower	Upper
119	100		
91	72.1	36.0	108.1
134	24.8	12.4	37.2

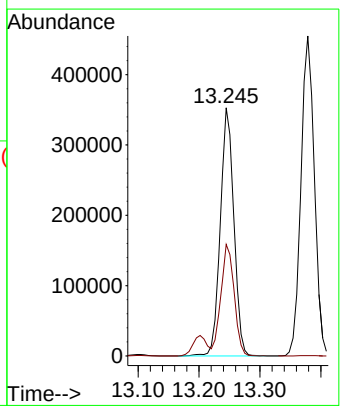


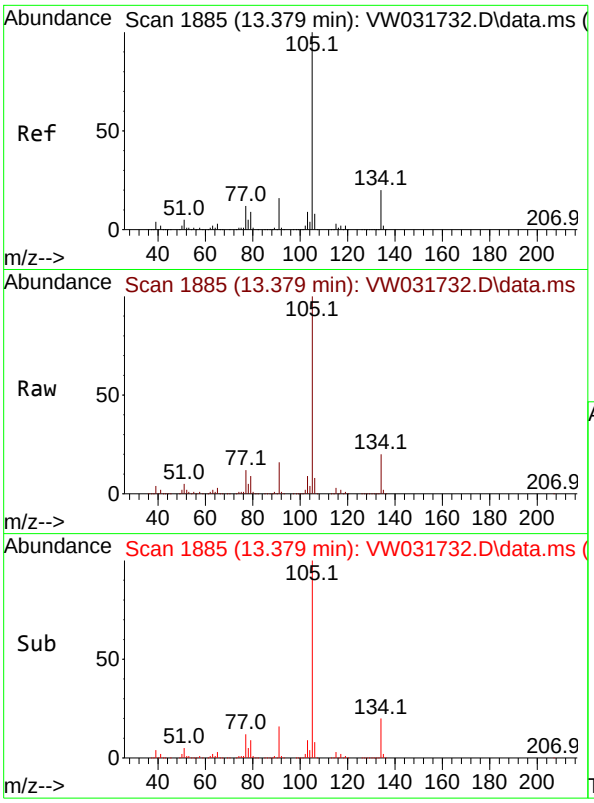


#84
1,2,4-Trimethylbenzene
Concen: 48.943 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:105 Resp: 544366

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



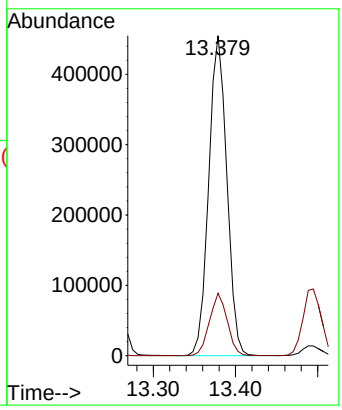


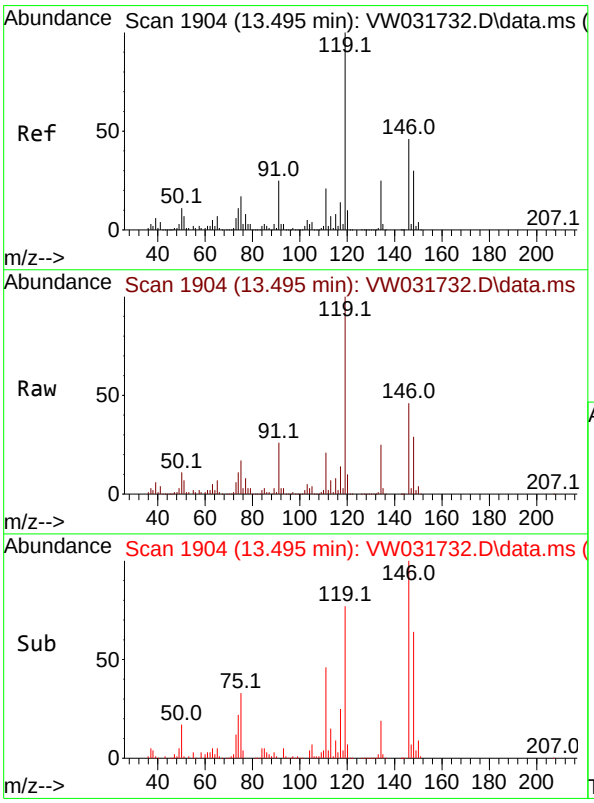
#85
sec-Butylbenzene
Concen: 49.251 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 695122

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

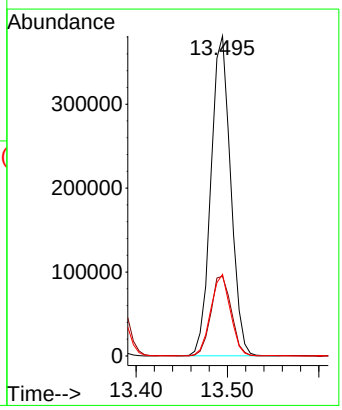


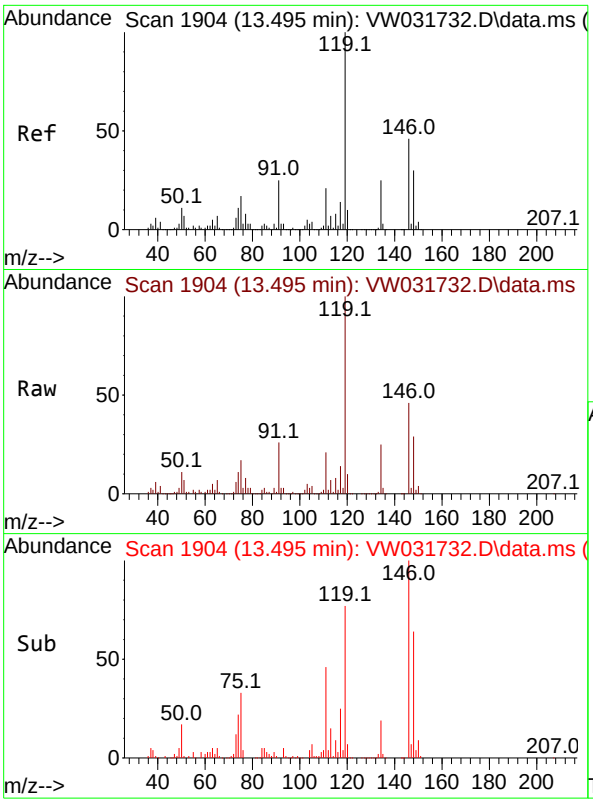


#86
p-Isopropyltoluene
Concen: 49.088 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:119 Resp: 570989

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.7
91	25.3	12.7	38.0



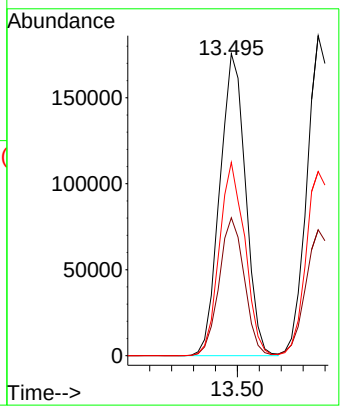


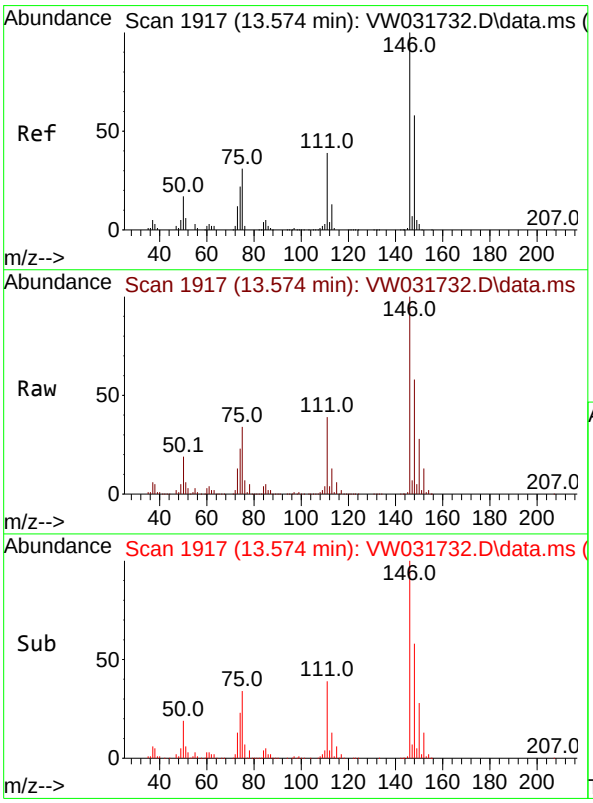
#87
1,3-Dichlorobenzene
Concen: 48.328 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 286670

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	63.6	31.8	95.4

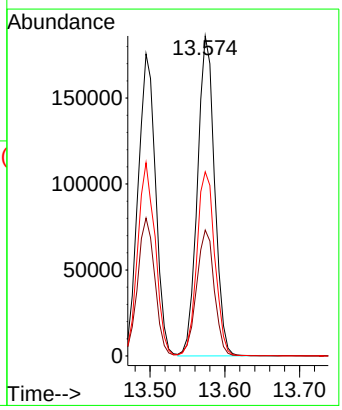


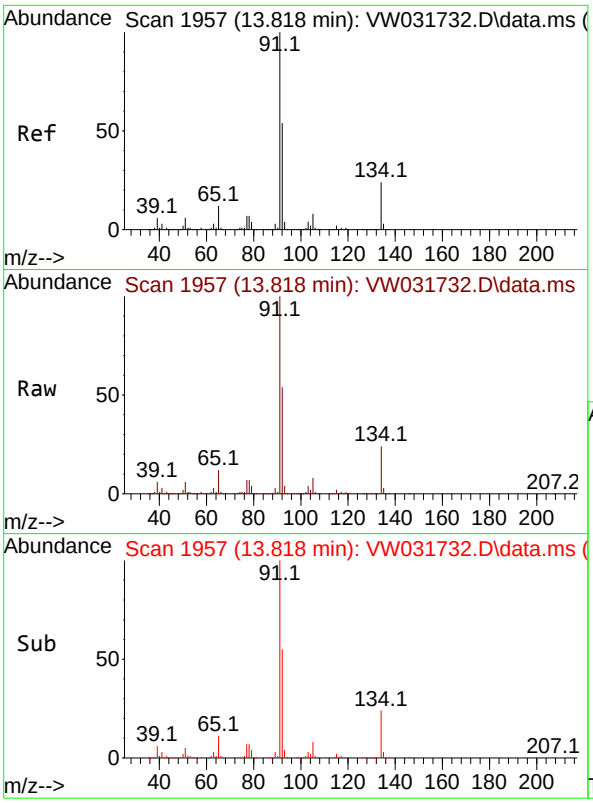


#88
1,4-Dichlorobenzene
Concen: 48.863 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:146 Resp: 296666

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	60.4	30.2	90.6



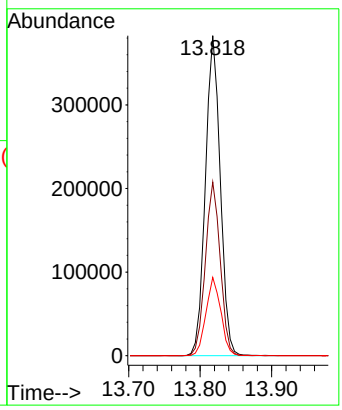


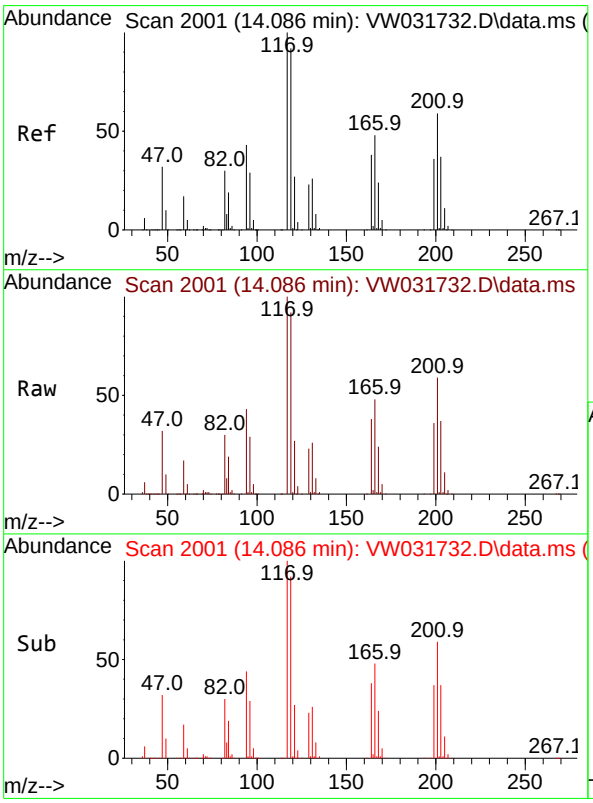
#89
n-Butylbenzene
Concen: 49.002 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 553799

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	24.4	12.2	36.6

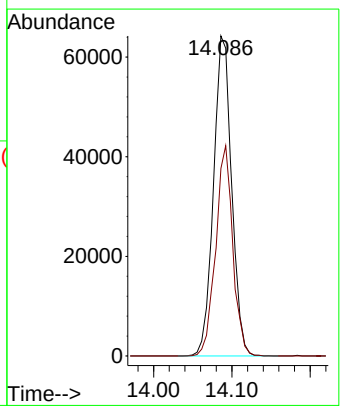


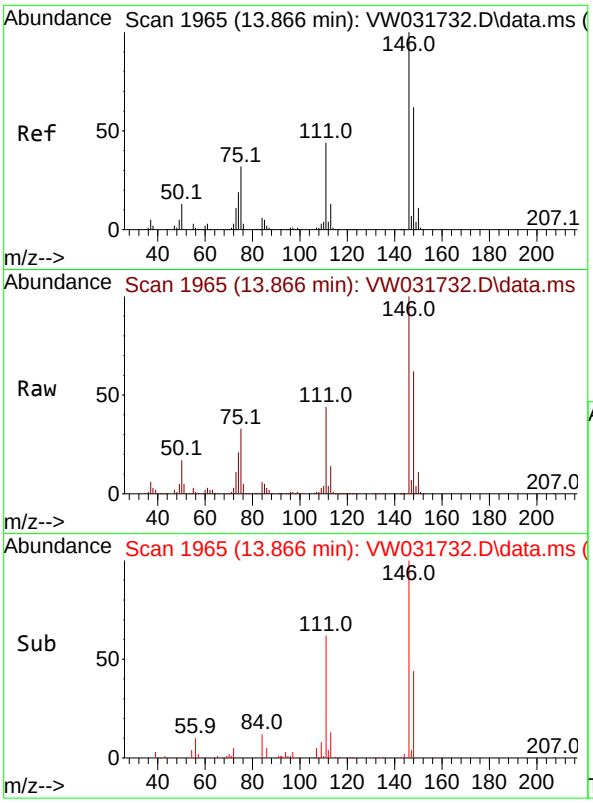


#90
Hexachloroethane
Concen: 49.175 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:117 Resp: 103194

Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.1	93.3



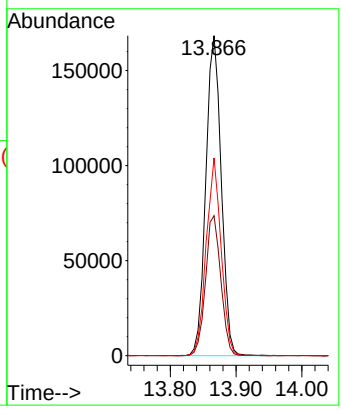


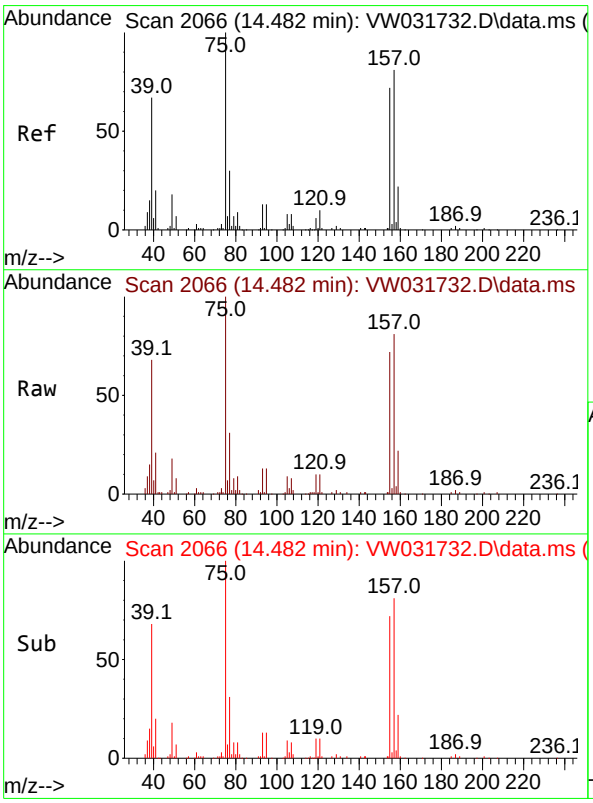
#91
1,2-Dichlorobenzene
Concen: 50.650 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 274605

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	59.7	29.8	89.5

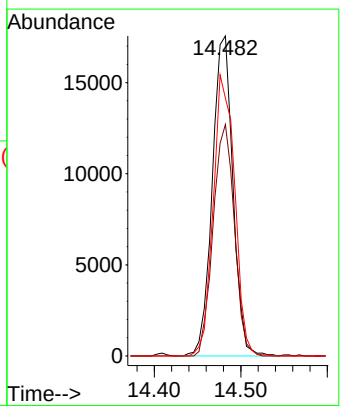


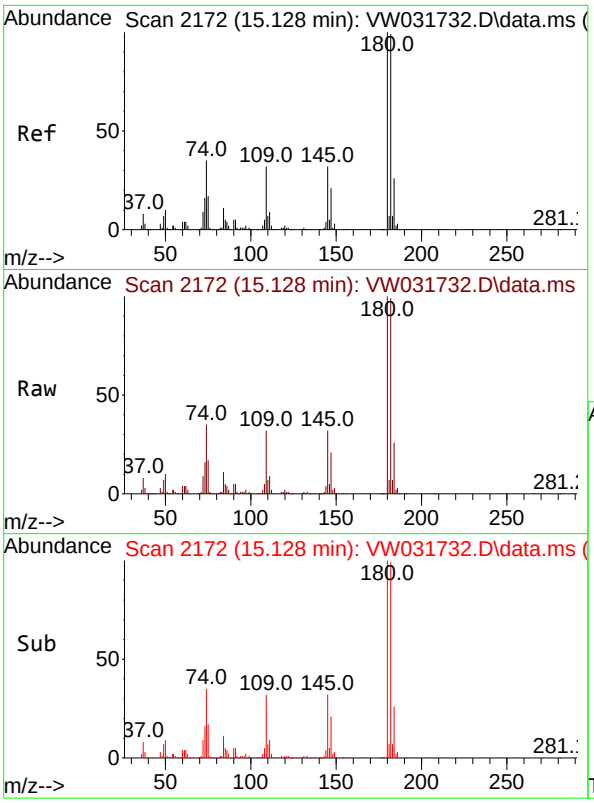


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.476 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion: 75 Resp: 29018

Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.2	111.6
157	91.3	45.6	136.9



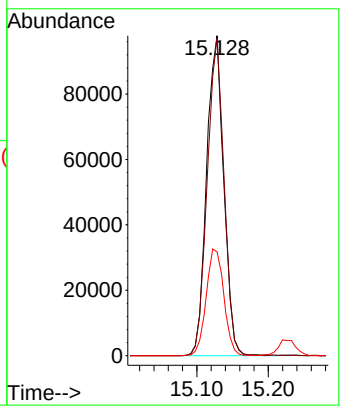


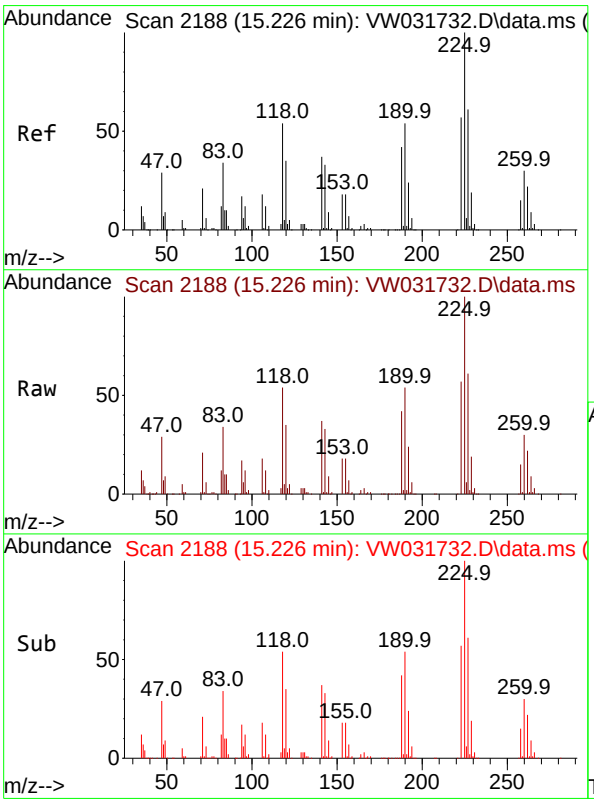
#93
1,2,4-Trichlorobenzene
Concen: 48.652 ug/l
RT: 15.128 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 162674

Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.6	145.9
145	34.5	17.3	51.7

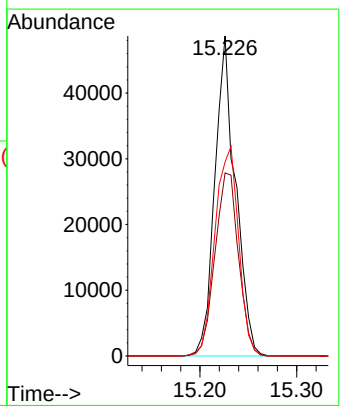


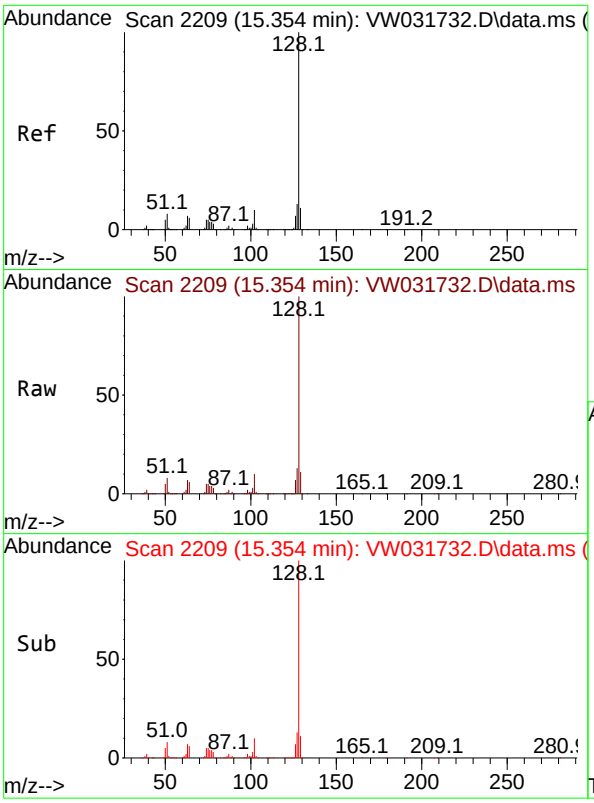


#94
Hexachlorobutadiene
Concen: 44.742 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:225 Resp: 72238

Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.6	97.8
227	74.5	37.3	111.8



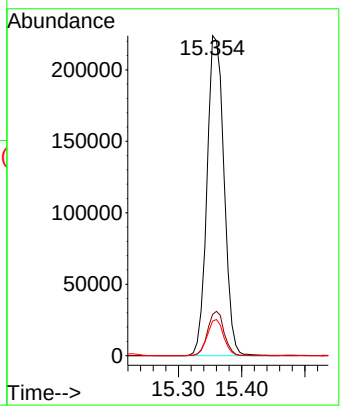


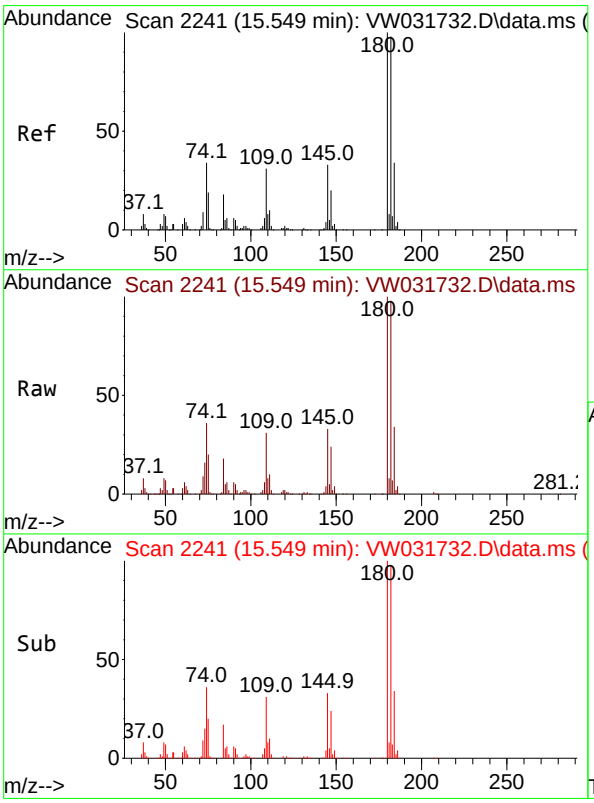
#95
Naphthalene
Concen: 50.938 ug/l
RT: 15.354 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 417556

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.9	8.7	13.1

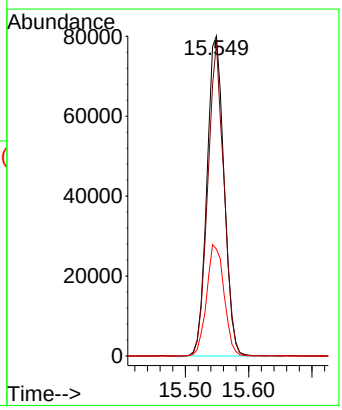




#96
1,2,3-Trichlorobenzene
Concen: 48.893 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031732.D
Acq: 30 Jun 2025 11:21

Tgt Ion:180 Resp: 150212

Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.4	139.1
145	35.5	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 195.560%#			
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 200.240%#			
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 202.380%#			
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 201.360%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l		98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l		99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l		99
44) Trichloroethene	9.099	130	273865	96.676	ug/l		96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l		99
46) Dibromomethane	9.465	93	167767	94.732	ug/l		98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l		99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l		98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l		99
52) Toluene	10.386	92	710254	97.739	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l		97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l		98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l		99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l		99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l		97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l		99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l		94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l		98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l		100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l		98
69) o-Xylene	12.160	106	506083	103.535	ug/l		97
70) Styrene	12.178	104	865542	102.427	ug/l		99
71) Bromoform	12.349	173	154434	102.574	ug/l	#	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l		100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	366166	170.560	ug/l		39
77) Bromobenzene	12.739	156	294310	104.424	ug/l		86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l		99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l		98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l		100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l		96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l		100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l		100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l		97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l		99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l		100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l		89
95) Naphthalene	15.360	128	867343	111.042	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

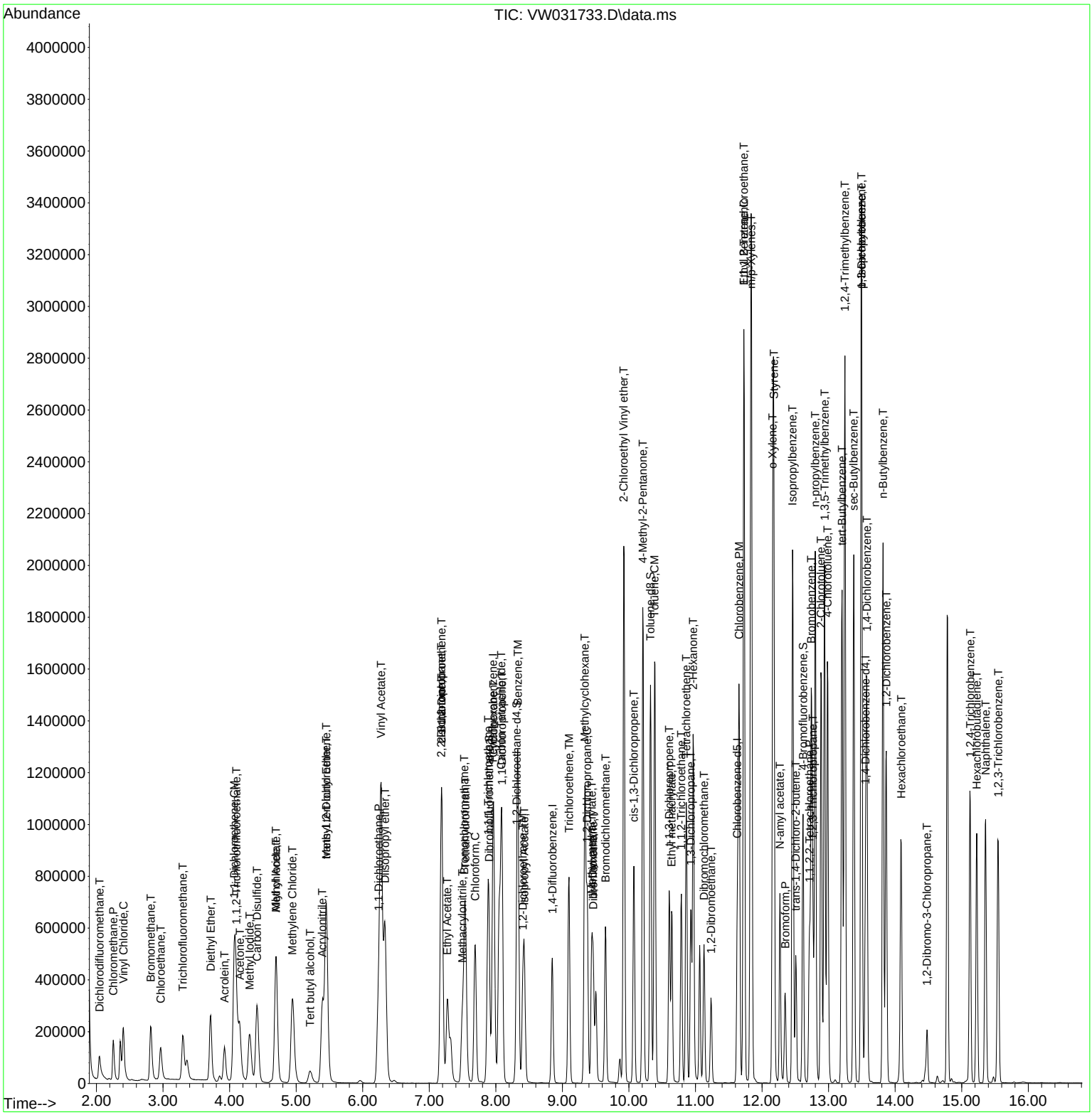
(#) = qualifier out of range (m) = manual integration (+) = signals summed

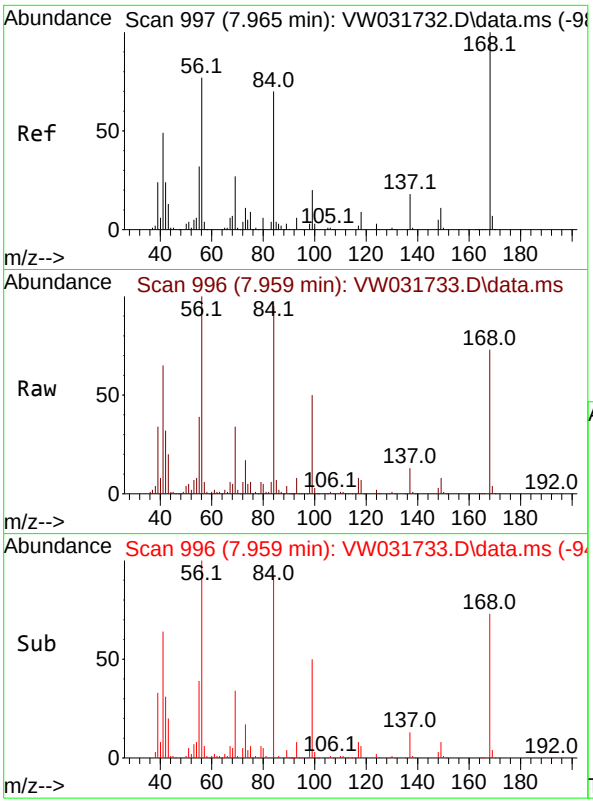
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
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 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



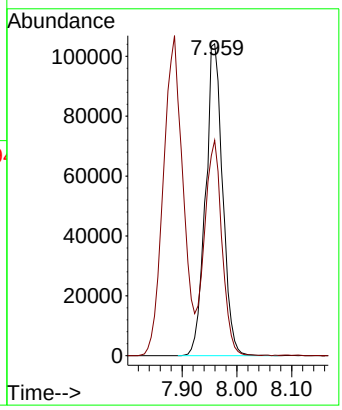


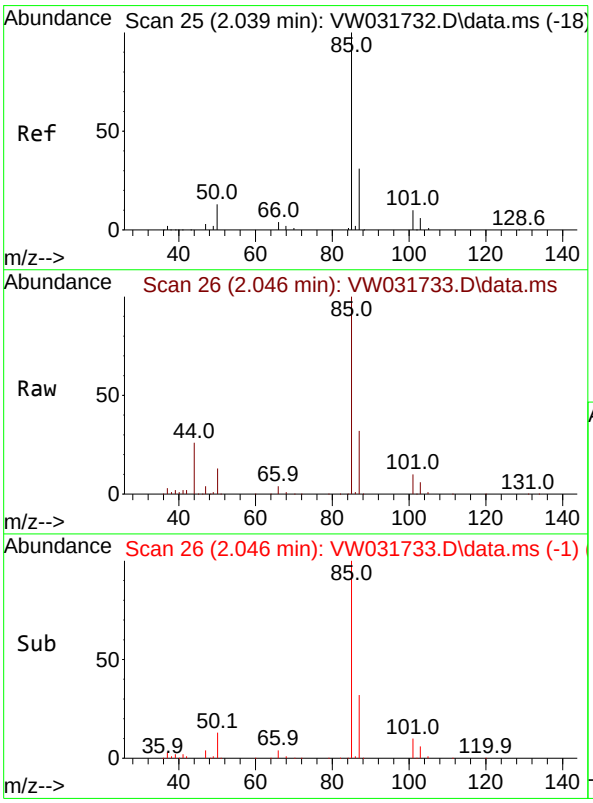
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 224702

Ion	Ratio	Lower	Upper
168	100		
99	69.0	49.4	74.2

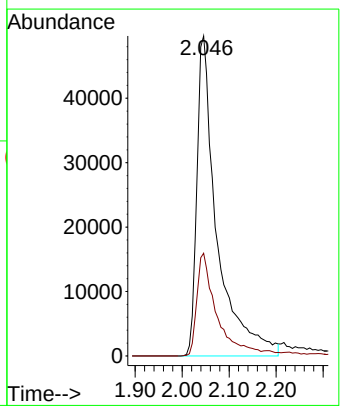


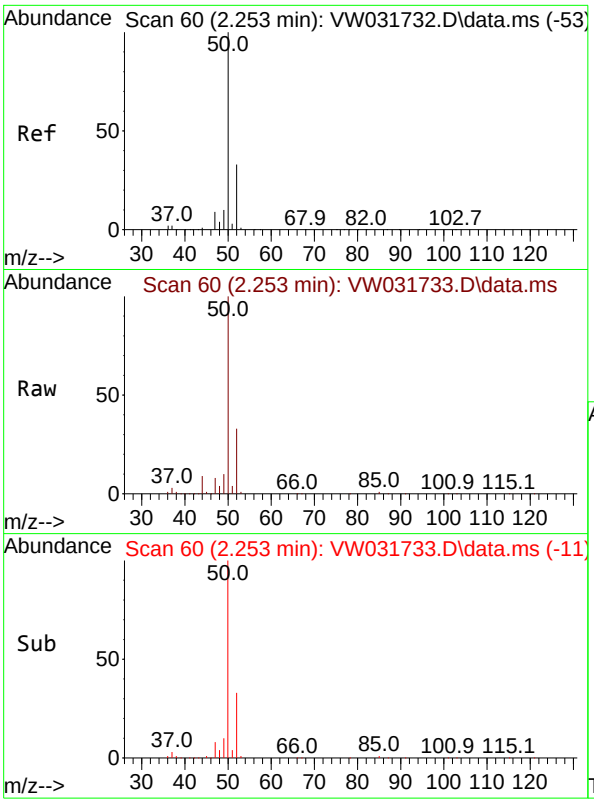


#2
Dichlorodifluoromethane
Concen: 96.542 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 85 Resp: 147738

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.2



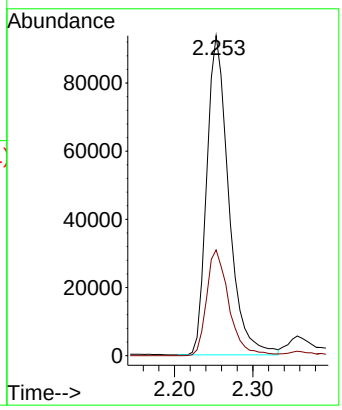


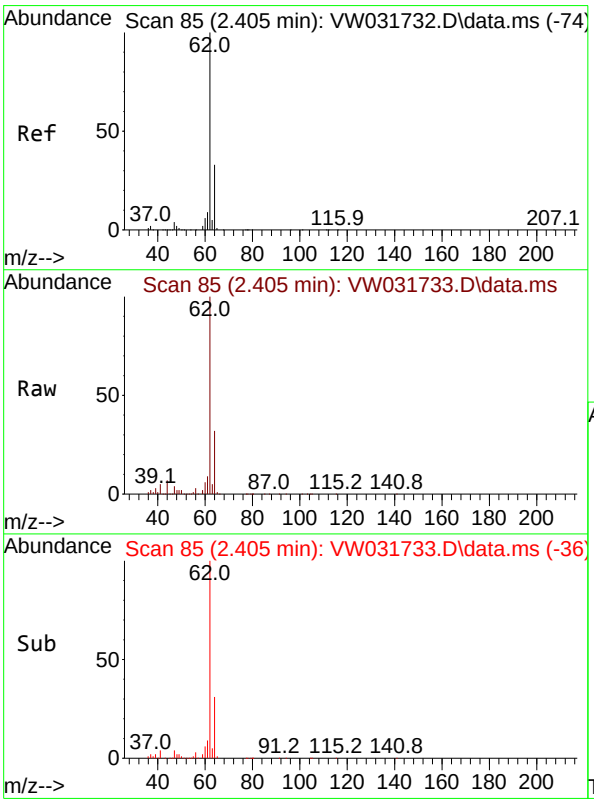
#3
Chloromethane
Concen: 98.692 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 182080

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.2

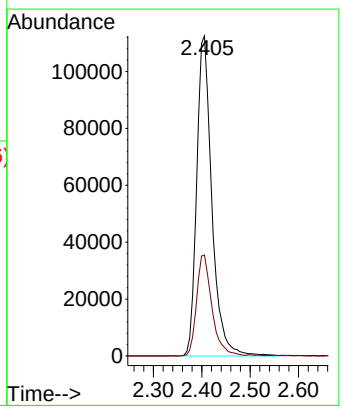


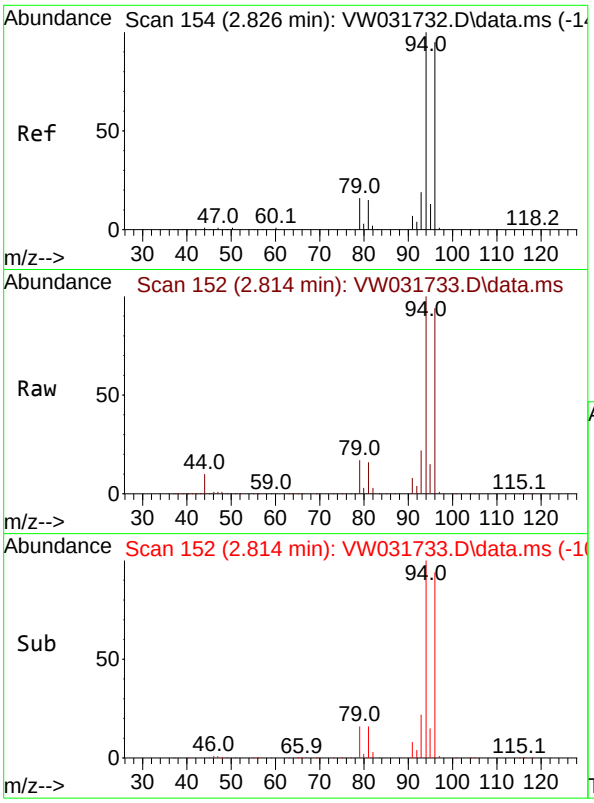


#4
Vinyl Chloride
Concen: 100.935 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 244761

Ion	Ratio	Lower	Upper
62	100		
64	31.5	26.8	40.2



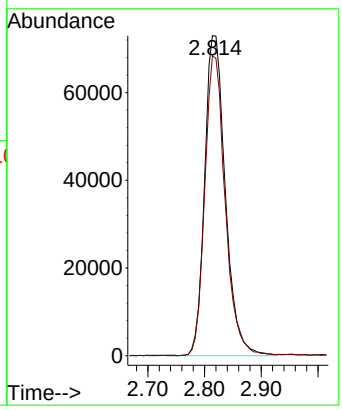


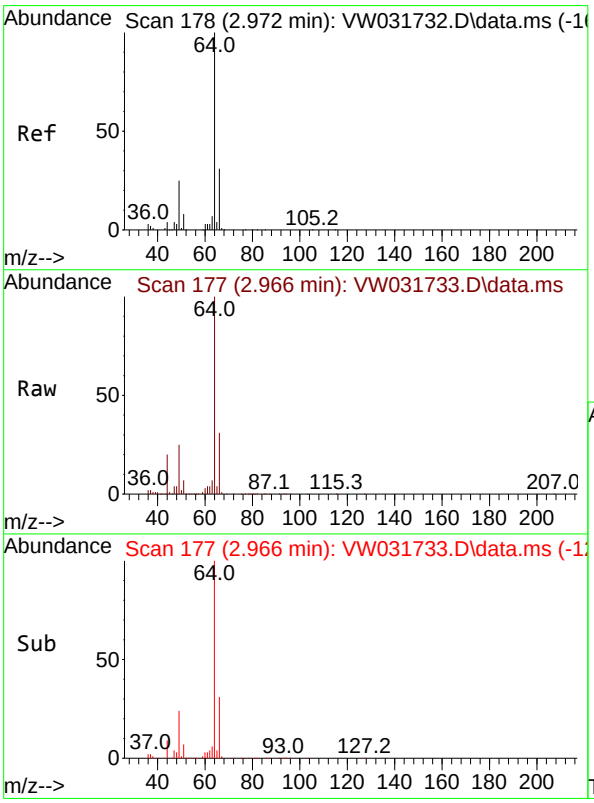
#5
Bromomethane
Concen: 97.666 ug/l
RT: 2.814 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 184987

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.6	113.4

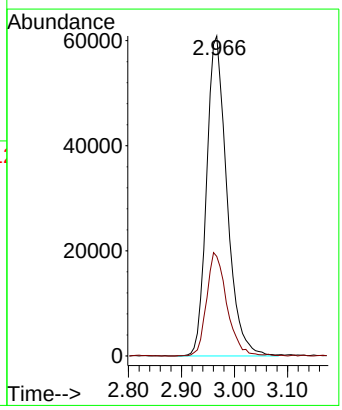


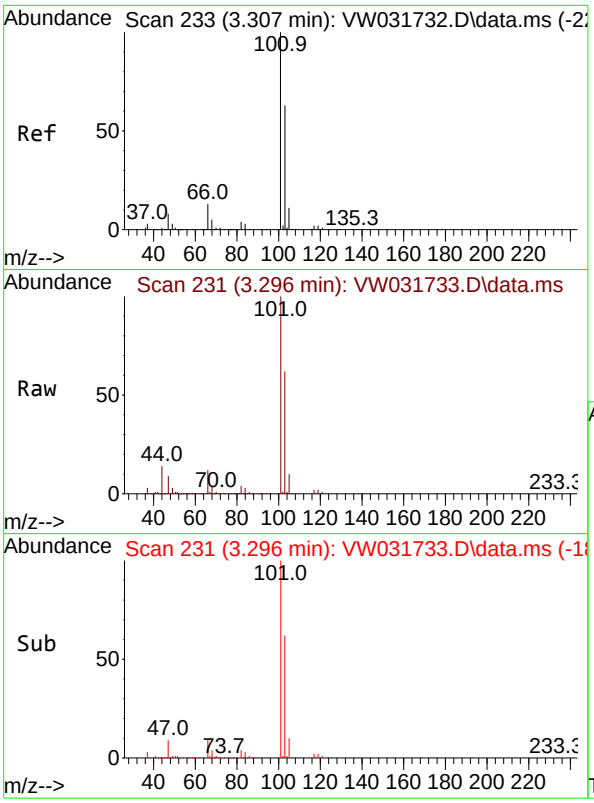


#6
Chloroethane
Concen: 98.201 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 64 Resp: 161756

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.5	36.7



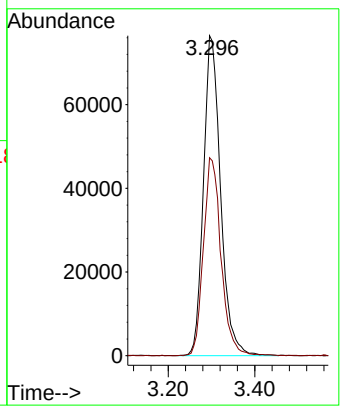


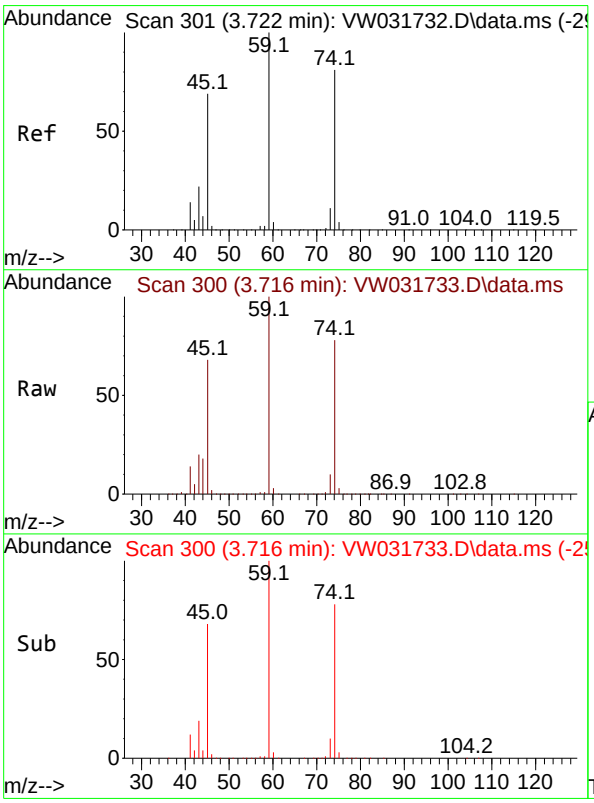
#7
Trichlorofluoromethane
Concen: 95.160 ug/l
RT: 3.296 min Scan# 2
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 209568

Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.2	75.4

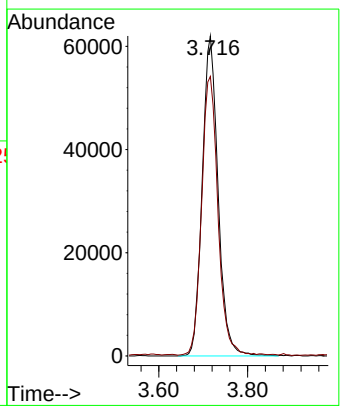


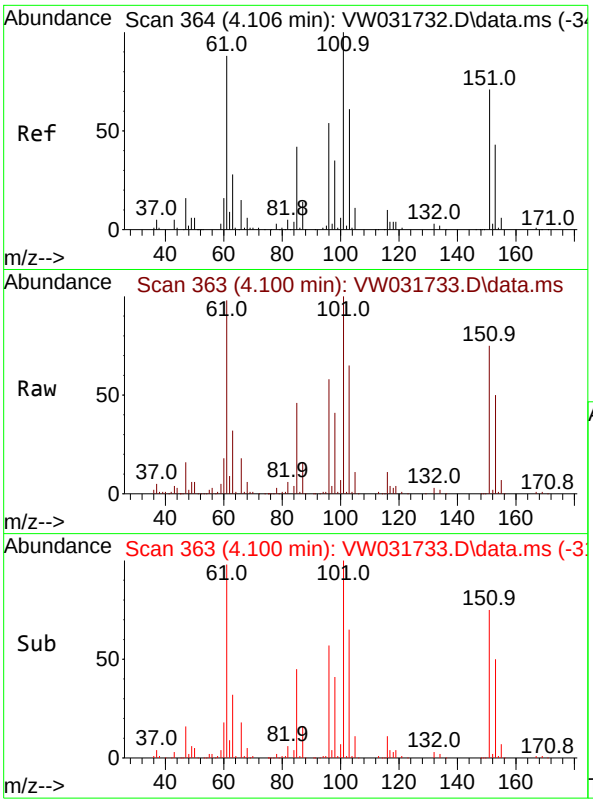


#8
Diethyl Ether
Concen: 92.052 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 74 Resp: 154043

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7



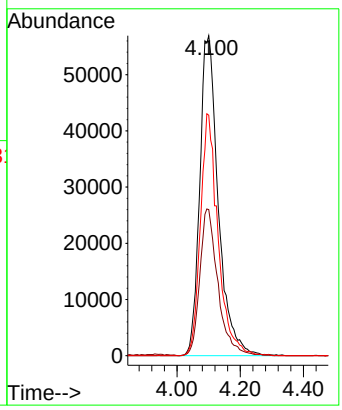


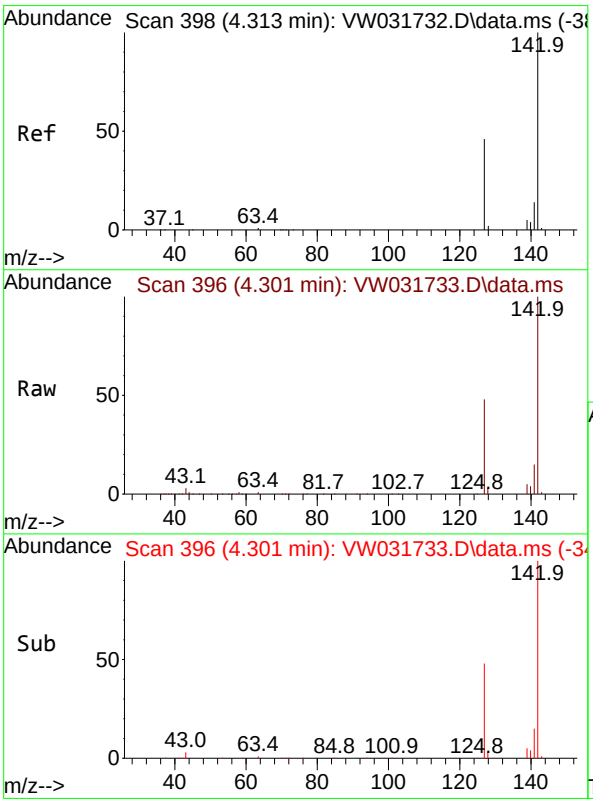
#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.998 ug/l
RT: 4.100 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 232215

Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.6	53.4
151	72.1	56.8	85.2

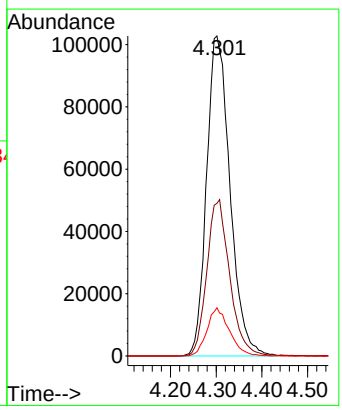


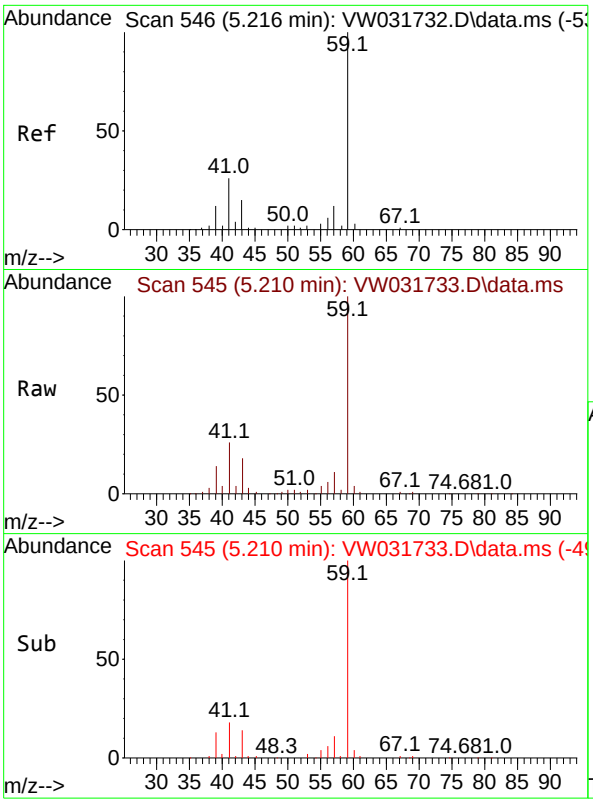


#10
Methyl Iodide
Concen: 97.112 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:142 Resp: 365954

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.9	56.9
141	14.4	11.7	17.5



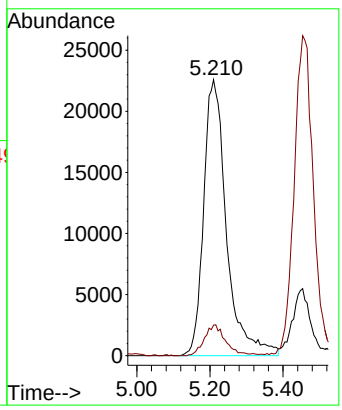


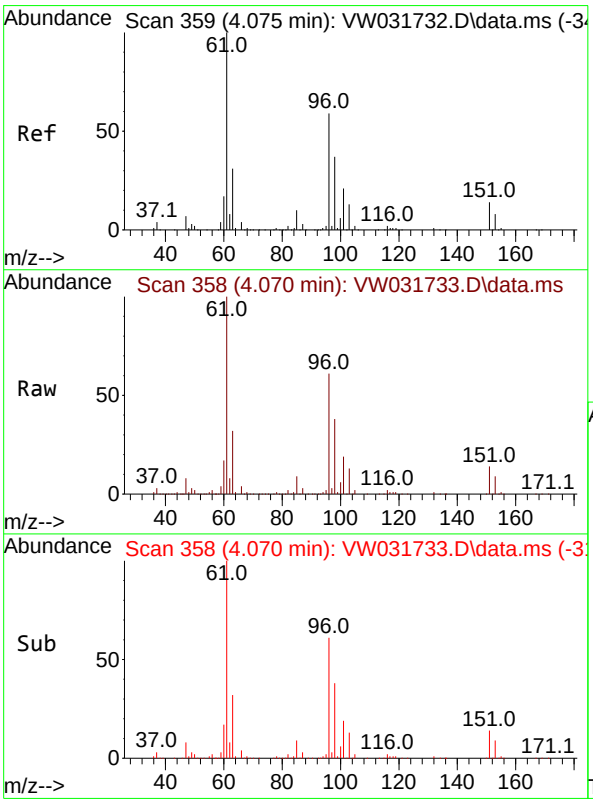
#11
Tert butyl alcohol
Concen: 489.014 ug/l
RT: 5.210 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 97696

Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.5	14.3

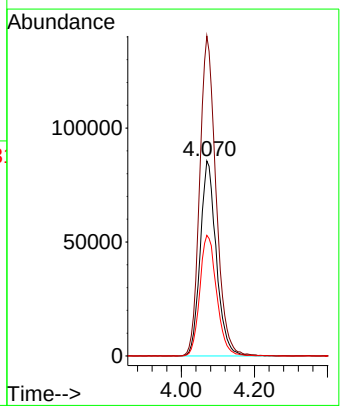


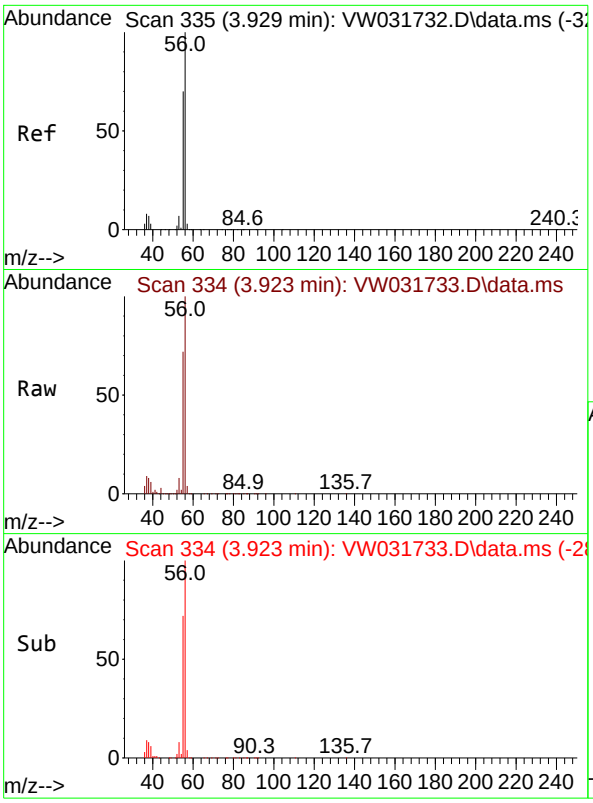


#12
1,1-Dichloroethene
Concen: 97.519 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 96 Resp: 261103

Ion	Ratio	Lower	Upper
96	100		
61	164.1	135.8	203.8
98	61.9	50.4	75.6



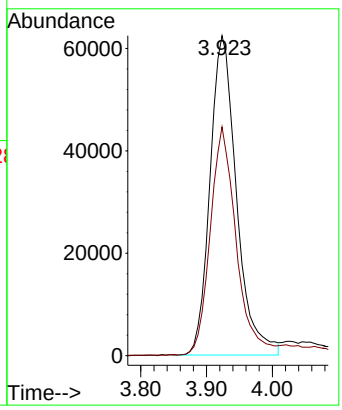


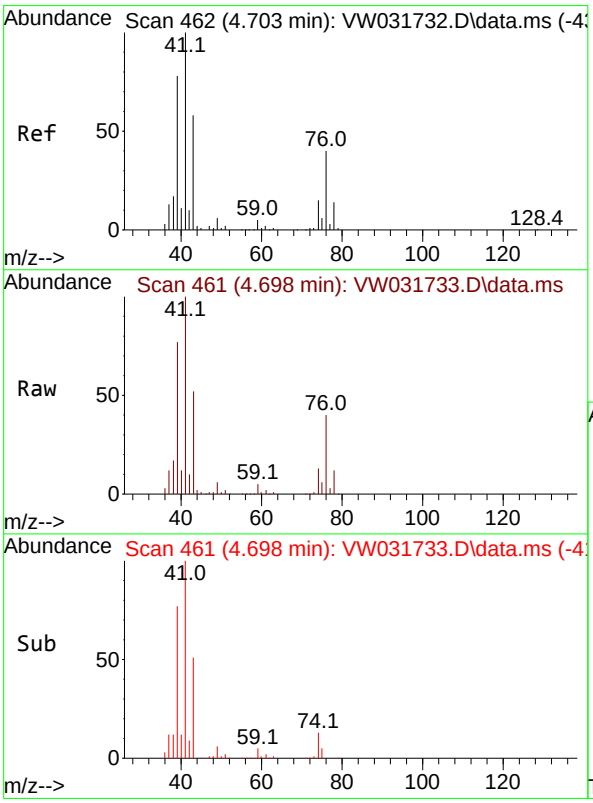
#13
Acrolein
Concen: 487.715 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 175125

Ion	Ratio	Lower	Upper
56	100		
55	69.6	54.0	81.0

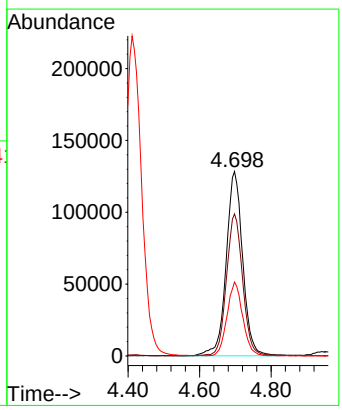


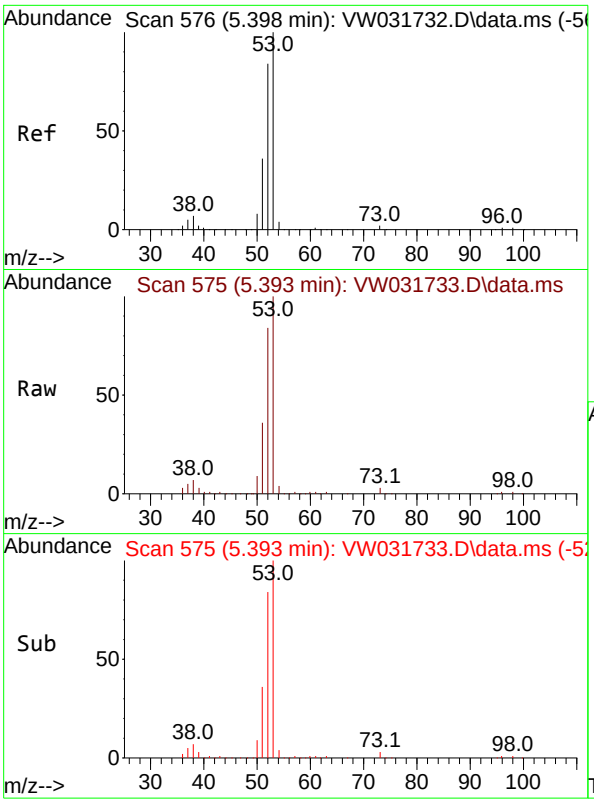


#14
Allyl chloride
Concen: 100.521 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 412947

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.7	91.1
76	37.5	30.3	45.5



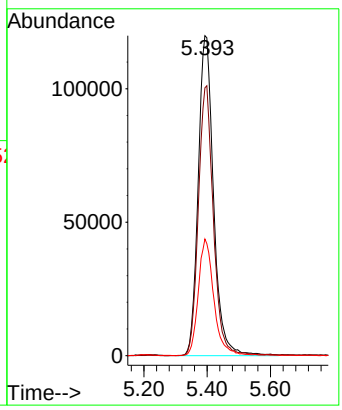


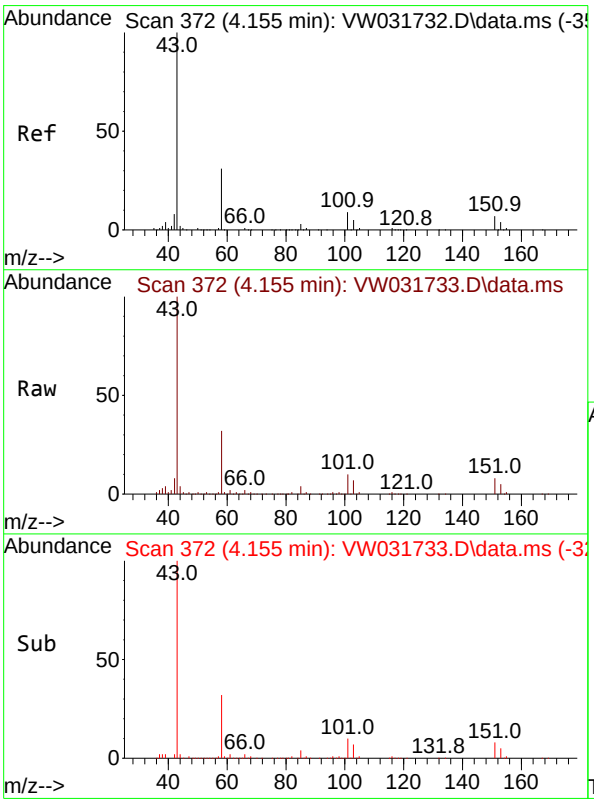
#15
Acrylonitrile
Concen: 493.345 ug/l
RT: 5.393 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 405986

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.0	29.9	44.9

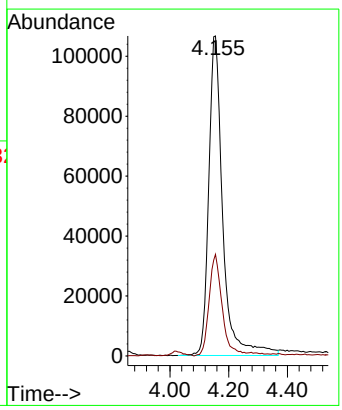


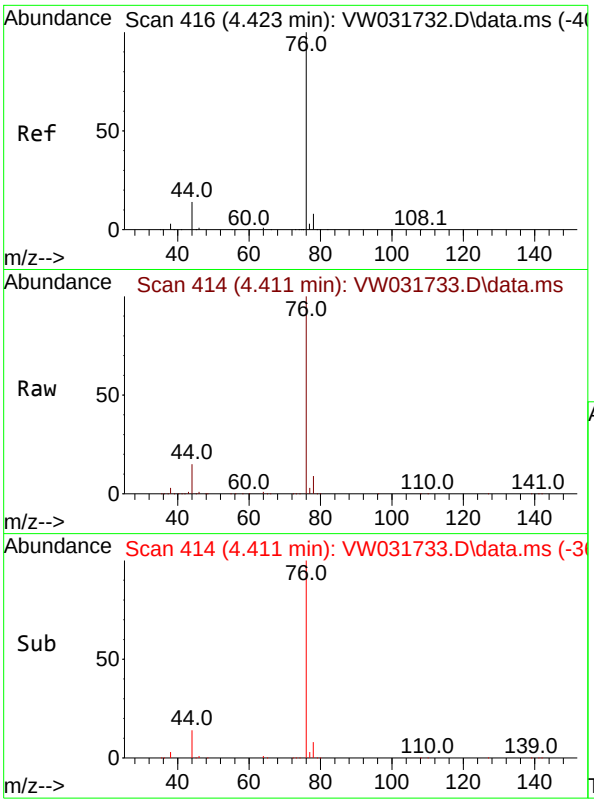


#16
Acetone
Concen: 439.652 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 352601

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2



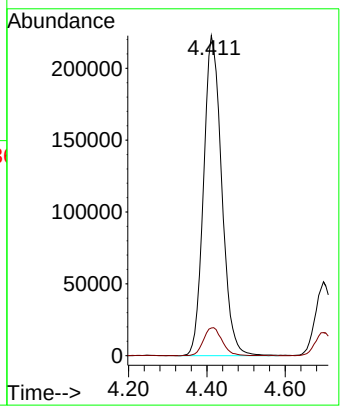


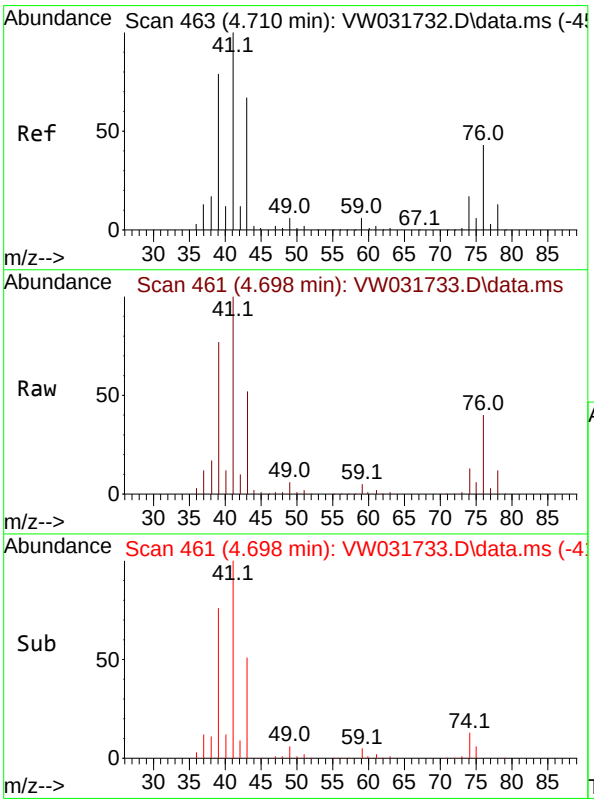
#17
Carbon Disulfide
Concen: 99.742 ug/l
RT: 4.411 min Scan# 4
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 714624

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	10.0

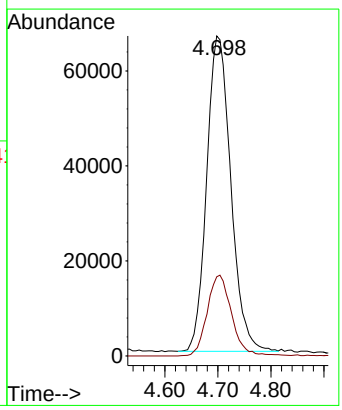


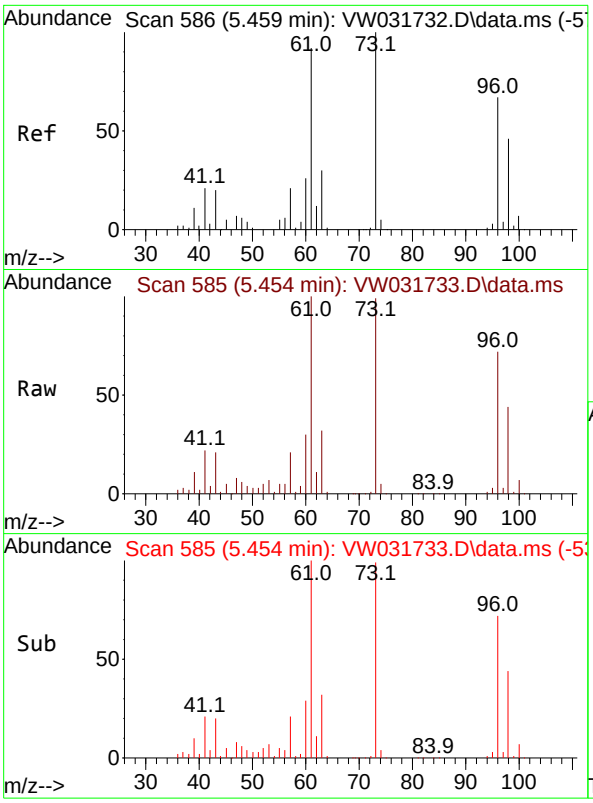


#18
Methyl Acetate
Concen: 92.083 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 209762

Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.6	30.8



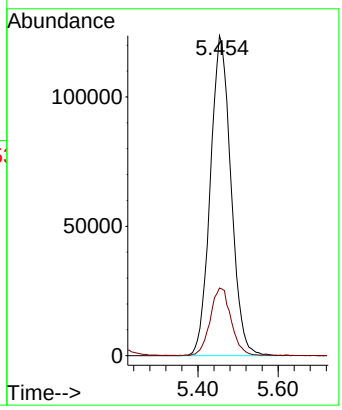


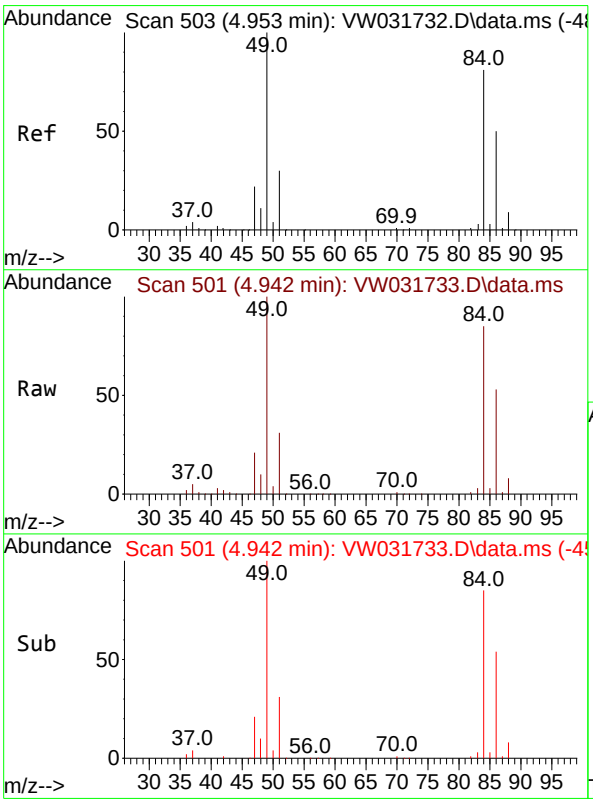
#19
Methyl tert-butyl Ether
Concen: 97.146 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 441477

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.2	25.8

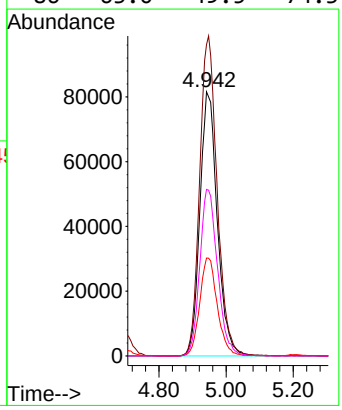


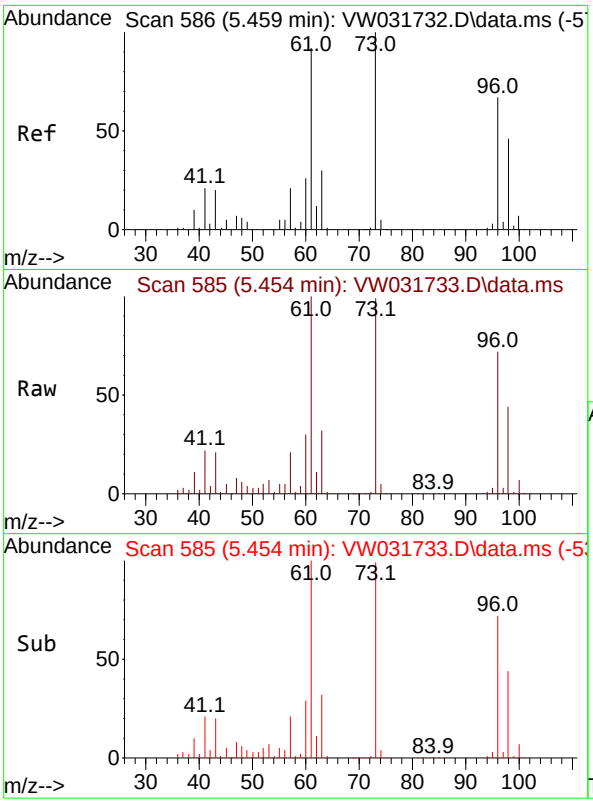


#20
Methylene Chloride
Concen: 99.868 ug/l
RT: 4.942 min Scan# 501
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 84 Resp: 294557

Ion	Ratio	Lower	Upper
84	100		
49	117.8	98.2	147.4
51	37.1	29.8	44.8
86	63.0	49.5	74.3



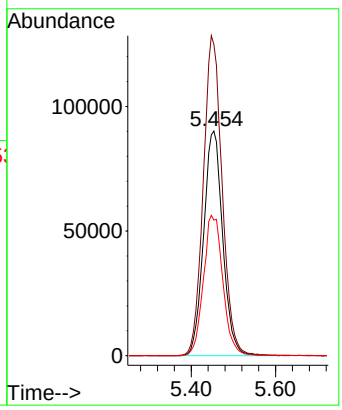


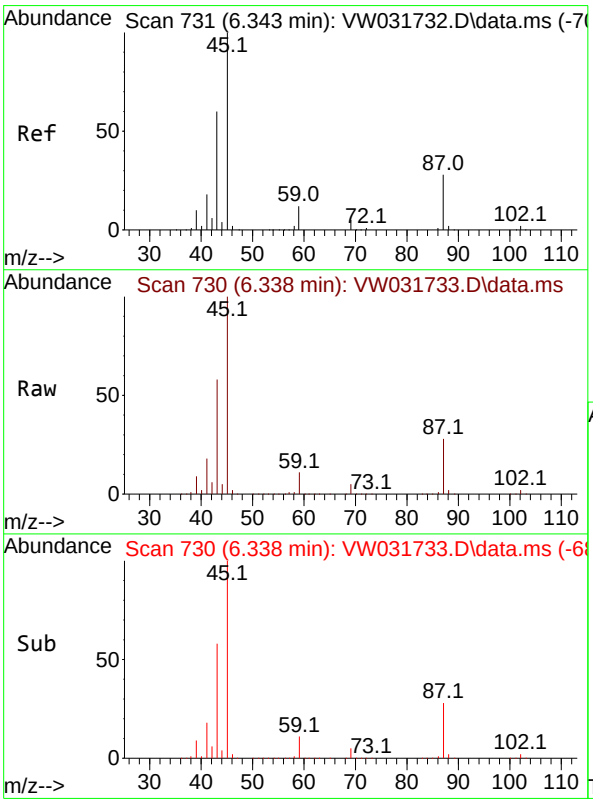
#21
trans-1,2-Dichloroethene
Concen: 99.689 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 283611

Ion	Ratio	Lower	Upper
96	100		
61	138.5	109.8	164.6
98	60.4	54.9	82.3

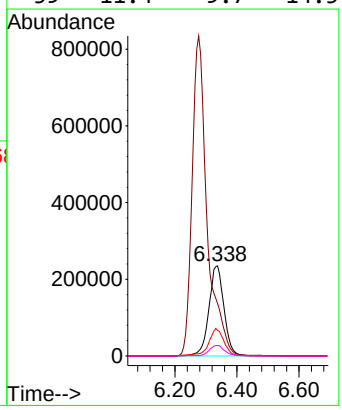


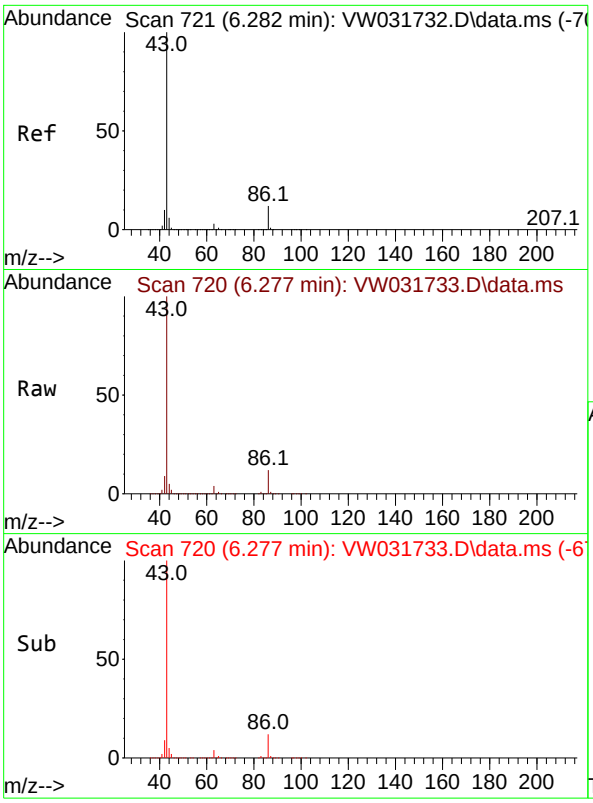


#22
Diisopropyl ether
Concen: 98.968 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 45 Resp: 792929

Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.3	72.5
87	28.5	22.6	34.0
59	11.4	9.7	14.5



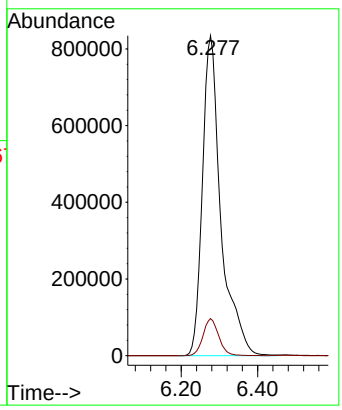


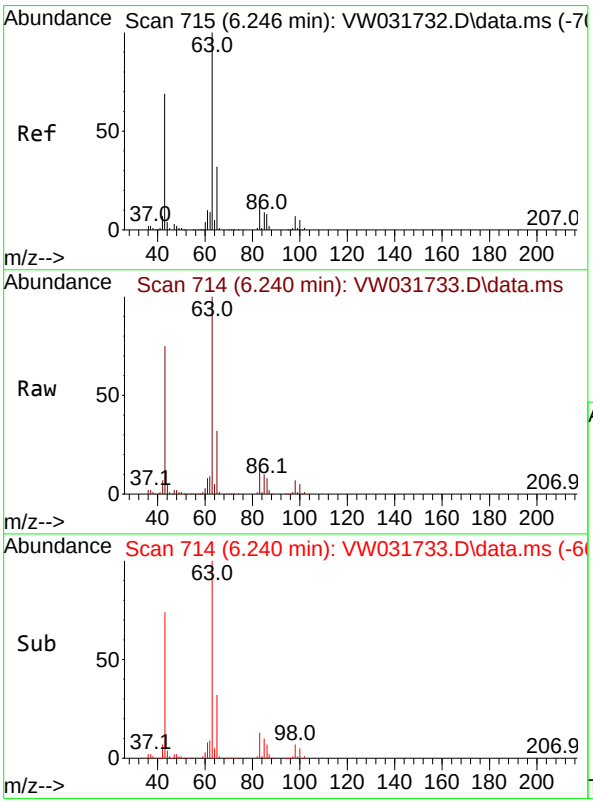
#23
Vinyl Acetate
Concen: 511.492 ug/l
RT: 6.277 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2799136

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8

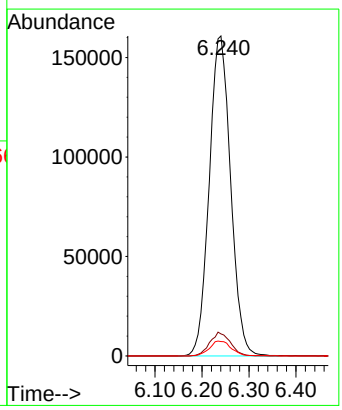


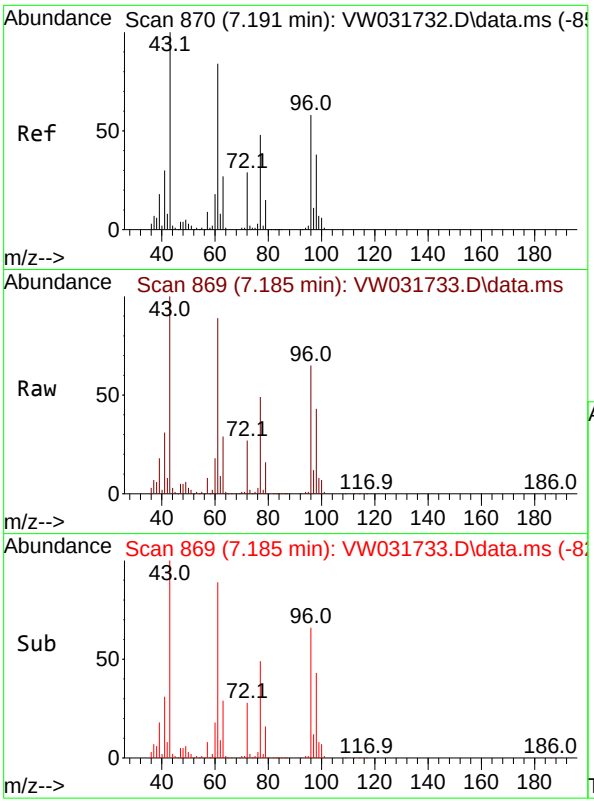


#24
1,1-Dichloroethane
Concen: 97.821 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 508118

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.5	2.5	7.5



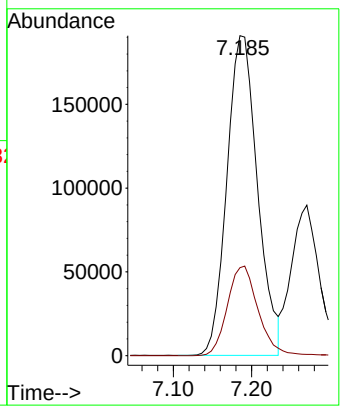


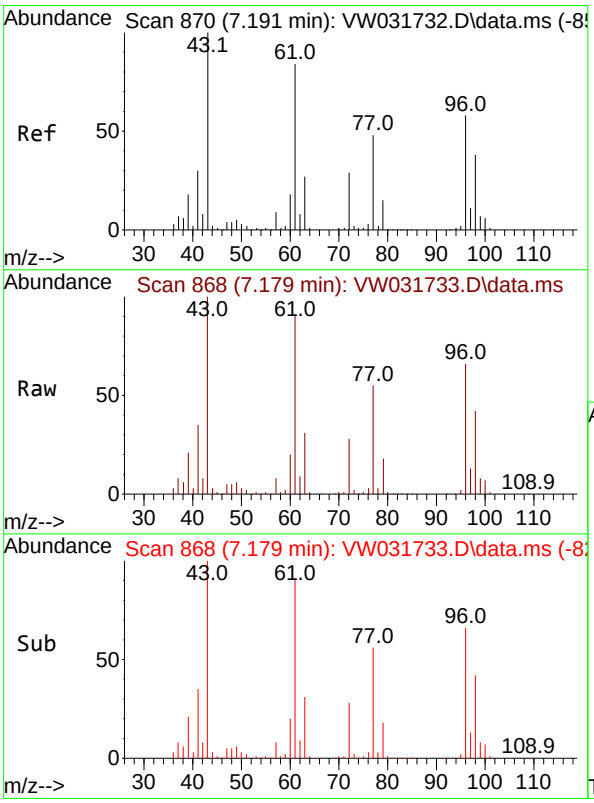
#25
2-Butanone
Concen: 500.581 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 519074

Ion	Ratio	Lower	Upper
43	100		
72	27.5	23.0	34.6

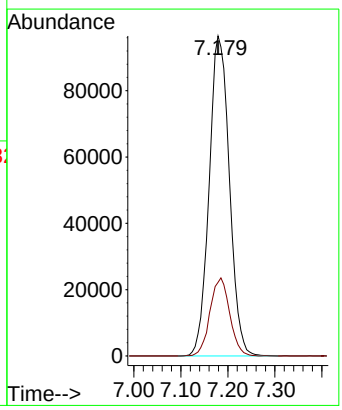


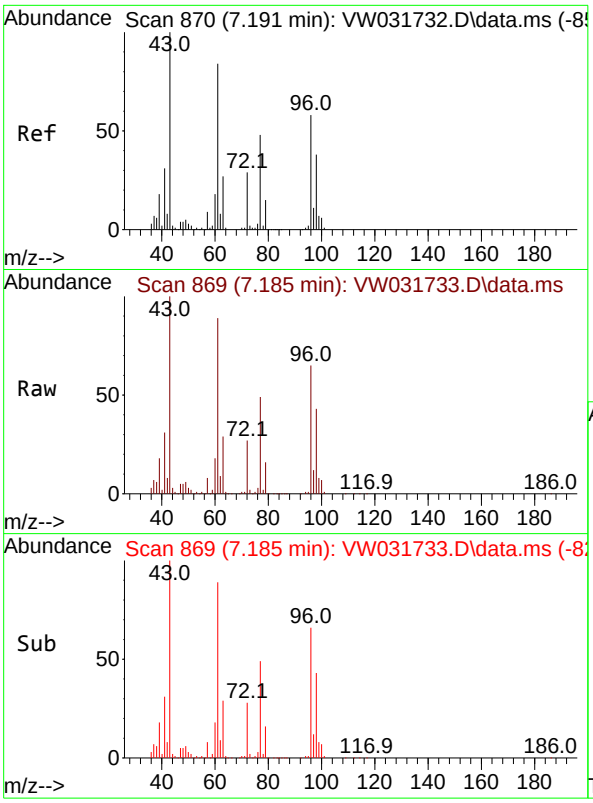


#26
2,2-Dichloropropane
Concen: 95.325 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 77 Resp: 288897

Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.6	34.7



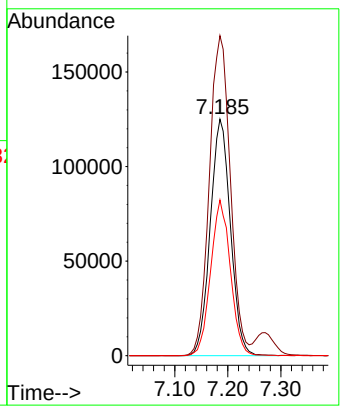


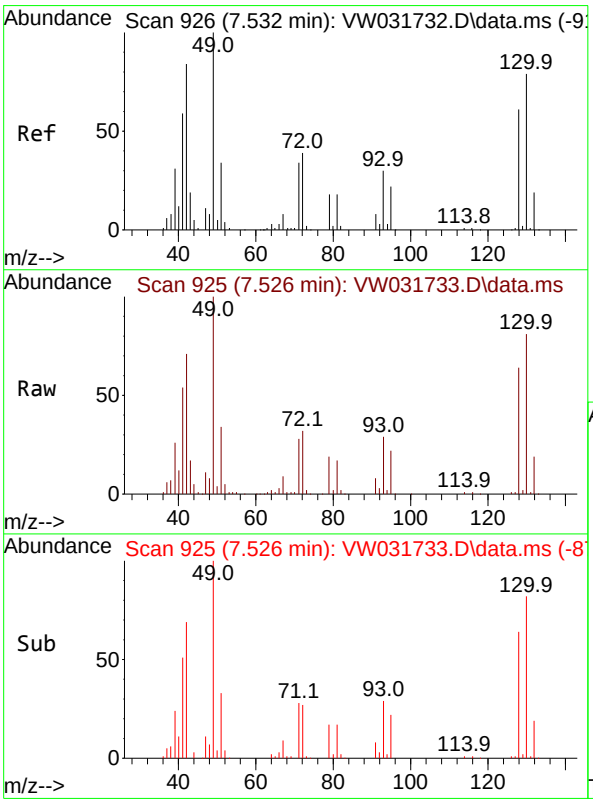
#27
cis-1,2-Dichloroethene
Concen: 101.187 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 330910

Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	286.8
98	64.5	0.0	130.4

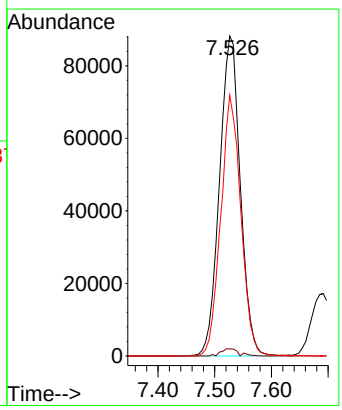


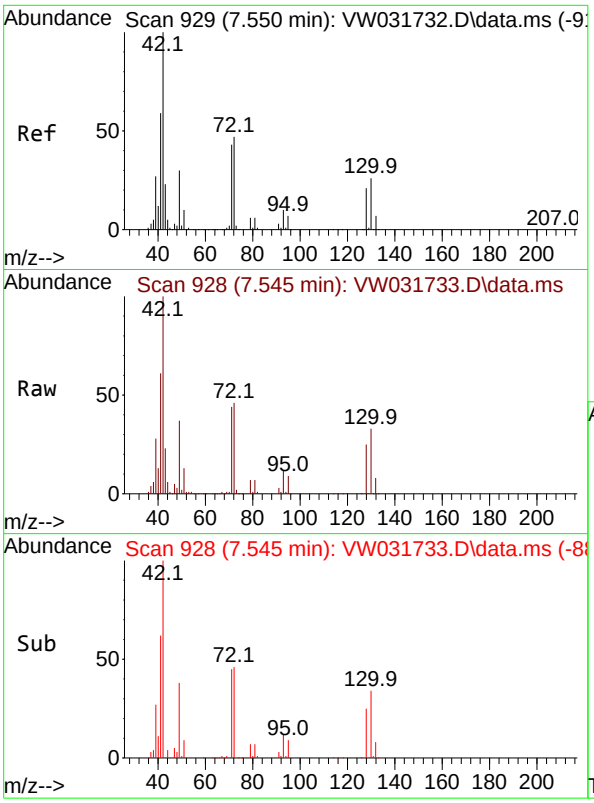


#28
Bromochloromethane
Concen: 97.940 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 49 Resp: 224498

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.4
130	78.7	61.3	91.9



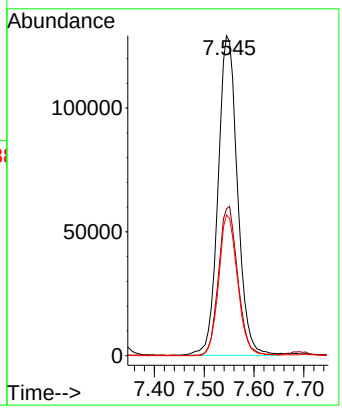


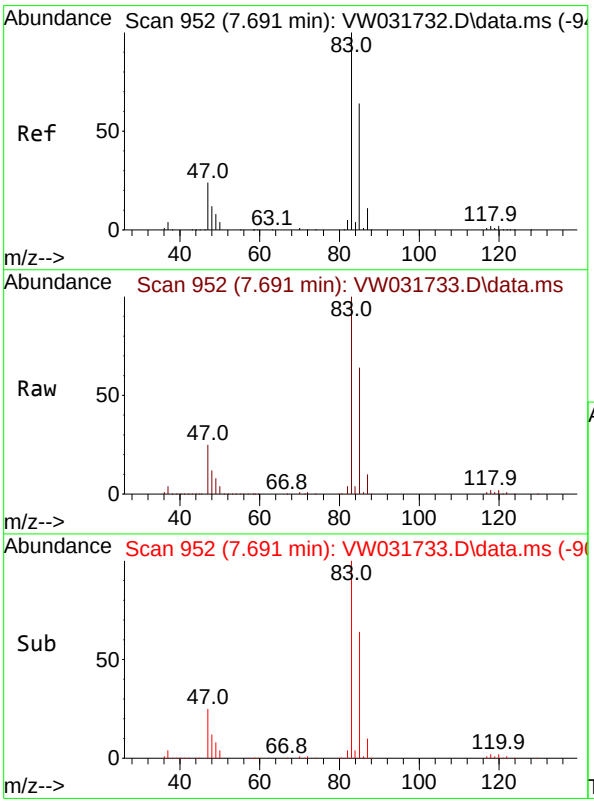
#29
Tetrahydrofuran
Concen: 492.168 ug/l
RT: 7.545 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 349502

Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.8	55.2
71	42.8	34.6	52.0

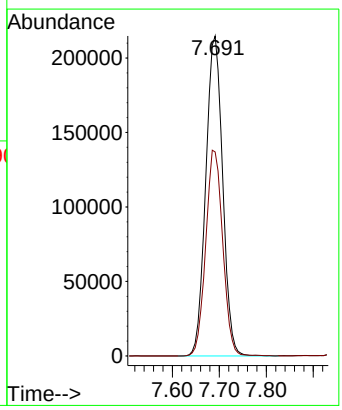


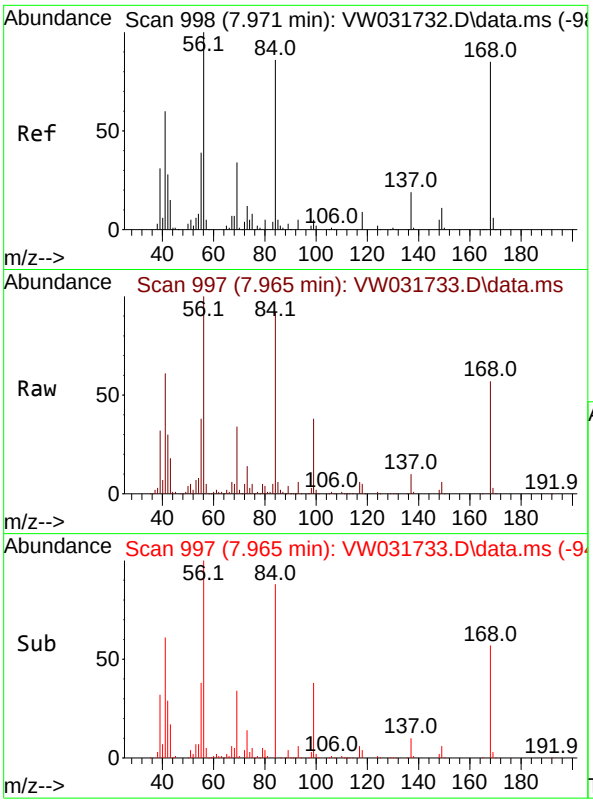


#30
Chloroform
Concen: 96.841 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 83 Resp: 534507

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0



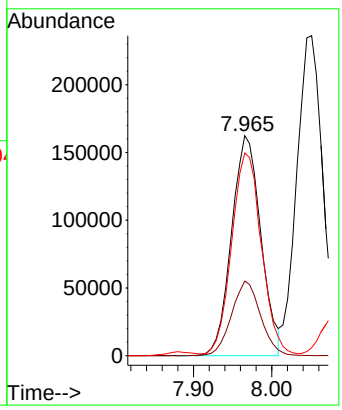


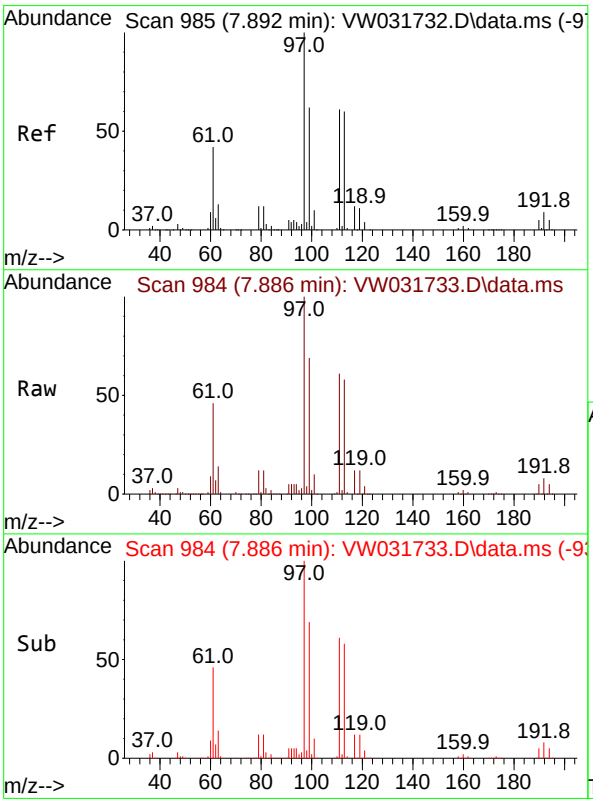
#31
Cyclohexane
Concen: 91.965 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 422261

Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.2	40.8
84	90.3	68.5	102.7

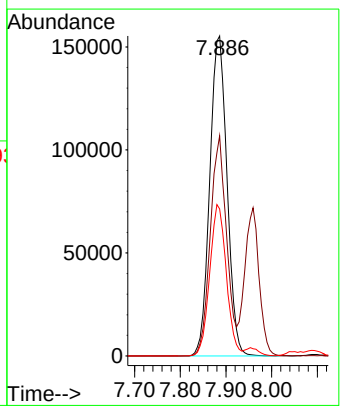


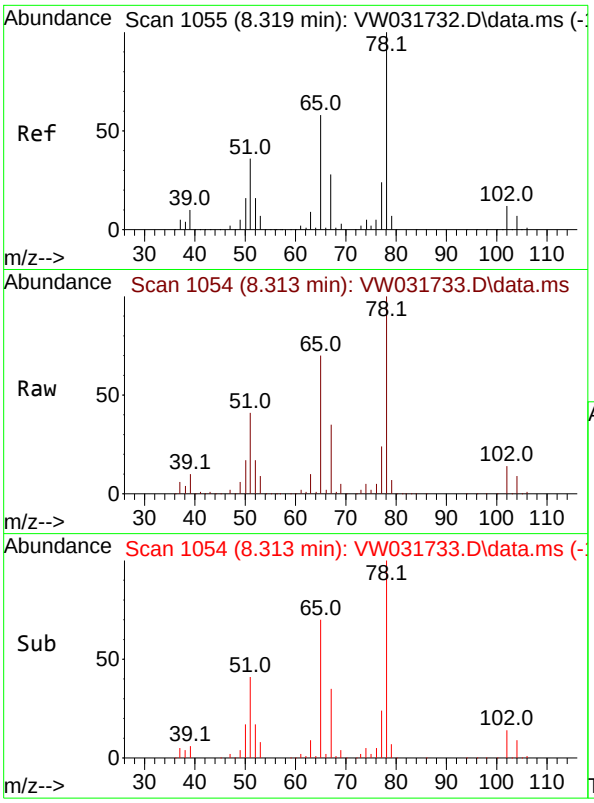


#32
1,1,1-Trichloroethane
Concen: 95.829 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 97 Resp: 407612

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	45.6	36.0	54.0



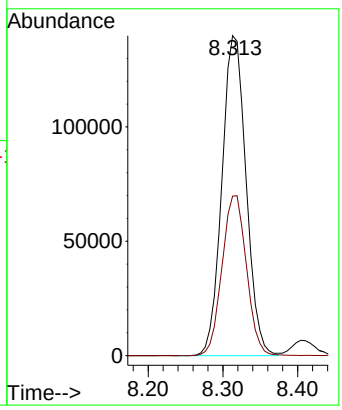


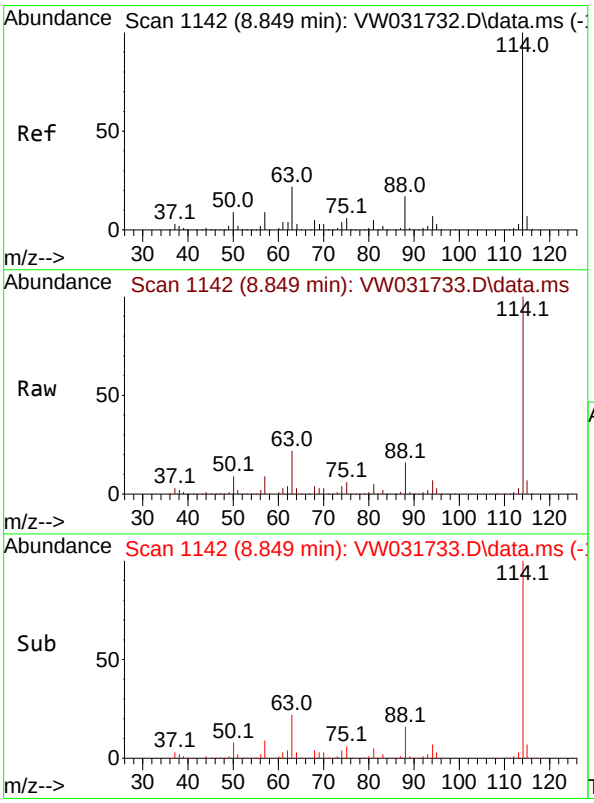
#33
1,2-Dichloroethane-d4
Concen: 97.777 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 315303

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	99.4

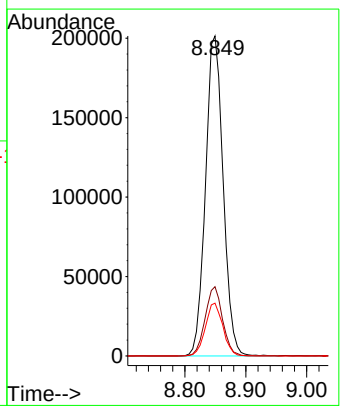


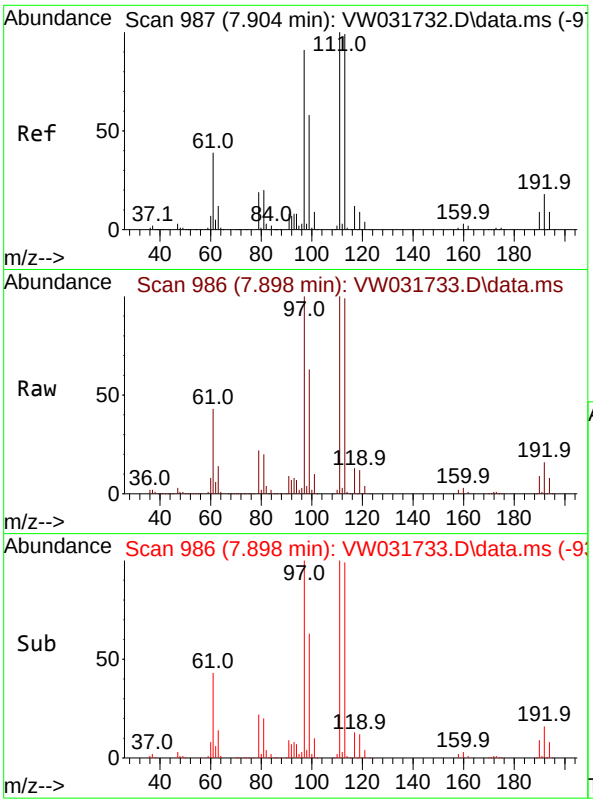


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:114 Resp: 406265

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.6
88	16.5	0.0	34.2



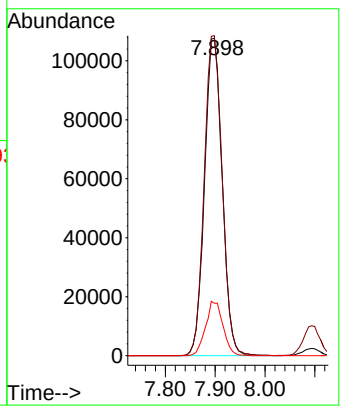


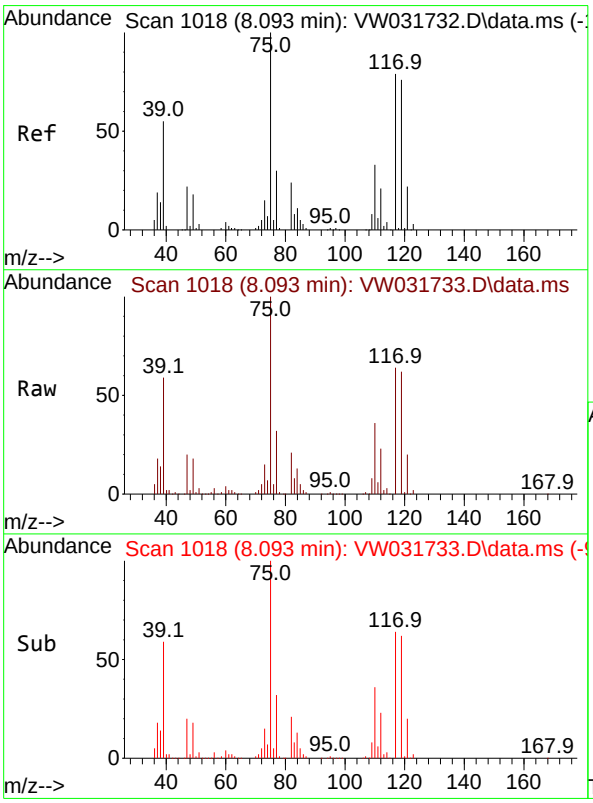
#35
Dibromofluoromethane
Concen: 100.118 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 265418

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.1	123.1
192	16.8	13.8	20.6

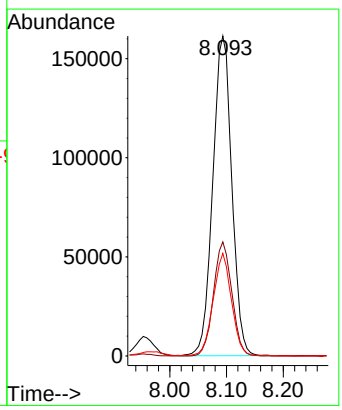


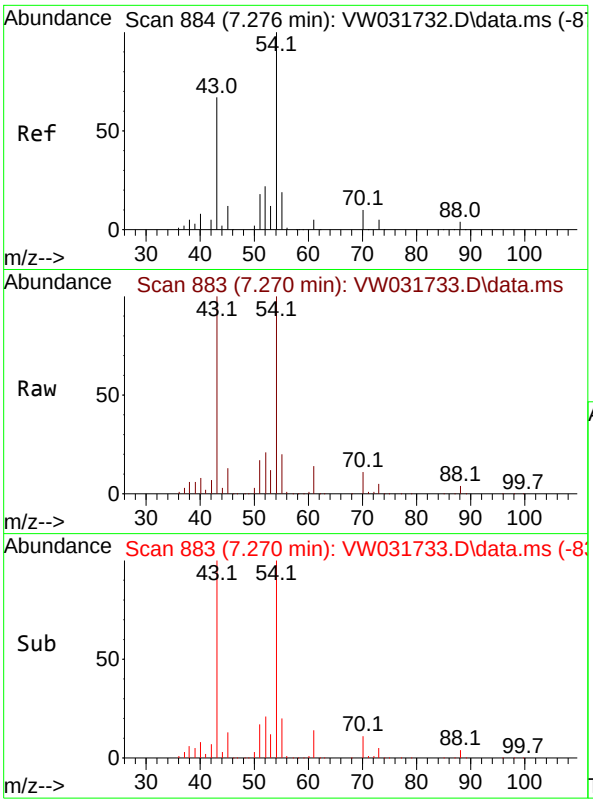


#36
1,1-Dichloropropene
Concen: 97.982 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 375878

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	30.7	25.0	37.6



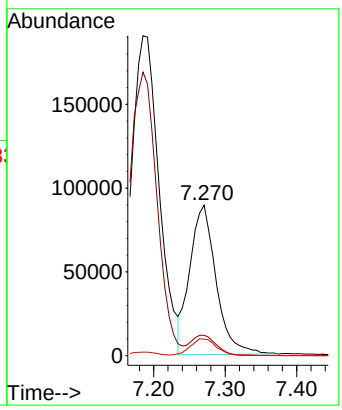


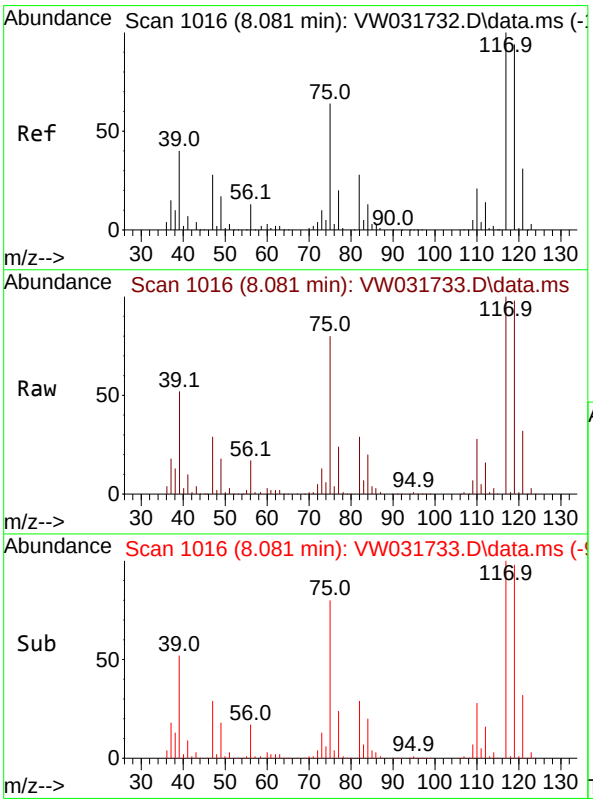
#37
Ethyl Acetate
Concen: 94.474 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 228624

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.2	9.2	13.8

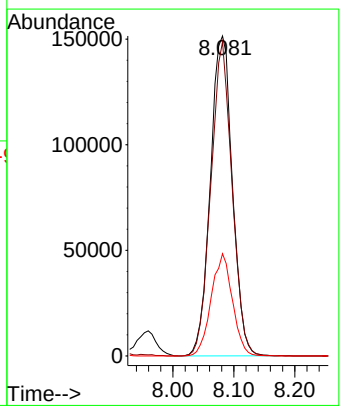


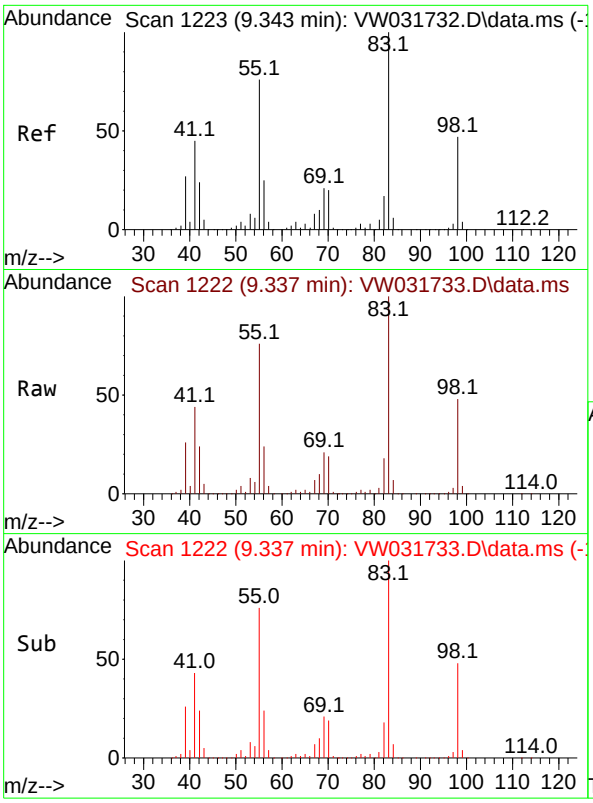


#38
Carbon Tetrachloride
Concen: 97.306 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:117 Resp: 380387

Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.0	112.6
121	31.9	24.6	37.0



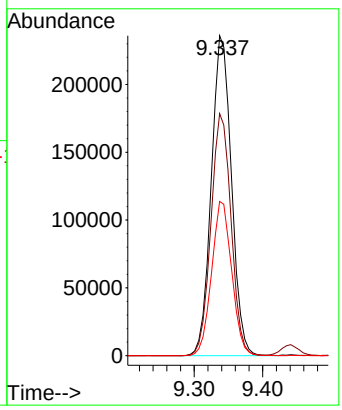


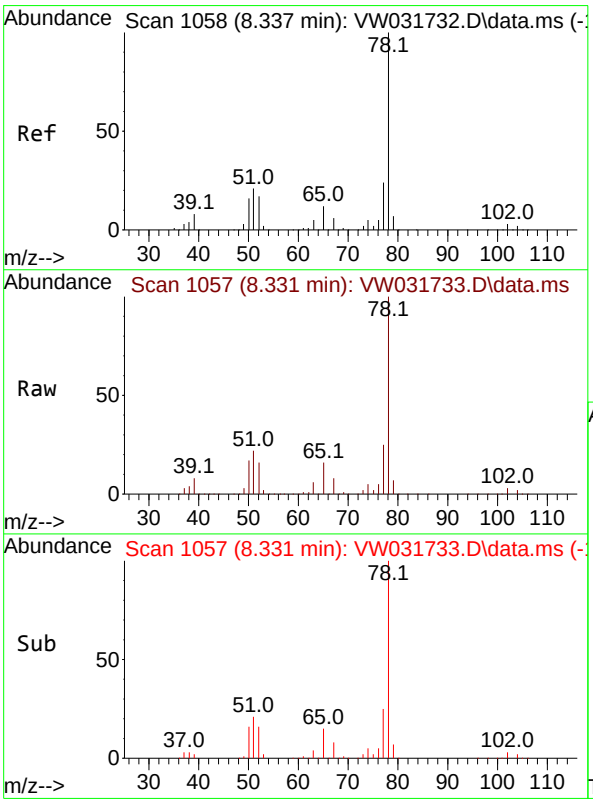
#39
Methylcyclohexane
Concen: 100.834 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 481270

Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.4
98	48.2	37.9	56.9

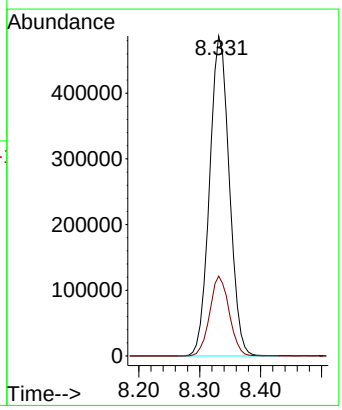


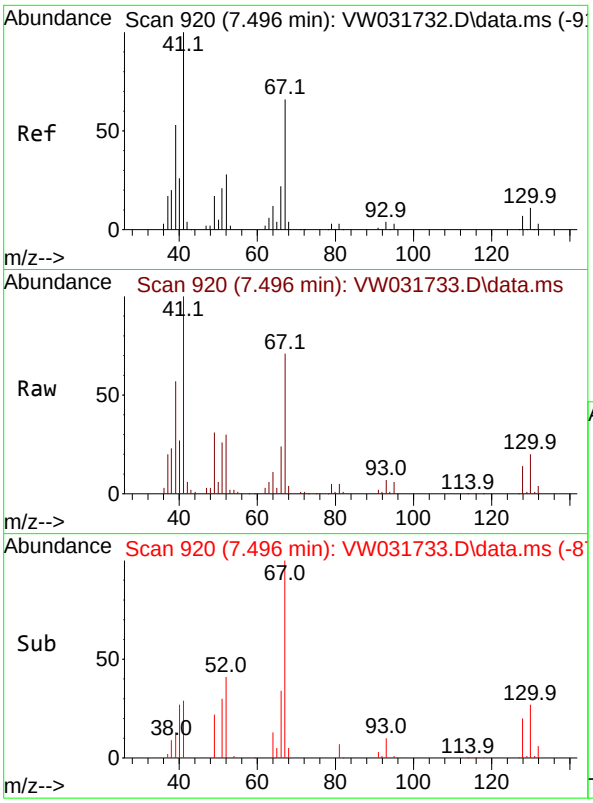


#40
Benzene
Concen: 96.598 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 78 Resp: 1096371

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8



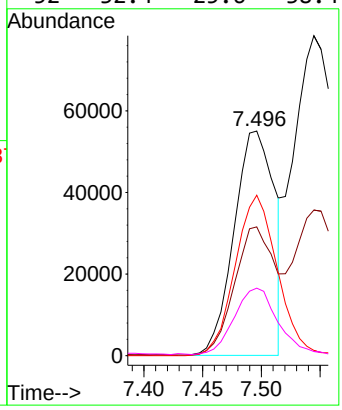


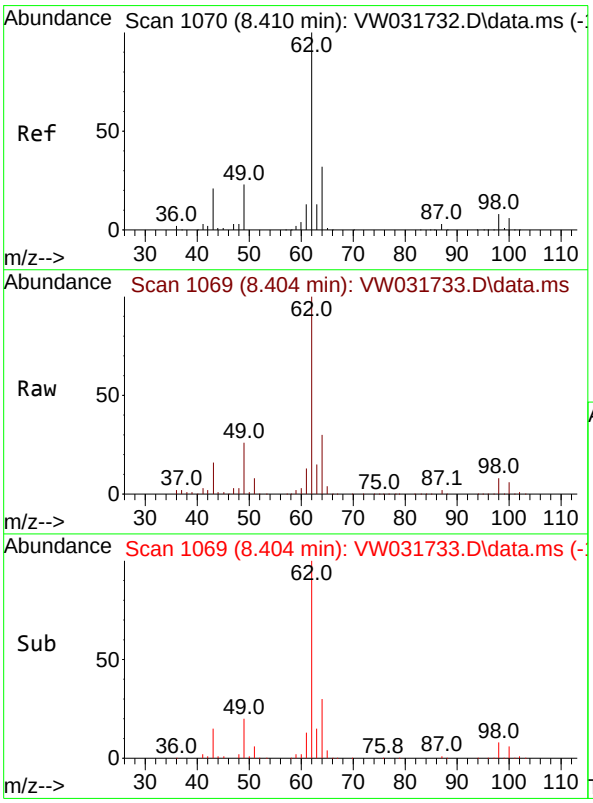
#41
Methacrylonitrile
Concen: 101.206 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 131200

Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.2	64.8
67	75.4	58.1	87.1
52	32.4	25.6	38.4

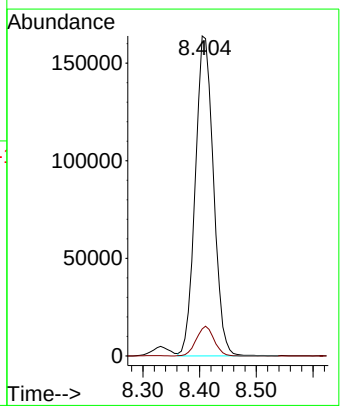


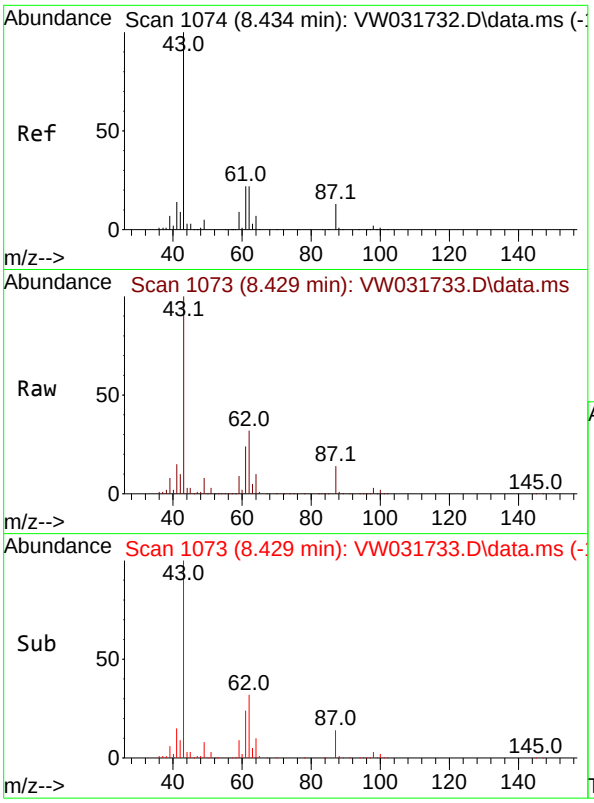


#42
1,2-Dichloroethane
Concen: 95.068 ug/l
RT: 8.404 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 62 Resp: 364585

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2



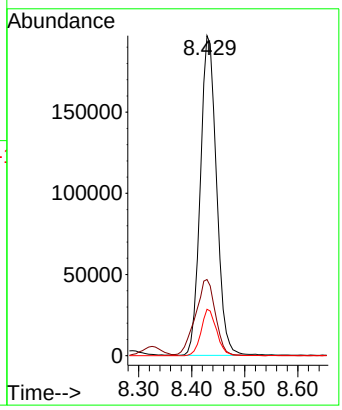


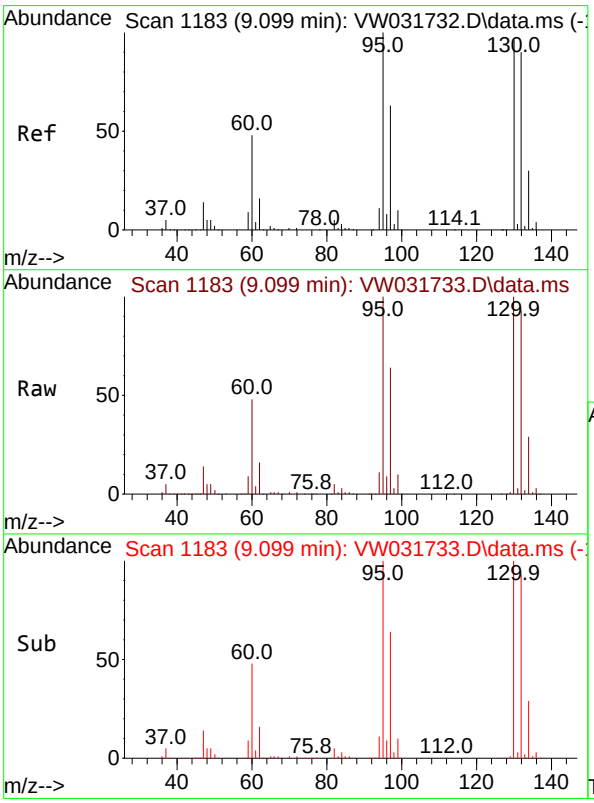
#43
Isopropyl Acetate
Concen: 100.040 ug/l
RT: 8.429 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 417317

Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.1	34.7
87	13.9	10.8	16.2

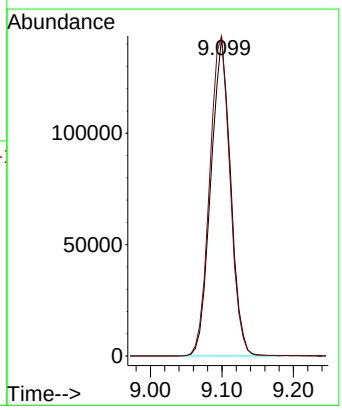


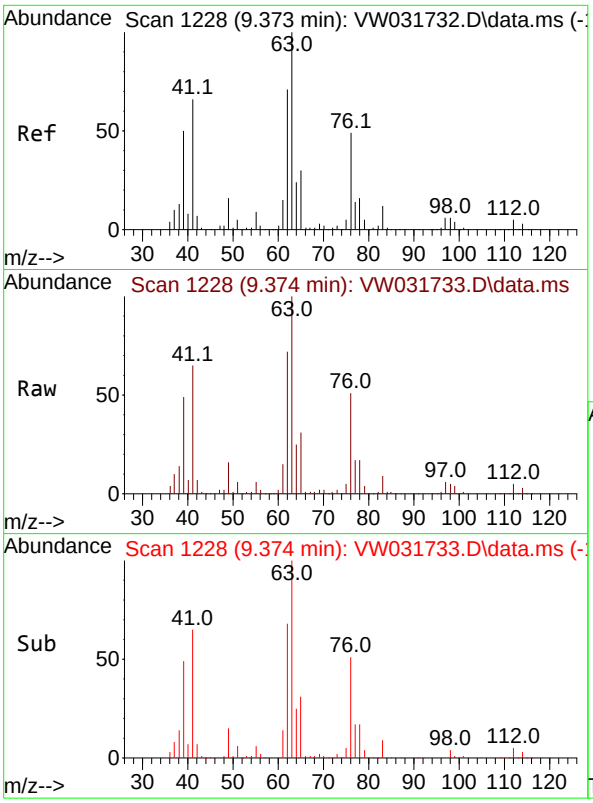


#44
Trichloroethene
Concen: 96.676 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:130 Resp: 273865

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	208.6



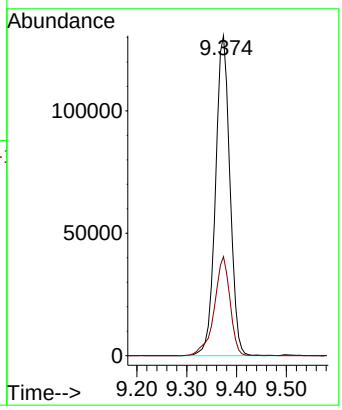


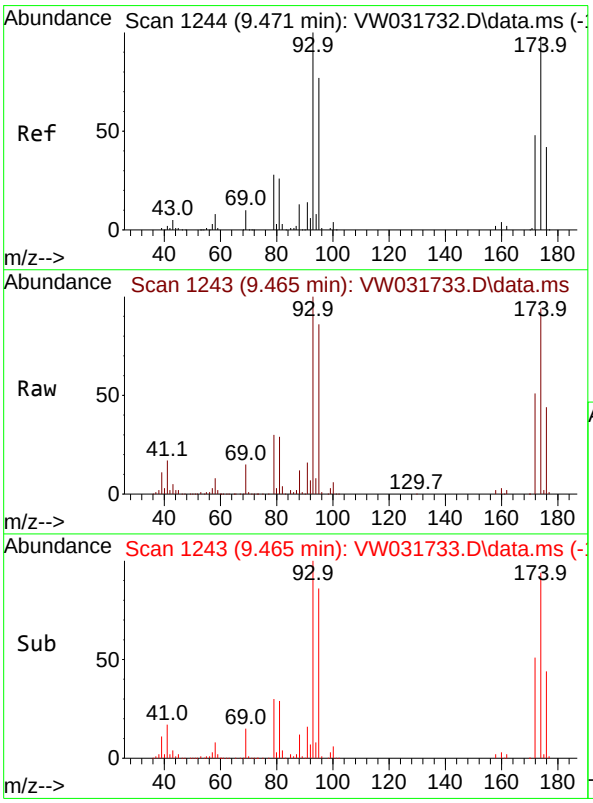
#45
1,2-Dichloropropane
Concen: 95.956 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 263216

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.4

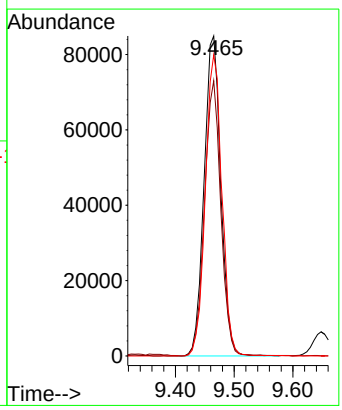


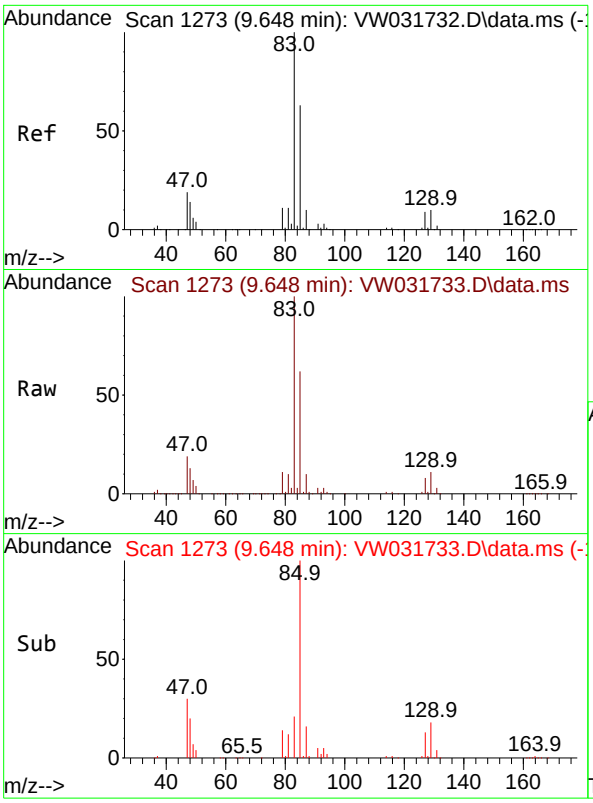


#46
Dibromomethane
Concen: 94.732 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 93 Resp: 167767

Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.0	100.4
174	93.3	71.7	107.5



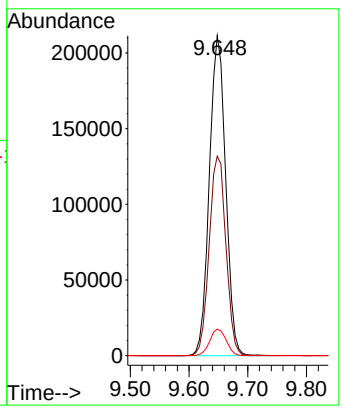


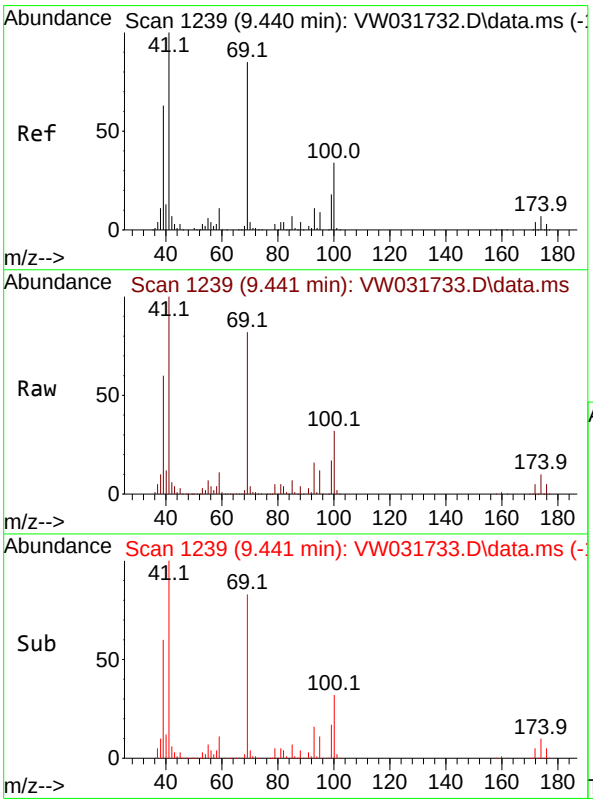
#47
Bromodichloromethane
Concen: 98.177 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 407715

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	8.3	6.8	10.2

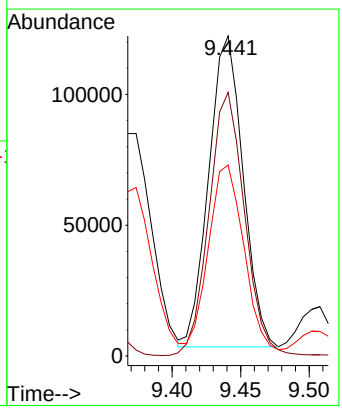


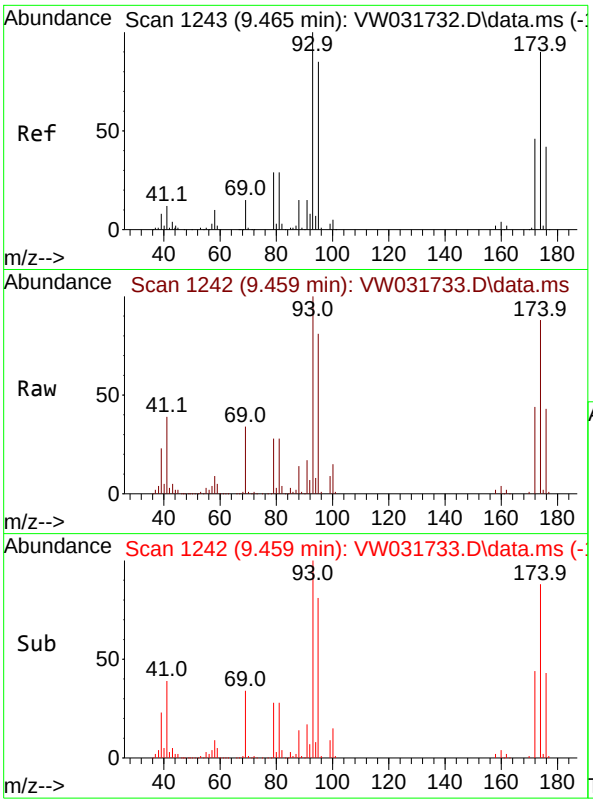


#48
Methyl methacrylate
Concen: 100.953 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 41 Resp: 207070

Ion	Ratio	Lower	Upper
41	100		
69	88.0	71.6	107.4
39	59.9	49.5	74.3



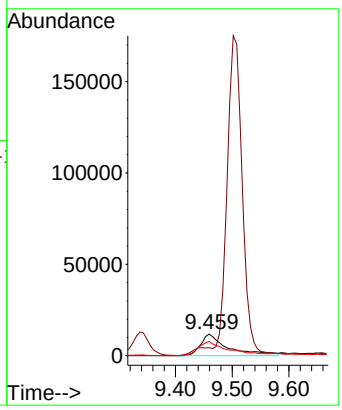


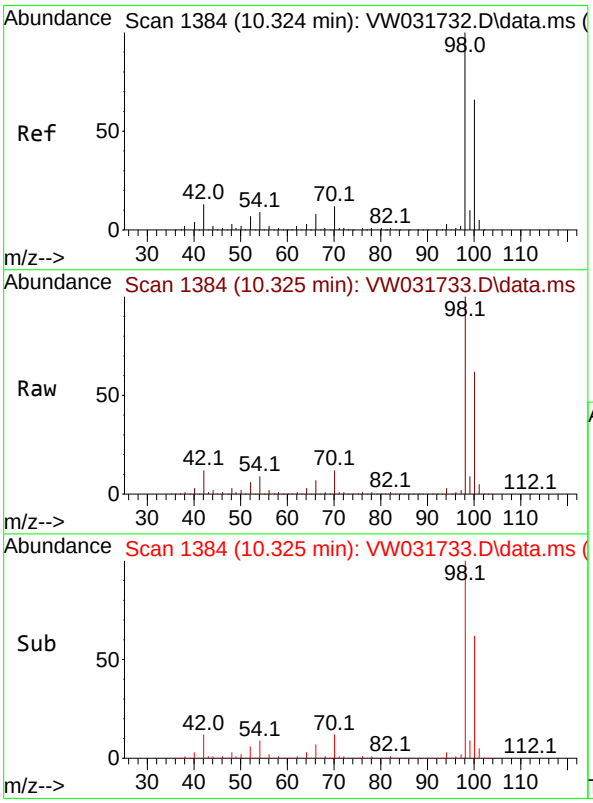
#49
1,4-Dioxane
Concen: 2094.300 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 39485

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.3	58.3	87.5

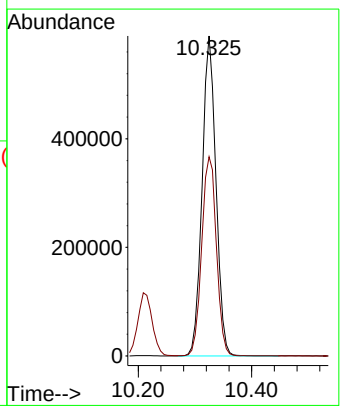


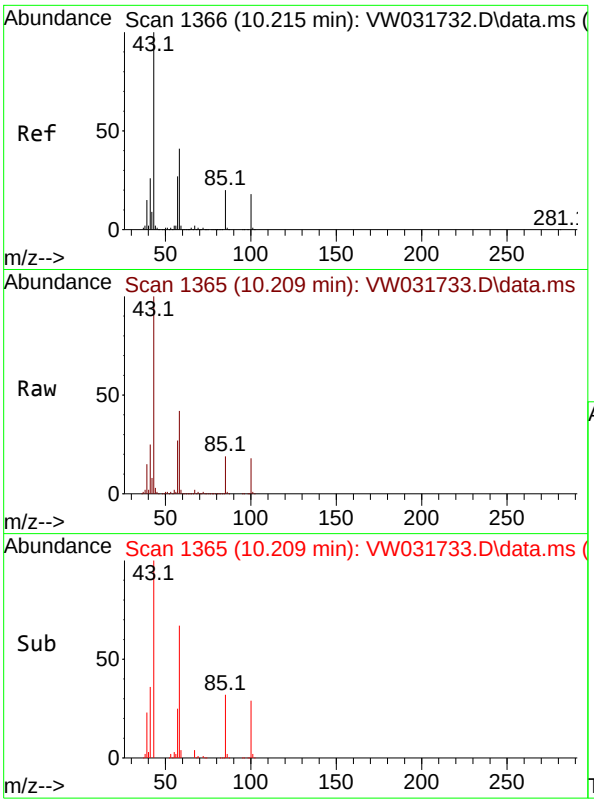


#50
Toluene-d8
Concen: 101.188 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 98 Resp: 998288

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4



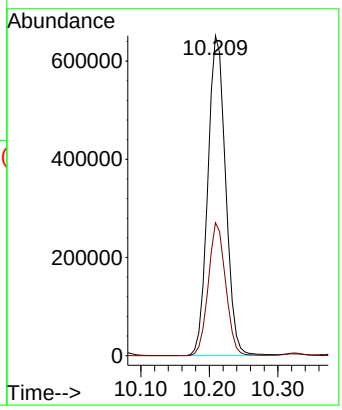


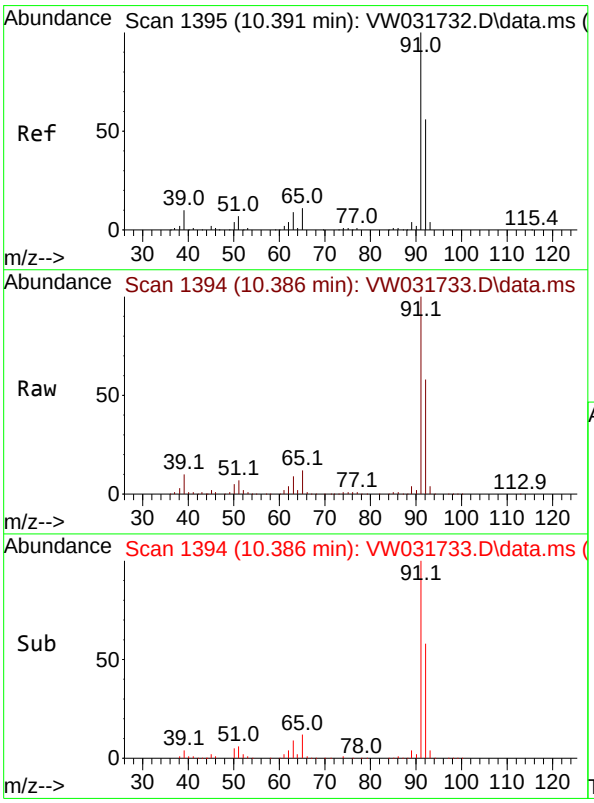
#51
4-Methyl-2-Pentanone
Concen: 489.871 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1174822

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.2	48.2

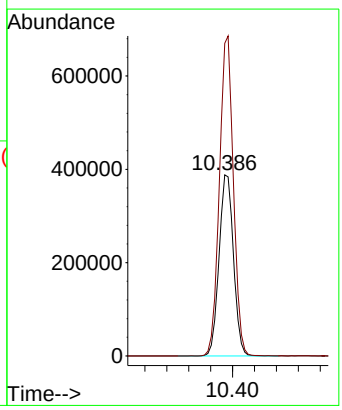


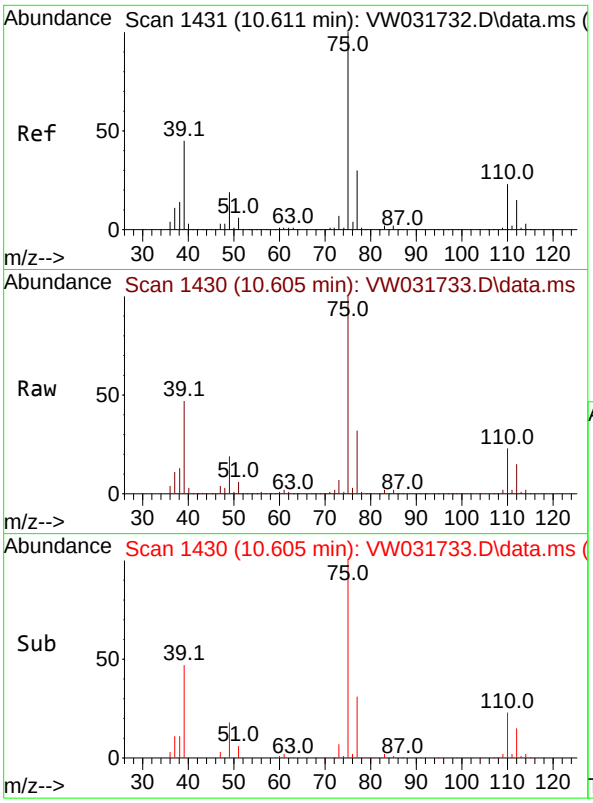


#52
Toluene
Concen: 97.739 ug/l
RT: 10.386 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 92 Resp: 710254

Ion	Ratio	Lower	Upper
92	100		
91	171.7	139.5	209.3



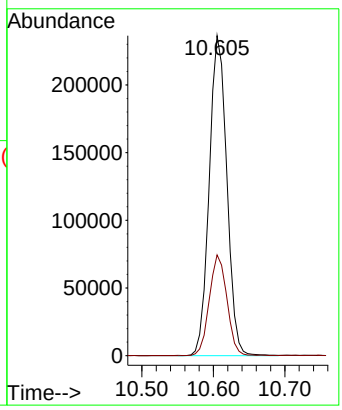


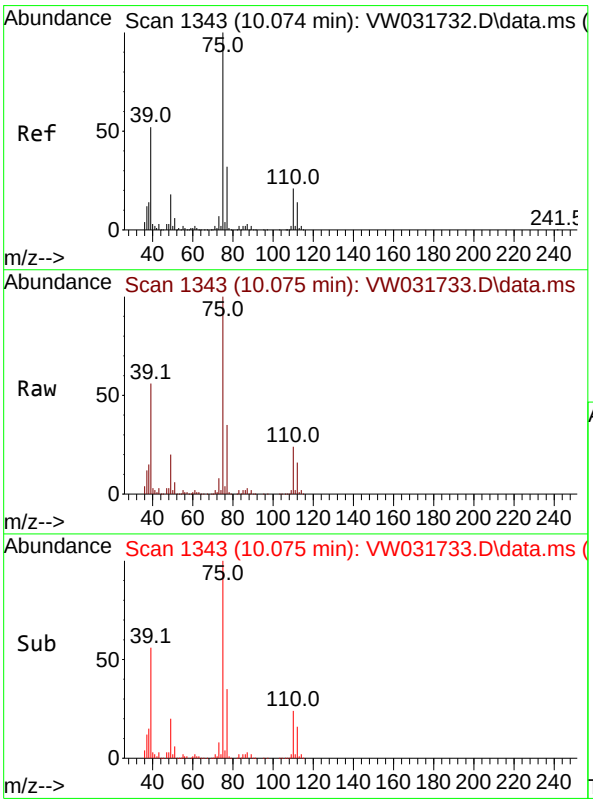
#53
t-1,3-Dichloropropene
Concen: 103.743 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 404225

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.3	36.5

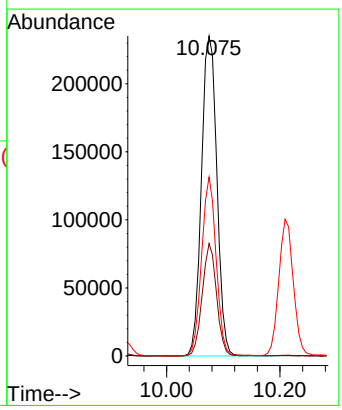


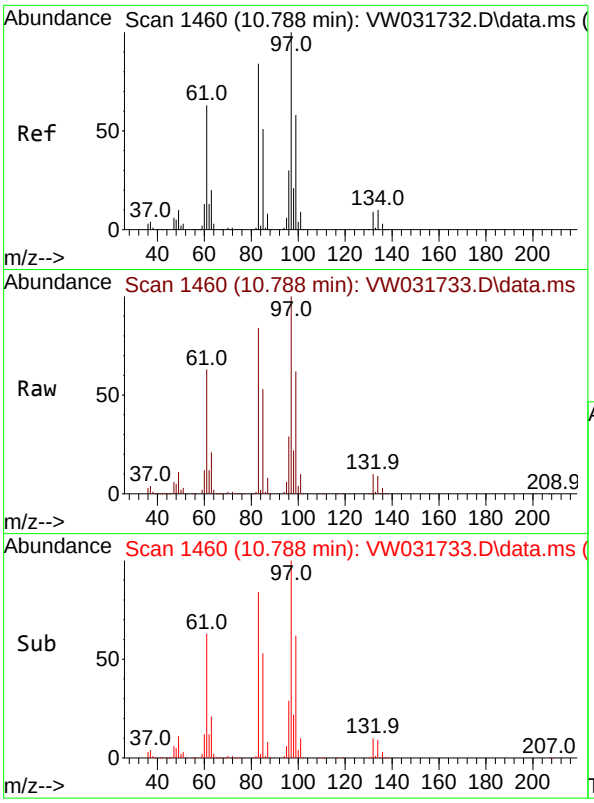


#54
cis-1,3-Dichloropropene
Concen: 100.610 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 444410

Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.4	38.2
39	55.9	41.8	62.6



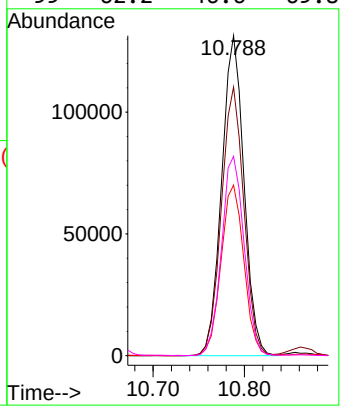


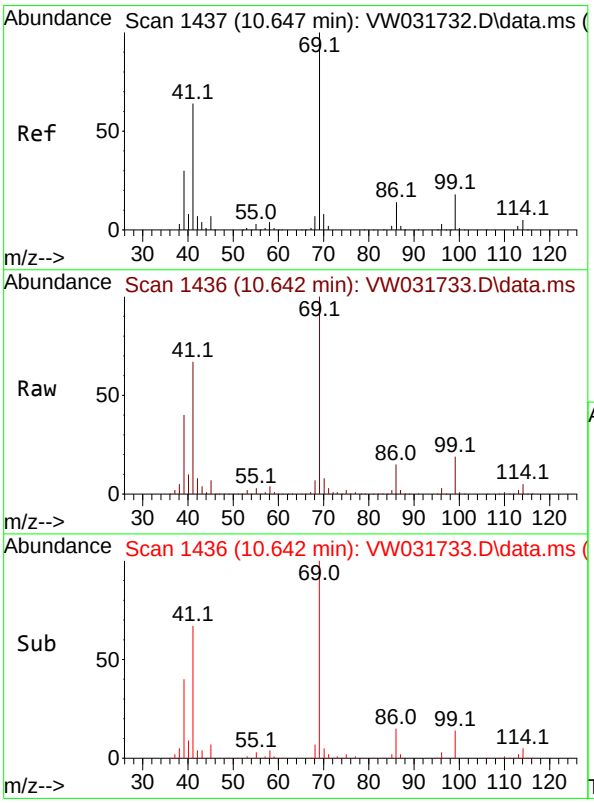
#55
1,1,2-Trichloroethane
Concen: 96.178 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 223115

Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.9	100.3
85	53.3	41.1	61.7
99	62.2	46.6	69.8

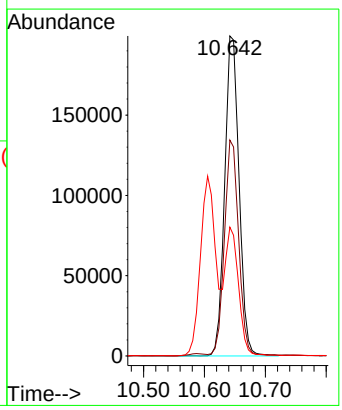


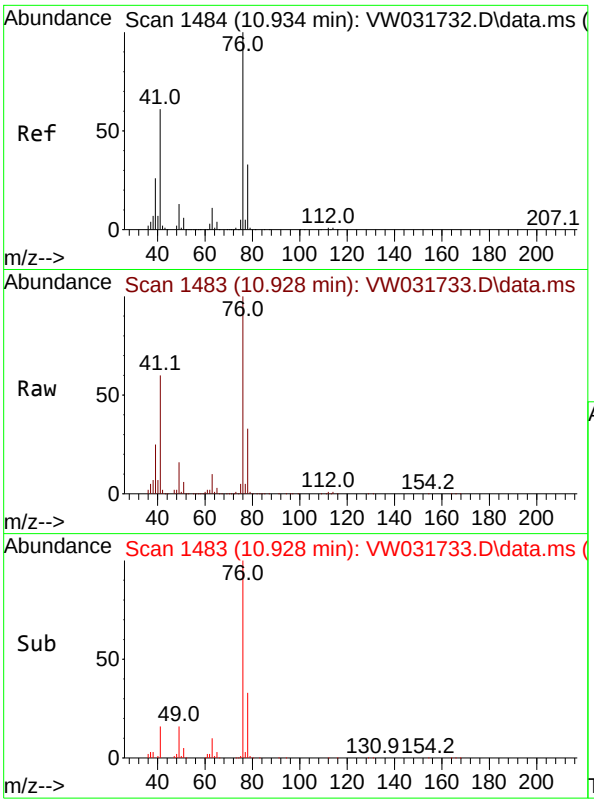


#56
Ethyl methacrylate
Concen: 103.792 ug/l
RT: 10.642 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 69 Resp: 326655

Ion	Ratio	Lower	Upper
69	100		
41	66.2	53.3	79.9
39	35.2	30.2	45.2



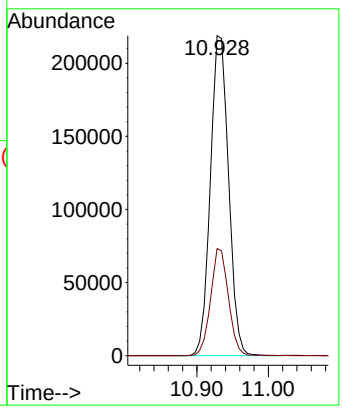


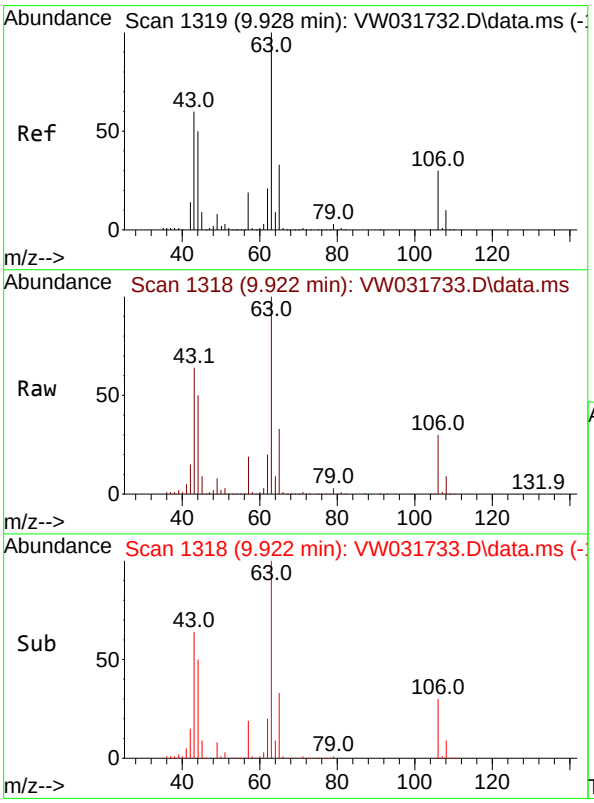
#57
1,3-Dichloropropane
Concen: 95.120 ug/l
RT: 10.928 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 387413

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

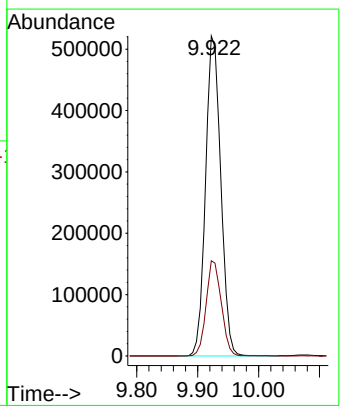


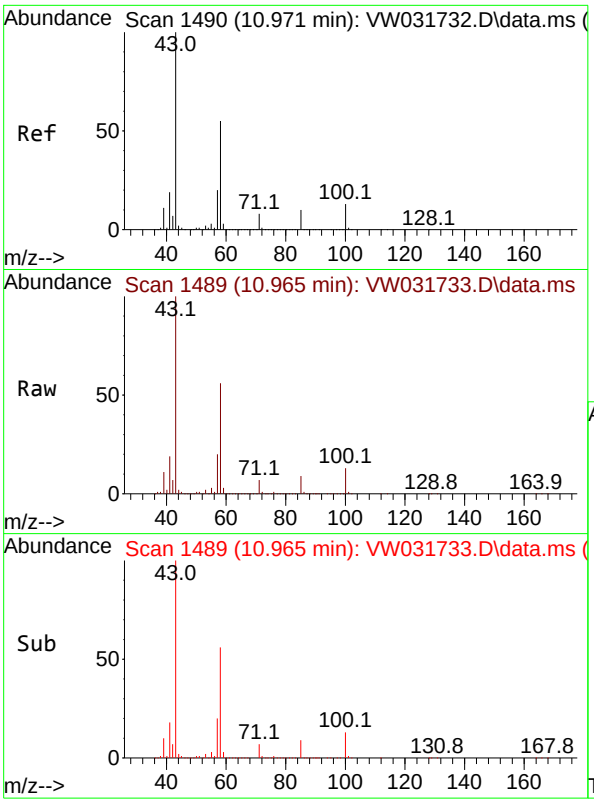


#58
2-Chloroethyl Vinyl ether
Concen: 523.732 ug/l
RT: 9.922 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 63 Resp: 907630

Ion	Ratio	Lower	Upper
63	100		
106	29.5	24.1	36.1



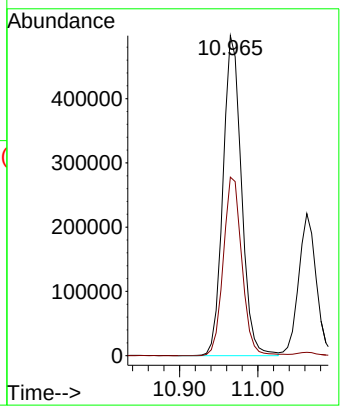


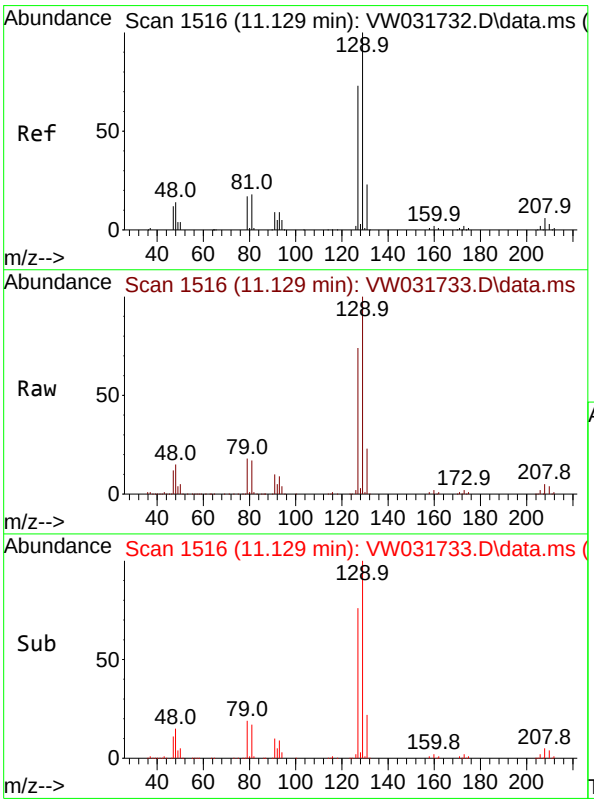
#59
2-Hexanone
Concen: 502.809 ug/l
RT: 10.965 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 817133

Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.9	83.6

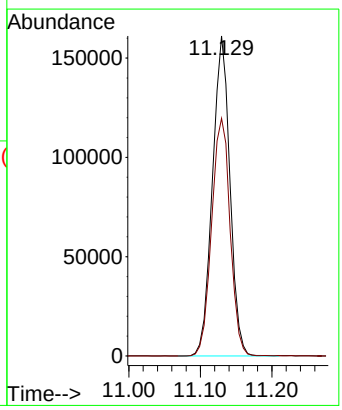


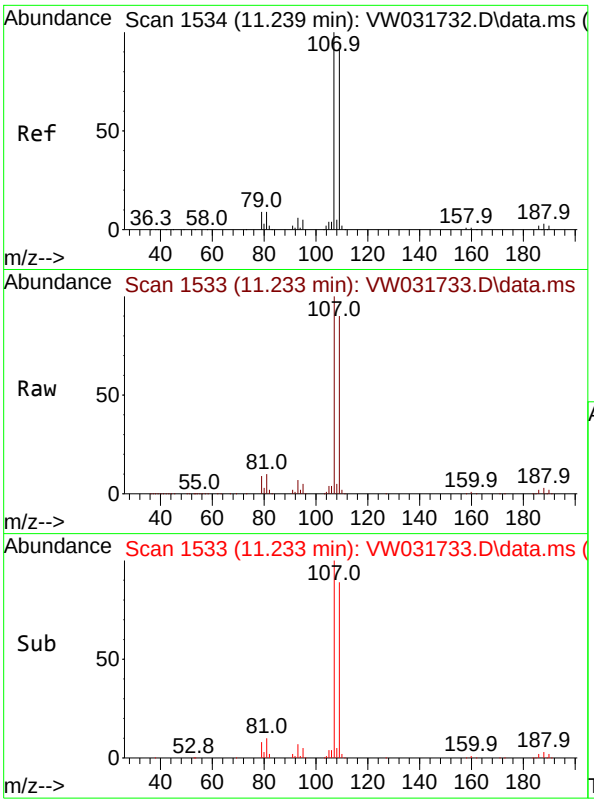


#60
Dibromochloromethane
Concen: 98.517 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:129 Resp: 273293

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.0	114.1



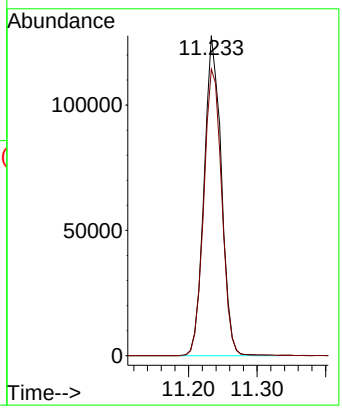


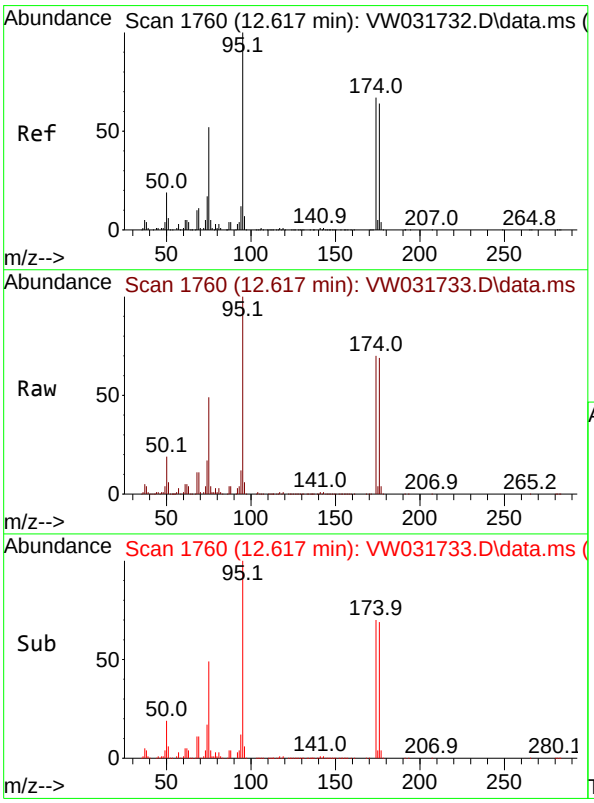
#61
1,2-Dibromoethane
Concen: 95.925 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 222768

Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.9	110.9

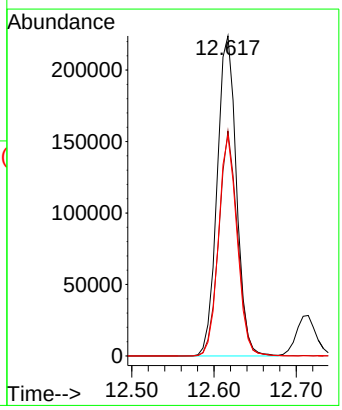


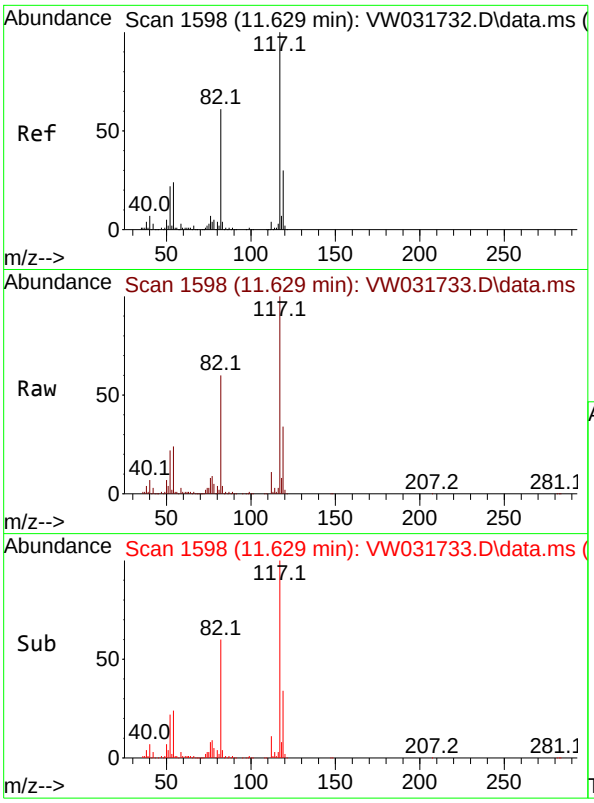


#62
4-Bromofluorobenzene
Concen: 100.680 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 95 Resp: 365527

Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	133.8
176	66.1	0.0	126.0



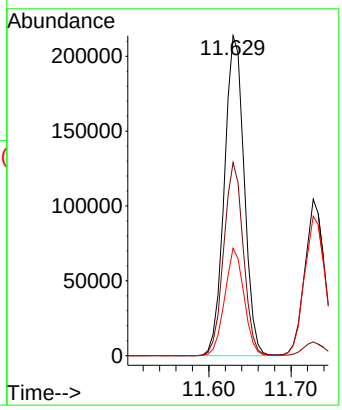


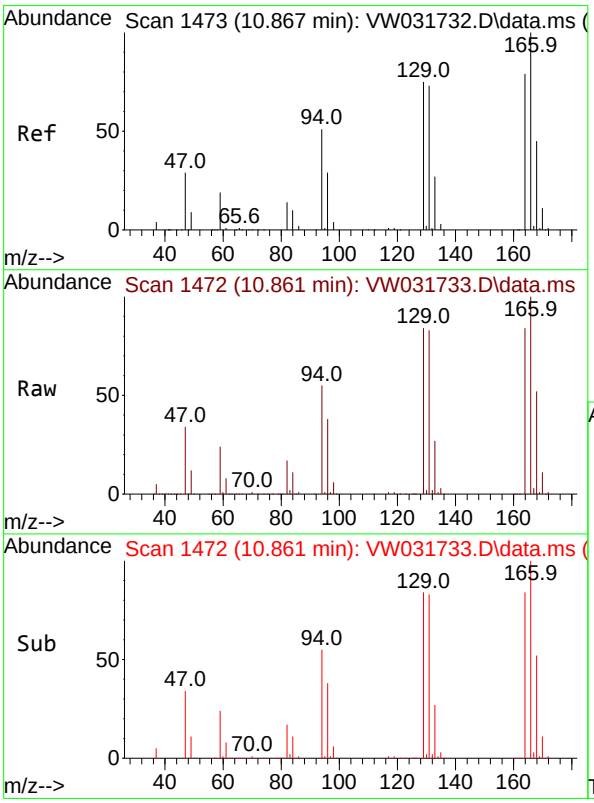
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 358957

Ion	Ratio	Lower	Upper
117	100		
82	60.4	48.6	72.8
119	33.6	23.9	35.9

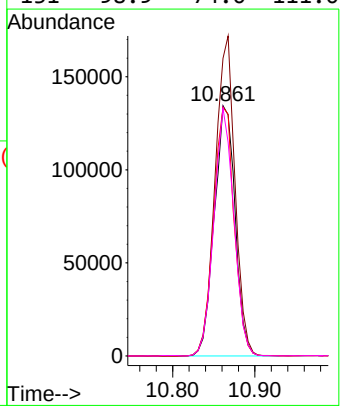


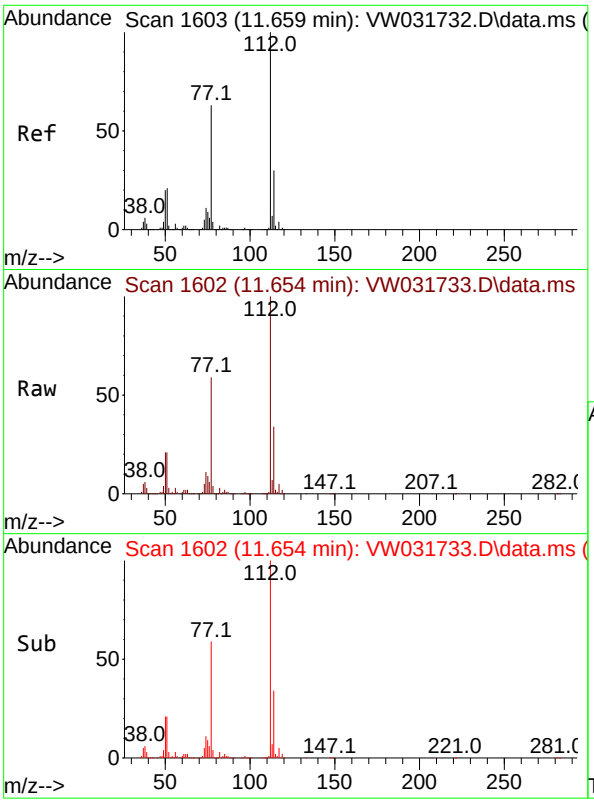


#64
Tetrachloroethene
Concen: 100.695 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:164 Resp: 236432

Ion	Ratio	Lower	Upper
164	100		
166	118.9	100.7	151.1
129	99.3	75.4	113.0
131	98.9	74.0	111.0



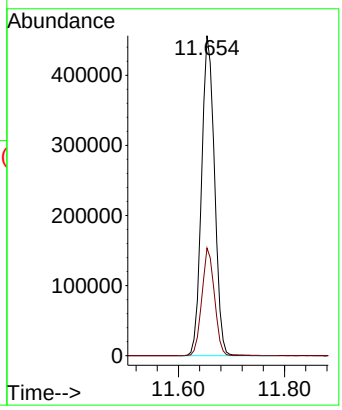


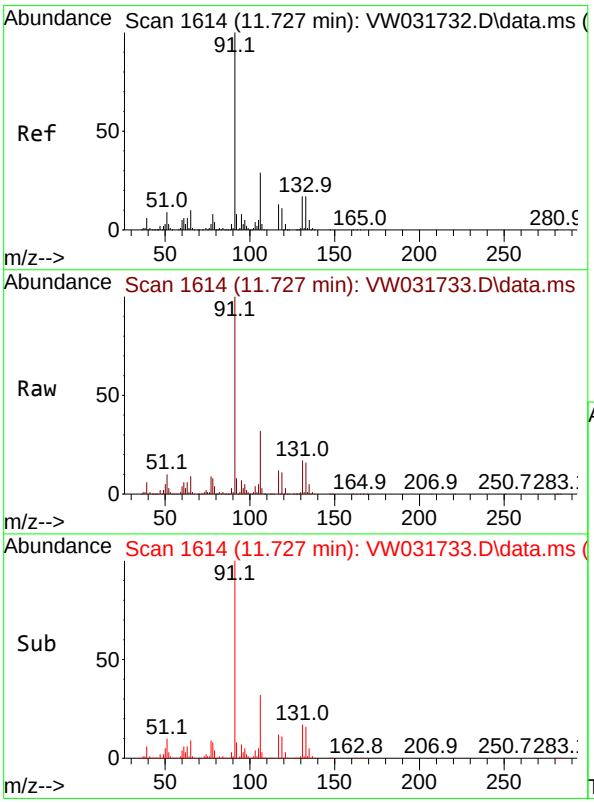
#65
Chlorobenzene
Concen: 97.693 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 773712

Ion	Ratio	Lower	Upper
112	100		
114	33.7	23.8	35.8

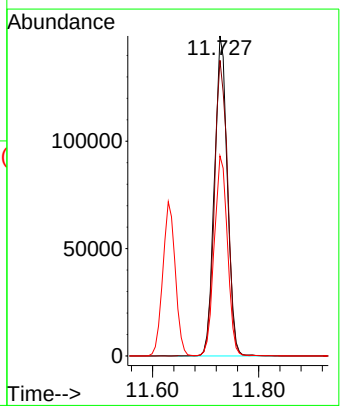


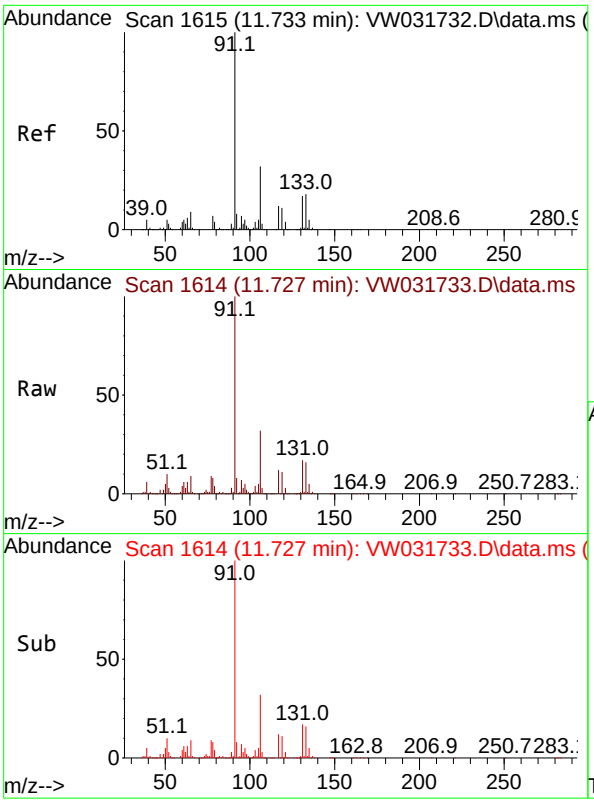


#66
1,1,1,2-Tetrachloroethane
Concen: 100.030 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:131 Resp: 252455

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.5	145.6
119	64.0	32.5	97.5



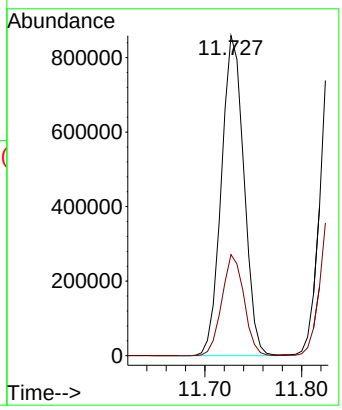


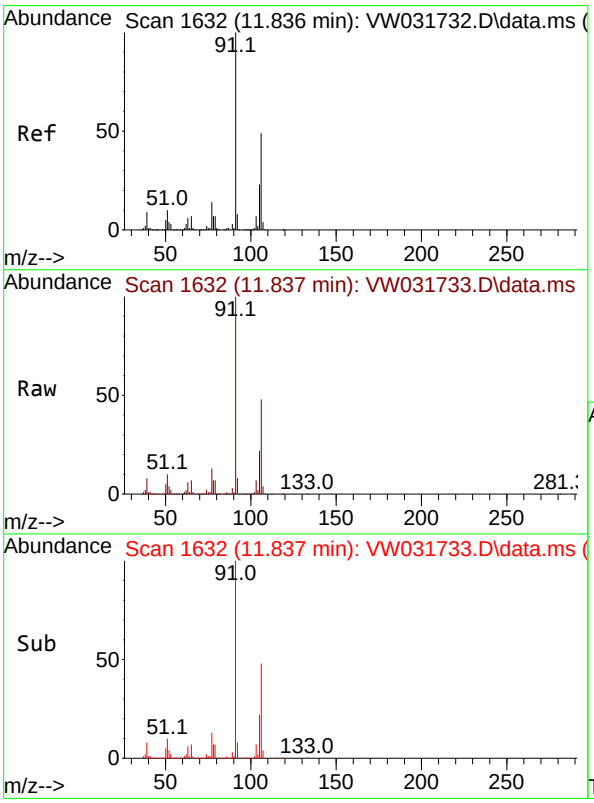
#67
Ethyl Benzene
Concen: 101.112 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1388600

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.2

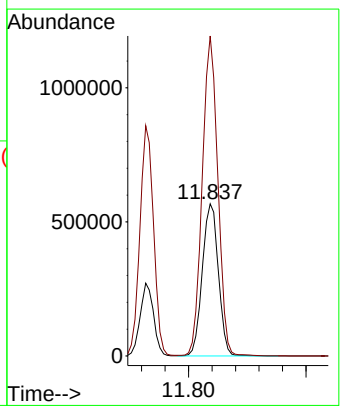


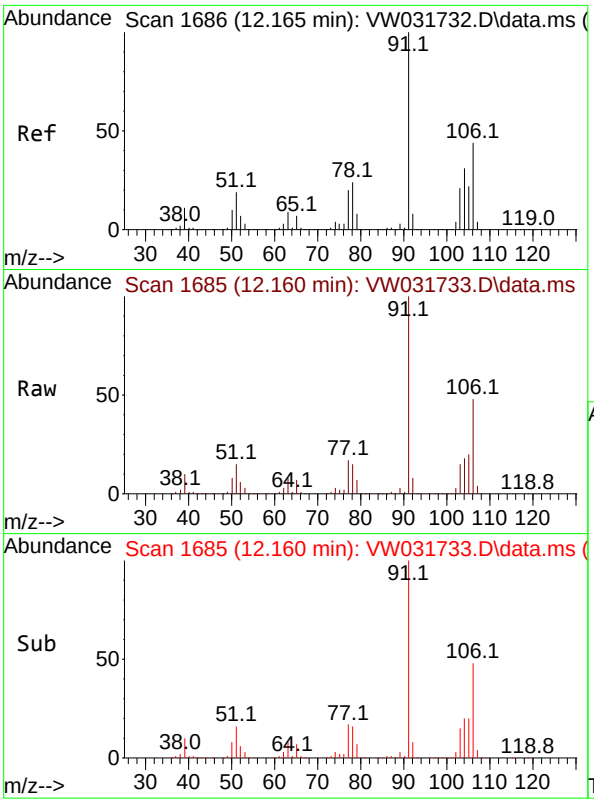


#68
m/p-Xylenes
Concen: 204.066 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:106 Resp: 1077324

Ion	Ratio	Lower	Upper
106	100		
91	204.4	166.4	249.6



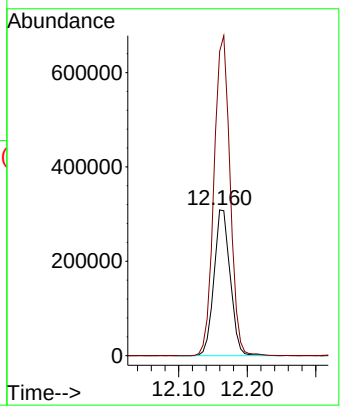


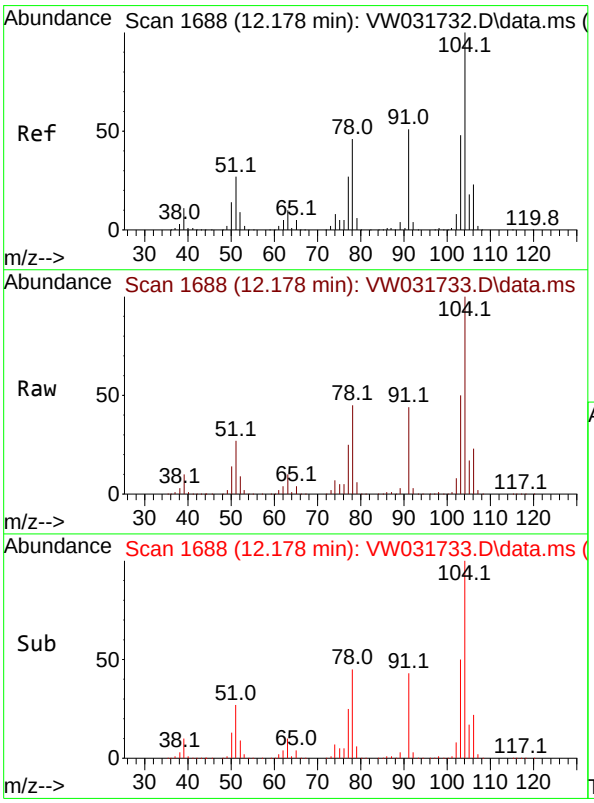
#69
o-Xylene
Concen: 103.535 ug/l
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 506083

Ion	Ratio	Lower	Upper
106	100		
91	218.1	111.5	334.4

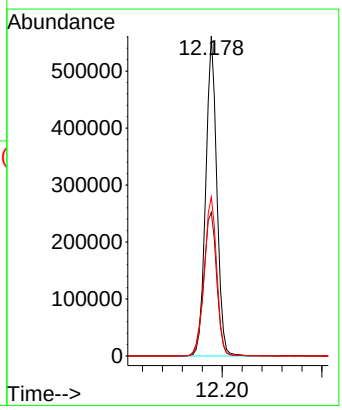


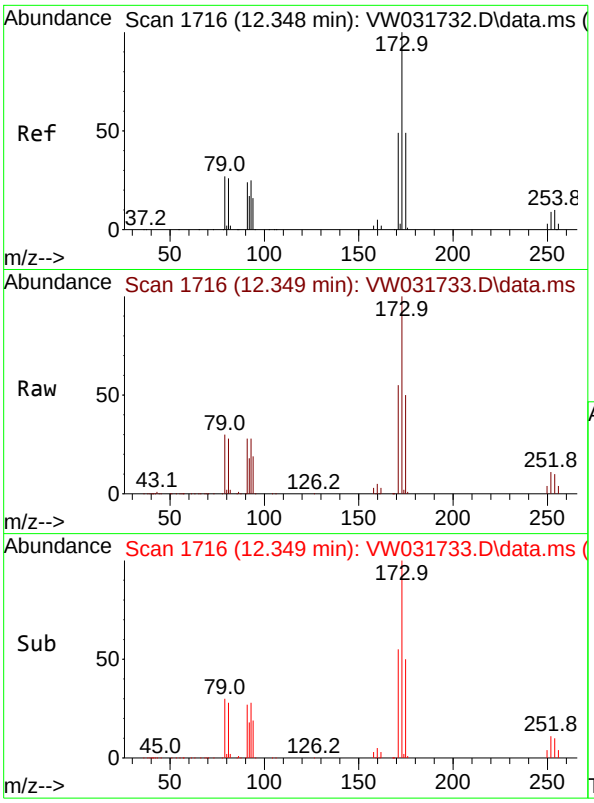


#70
Styrene
Concen: 102.427 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:104 Resp: 865542

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	55.5	43.0	64.6



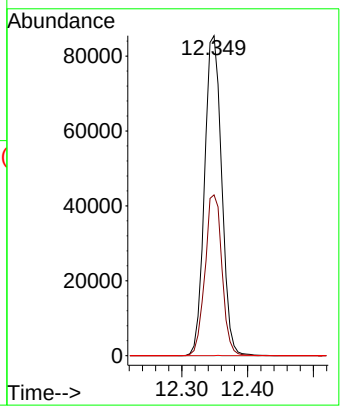


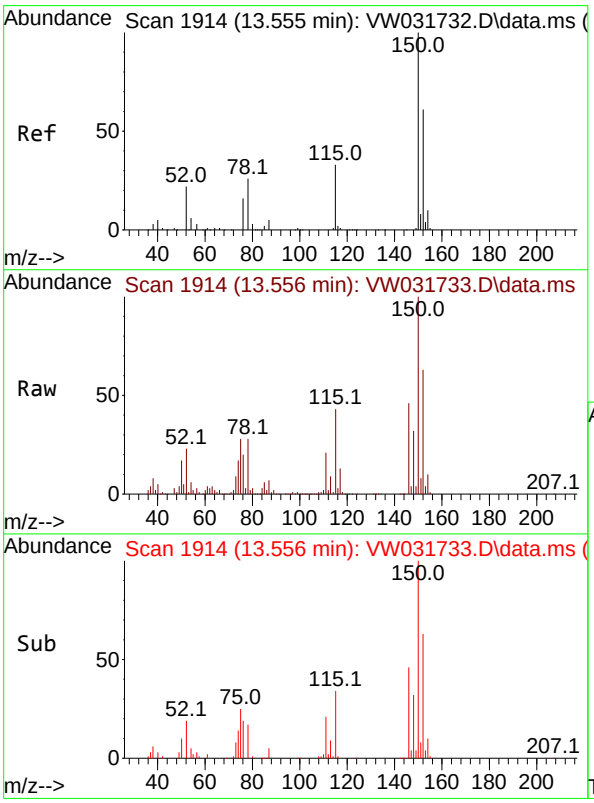
#71
Bromoform
Concen: 102.574 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 154434

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.0	72.0
254	0.0	0.1	0.1#

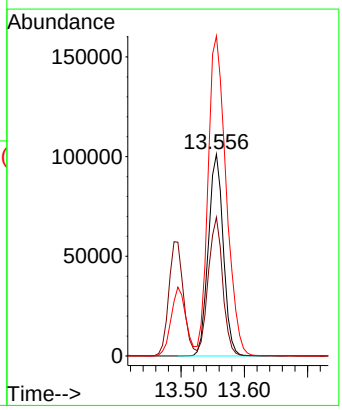


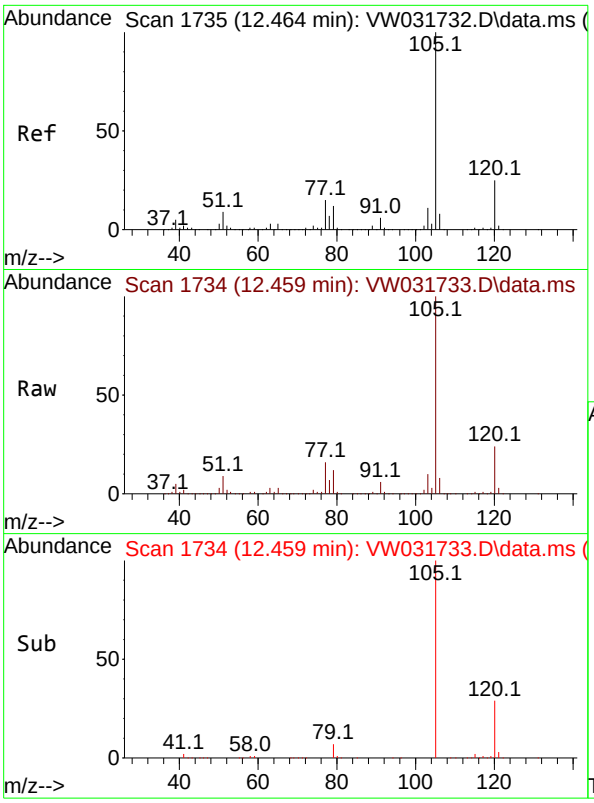


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:152 Resp: 166129

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.9	95.7
150	191.5	0.0	356.4



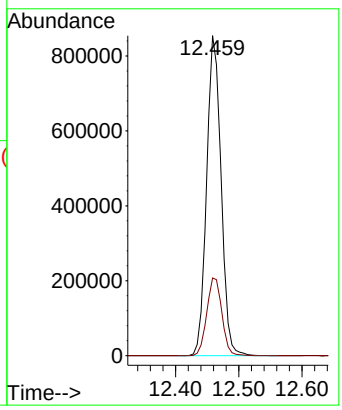


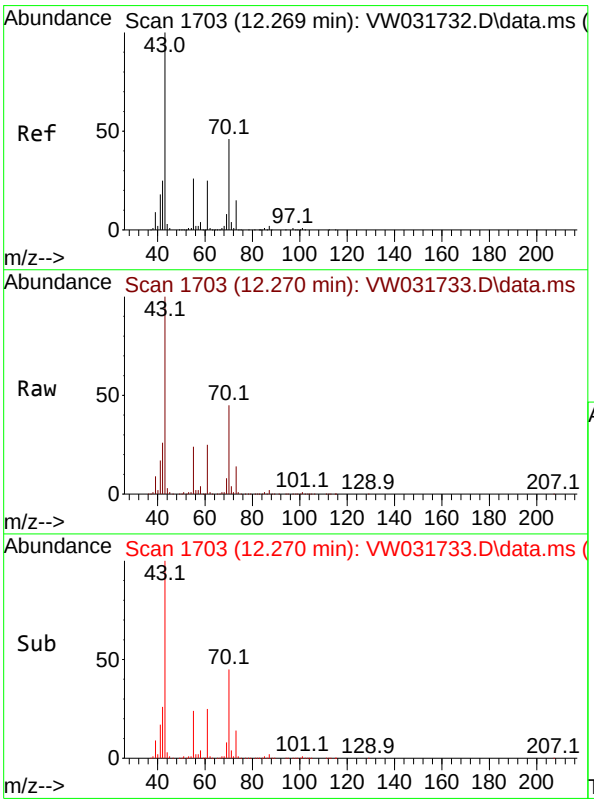
#73
Isopropylbenzene
Concen: 107.286 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1355736

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

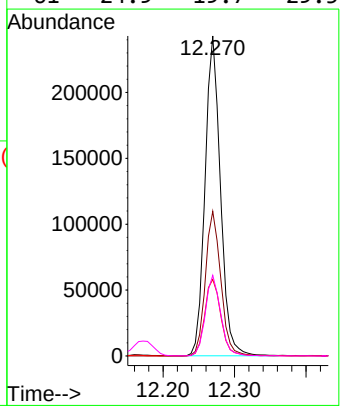


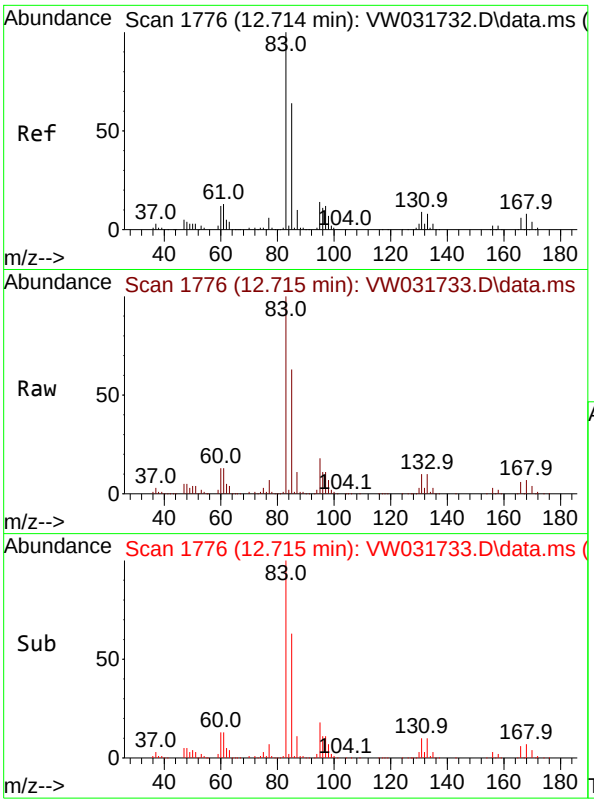


#74
N-amyl acetate
Concen: 106.869 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 43 Resp: 363996

Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.0	54.0
55	25.2	20.8	31.2
61	24.9	19.7	29.5



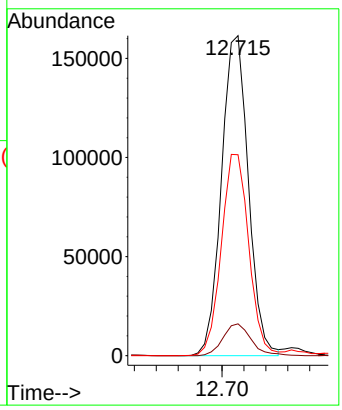


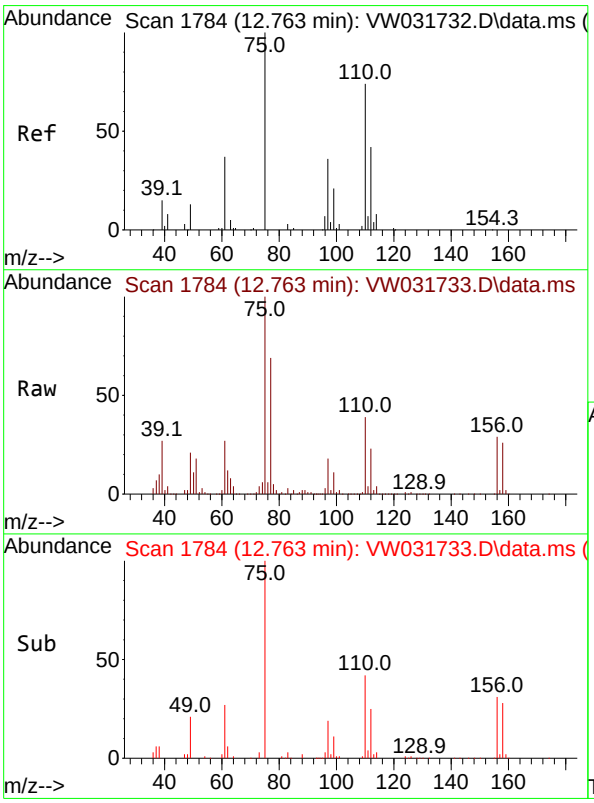
#75
1,1,2,2-Tetrachloroethane
Concen: 98.180 ug/l
RT: 12.715 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 275439

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	64.2	32.0	96.2

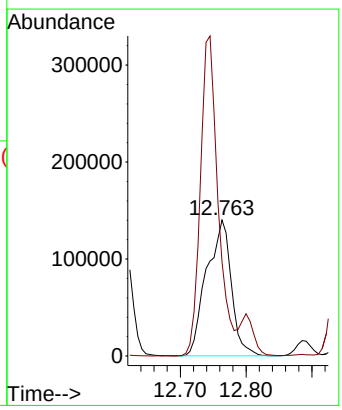


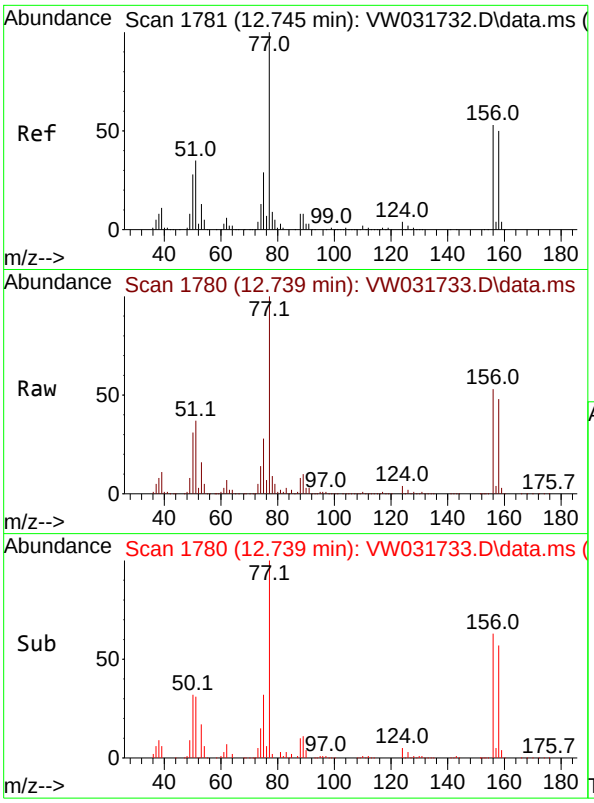


#76
1,2,3-Trichloropropane
Concen: 170.560 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 366166

Ion	Ratio	Lower	Upper
75	100		
77	168.2	141.2	423.6



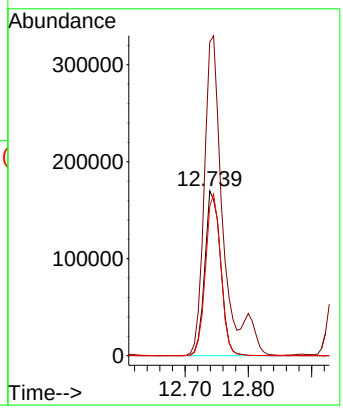


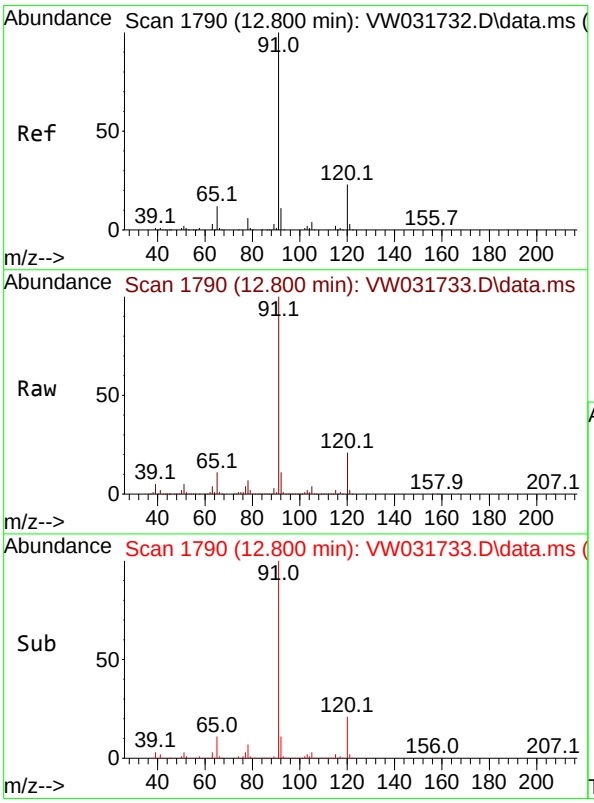
#77
Bromobenzene
Concen: 104.424 ug/l
RT: 12.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 294310

Ion	Ratio	Lower	Upper
156	100		
77	209.3	117.9	353.7
158	95.4	52.6	157.8

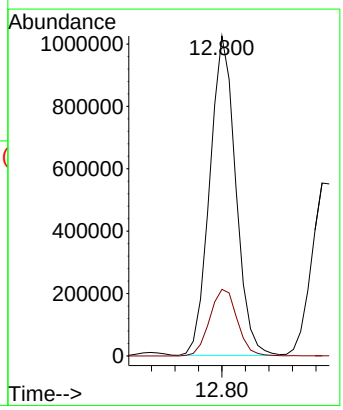


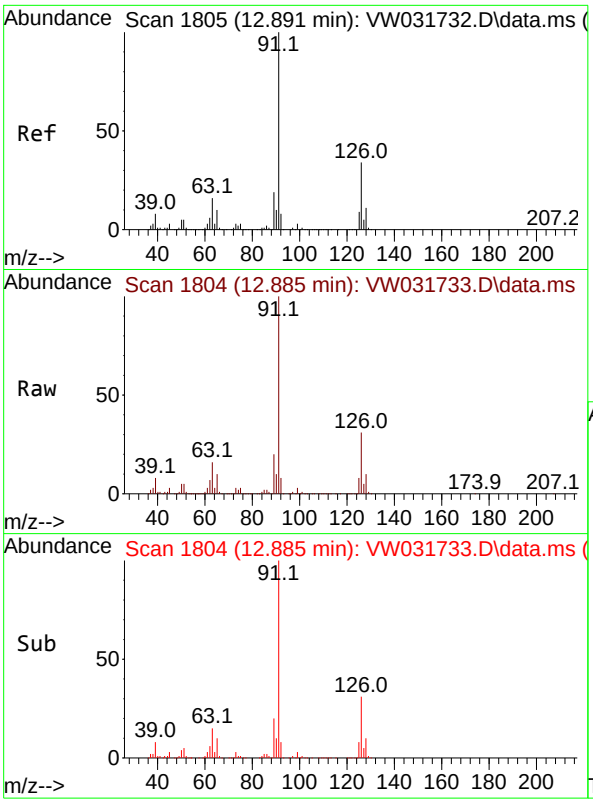


#78
n-propylbenzene
Concen: 103.933 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 1572731

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4



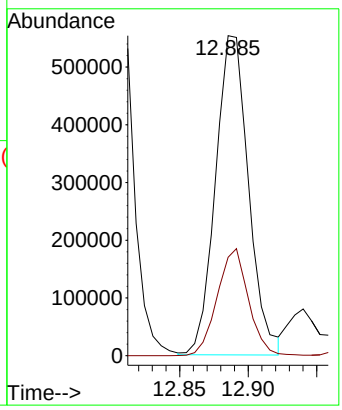


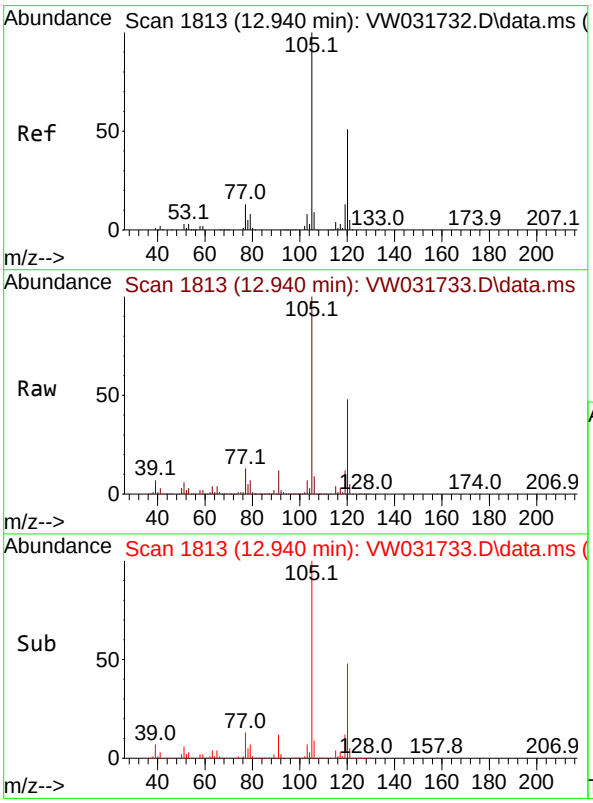
#79
2-Chlorotoluene
Concen: 102.084 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 930210

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.8	47.4

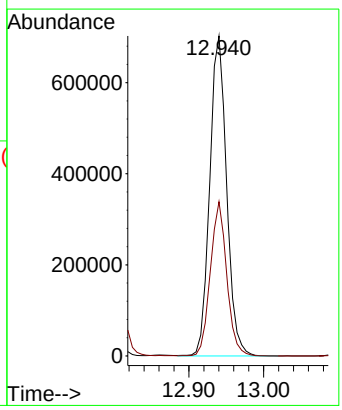


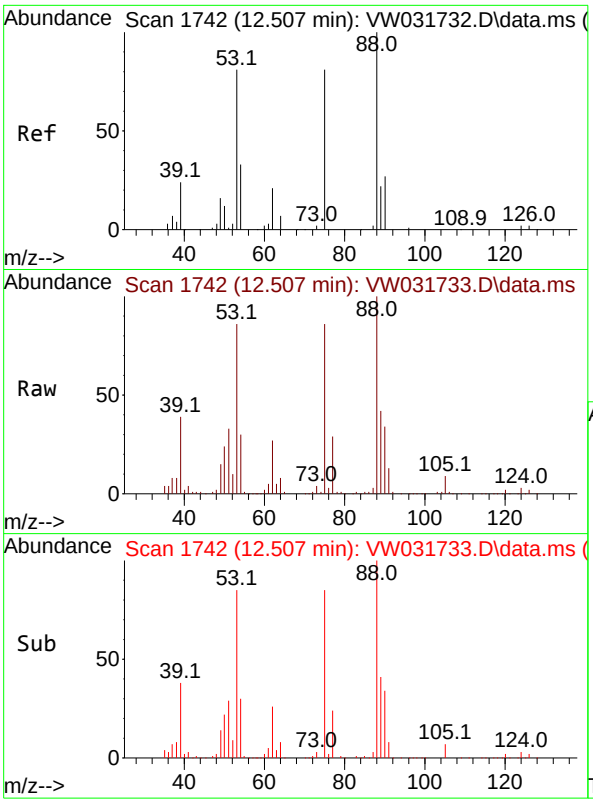


#80
1,3,5-Trimethylbenzene
Concen: 105.277 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 1101203

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.8	71.2



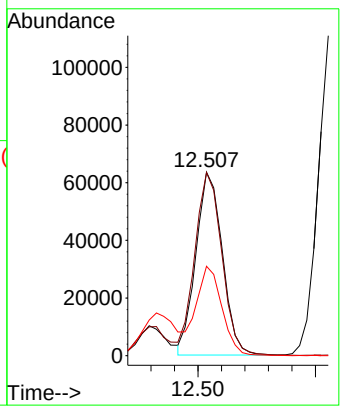


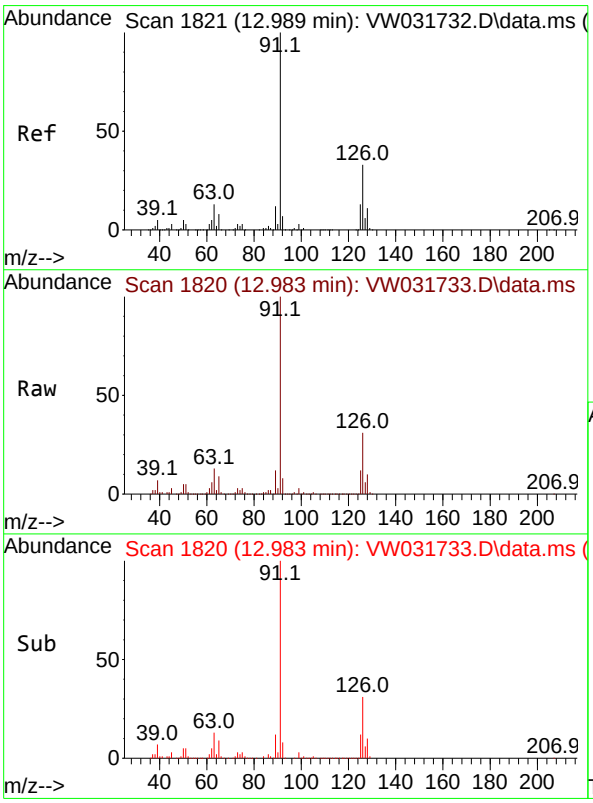
#81
trans-1,4-Dichloro-2-butene
Concen: 107.660 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 99233

Ion	Ratio	Lower	Upper
75	100		
53	102.5	83.5	125.3
89	49.9	38.3	57.5

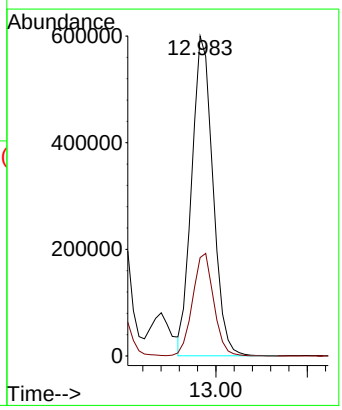


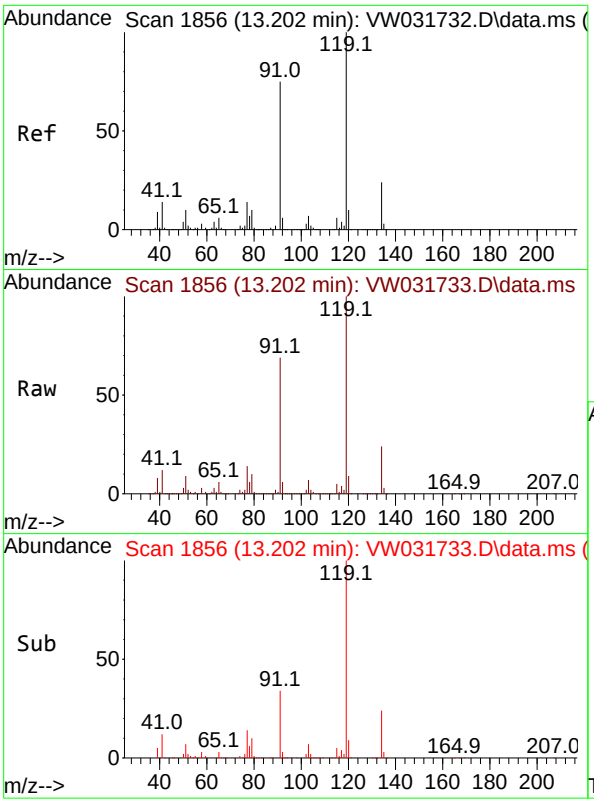


#82
4-Chlorotoluene
Concen: 100.758 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 91 Resp: 963920

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9



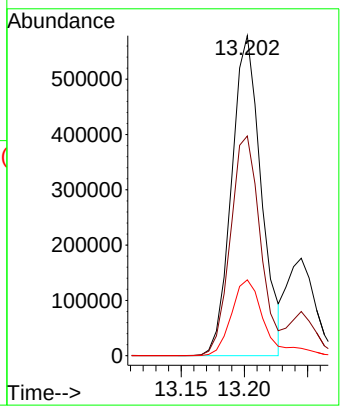


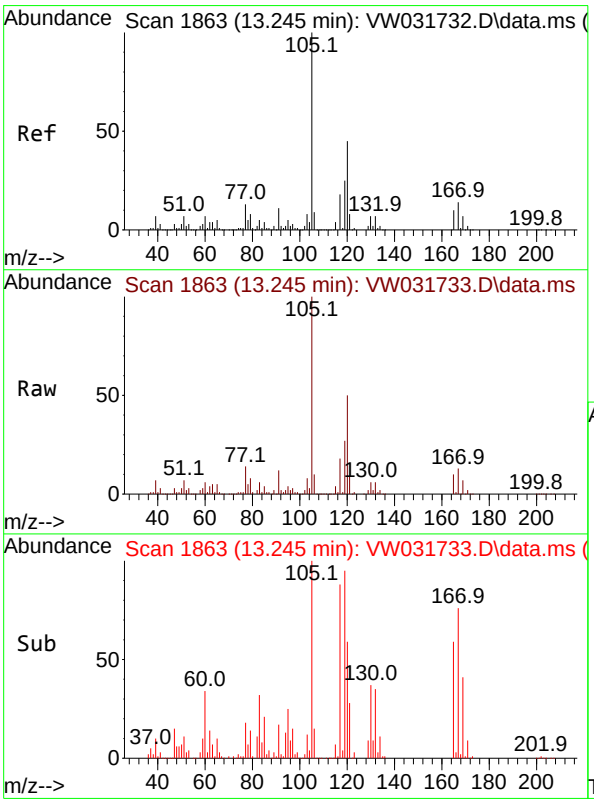
#83
tert-Butylbenzene
Concen: 105.234 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 942890

Ion	Ratio	Lower	Upper
119	100		
91	69.1	36.0	108.1
134	26.6	12.4	37.2

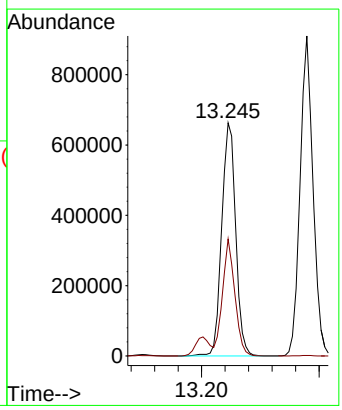


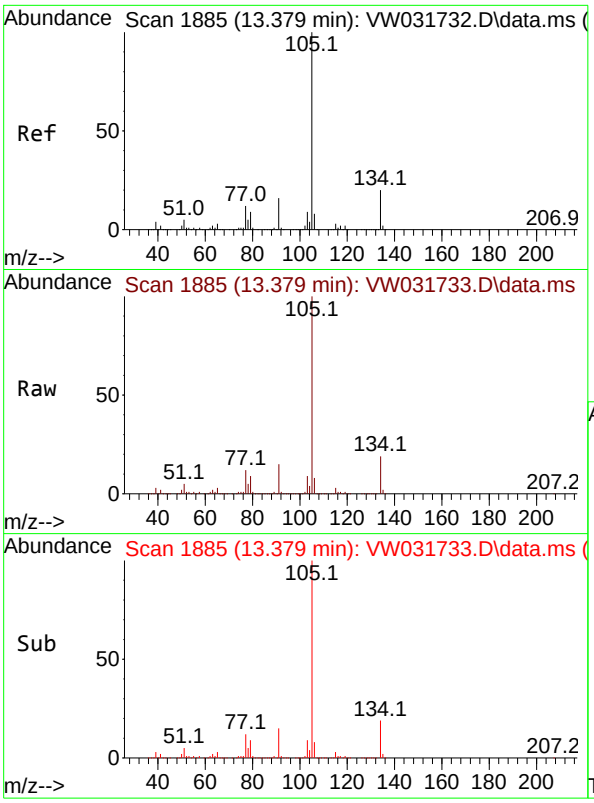


#84
1,2,4-Trimethylbenzene
Concen: 103.202 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:105 Resp: 1093757

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



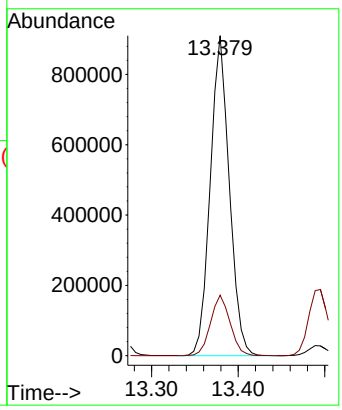


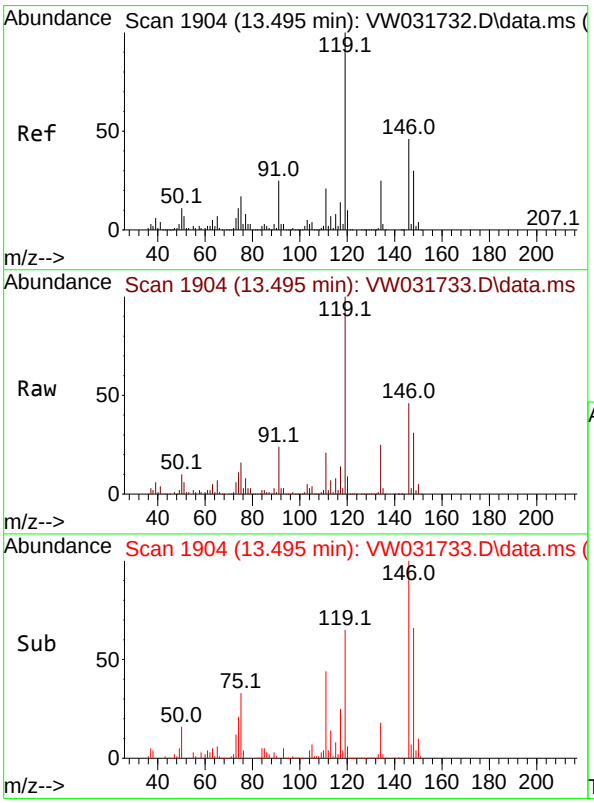
#85
sec-Butylbenzene
Concen: 103.396 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1390528

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8

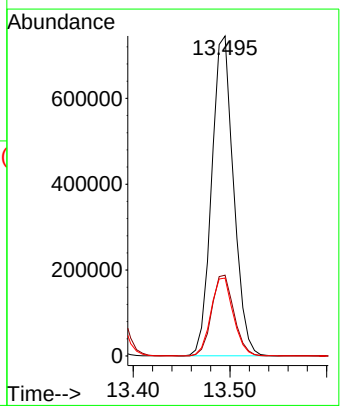


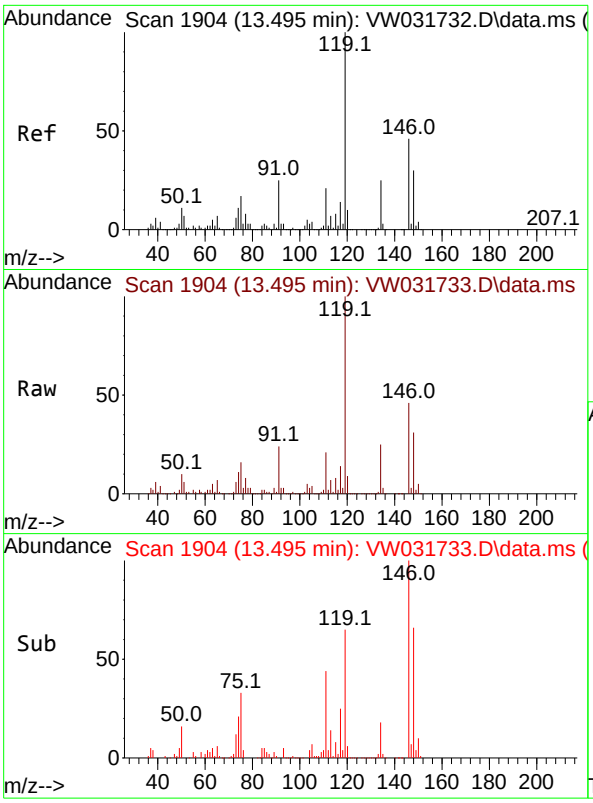


#86
p-Isopropyltoluene
Concen: 105.431 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:119 Resp: 1168552

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.7
91	25.1	12.7	38.0



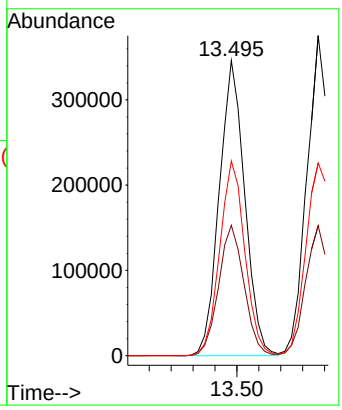


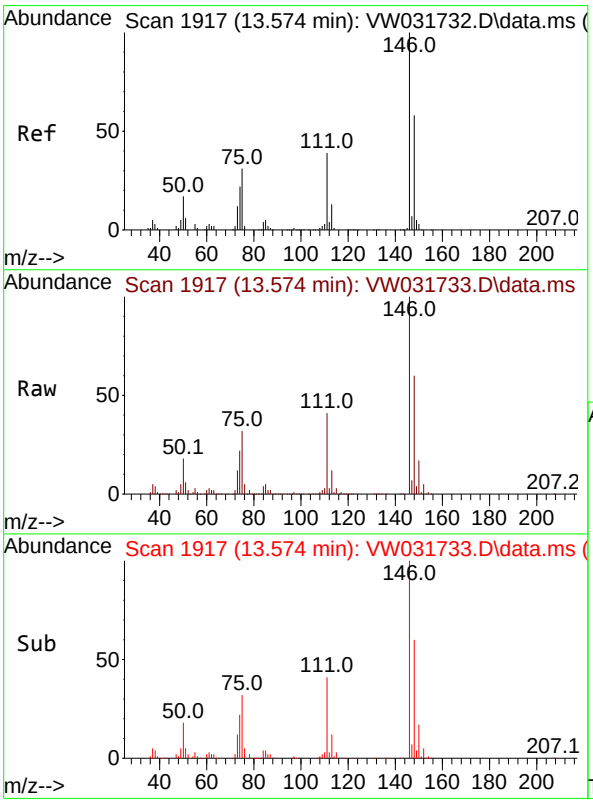
#87
1,3-Dichlorobenzene
Concen: 98.818 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 558538

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.3	66.9
148	65.1	31.8	95.4

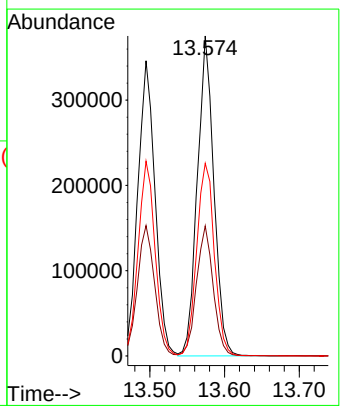


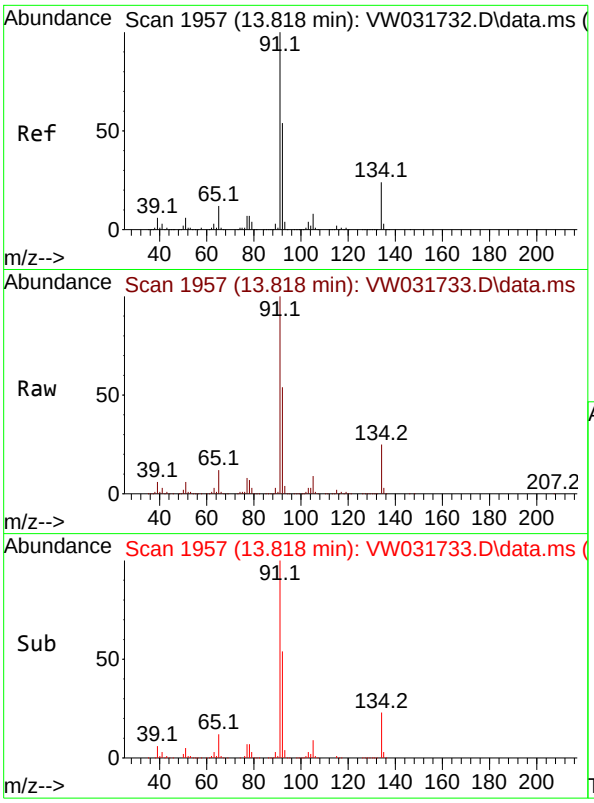


#88
1,4-Dichlorobenzene
Concen: 99.669 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:146 Resp: 576612

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.2	30.2	90.6



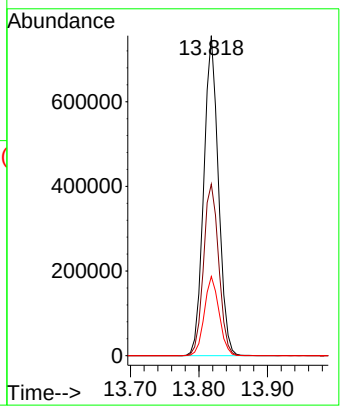


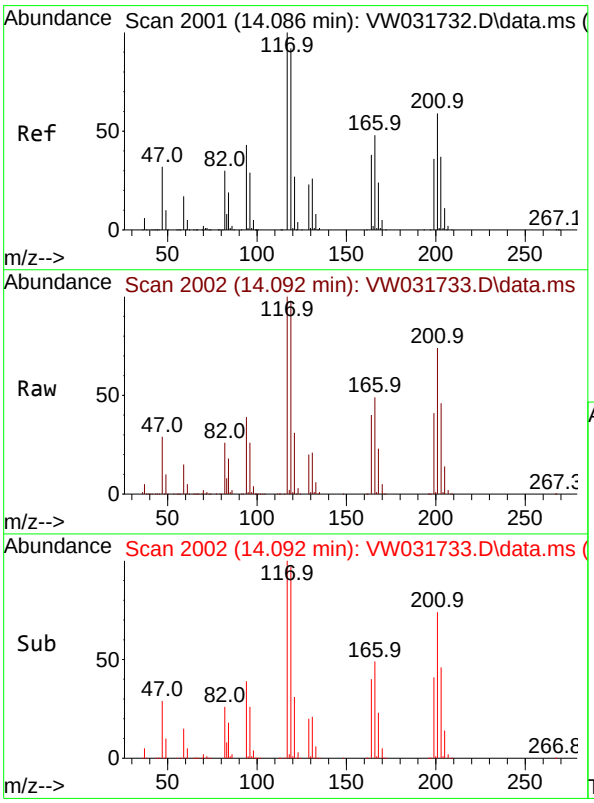
#89
n-Butylbenzene
Concen: 104.566 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1126053

Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.2	81.5
134	24.9	12.2	36.6

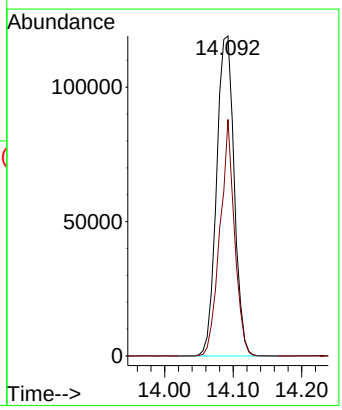


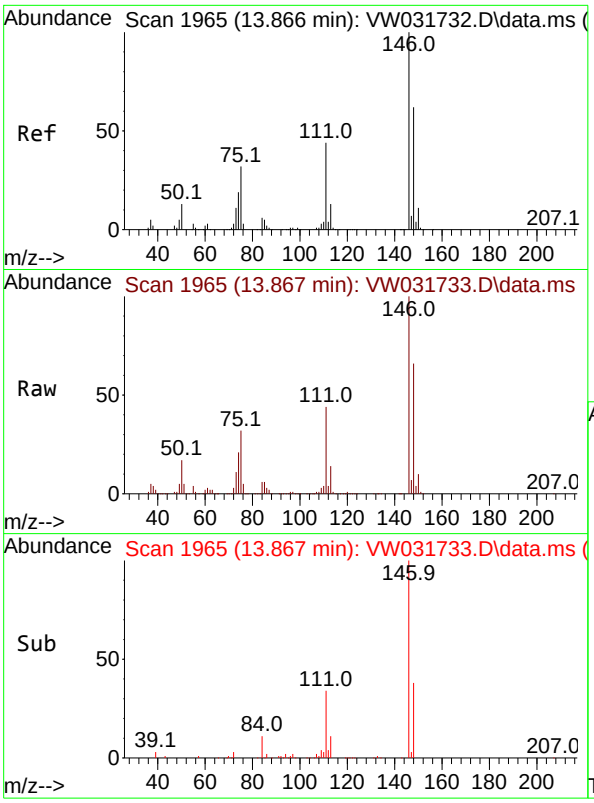


#90
Hexachloroethane
Concen: 105.958 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:117 Resp: 211871

Ion	Ratio	Lower	Upper
117	100		
201	61.1	31.1	93.3



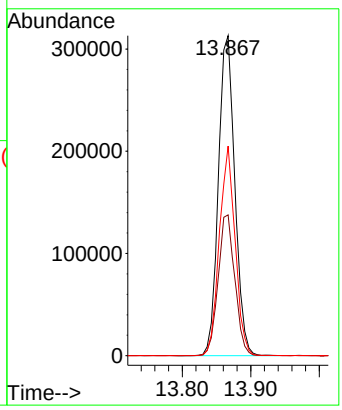


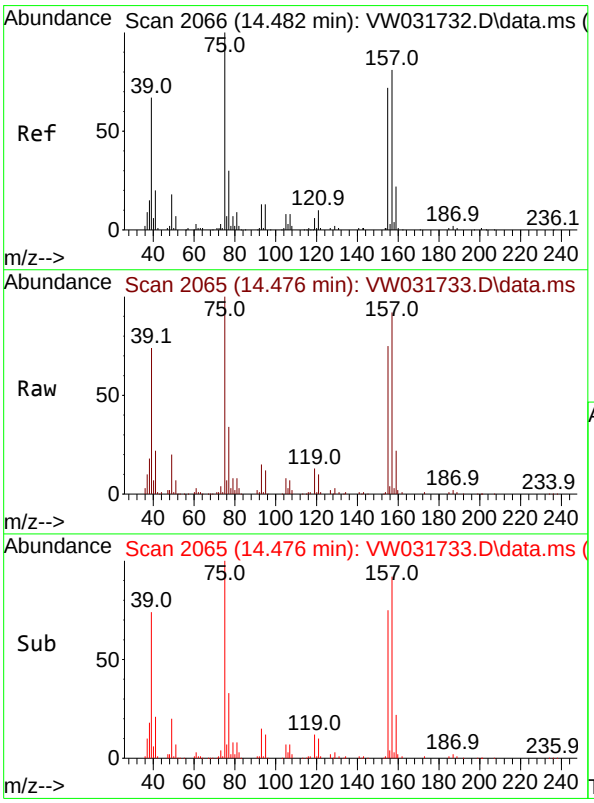
#91
1,2-Dichlorobenzene
Concen: 100.530 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 519347

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.7	65.1
148	63.1	29.8	89.5

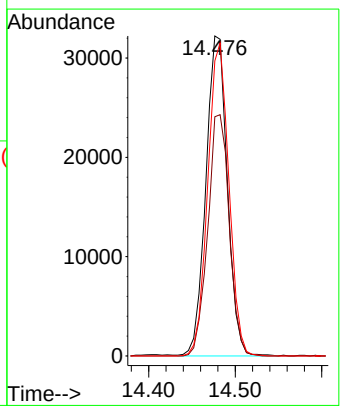


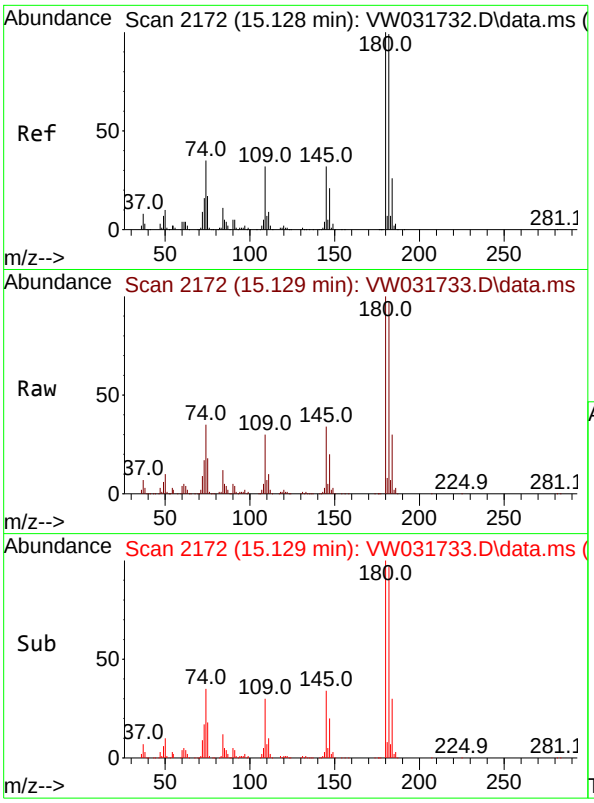


#92
1,2-Dibromo-3-Chloropropane
Concen: 101.247 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion: 75 Resp: 55462

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.2	111.6
157	95.9	45.6	136.9



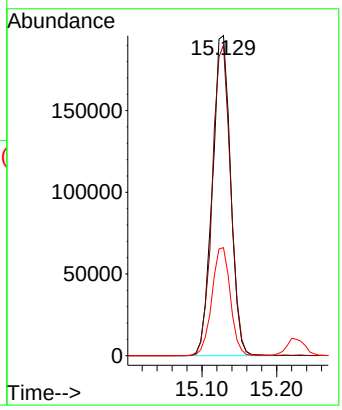


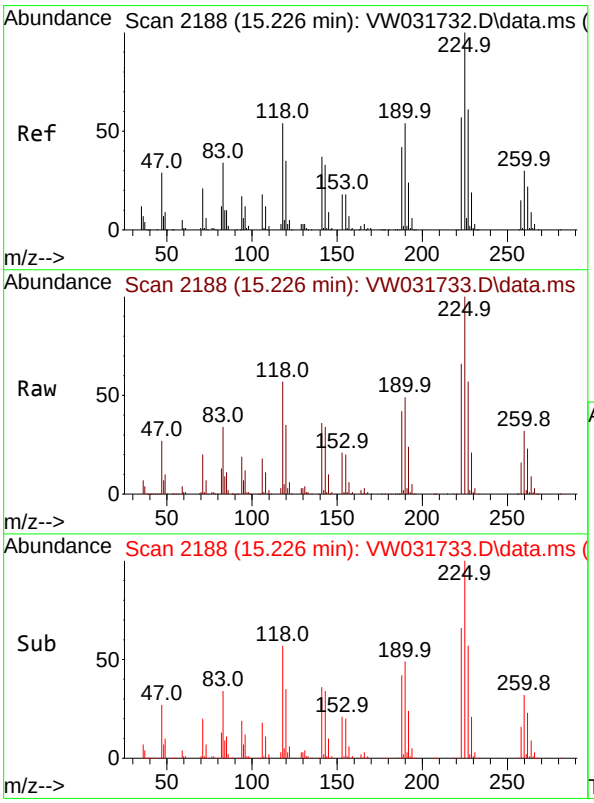
#93
1,2,4-Trichlorobenzene
Concen: 104.240 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 332108

Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.6	145.9
145	34.2	17.3	51.7

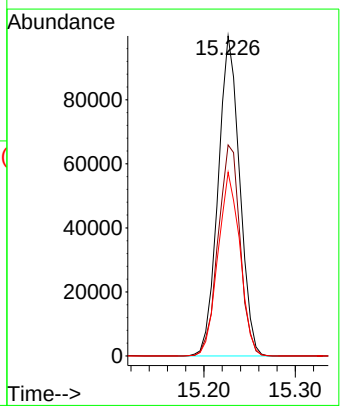


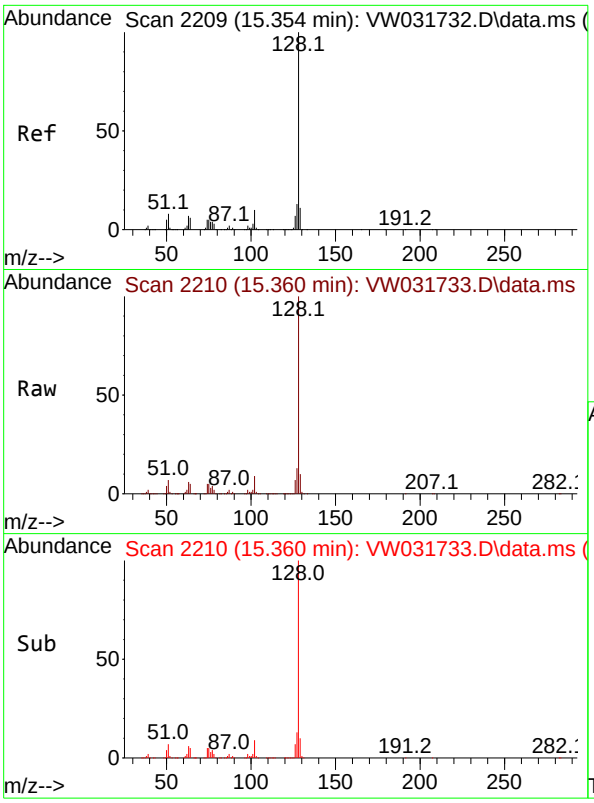


#94
Hexachlorobutadiene
Concen: 106.542 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:225 Resp: 163909

Ion	Ratio	Lower	Upper
225	100		
223	67.1	32.6	97.8
227	58.6	37.3	111.8



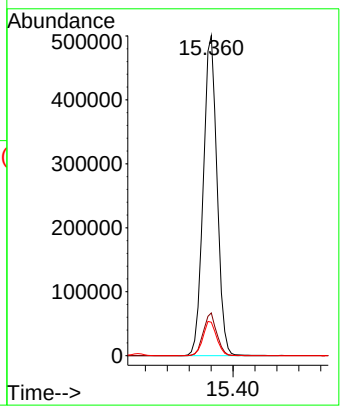


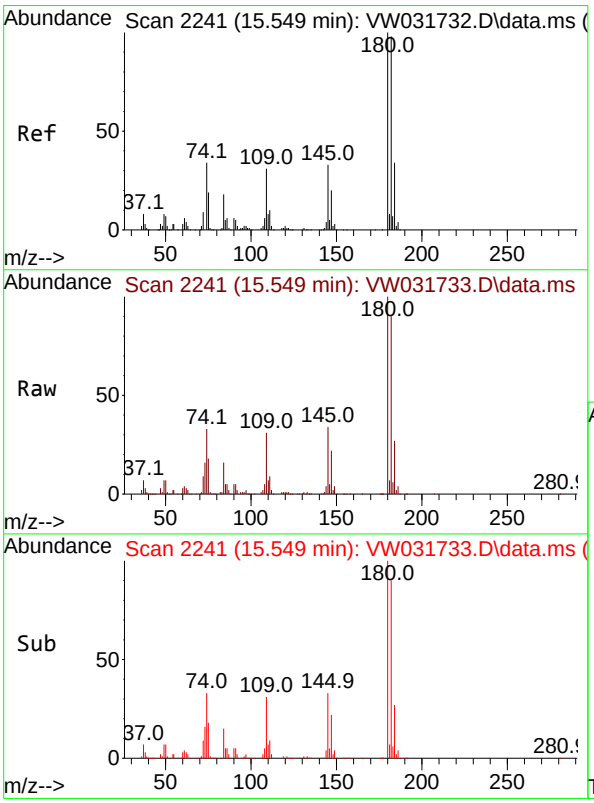
#95
Naphthalene
Concen: 111.042 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 867343

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.7	8.7	13.1

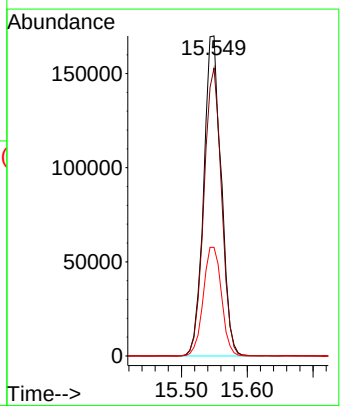




#96
1,2,3-Trichlorobenzene
Concen: 107.170 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031733.D
Acq: 30 Jun 2025 12:34

Tgt Ion:180 Resp: 313738

Ion	Ratio	Lower	Upper
180	100		
182	91.1	46.4	139.1
145	35.4	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l		99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l		99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l		100
44) Trichloroethene	9.099	130	424322	152.358	ug/l		99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l		98
46) Dibromomethane	9.465	93	251060	144.196	ug/l		99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l		99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l		99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l		99
52) Toluene	10.392	92	1076709	150.709	ug/l		95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l		97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l		99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l		100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l		99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l		98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l		98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l		92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l		99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l		94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l		98
69) o-Xylene	12.166	106	743731	159.389	ug/l		99
70) Styrene	12.178	104	1266593	157.015	ug/l		99
71) Bromoform	12.349	173	229439	159.639	ug/l	#	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l		99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	535167	262.349	ug/l		40
77) Bromobenzene	12.745	156	427085	159.479	ug/l		88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l		100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l		98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l		98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l		96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l		99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l		99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l		96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l		99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l		97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l		93
95) Naphthalene	15.360	128	1256199	169.258	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

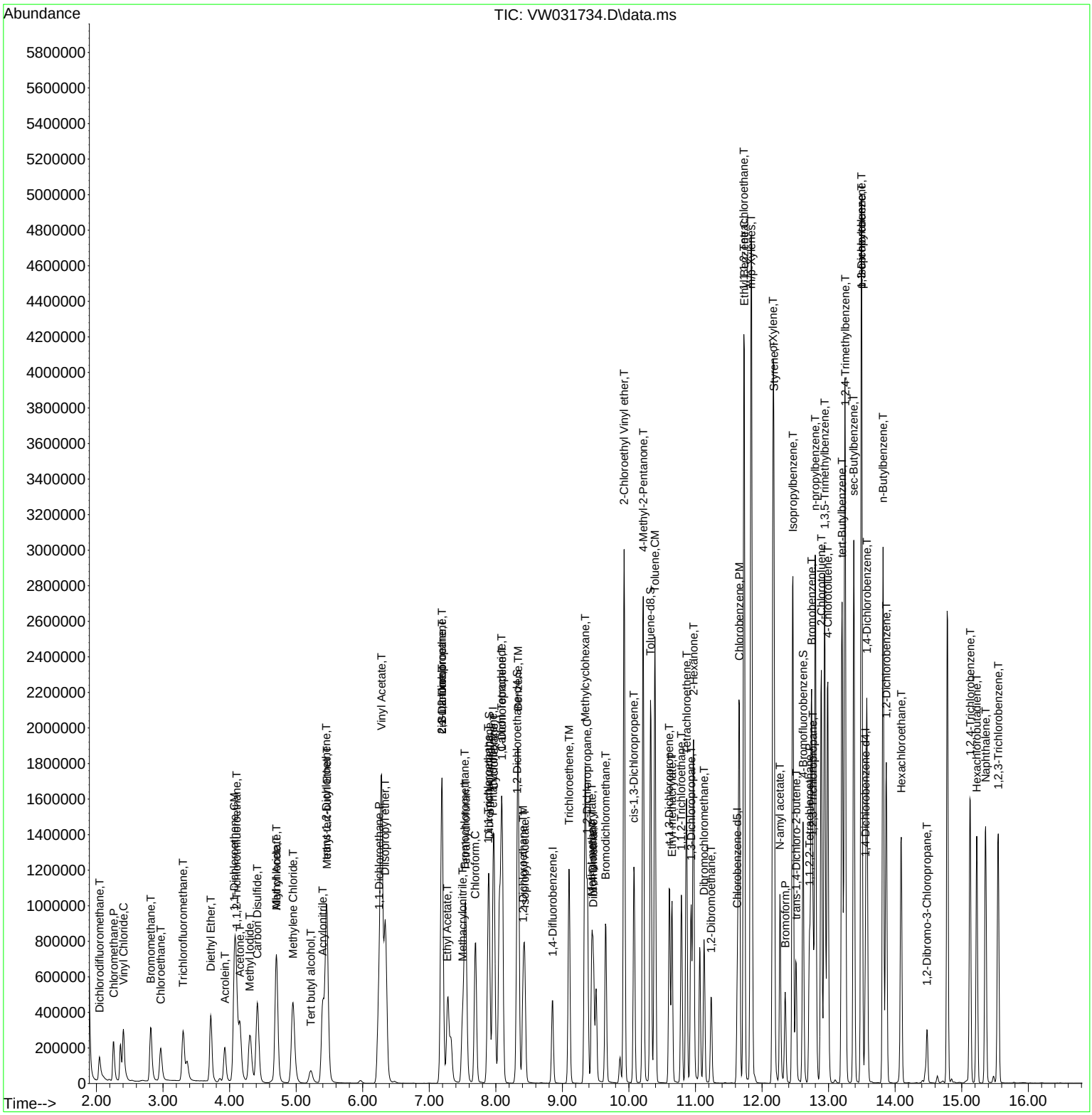
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

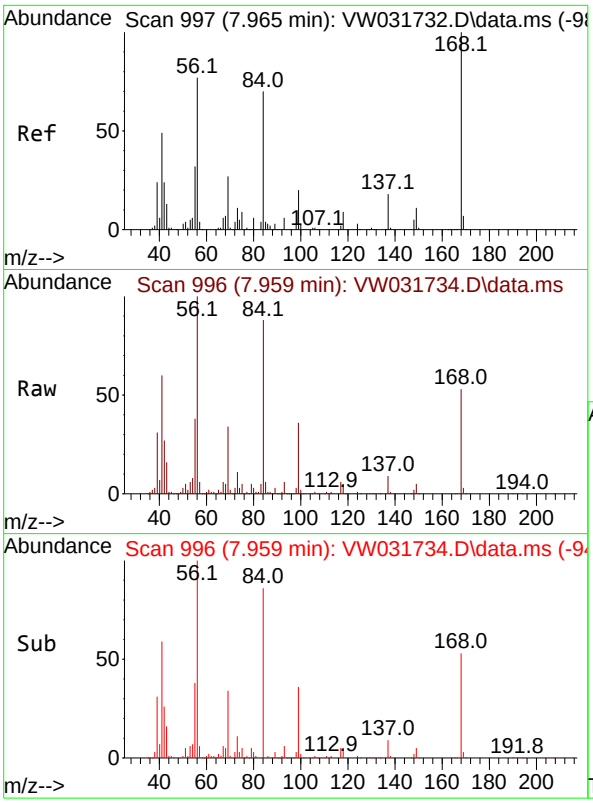
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
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 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



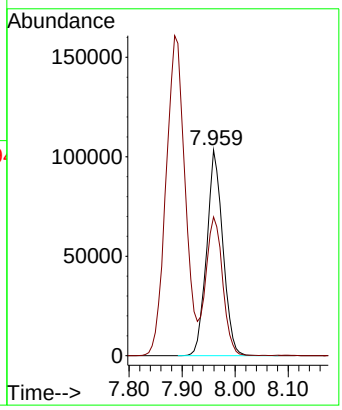


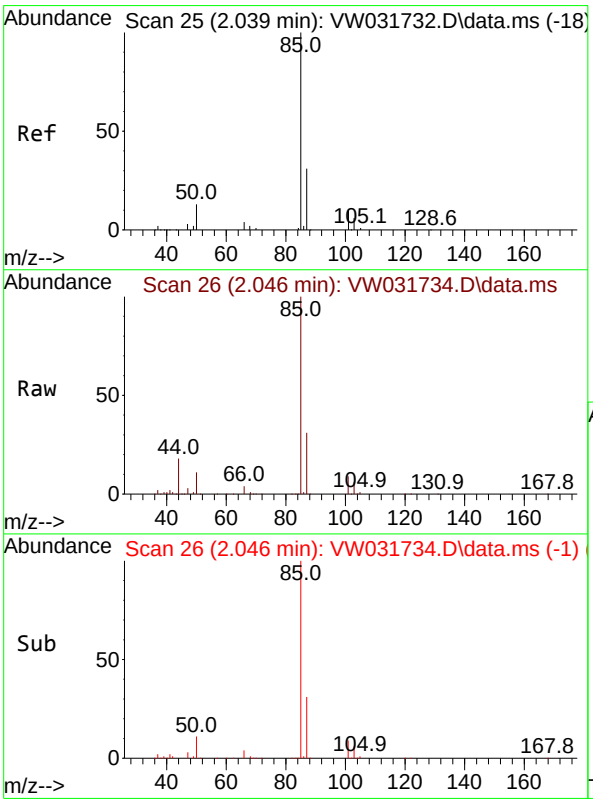
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 218767

Ion	Ratio	Lower	Upper
168	100		
99	67.2	49.4	74.2

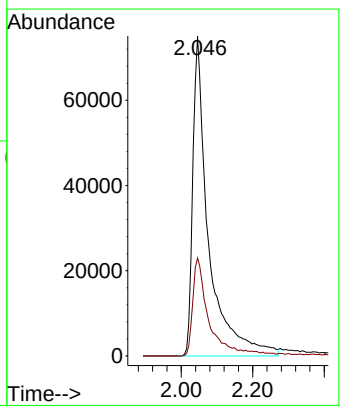


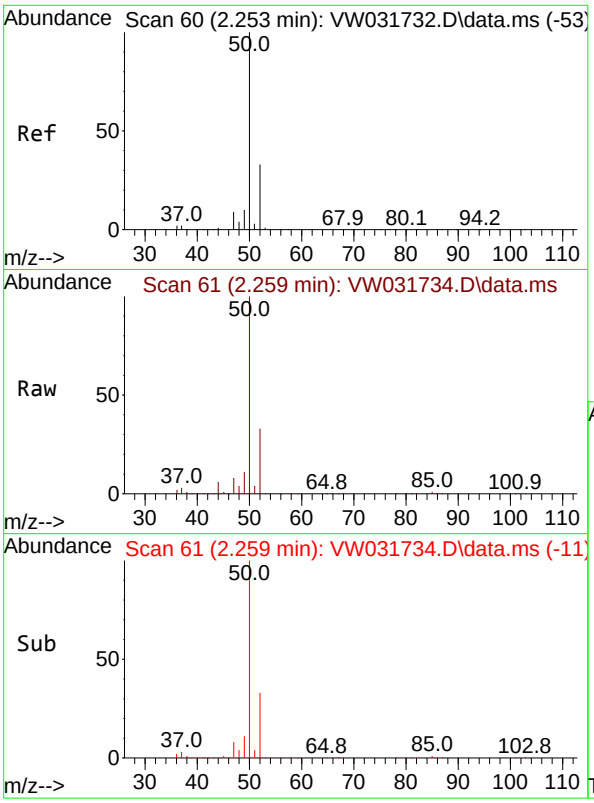


#2
Dichlorodifluoromethane
Concen: 154.434 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 85 Resp: 230089

Ion	Ratio	Lower	Upper
85	100		
87	30.6	15.4	46.2



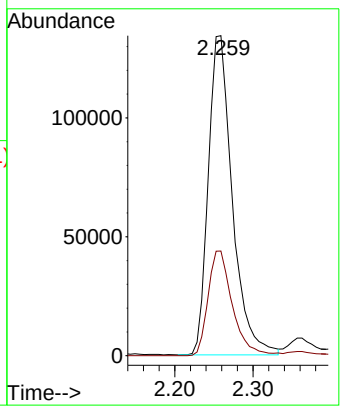


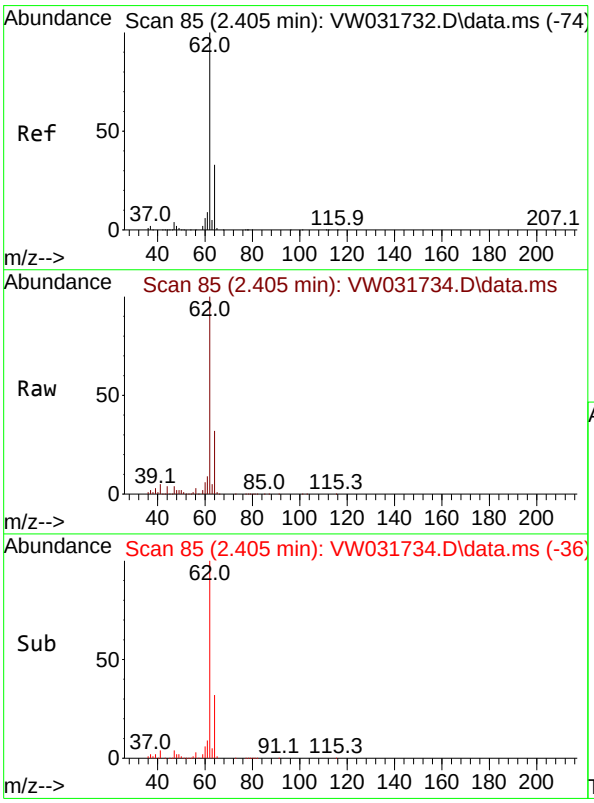
#3
Chloromethane
Concen: 159.372 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 286265

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.2

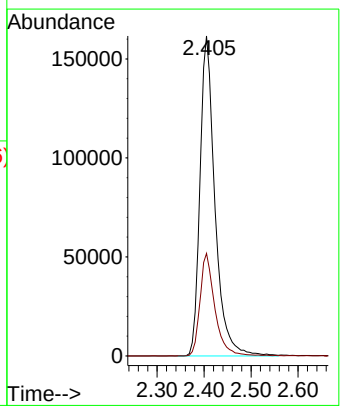


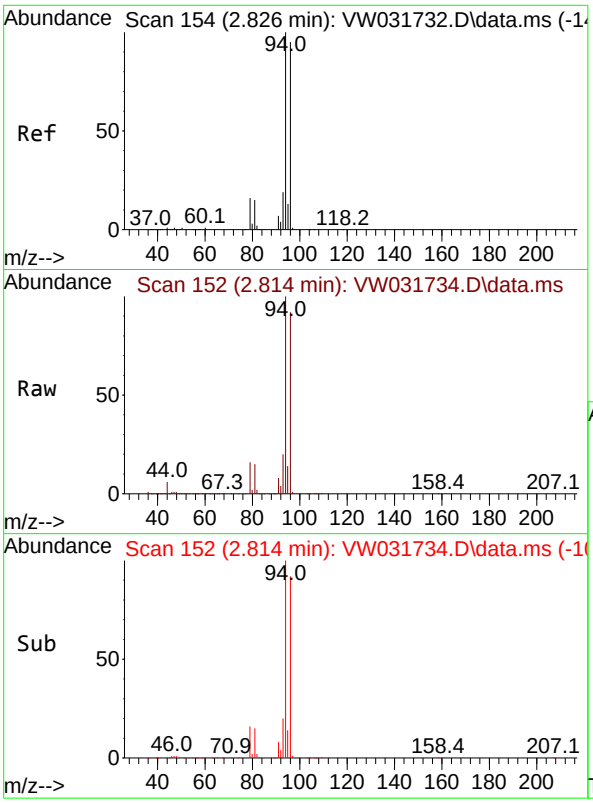


#4
Vinyl Chloride
Concen: 151.812 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 62 Resp: 358412

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.8	40.2



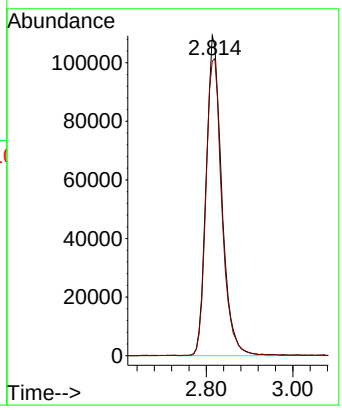


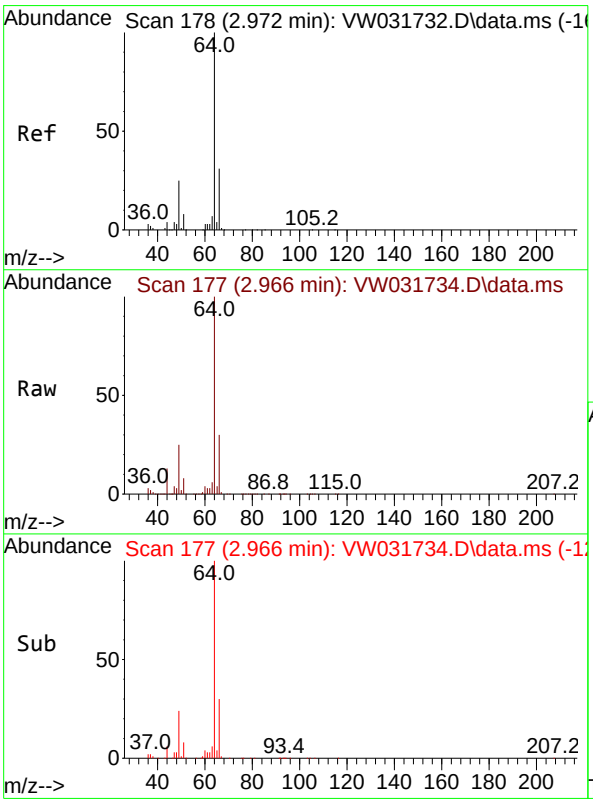
#5
Bromomethane
Concen: 148.641 ug/l
RT: 2.814 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 274101

Ion	Ratio	Lower	Upper
94	100		
96	92.0	75.6	113.4

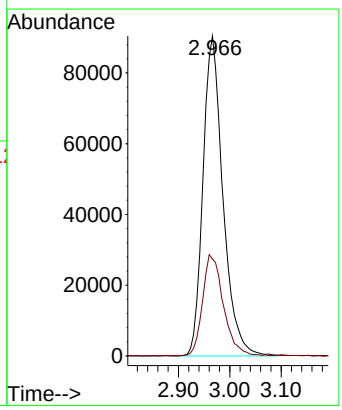


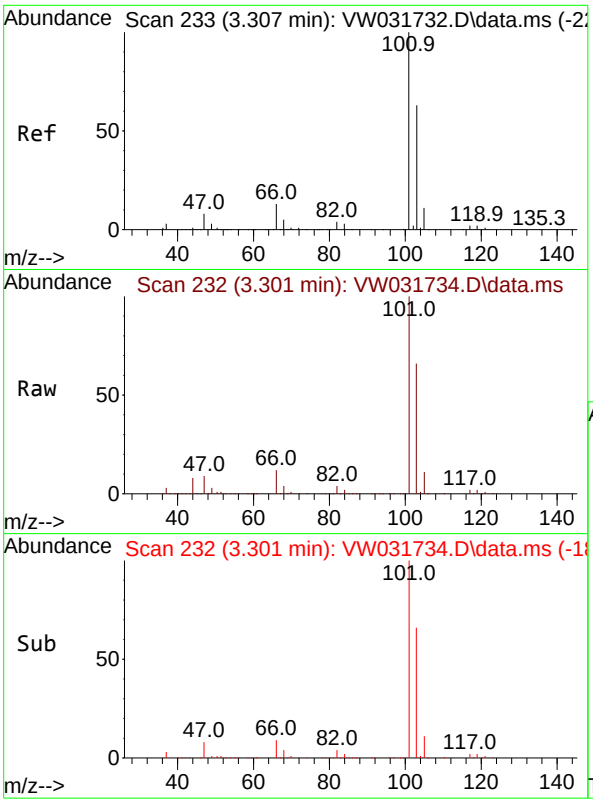


#6
Chloroethane
Concen: 152.312 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 64 Resp: 244261

Ion	Ratio	Lower	Upper
64	100		
66	30.2	24.5	36.7



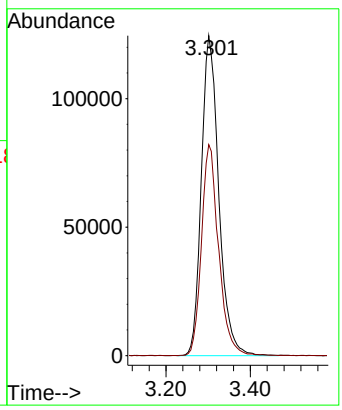


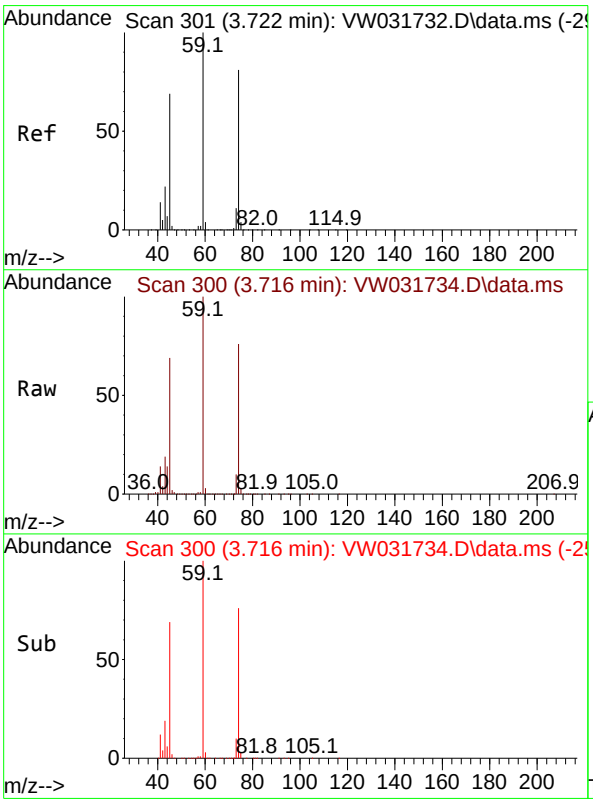
#7
Trichlorofluoromethane
Concen: 167.089 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 358255

Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.2	75.4

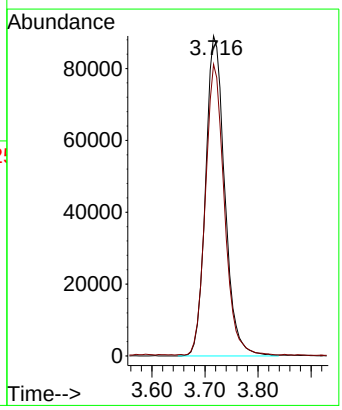


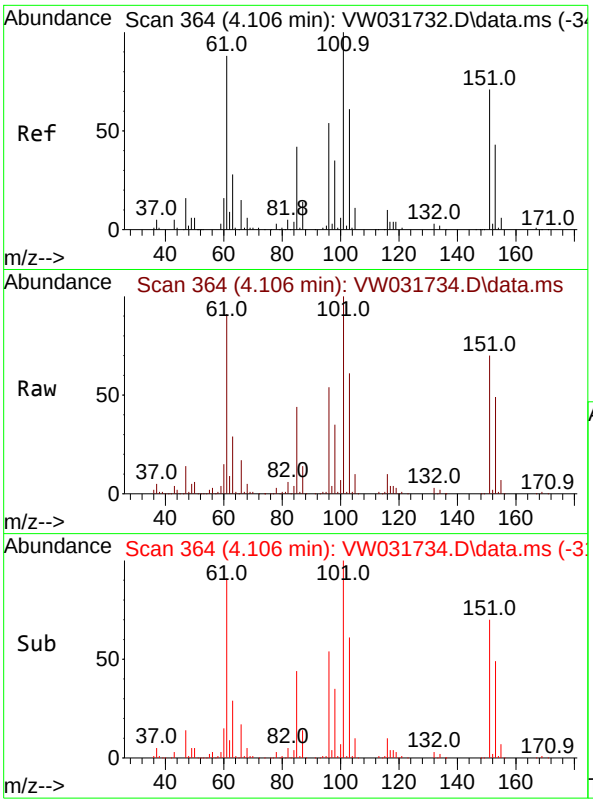


#8
Diethyl Ether
Concen: 137.038 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 74 Resp: 223268

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7



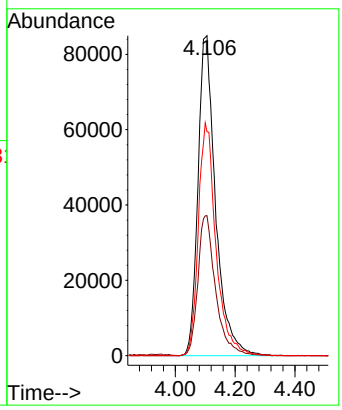


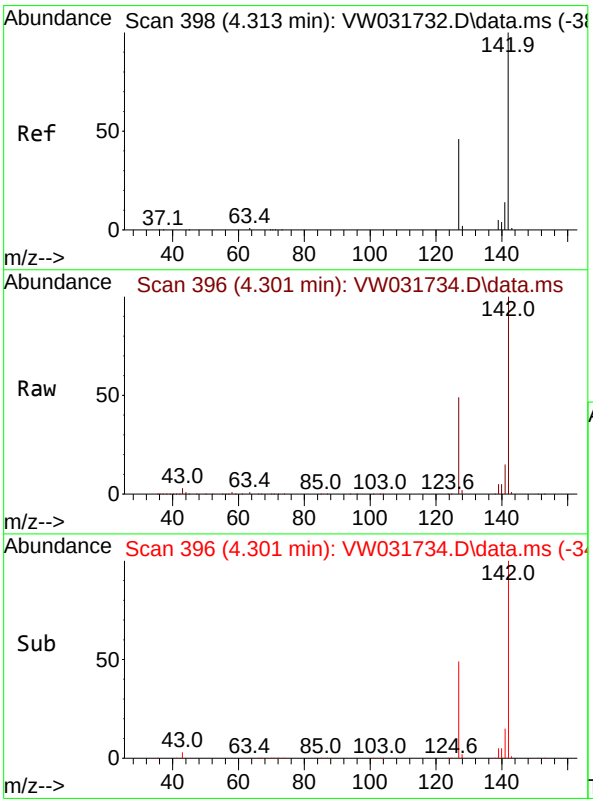
#9
1,1,2-Trichlorotrifluoroethane
Concen: 146.081 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 347651

Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.6	53.4
151	72.9	56.8	85.2

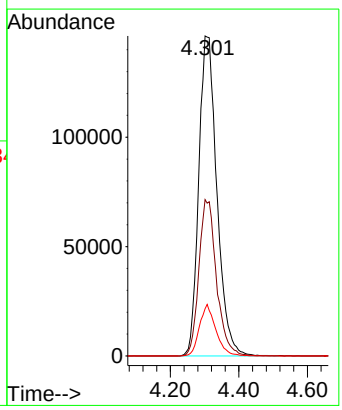


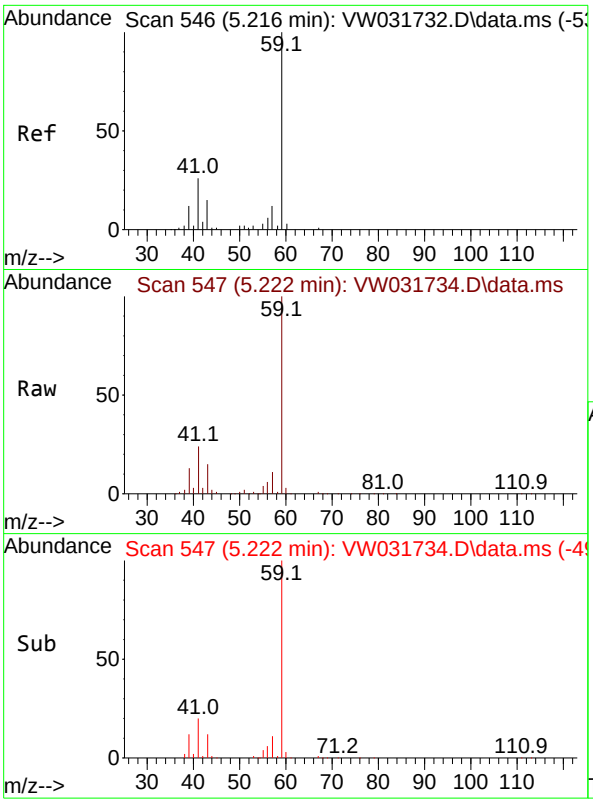


#10
Methyl Iodide
Concen: 146.918 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:142 Resp: 539018

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.9	56.9
141	14.6	11.7	17.5



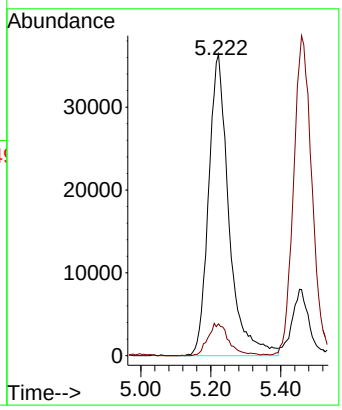


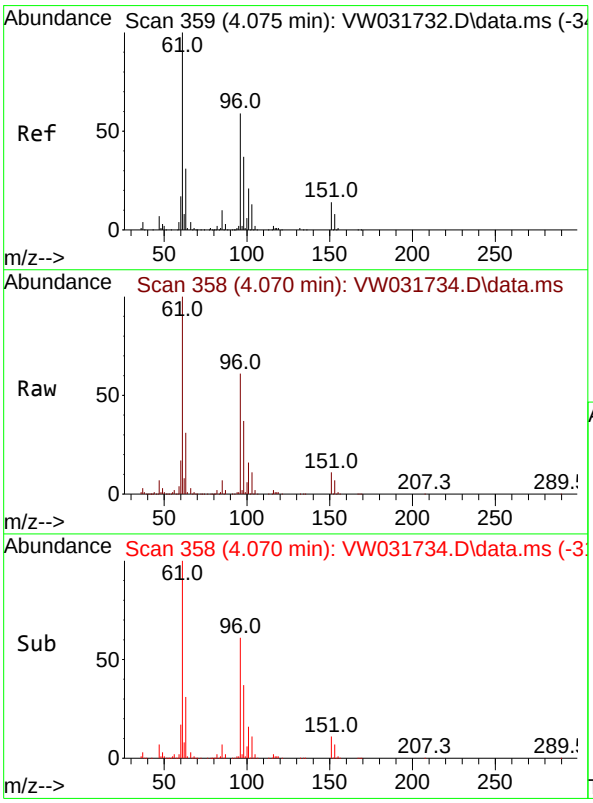
#11
Tert butyl alcohol
Concen: 754.362 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 146727

Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.5	14.3

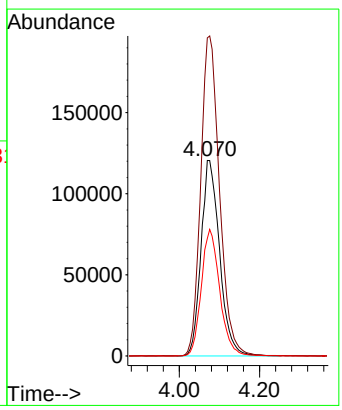


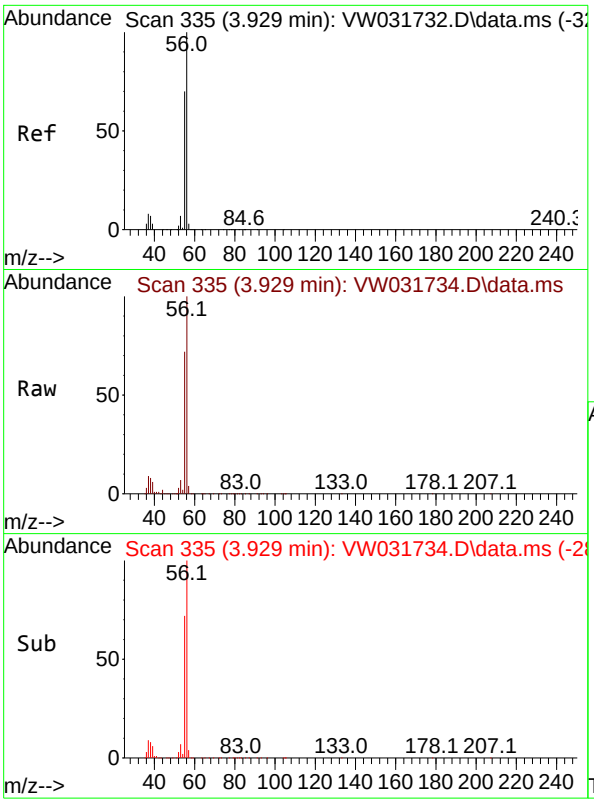


#12
1,1-Dichloroethene
Concen: 148.119 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 96 Resp: 386108

Ion	Ratio	Lower	Upper
96	100		
61	162.8	135.8	203.8
98	60.0	50.4	75.6



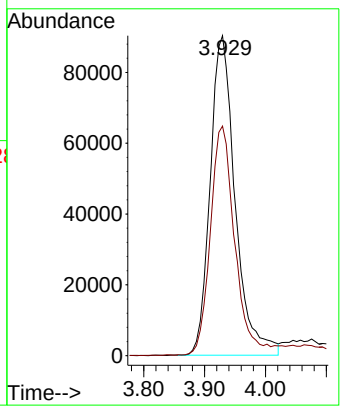


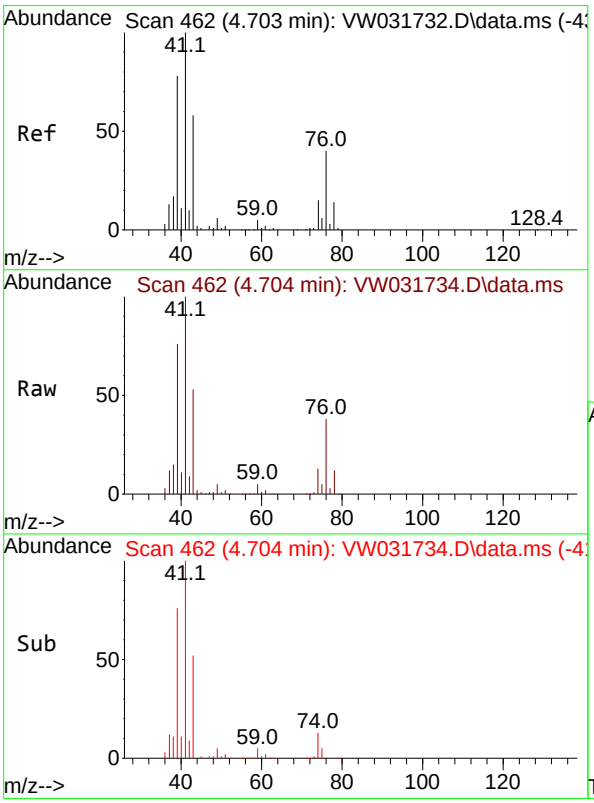
#13
Acrolein
Concen: 735.736 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 257205

Ion	Ratio	Lower	Upper
56	100		
55	70.6	54.0	81.0

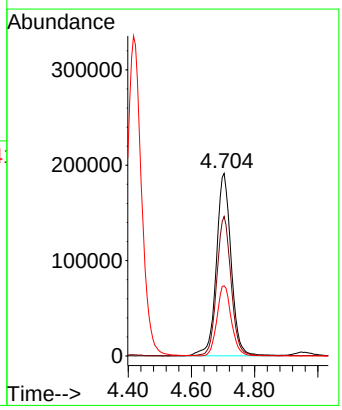


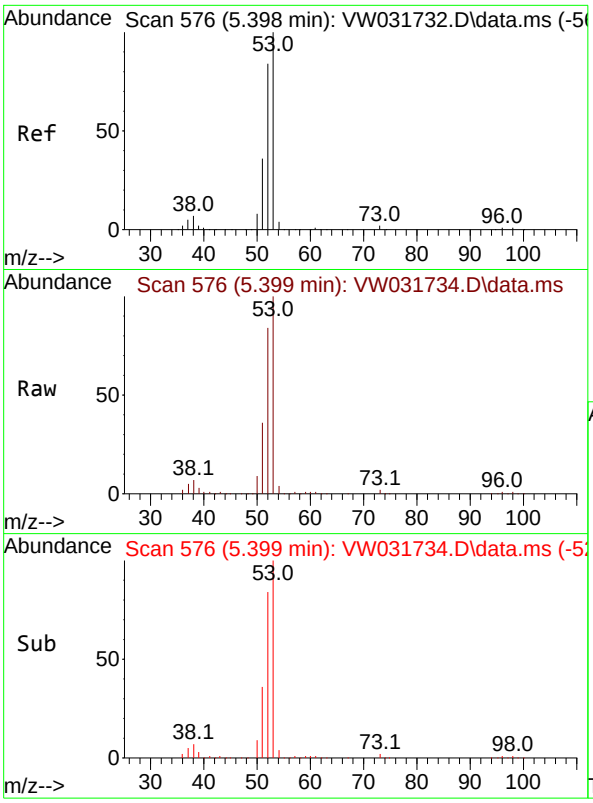


#14
Allyl chloride
Concen: 154.996 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 619915

Ion	Ratio	Lower	Upper
41	100		
39	74.3	60.7	91.1
76	37.2	30.3	45.5



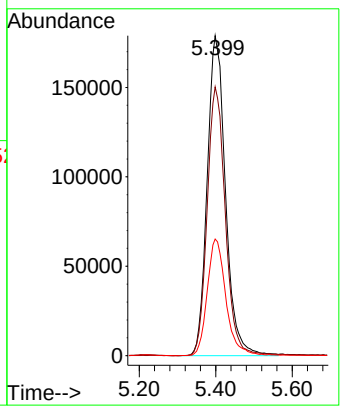


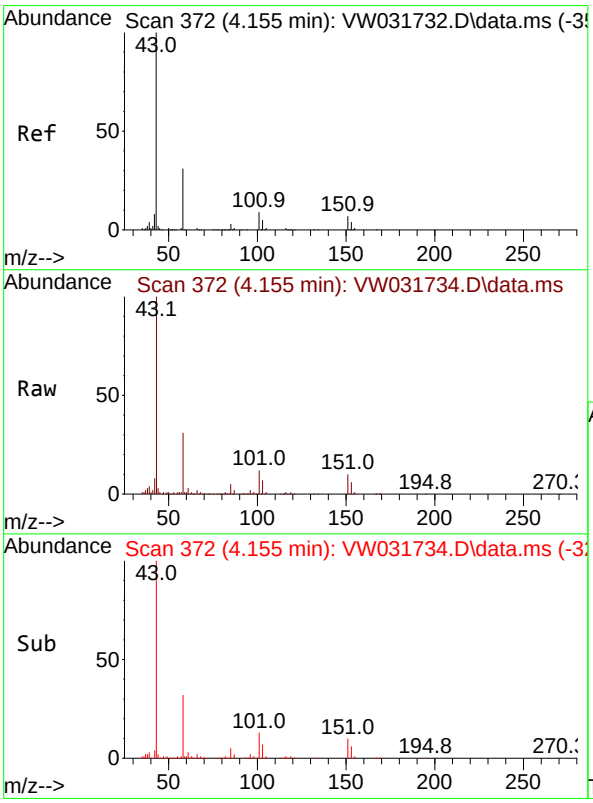
#15
Acrylonitrile
Concen: 742.391 ug/l
RT: 5.399 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 594796

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.4	99.6
51	37.2	29.9	44.9

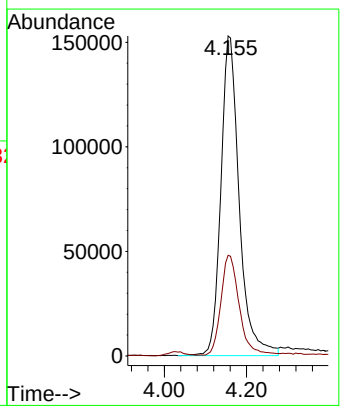


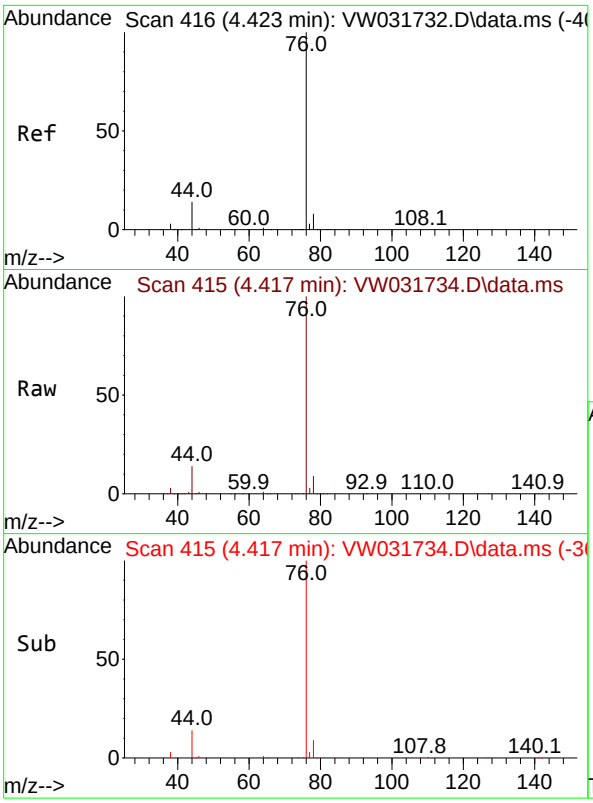


#16
Acetone
Concen: 606.303 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 473412

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.8	37.2



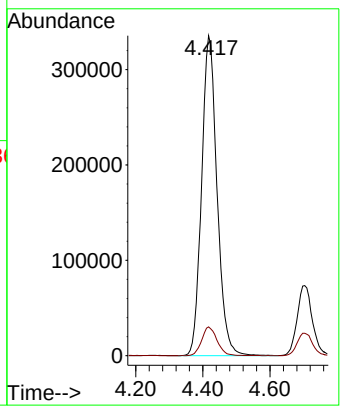


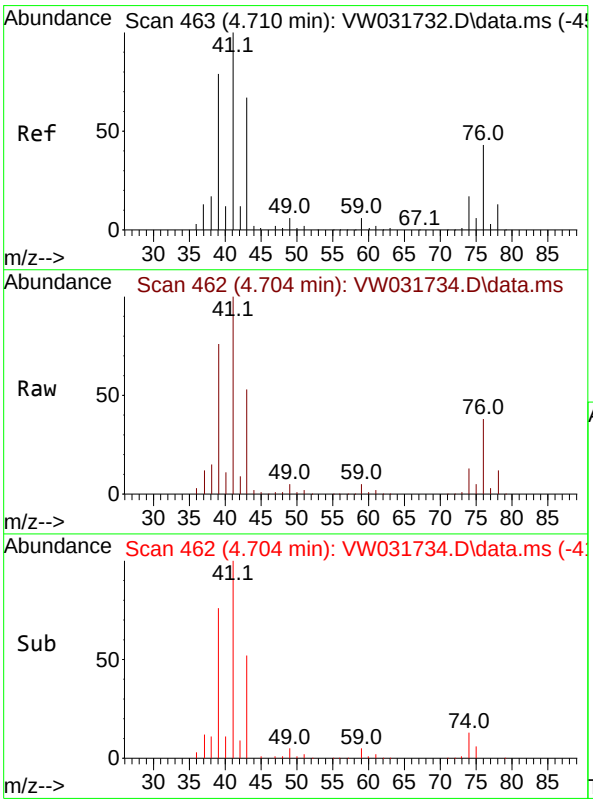
#17
Carbon Disulfide
Concen: 153.680 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1071989

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	10.0

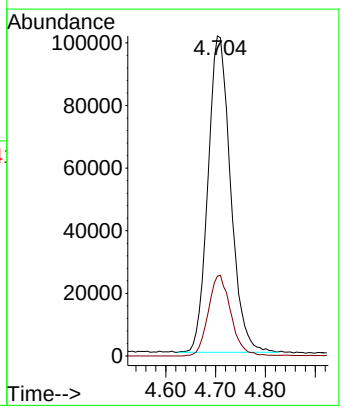


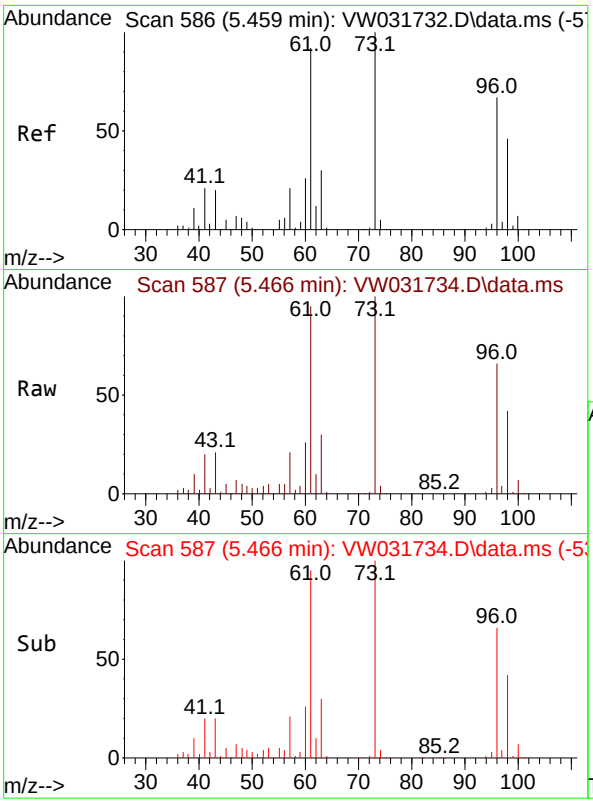


#18
Methyl Acetate
Concen: 143.565 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 318399

Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.6	30.8



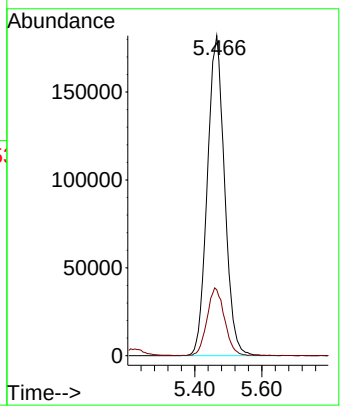


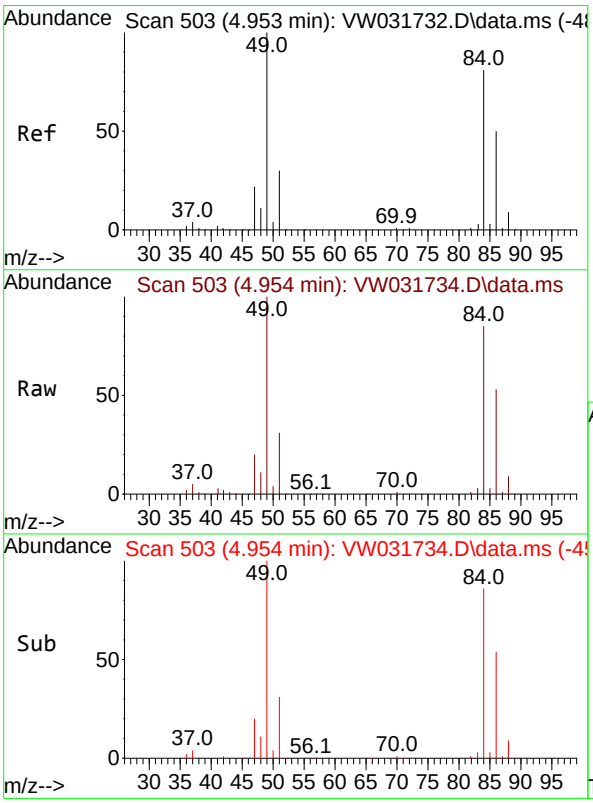
#19
Methyl tert-butyl Ether
Concen: 146.627 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 648742

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.2	25.8

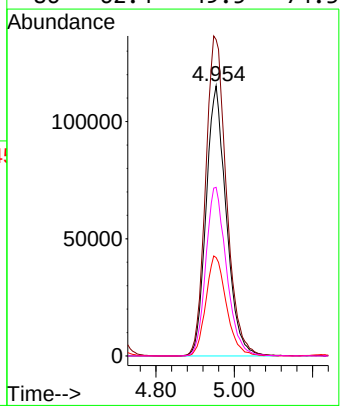


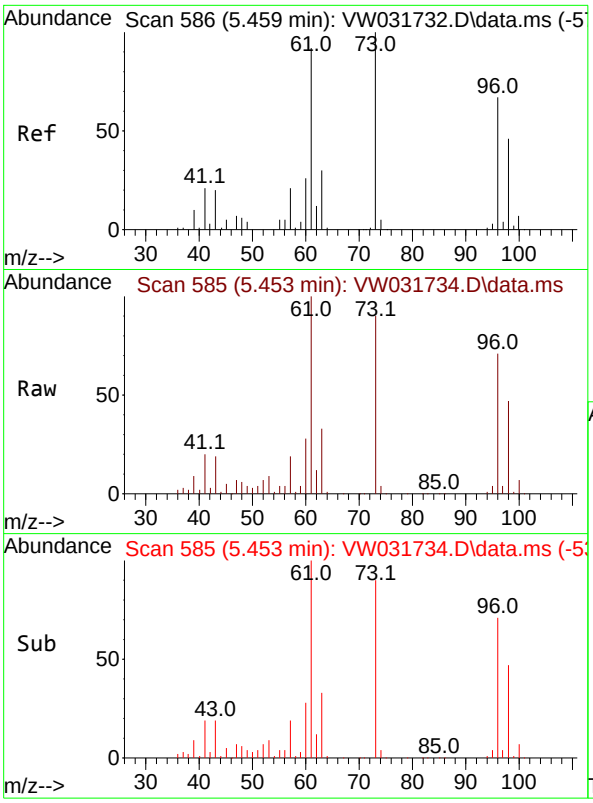


#20
Methylene Chloride
Concen: 150.156 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 84 Resp: 411070

Ion	Ratio	Lower	Upper
84	100		
49	117.1	98.2	147.4
51	36.5	29.8	44.8
86	62.4	49.5	74.3



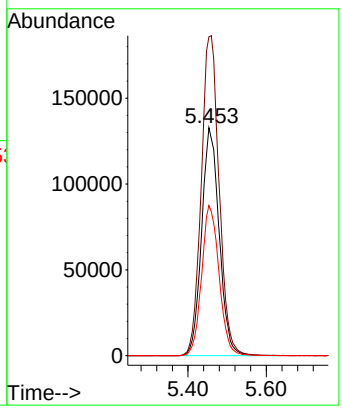


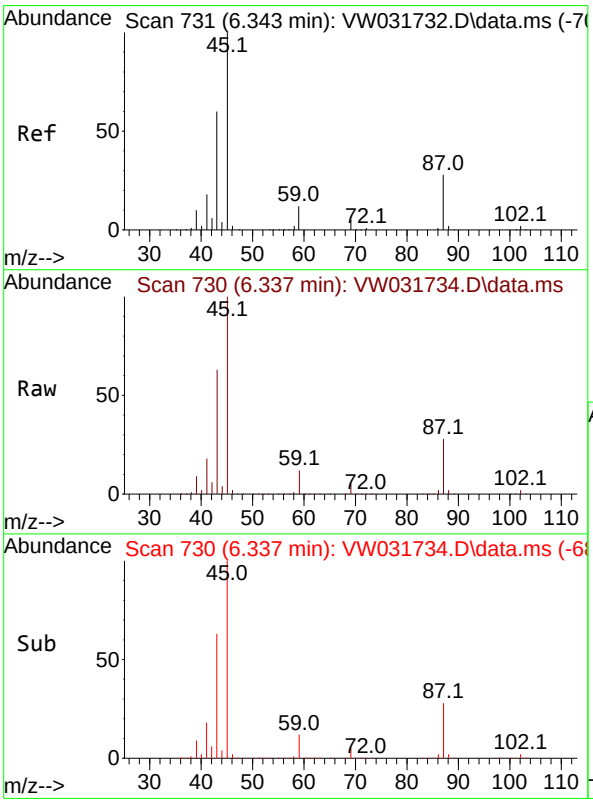
#21
trans-1,2-Dichloroethene
Concen: 149.107 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 412998

Ion	Ratio	Lower	Upper
96	100		
61	139.9	109.8	164.6
98	65.9	54.9	82.3

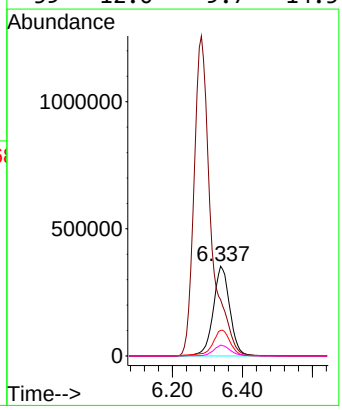


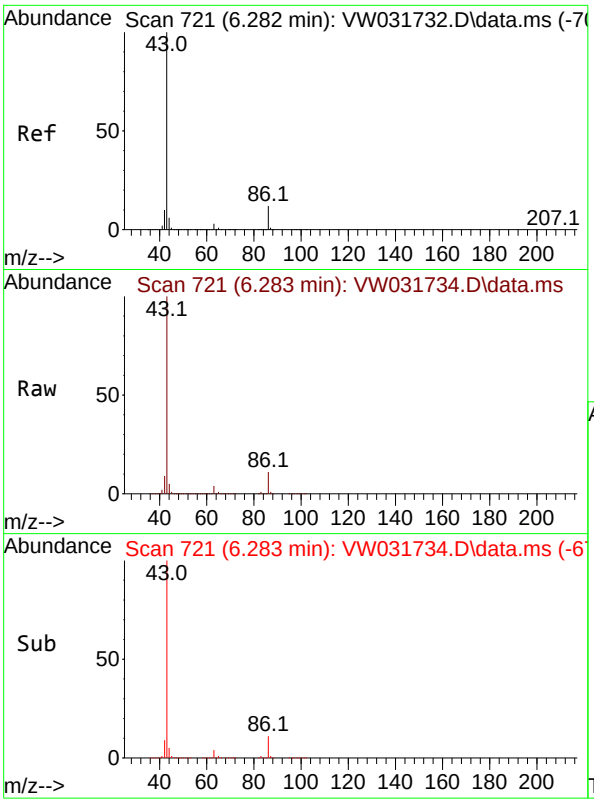


#22
Diisopropyl ether
Concen: 148.881 ug/l
RT: 6.337 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 45 Resp: 1161324

Ion	Ratio	Lower	Upper
45	100		
43	62.5	48.3	72.5
87	28.4	22.6	34.0
59	12.0	9.7	14.5



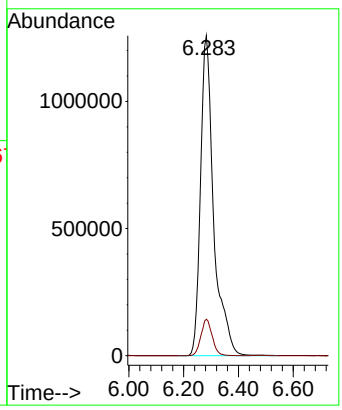


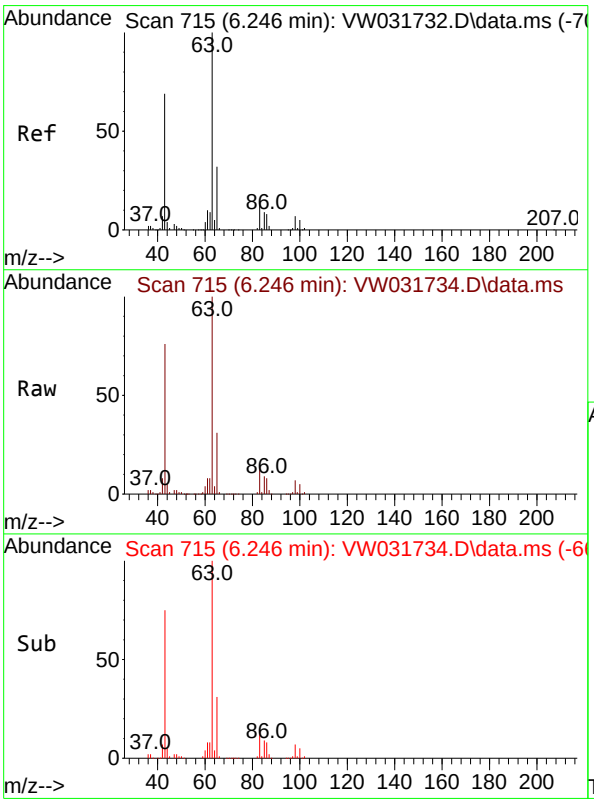
#23
Vinyl Acetate
Concen: 785.745 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4186413

Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.2	13.8

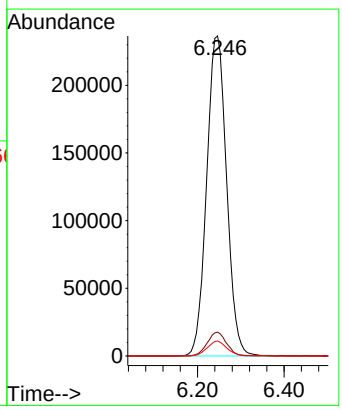


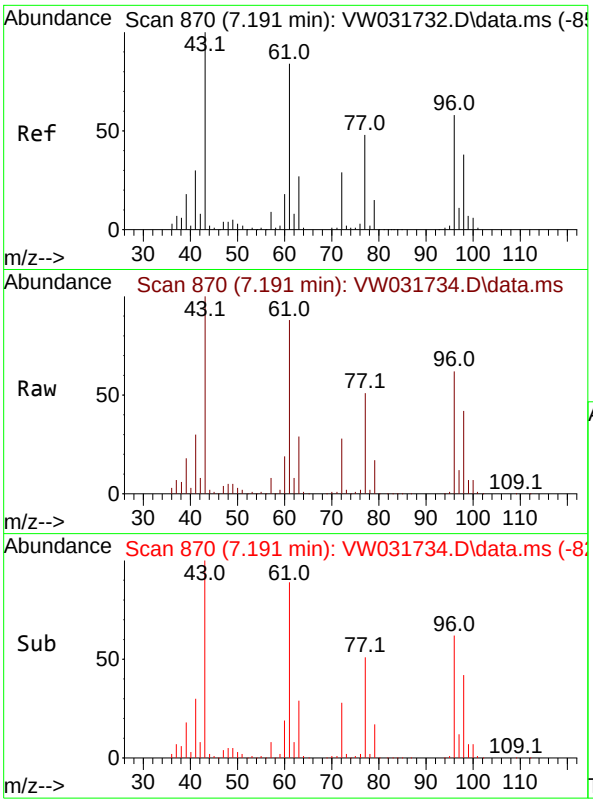


#24
1,1-Dichloroethane
Concen: 149.658 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 756841

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.6
100	4.6	2.5	7.5



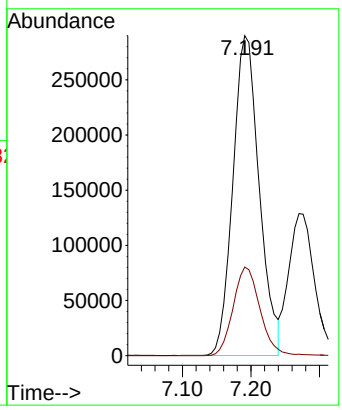


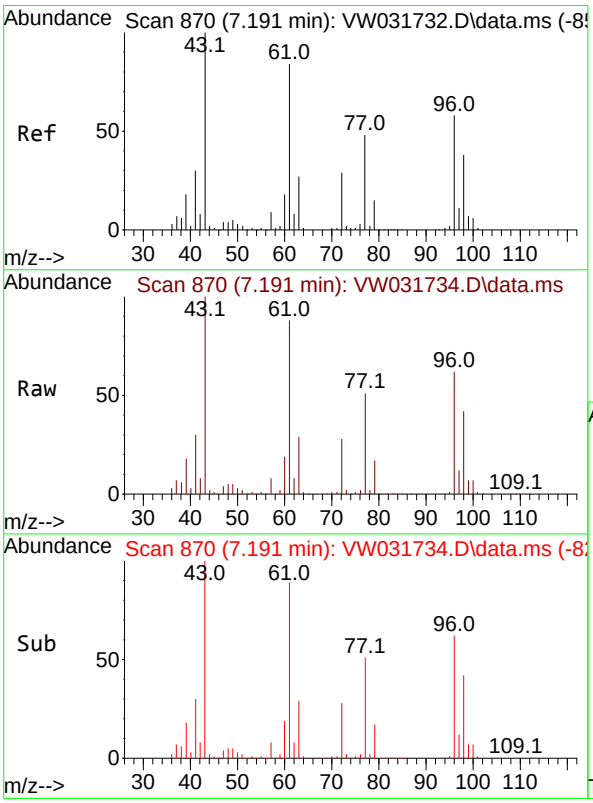
#25
2-Butanone
Concen: 768.838 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 776184

Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.0	34.6

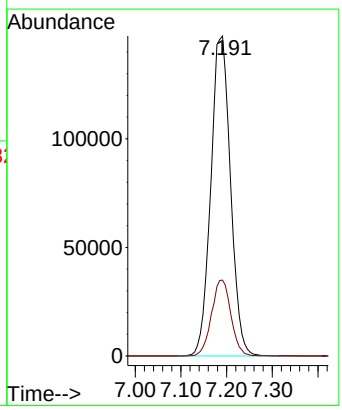


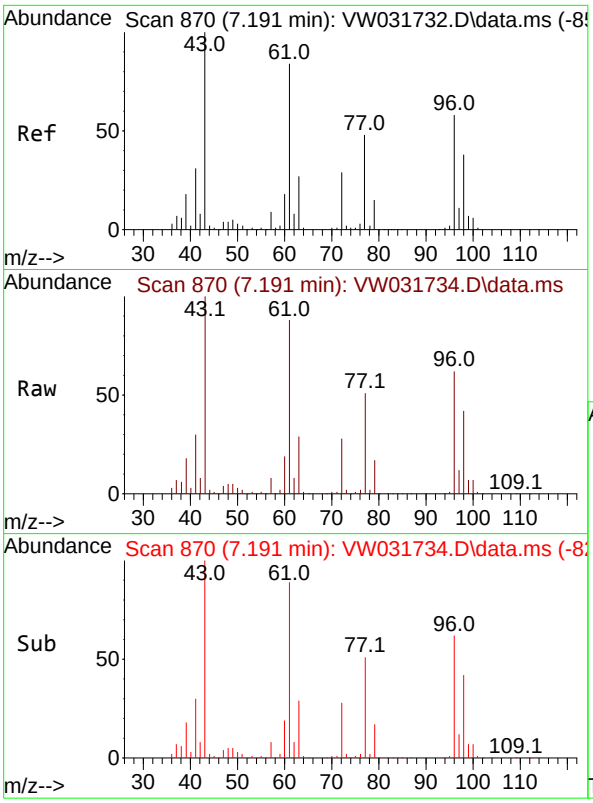


#26
2,2-Dichloropropane
Concen: 149.570 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 77 Resp: 441320

Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.6	34.7



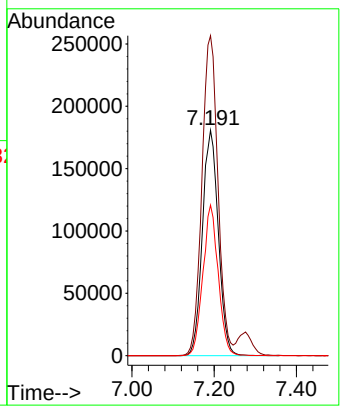


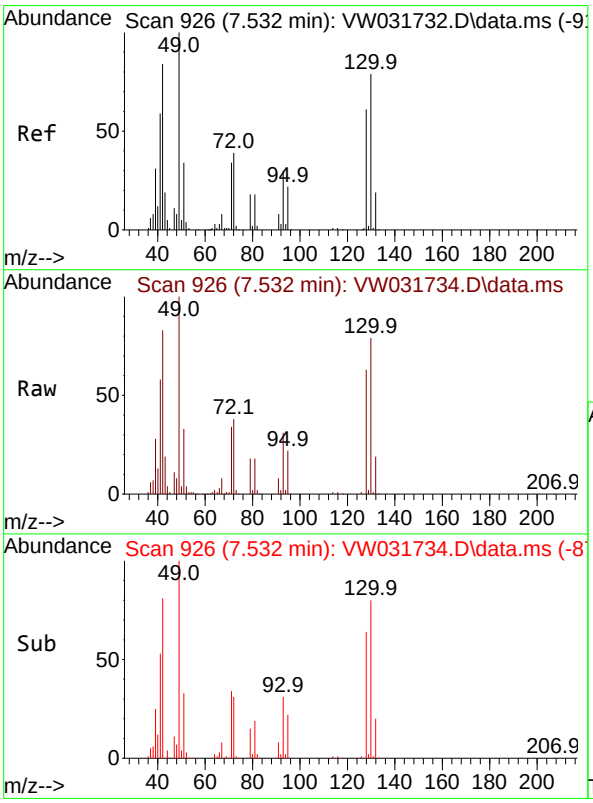
#27
cis-1,2-Dichloroethene
Concen: 152.485 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 485495

Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	286.8
98	64.3	0.0	130.4

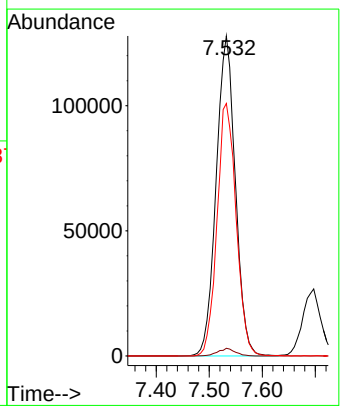


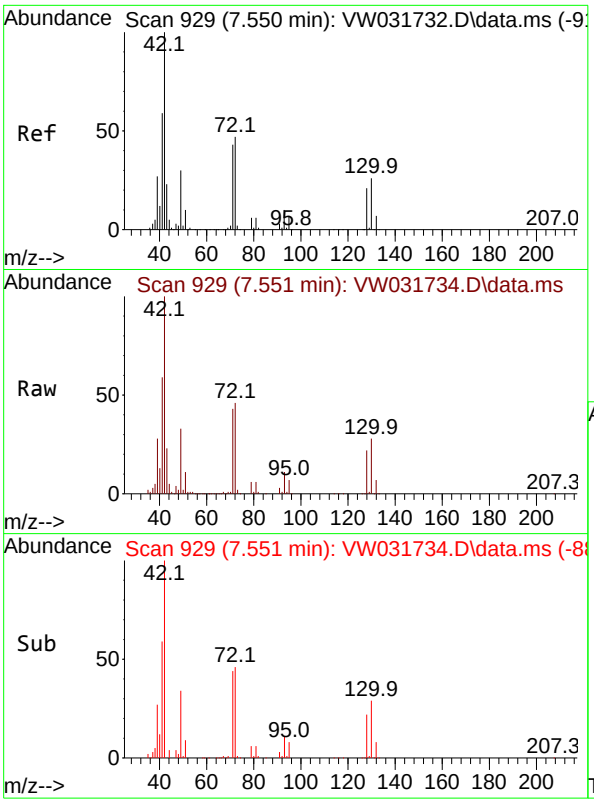


#28
Bromochloromethane
Concen: 143.858 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 49 Resp: 321043

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	78.8	61.3	91.9



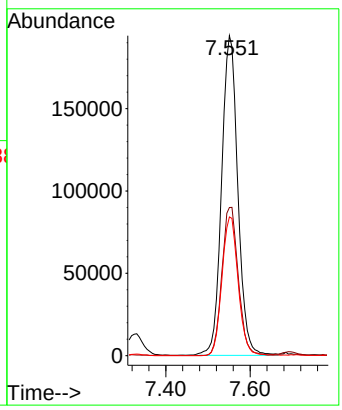


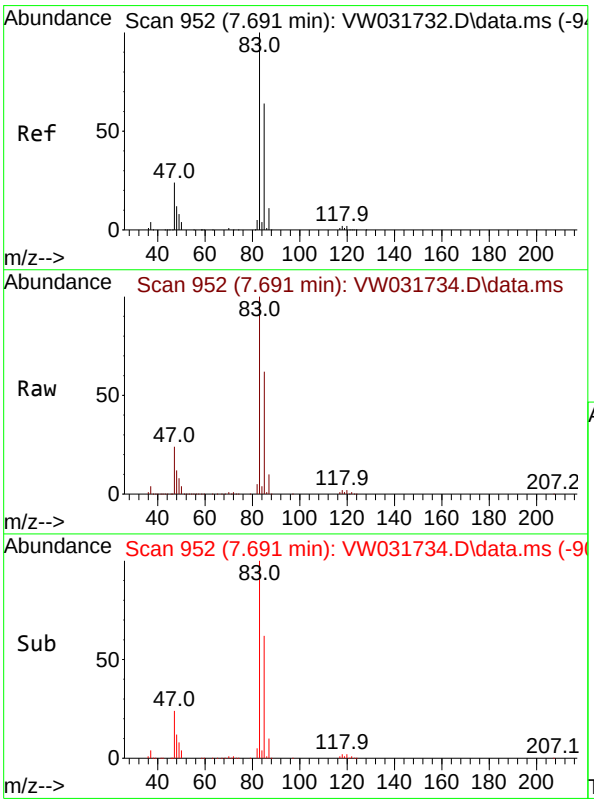
#29
Tetrahydrofuran
Concen: 748.936 ug/l
RT: 7.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 517793

Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.8	55.2
71	43.3	34.6	52.0

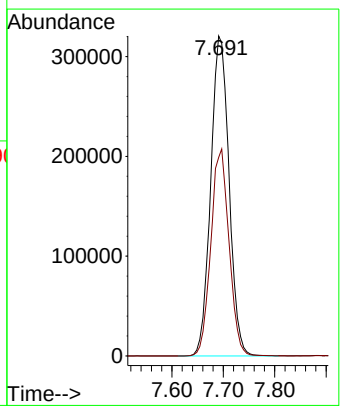


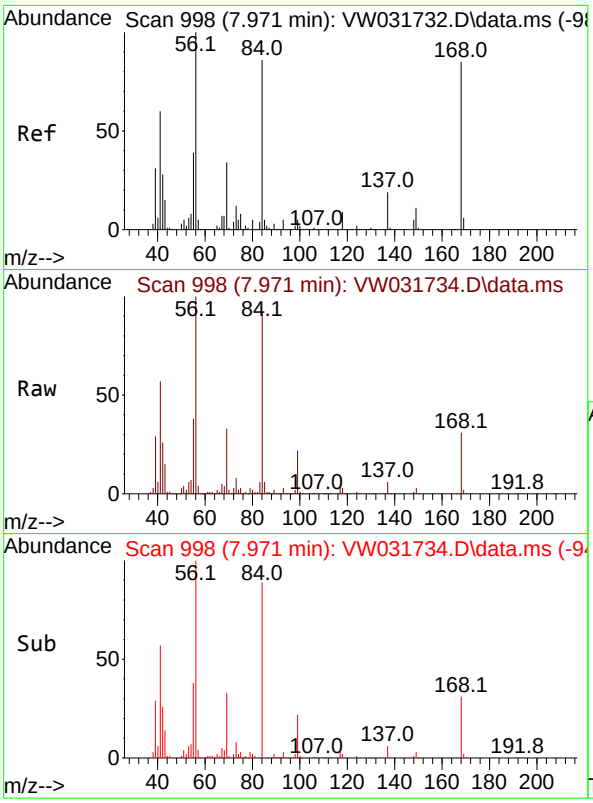


#30
Chloroform
Concen: 147.511 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 83 Resp: 792676

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0



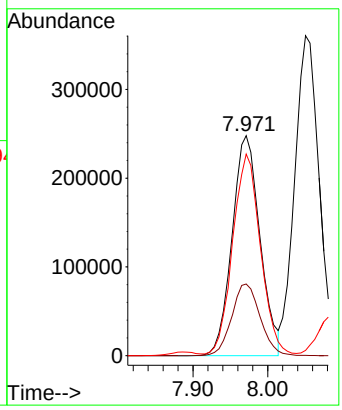


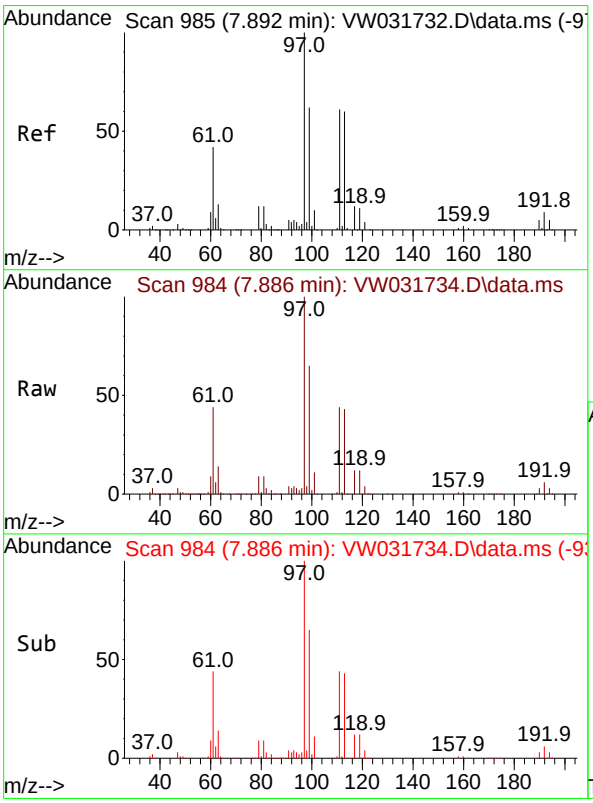
#31
Cyclohexane
Concen: 143.962 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 643550

Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.2	40.8
84	90.0	68.5	102.7

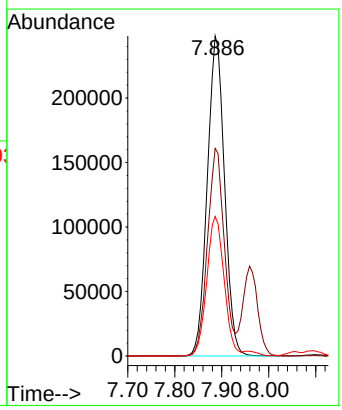


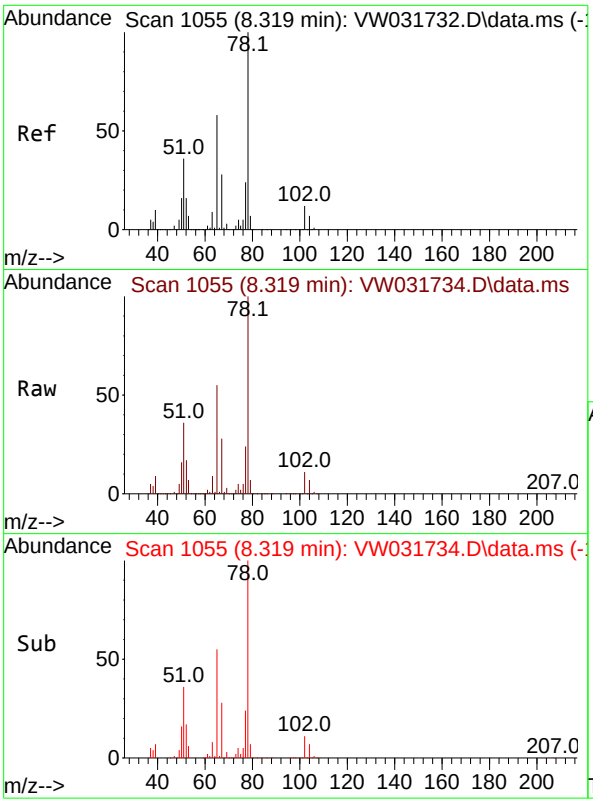


#32
1,1,1-Trichloroethane
Concen: 152.050 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 97 Resp: 629664

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	43.9	36.0	54.0



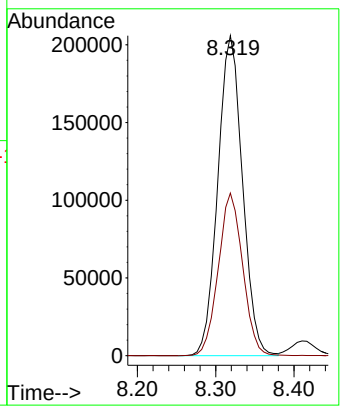


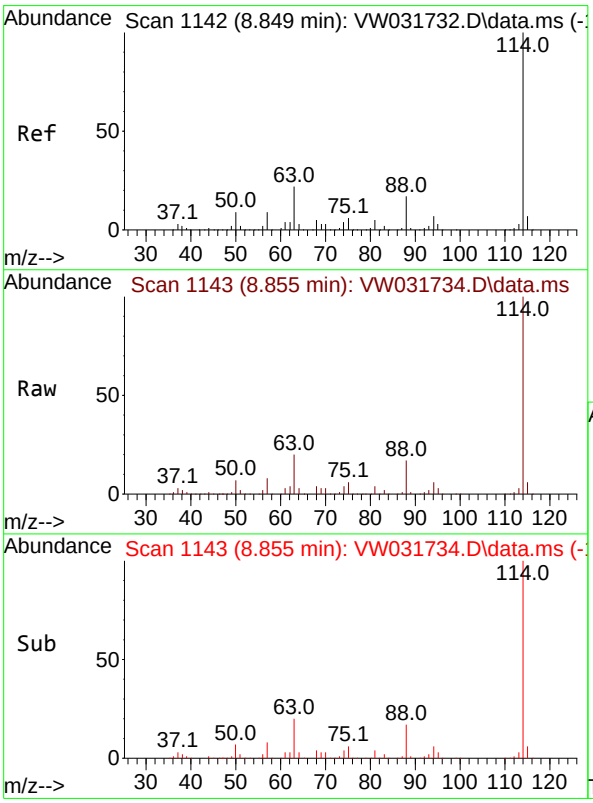
#33
1,2-Dichloroethane-d4
Concen: 143.606 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 450859

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.4

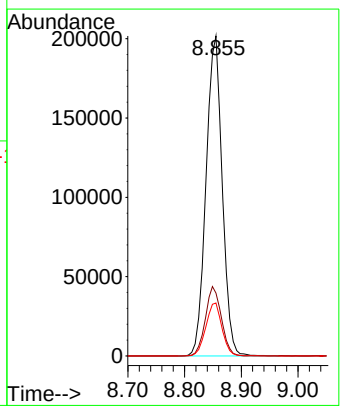


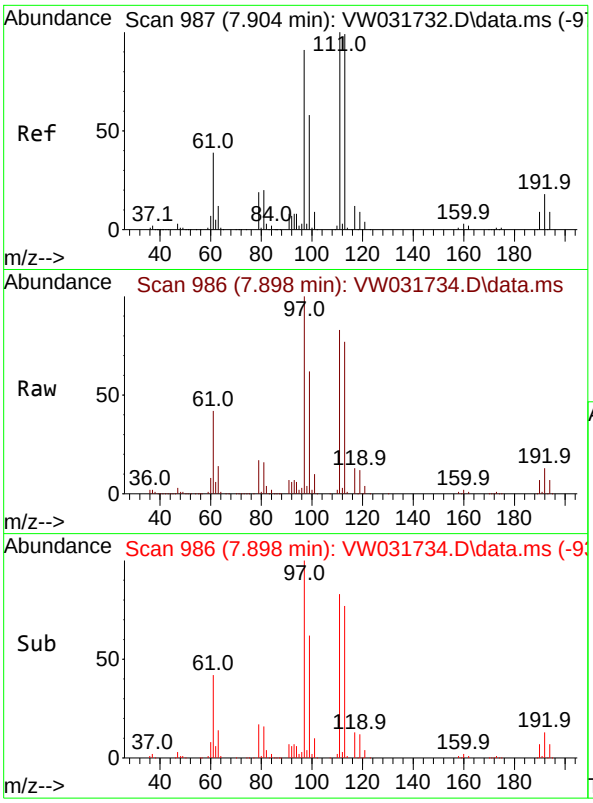


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:114 Resp: 399414

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.6
88	16.6	0.0	34.2



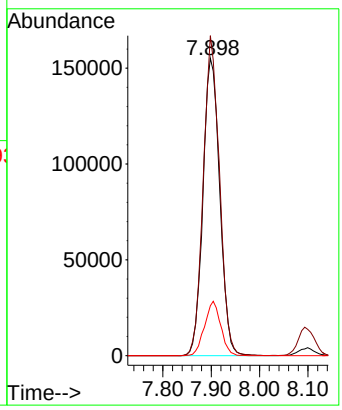


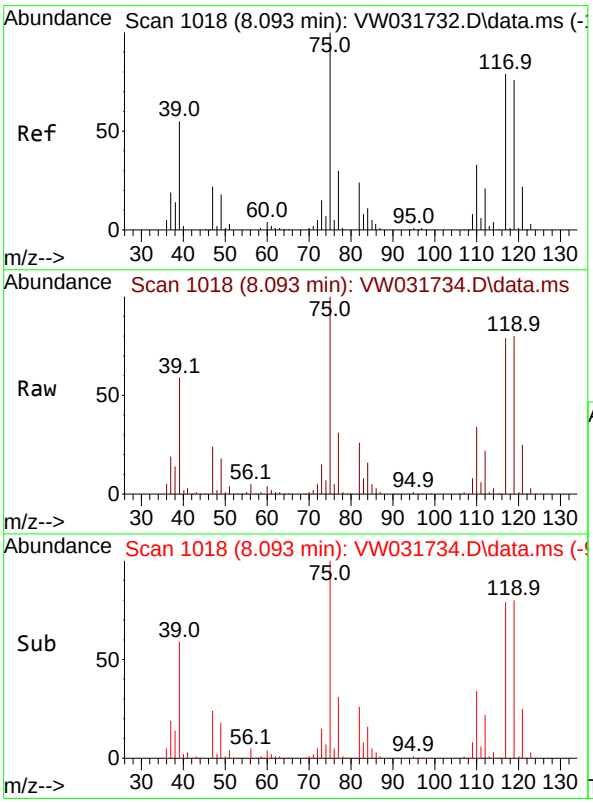
#35
Dibromofluoromethane
Concen: 143.636 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 374365

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	17.6	13.8	20.6

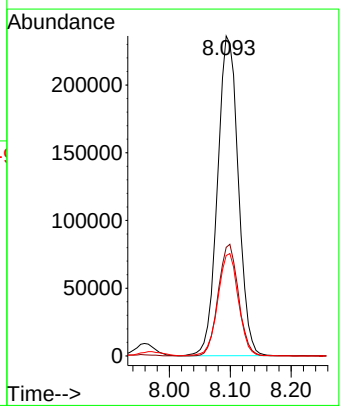


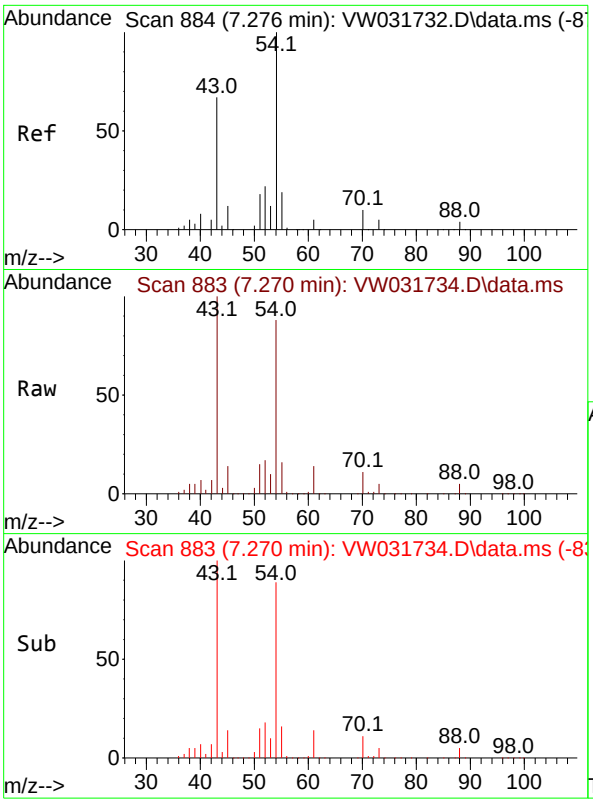


#36
1,1-Dichloropropene
Concen: 148.429 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 559803

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.8	50.4
77	31.8	25.0	37.6



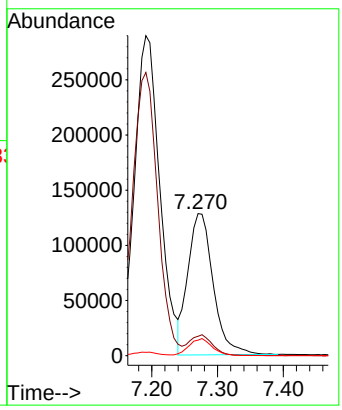


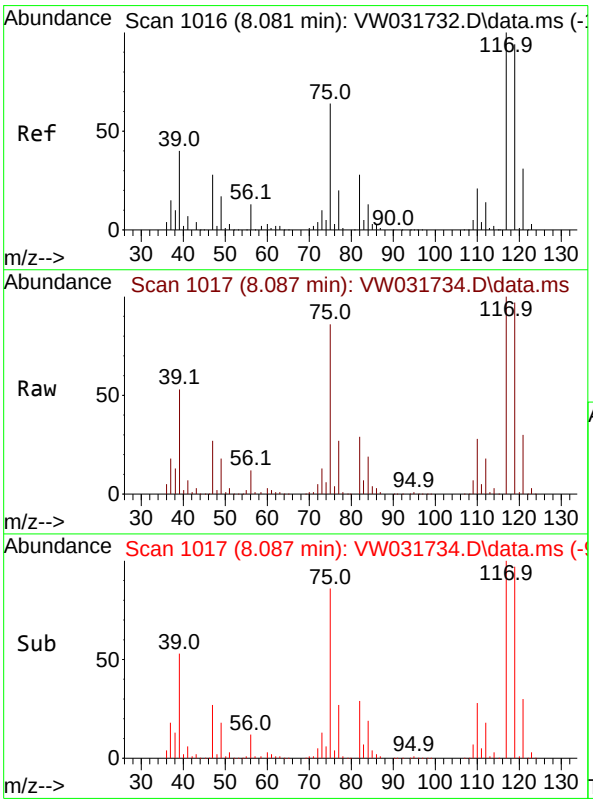
#37
Ethyl Acetate
Concen: 143.618 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 341691

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.2	9.2	13.8

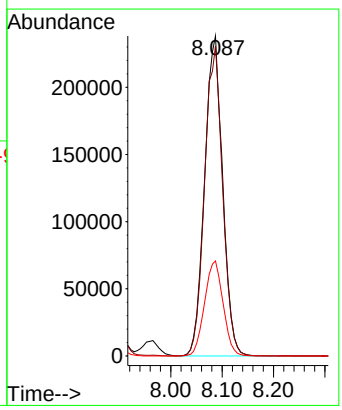


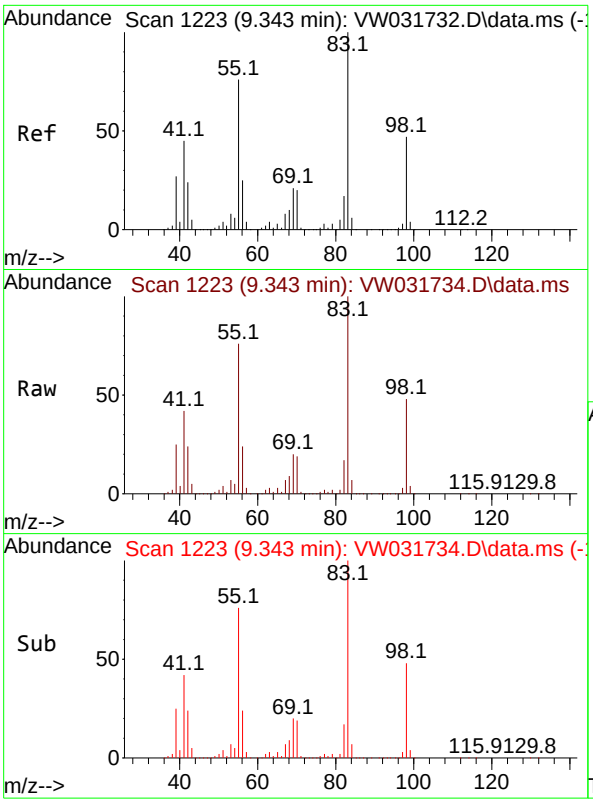


#38
Carbon Tetrachloride
Concen: 151.072 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:117 Resp: 580610

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.0	112.6
121	29.7	24.6	37.0



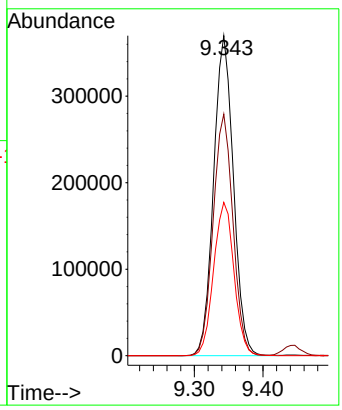


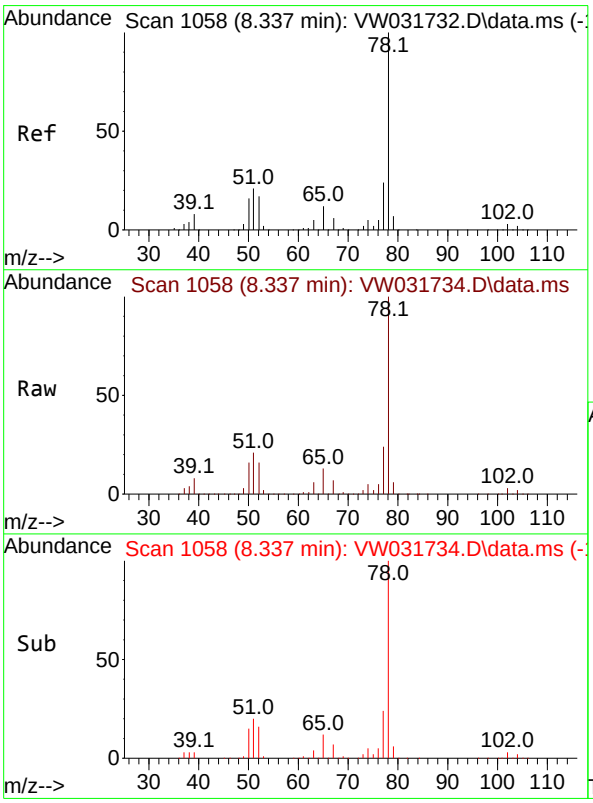
#39
Methylcyclohexane
Concen: 157.996 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 741380

Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.0	91.4
98	47.9	37.9	56.9

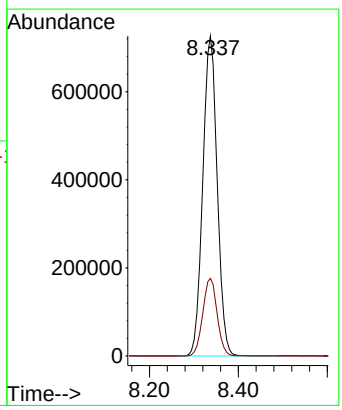


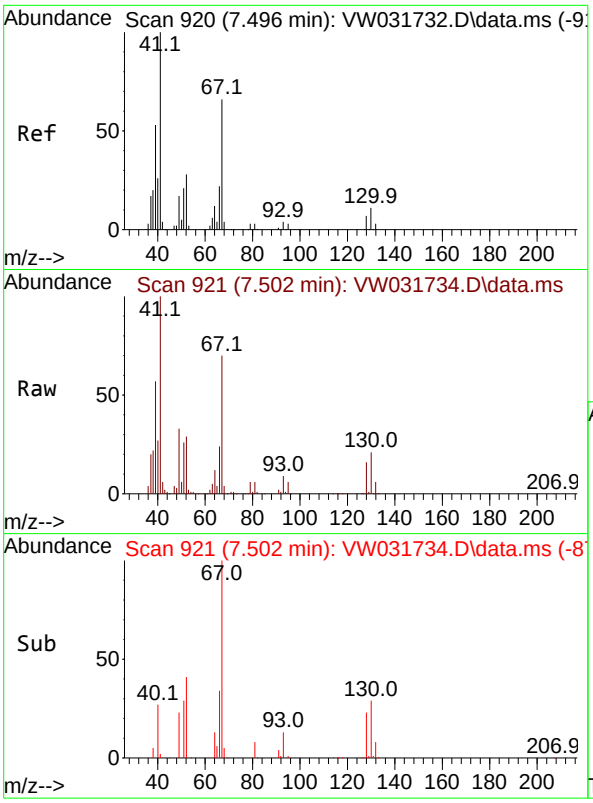


#40
Benzene
Concen: 147.198 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 78 Resp: 1642494

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8



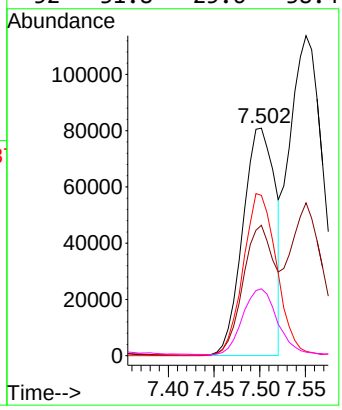


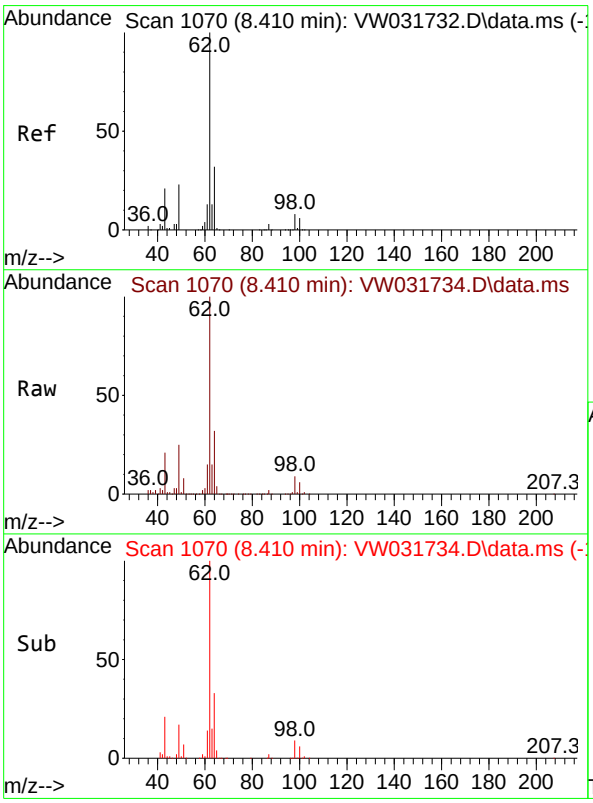
#41
Methacrylonitrile
Concen: 156.650 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 199650

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.2	64.8
67	74.1	58.1	87.1
52	31.8	25.6	38.4

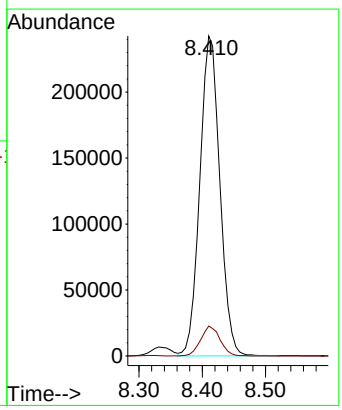


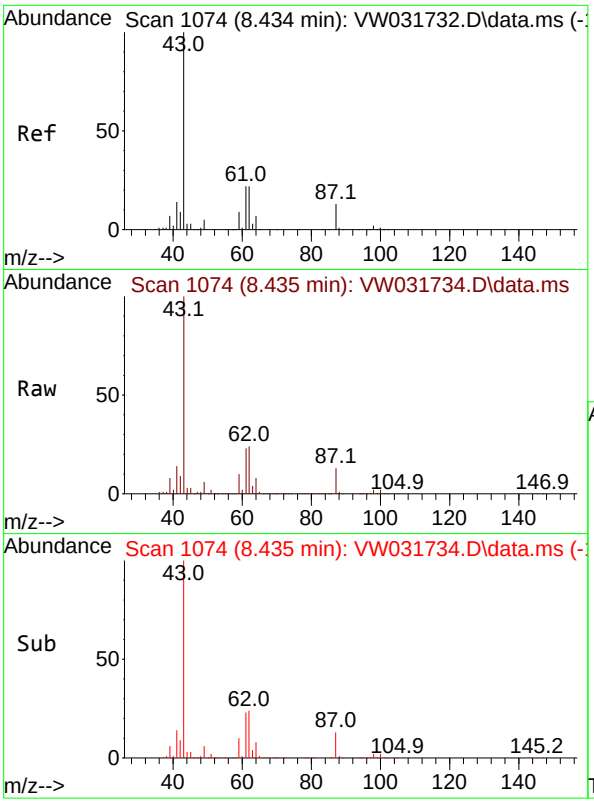


#42
1,2-Dichloroethane
Concen: 141.578 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 62 Resp: 533792

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2



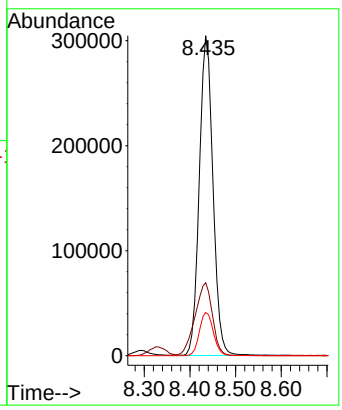


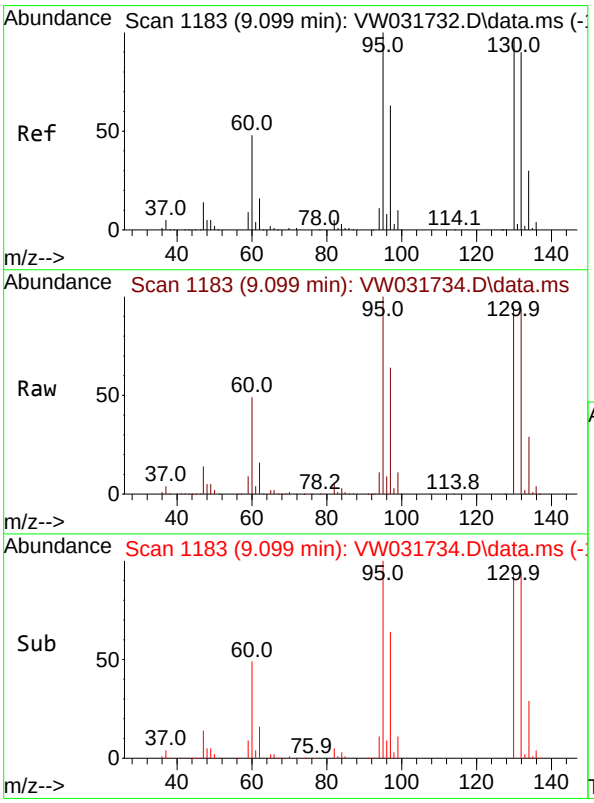
#43
Isopropyl Acetate
Concen: 153.874 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 631057

Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.1	34.7
87	13.8	10.8	16.2

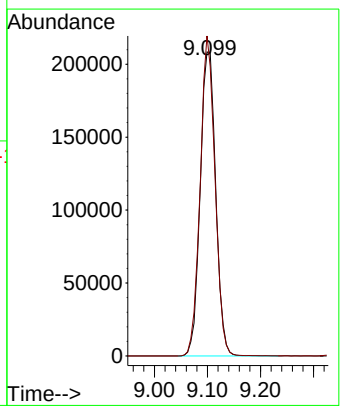


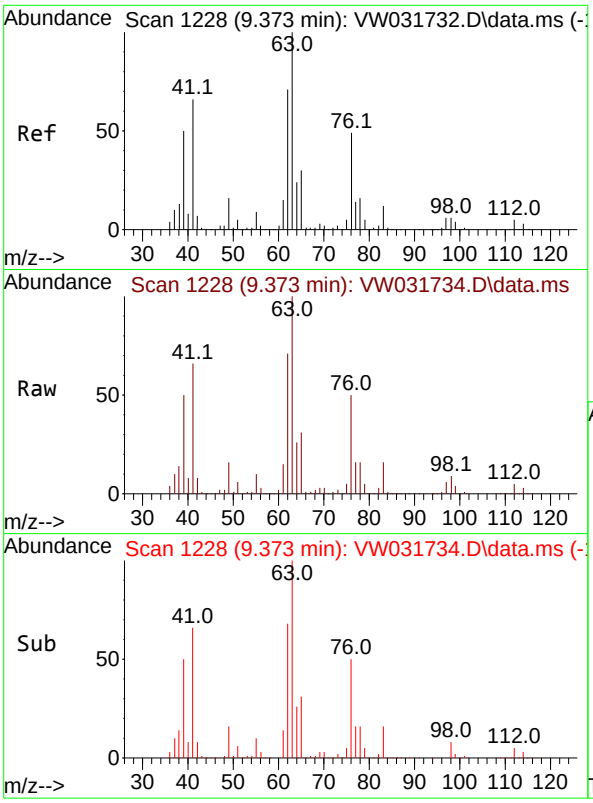


#44
Trichloroethene
Concen: 152.358 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:130 Resp: 424322

Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	208.6



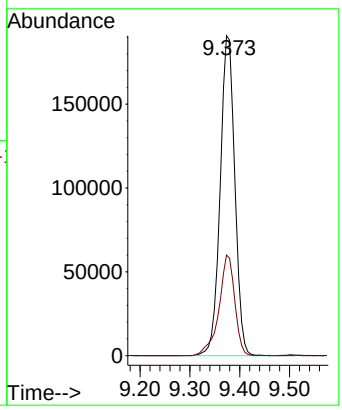


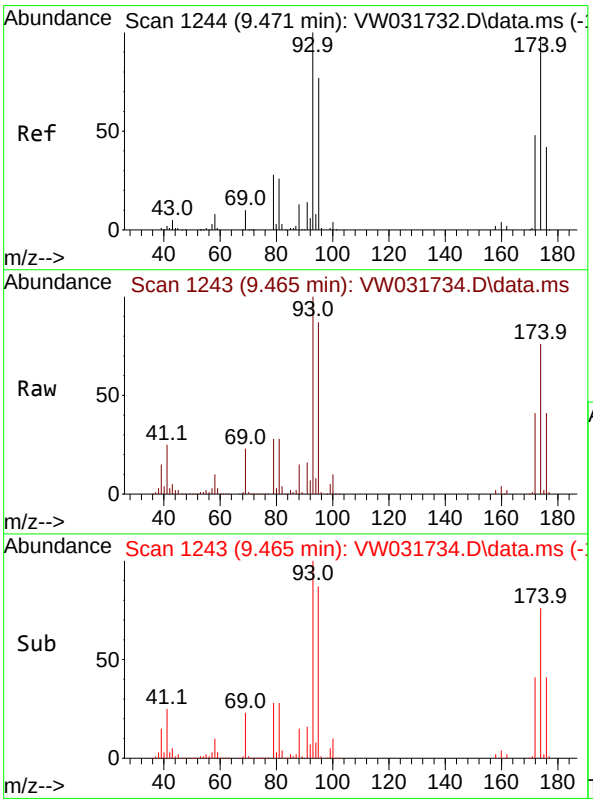
#45
1,2-Dichloropropane
Concen: 144.616 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 390006

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

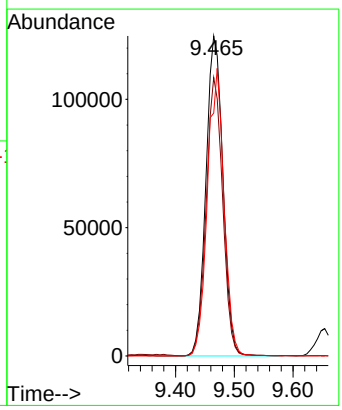


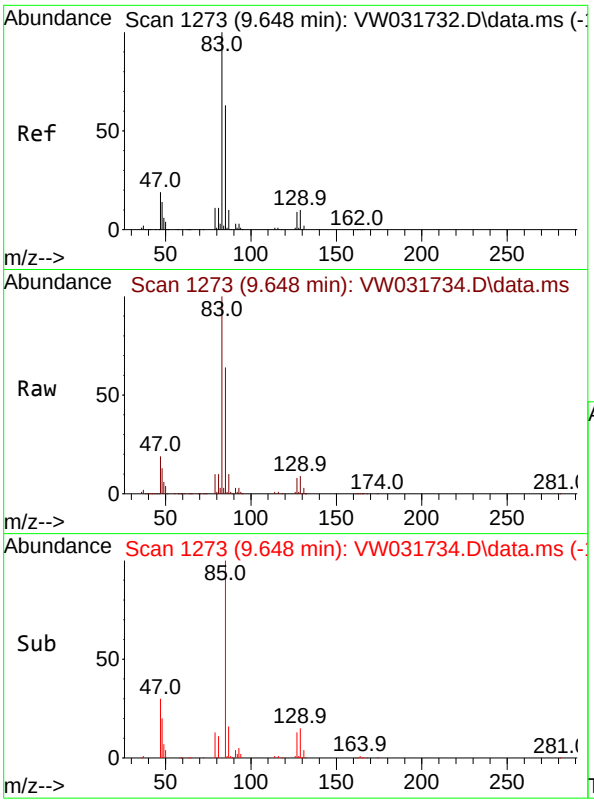


#46
Dibromomethane
Concen: 144.196 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 93 Resp: 251060

Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.0	100.4
174	87.6	71.7	107.5



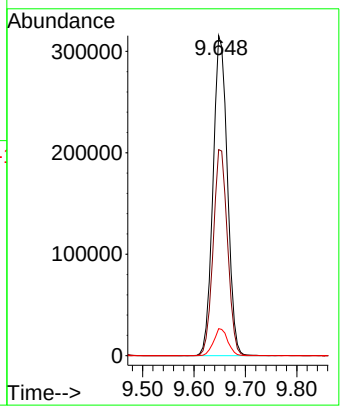


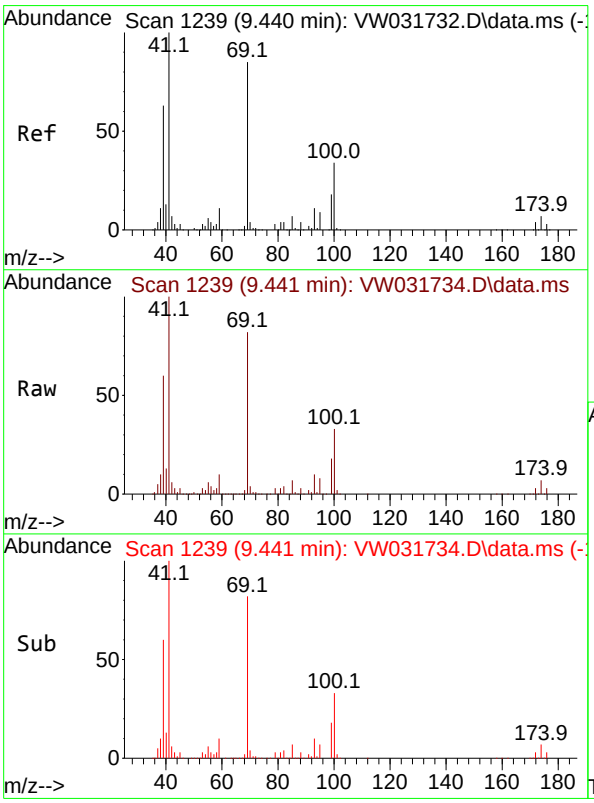
#47
Bromodichloromethane
Concen: 149.611 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 610837

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.8	76.2
127	8.4	6.8	10.2

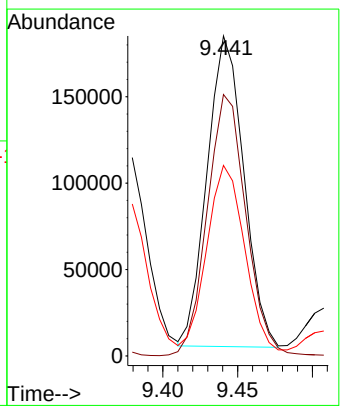


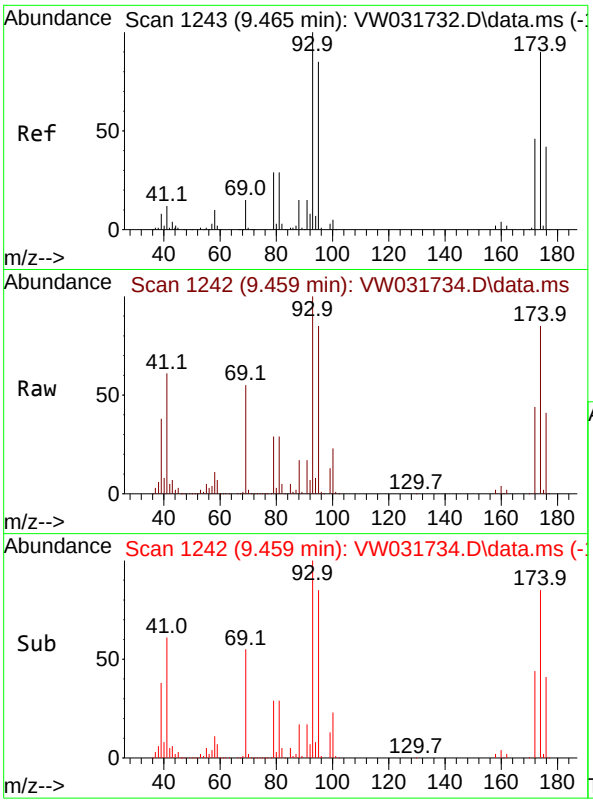


#48
Methyl methacrylate
Concen: 152.139 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 41 Resp: 306797

Ion	Ratio	Lower	Upper
41	100		
69	89.2	71.6	107.4
39	60.2	49.5	74.3



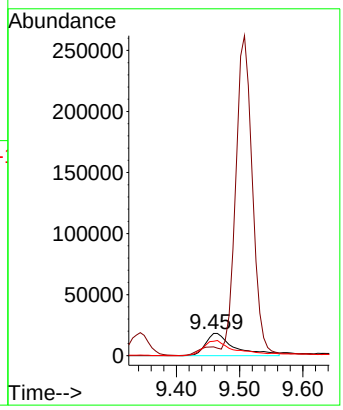


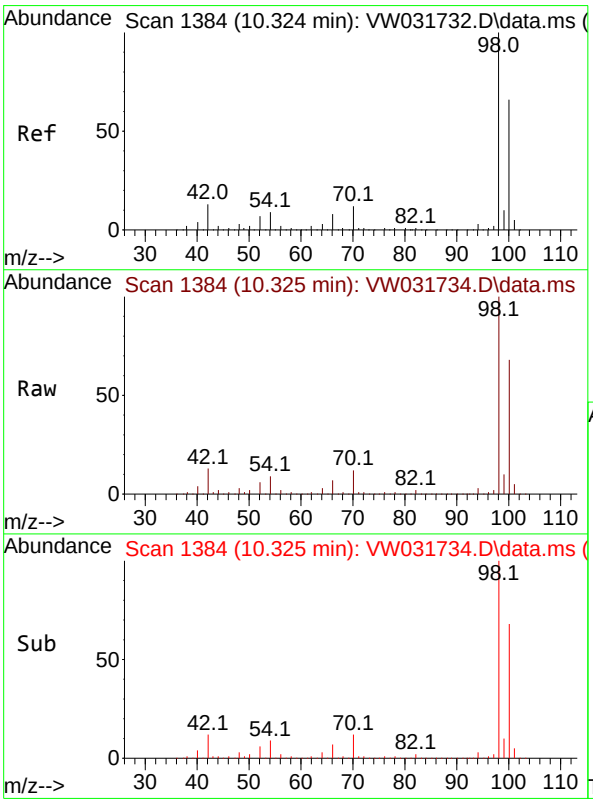
#49
1,4-Dioxane
Concen: 3121.017 ug/l
RT: 9.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 57850

Ion	Ratio	Lower	Upper
88	100		
43	25.8	0.0	0.0#
58	77.9	58.3	87.5

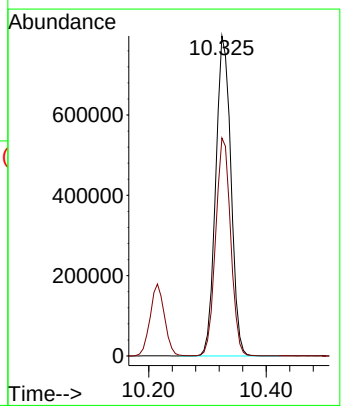


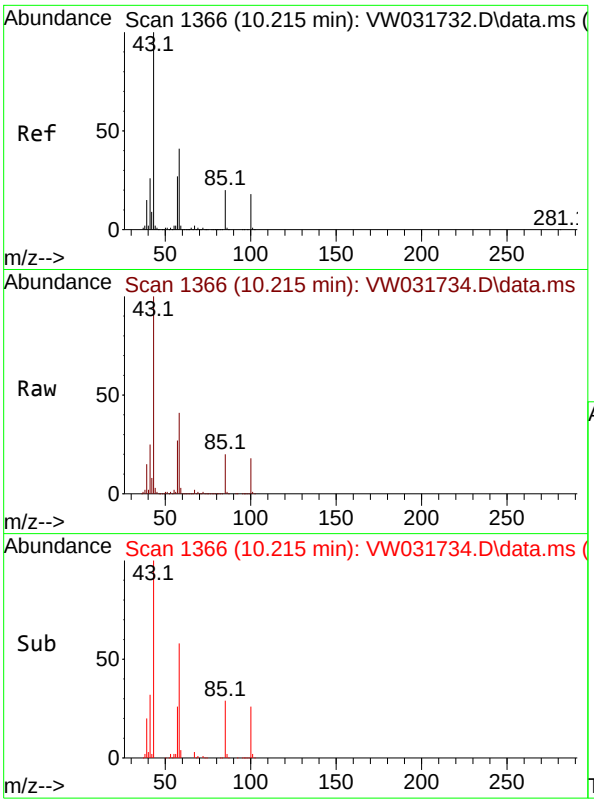


#50
Toluene-d8
Concen: 147.419 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 98 Resp: 1429859

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



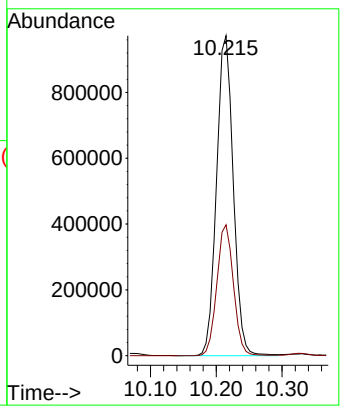


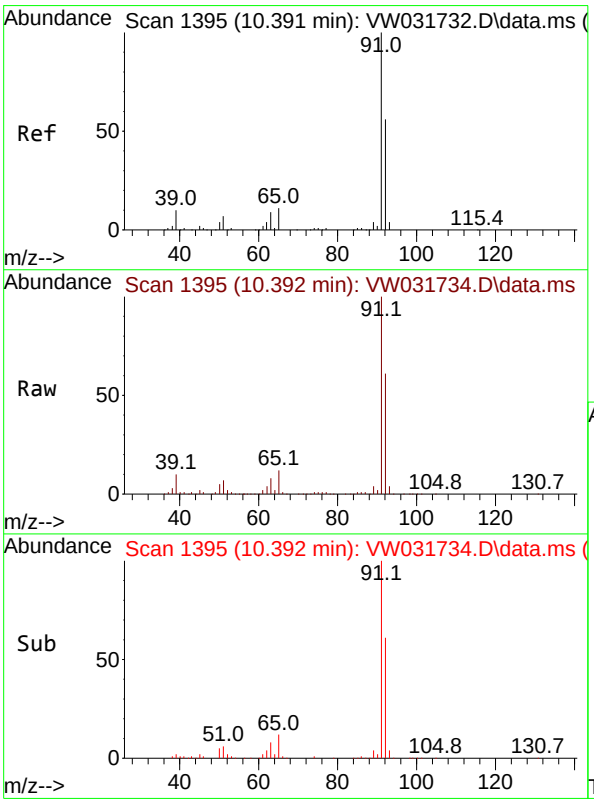
#51
4-Methyl-2-Pentanone
Concen: 729.963 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1721097

Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.2	48.2

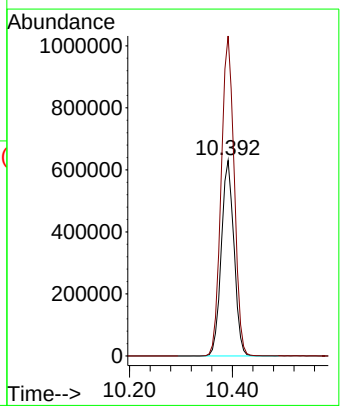


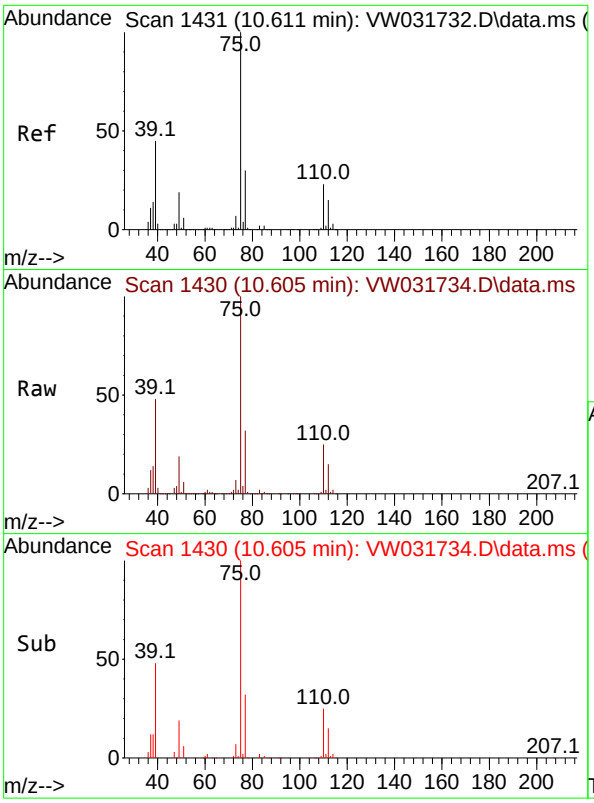


#52
Toluene
Concen: 150.709 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 92 Resp: 1076709

Ion	Ratio	Lower	Upper
92	100		
91	168.0	139.5	209.3



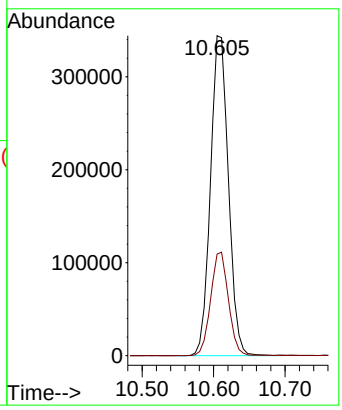


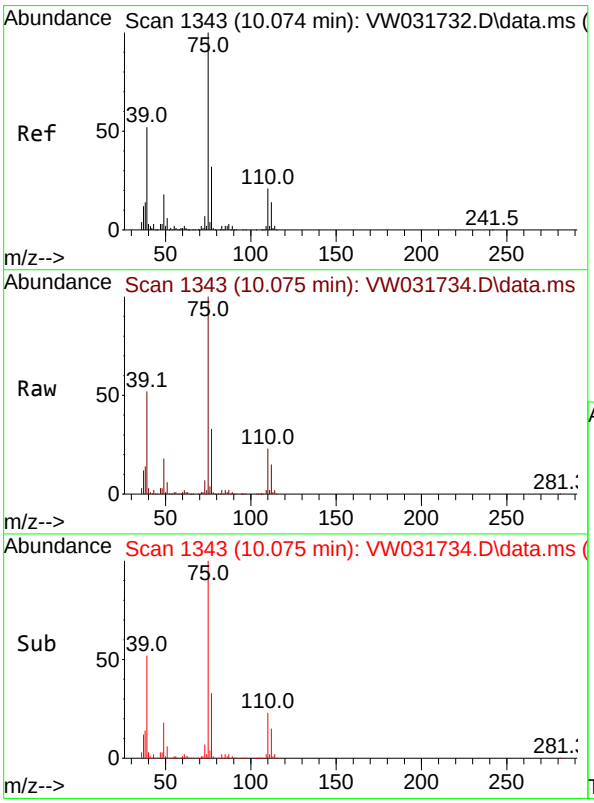
#53
t-1,3-Dichloropropene
Concen: 156.353 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 598943

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.3	36.5

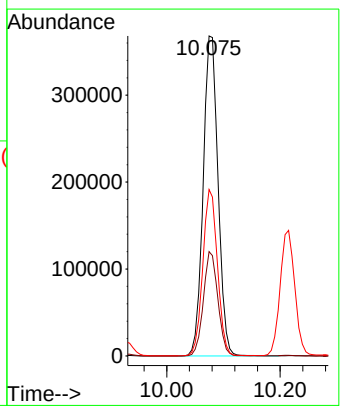


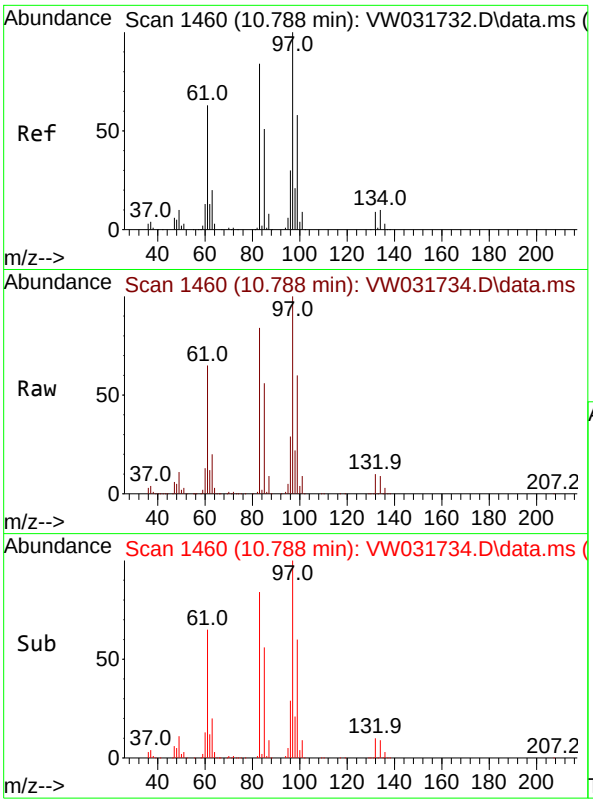


#54
cis-1,3-Dichloropropene
Concen: 154.433 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 670647

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.2
39	51.9	41.8	62.6



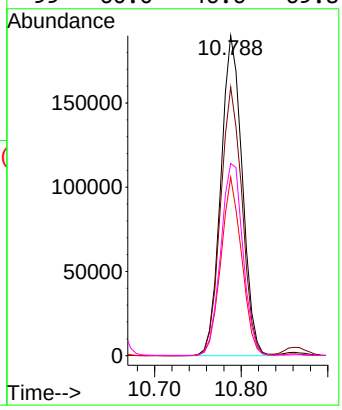


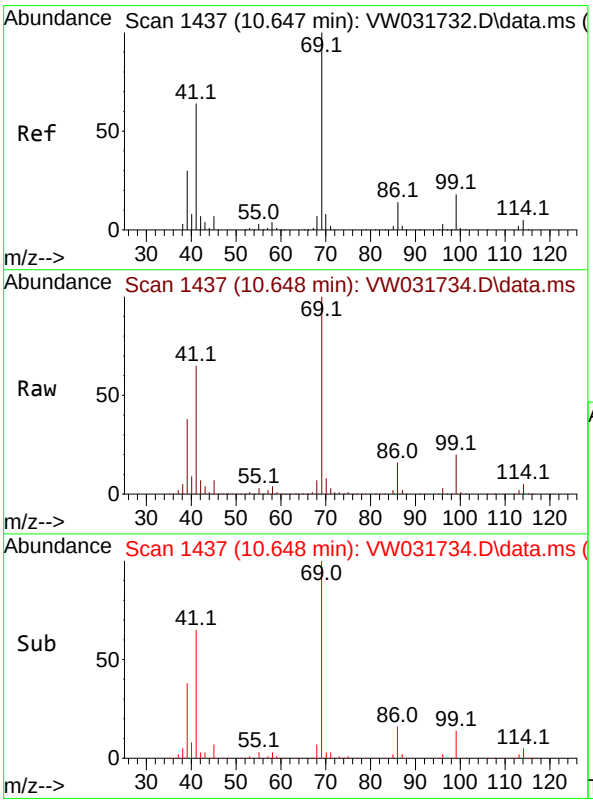
#55
1,1,2-Trichloroethane
Concen: 143.331 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 326894

Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.9	100.3
85	55.7	41.1	61.7
99	60.0	46.6	69.8

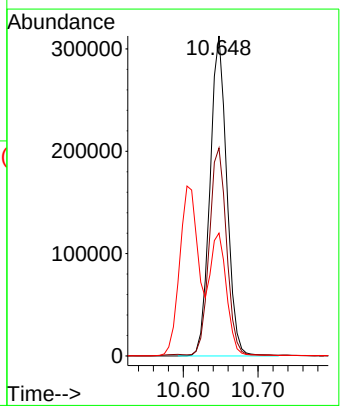


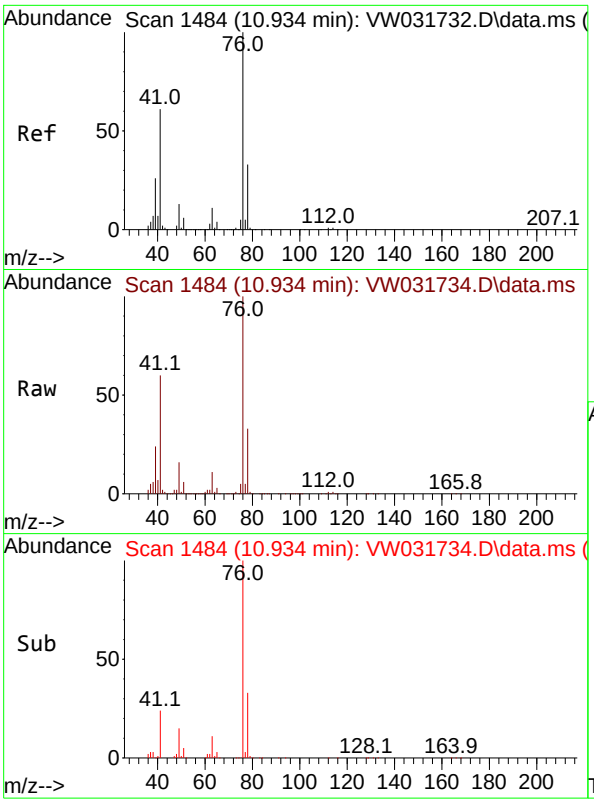


#56
Ethyl methacrylate
Concen: 158.587 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 69 Resp: 490690

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.3	79.9
39	36.6	30.2	45.2



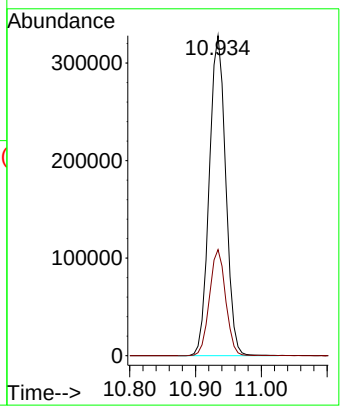


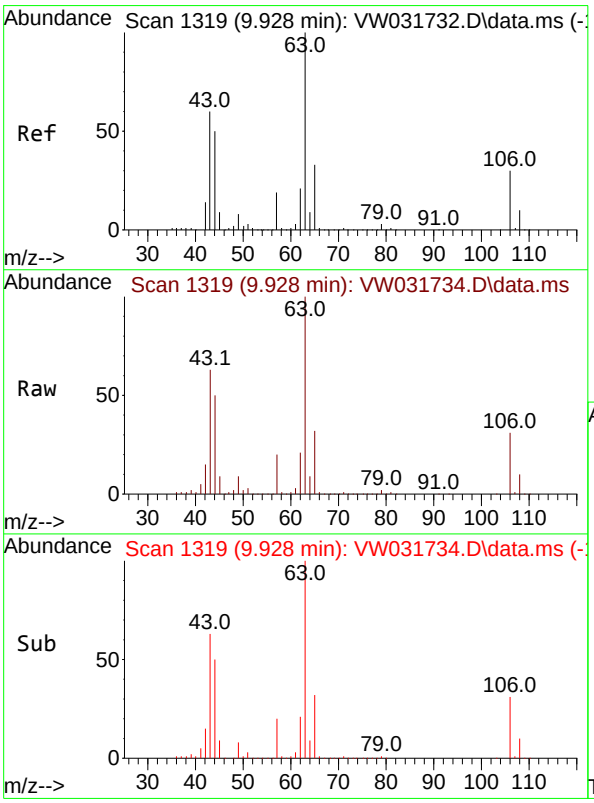
#57
1,3-Dichloropropane
Concen: 142.516 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 570666

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

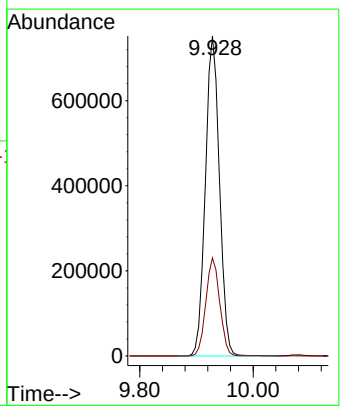


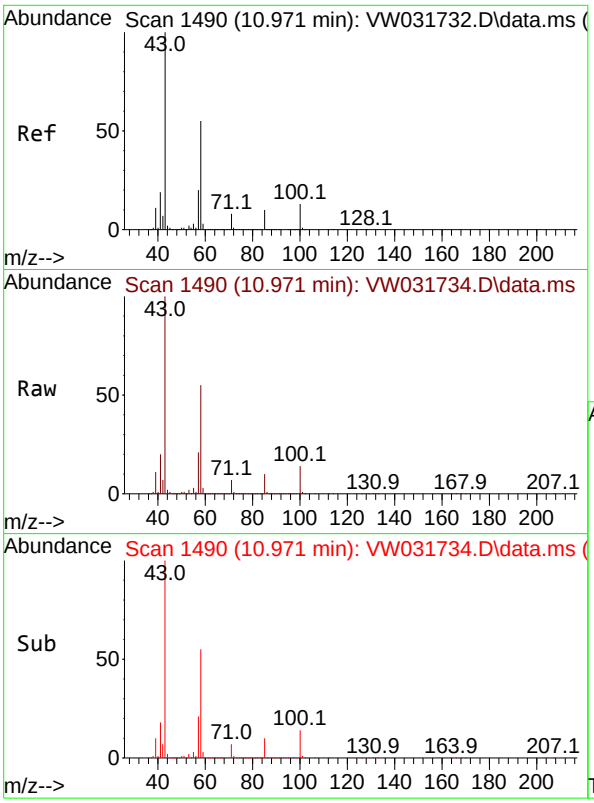


#58
2-Chloroethyl Vinyl ether
Concen: 761.261 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 63 Resp: 1297023

Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.1	36.1



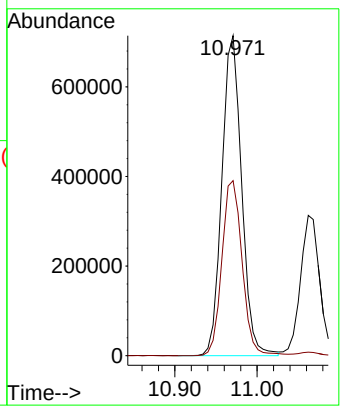


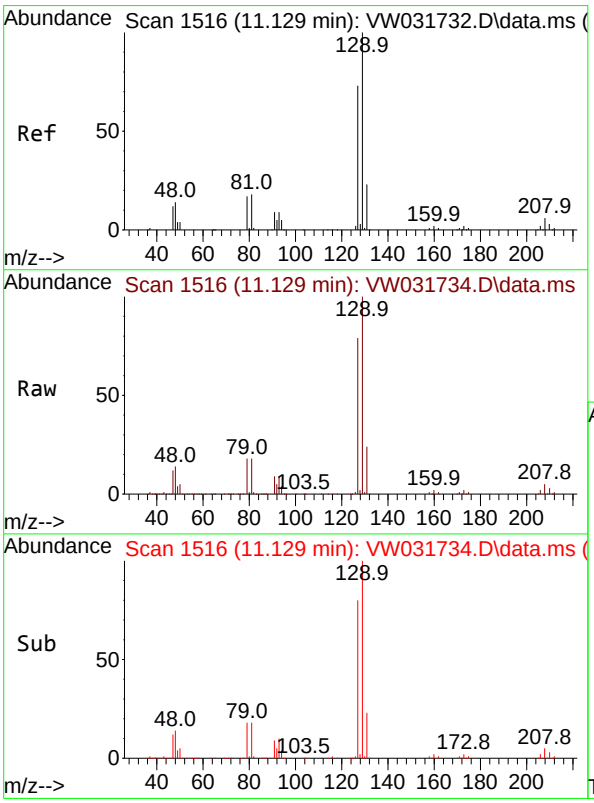
#59
2-Hexanone
Concen: 746.062 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1192007

Ion	Ratio	Lower	Upper
43	100		
58	56.1	27.9	83.6

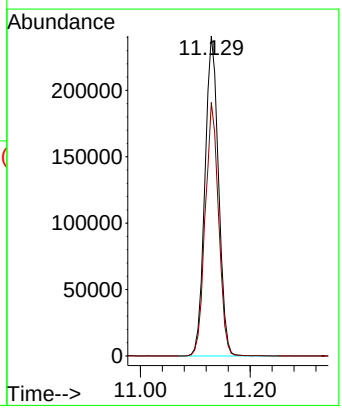


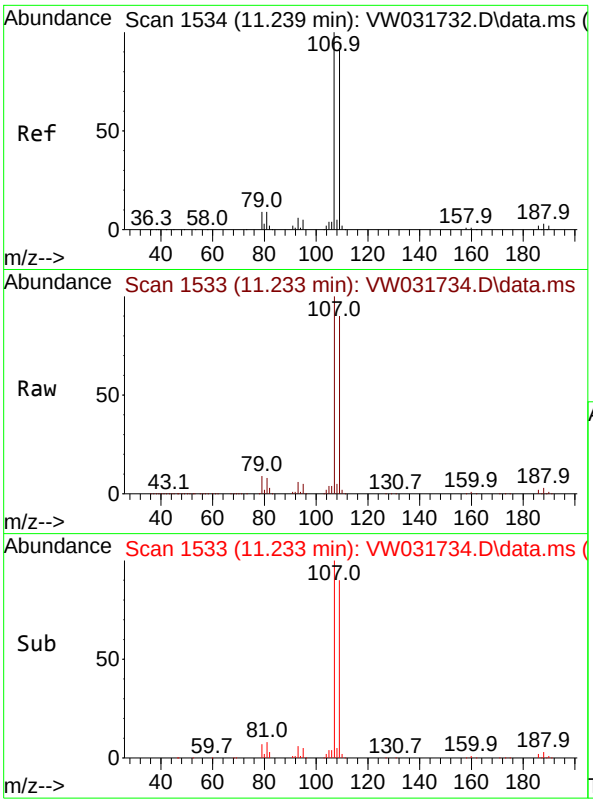


#60
Dibromochloromethane
Concen: 151.554 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:129 Resp: 413333

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.0	114.1



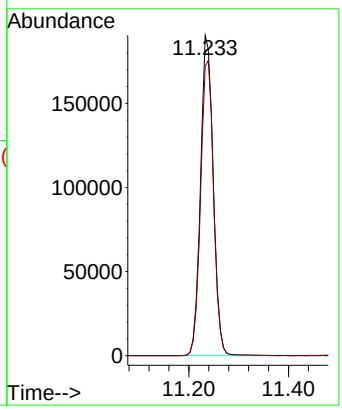


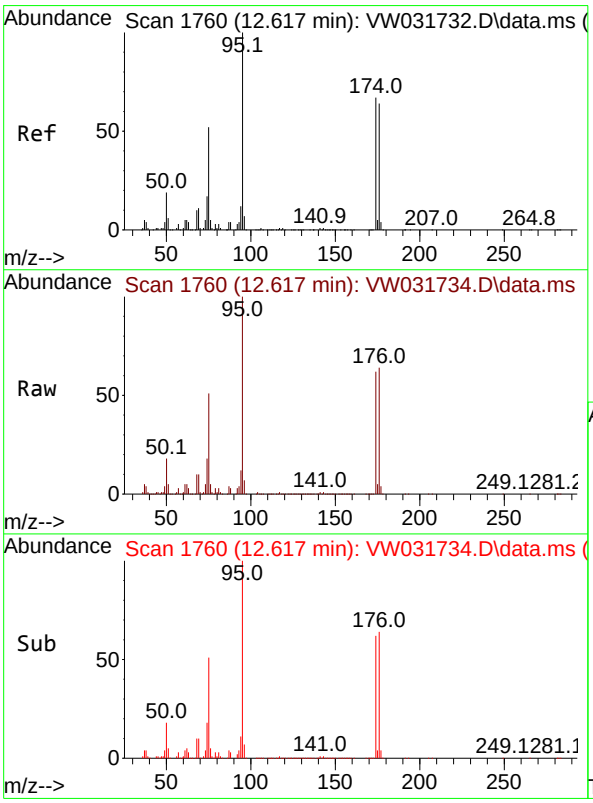
#61
1,2-Dibromoethane
Concen: 147.535 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 336847

Ion	Ratio	Lower	Upper
107	100		
109	94.2	73.9	110.9

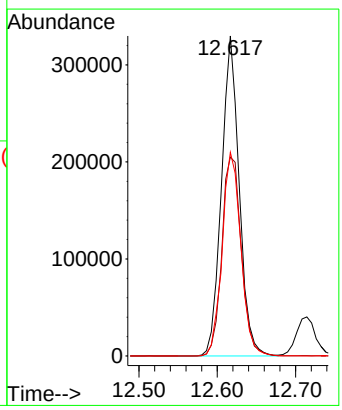


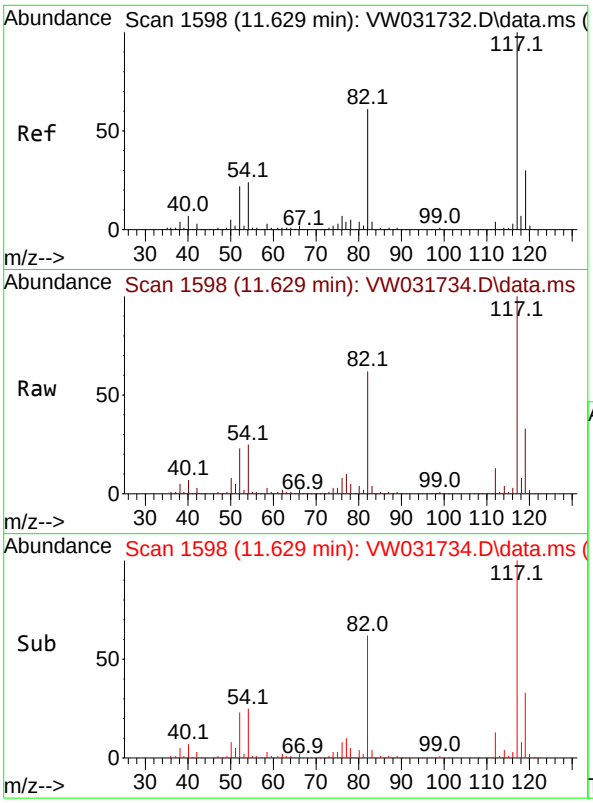


#62
4-Bromofluorobenzene
Concen: 145.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 95 Resp: 519559

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	133.8
176	67.0	0.0	126.0



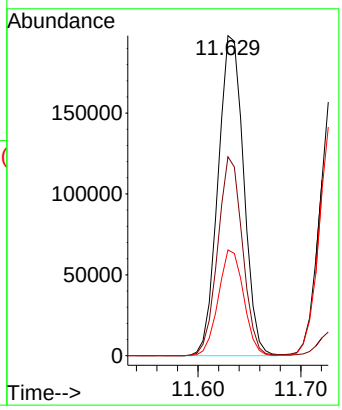


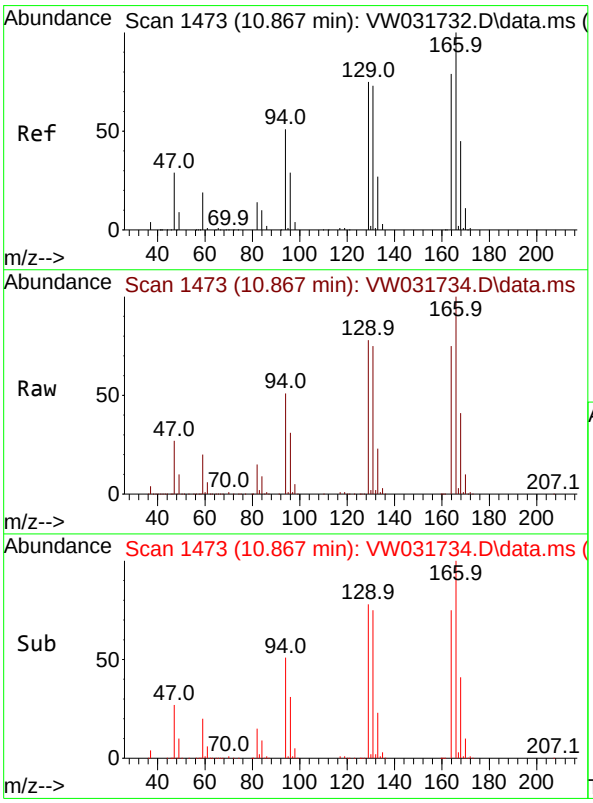
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 342661

Ion	Ratio	Lower	Upper
117	100		
82	62.2	48.6	72.8
119	33.0	23.9	35.9

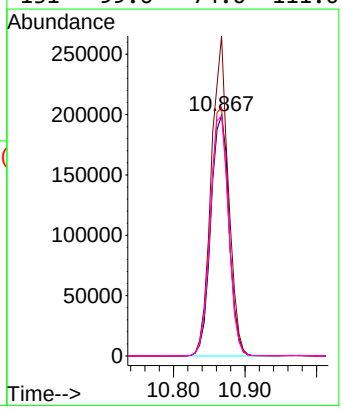


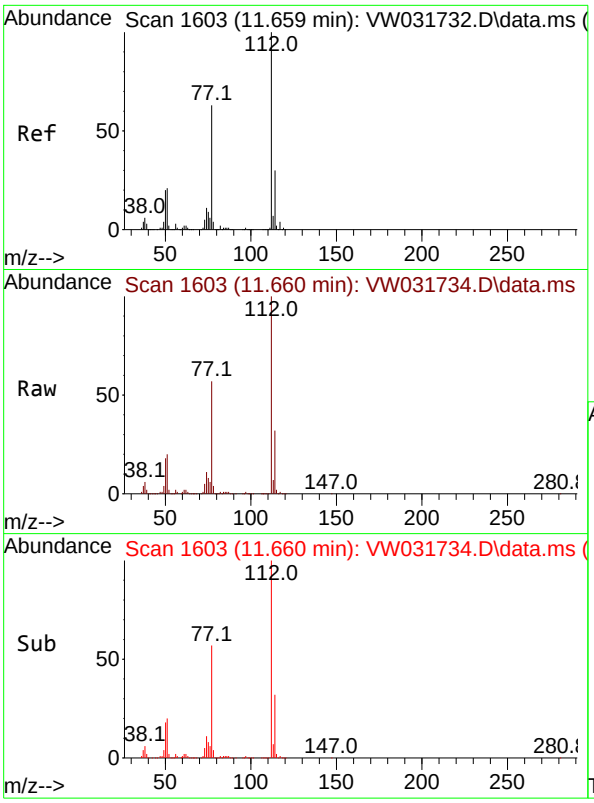


#64
Tetrachloroethene
Concen: 157.549 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:164 Resp: 353130

Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.7	151.1
129	103.3	75.4	113.0
131	99.6	74.0	111.0



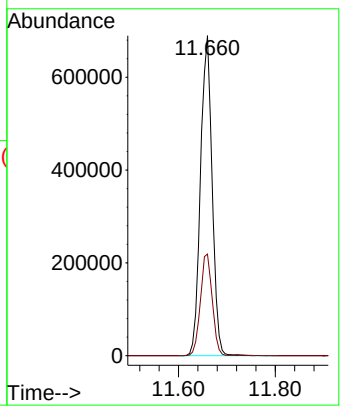


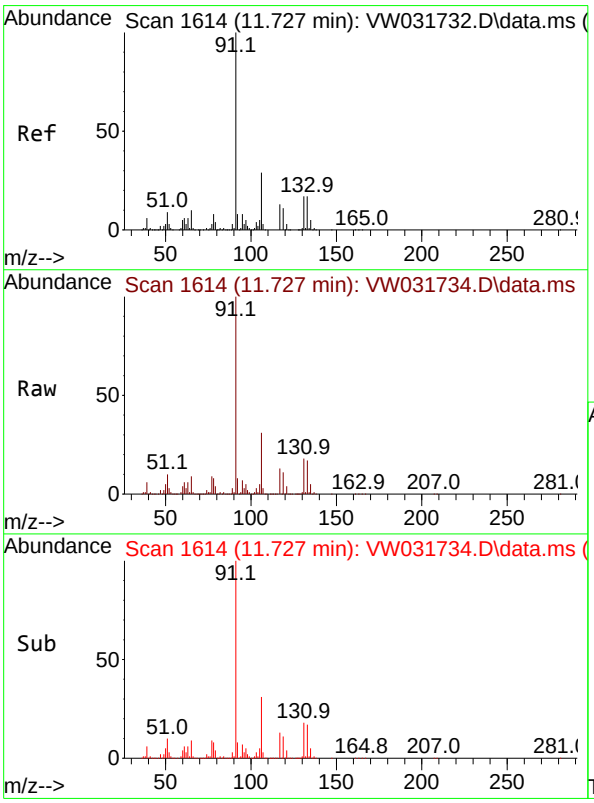
#65
Chlorobenzene
Concen: 152.237 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1150958

Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.8	35.8

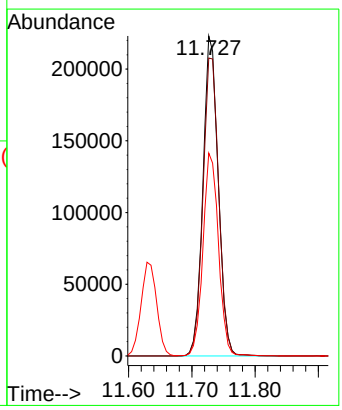


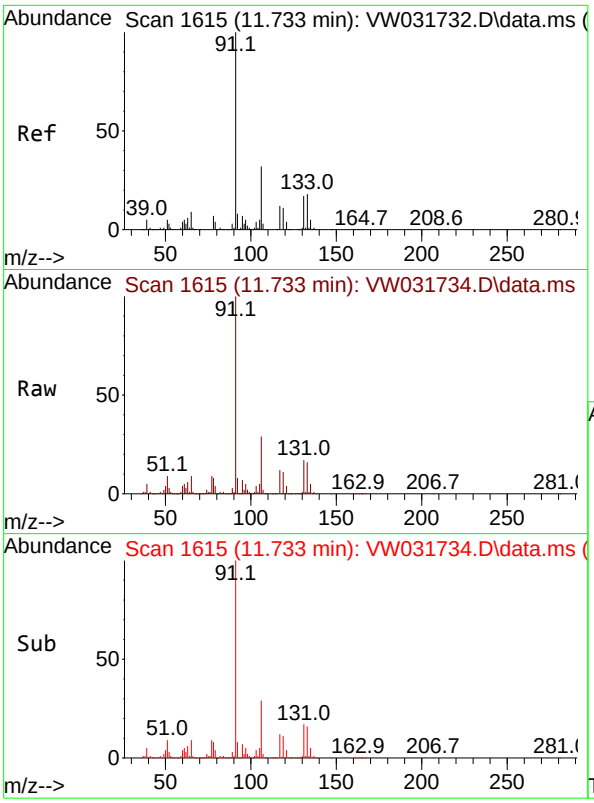


#66
1,1,1,2-Tetrachloroethane
Concen: 155.768 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:131 Resp: 375280

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.5	145.6
119	64.4	32.5	97.5



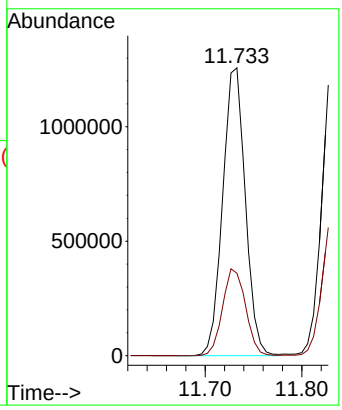


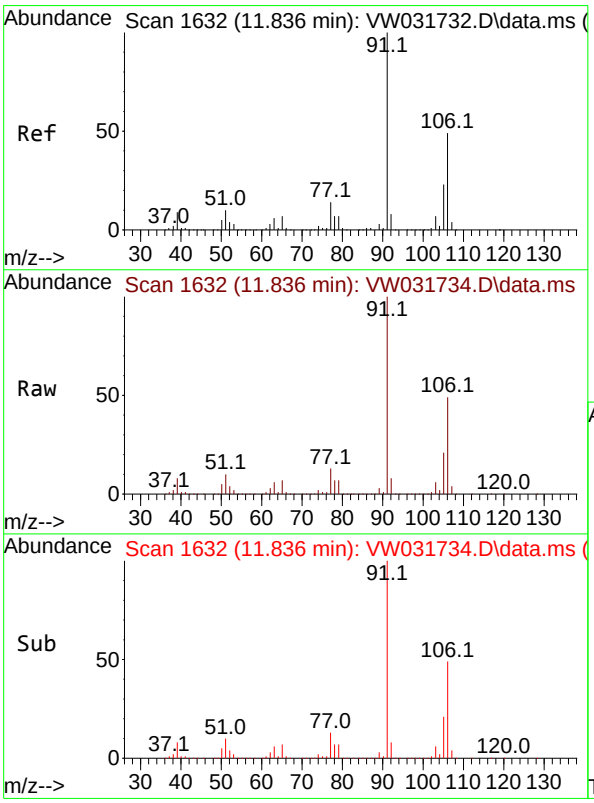
#67
Ethyl Benzene
Concen: 155.940 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2044338

Ion	Ratio	Lower	Upper
91	100		
106	28.6	25.4	38.2

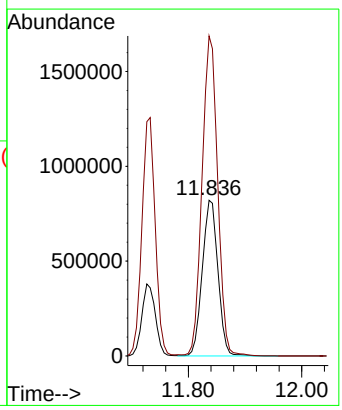


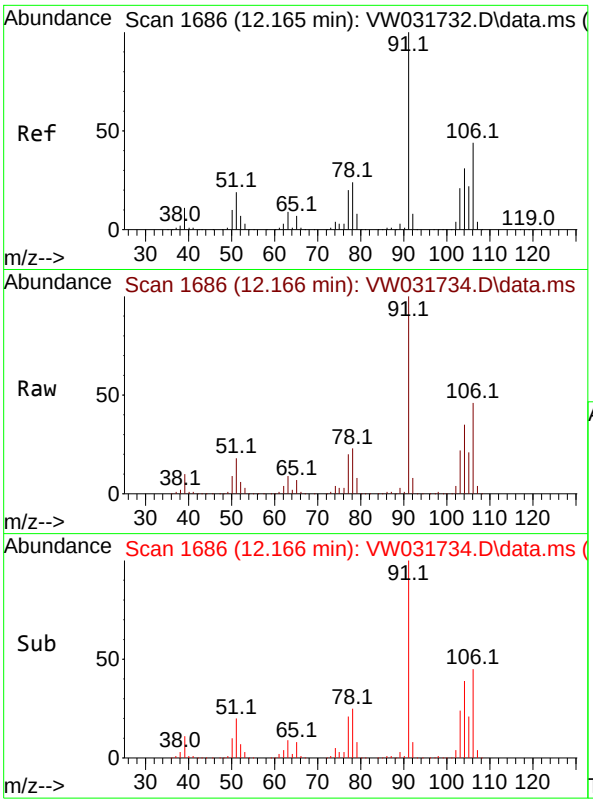


#68
m/p-Xylenes
Concen: 311.770 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:106 Resp: 1571204

Ion	Ratio	Lower	Upper
106	100		
91	205.1	166.4	249.6



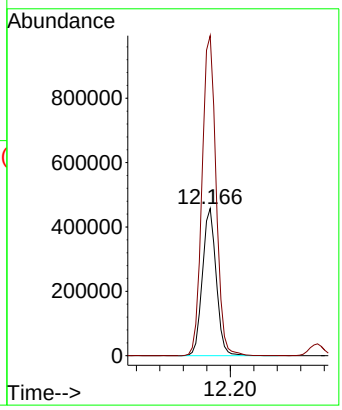


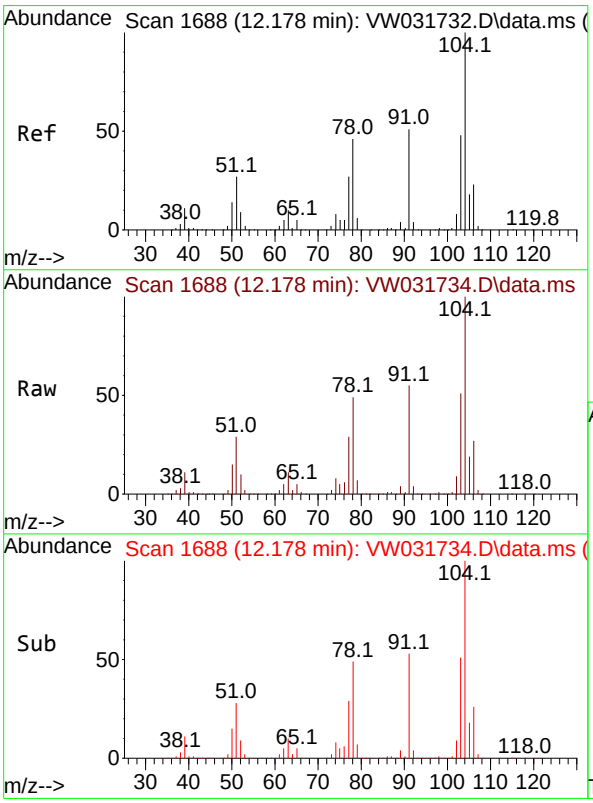
#69
o-Xylene
Concen: 159.389 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 743731

Ion	Ratio	Lower	Upper
106	100		
91	221.4	111.5	334.4

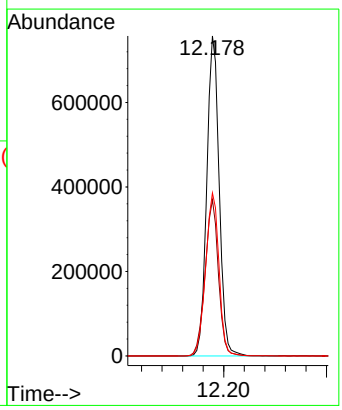


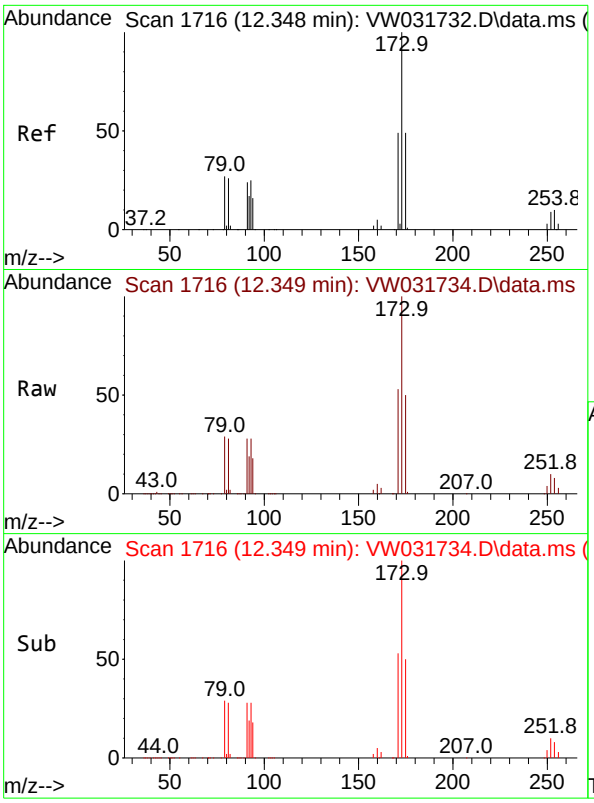


#70
Styrene
Concen: 157.015 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:104 Resp: 1266593

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.1	63.1
103	55.0	43.0	64.6



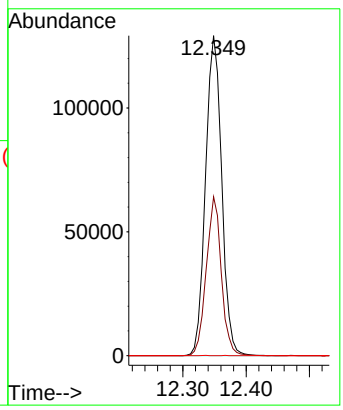


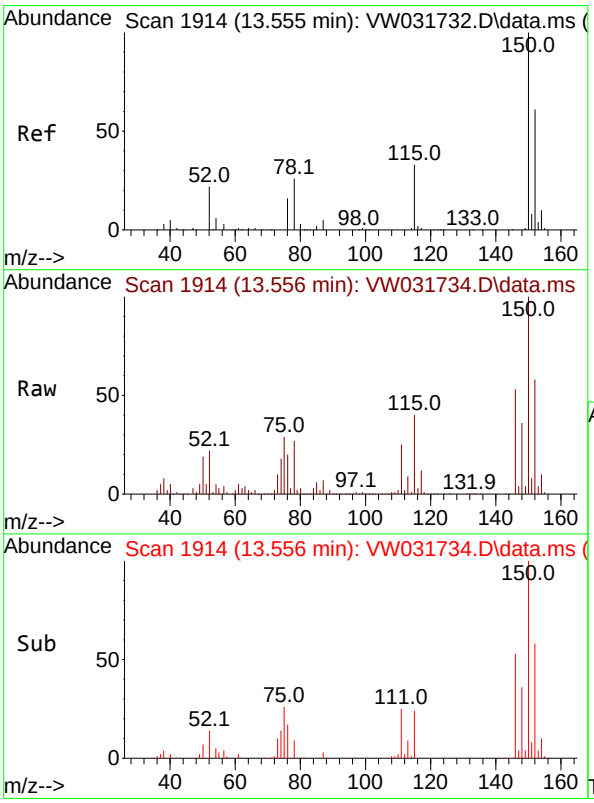
#71
Bromoform
Concen: 159.639 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 229439

Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.0	72.0
254	0.0	0.1	0.1#

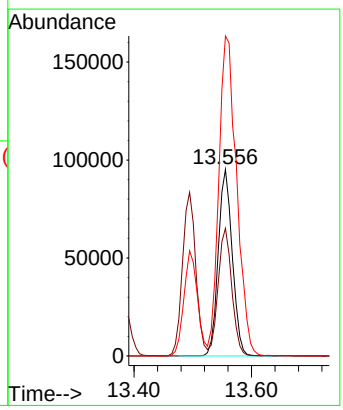


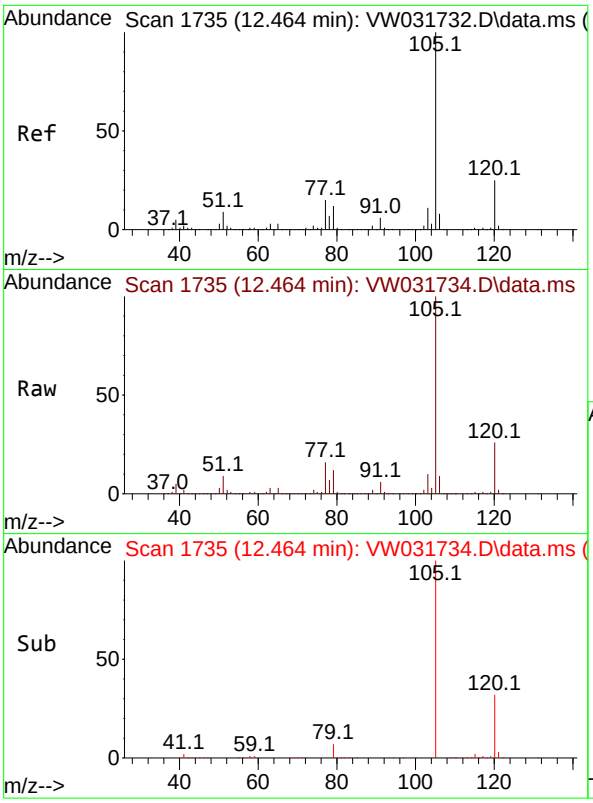


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:152 Resp: 157853

Ion	Ratio	Lower	Upper
152	100		
115	66.4	31.9	95.7
150	216.5	0.0	356.4



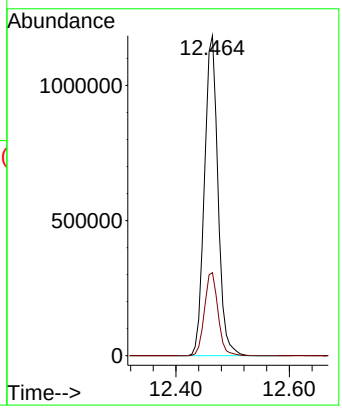


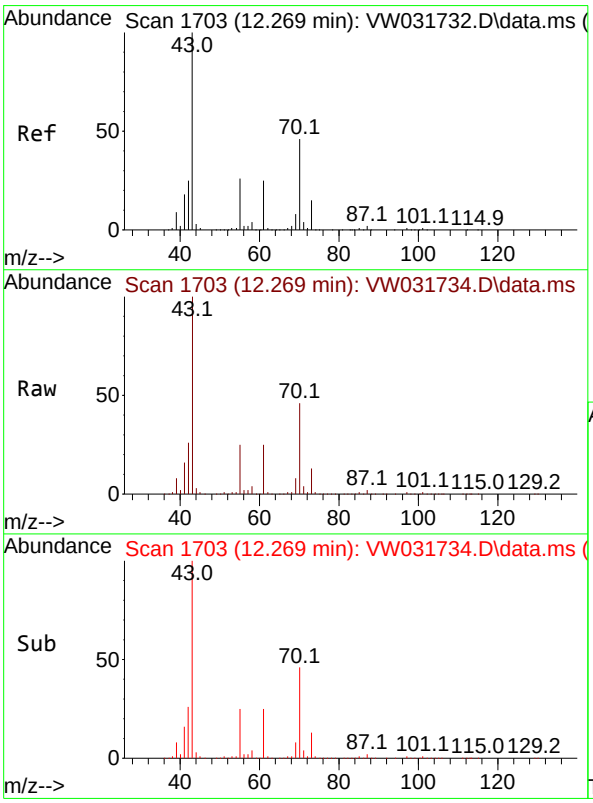
#73
Isopropylbenzene
Concen: 162.971 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1956819

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

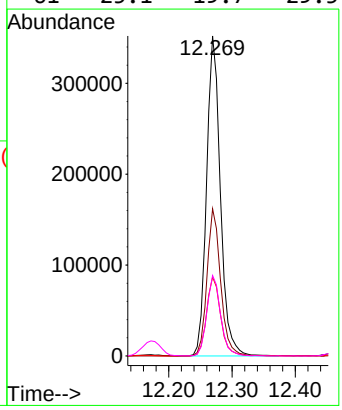


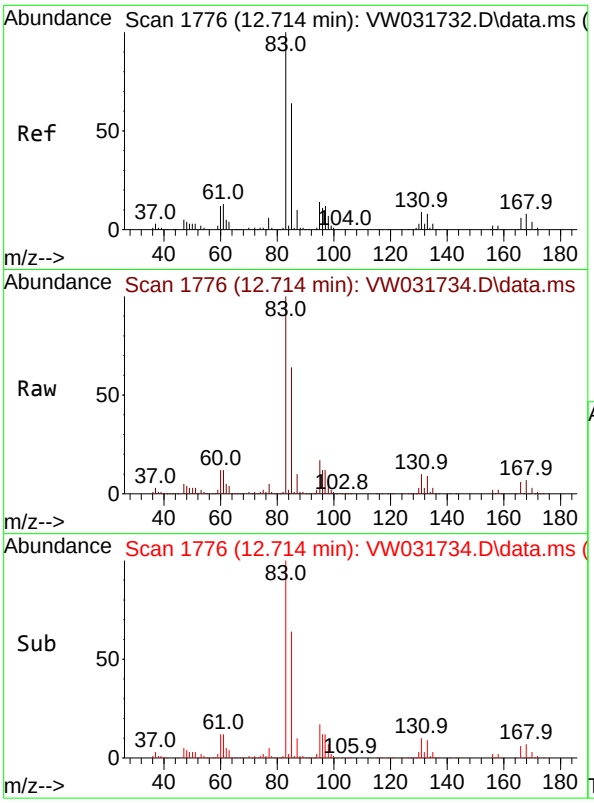


#74
N-amyl acetate
Concen: 165.571 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 43 Resp: 535843

Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.0	54.0
55	25.2	20.8	31.2
61	25.1	19.7	29.5



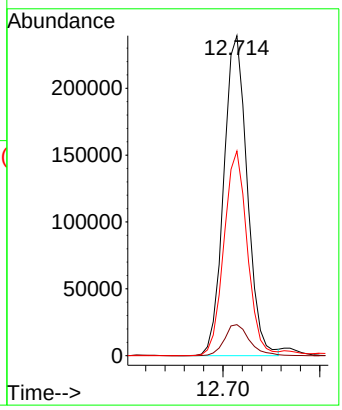


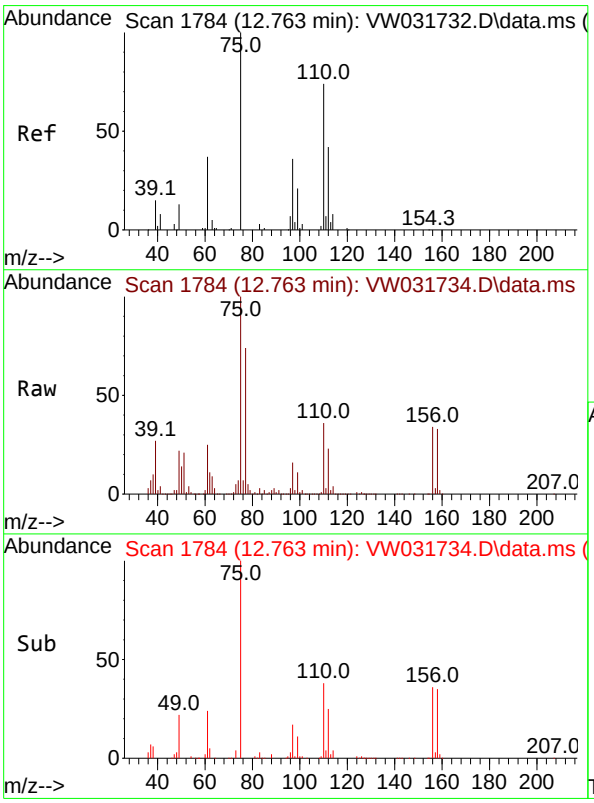
#75
1,1,2,2-Tetrachloroethane
Concen: 151.363 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403490

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	63.5	32.0	96.2

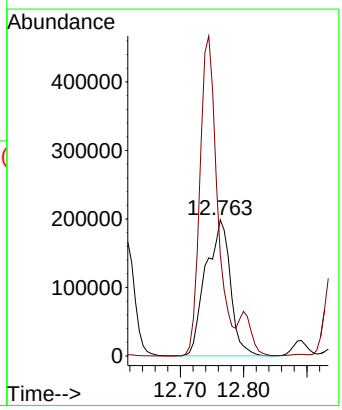


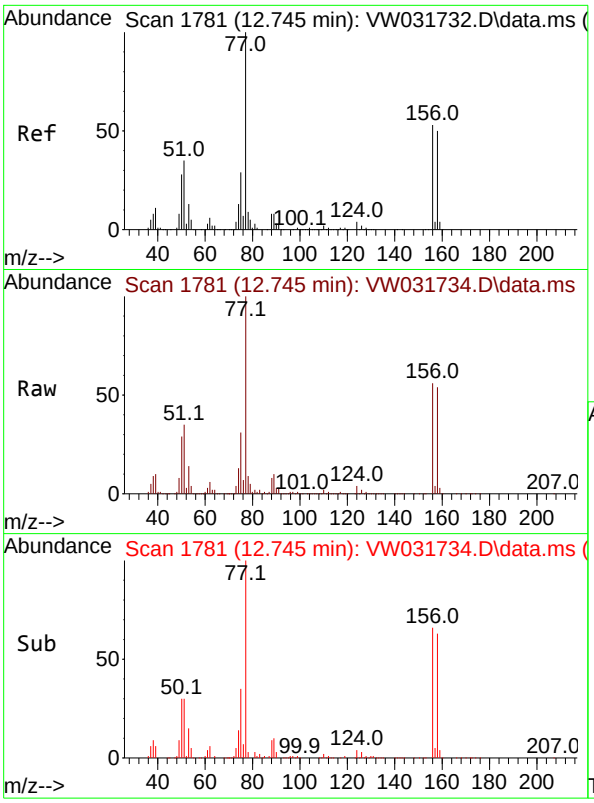


#76
1,2,3-Trichloropropane
Concen: 262.349 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 535167

Ion	Ratio	Lower	Upper
75	100		
77	169.0	141.2	423.6



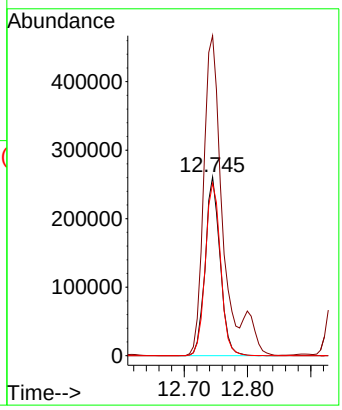


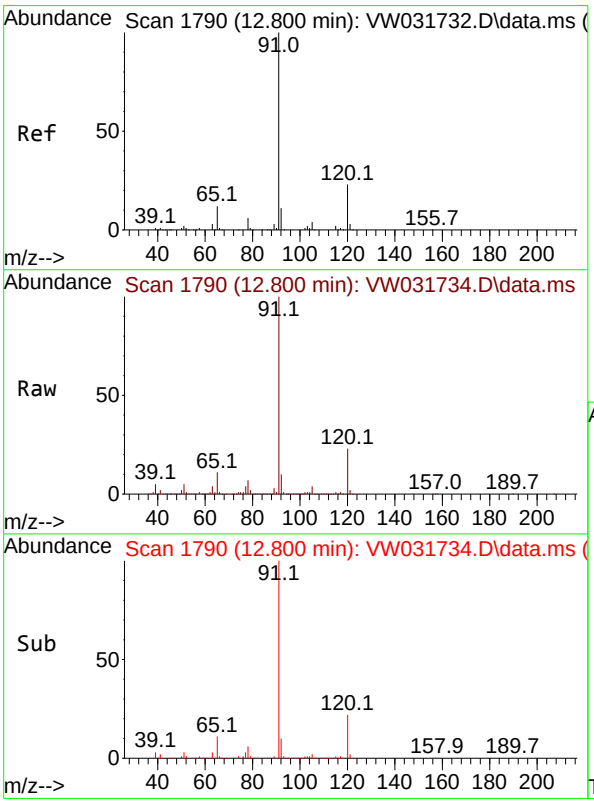
#77
Bromobenzene
Concen: 159.479 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 427085

Ion	Ratio	Lower	Upper
156	100		
77	211.8	117.9	353.7
158	99.2	52.6	157.8

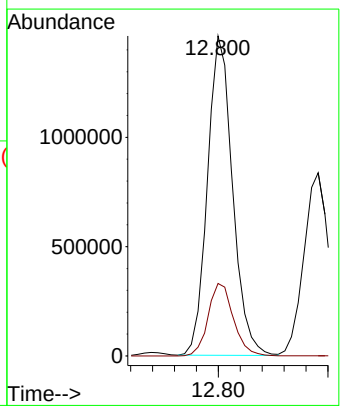


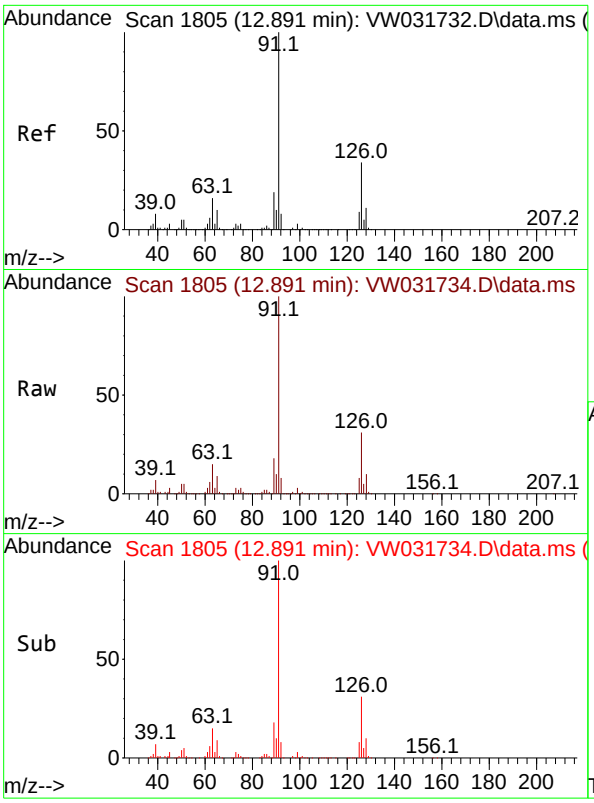


#78
n-propylbenzene
Concen: 161.670 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 2324539

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4



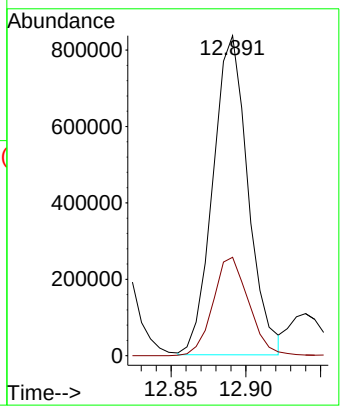


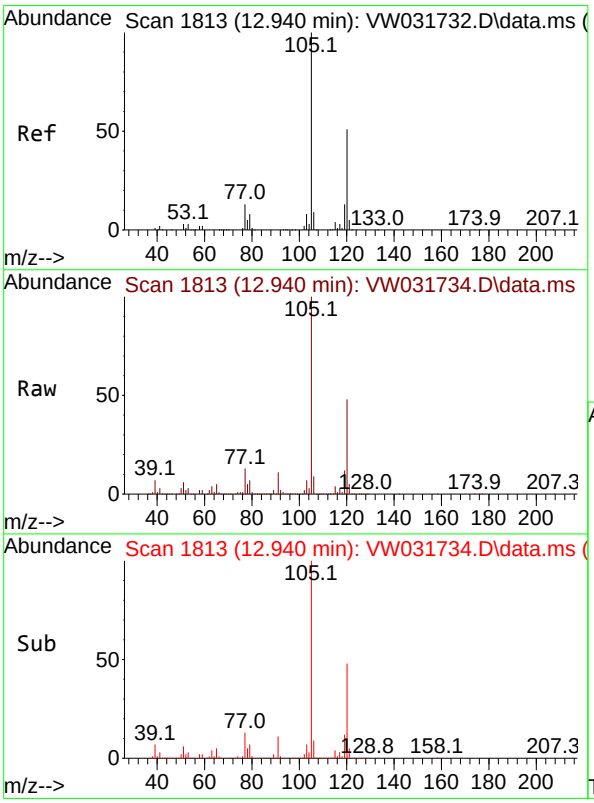
#79
2-Chlorotoluene
Concen: 157.800 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1366267

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.4

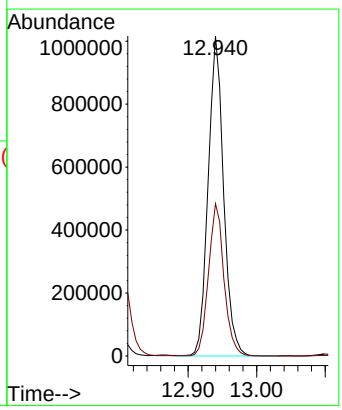


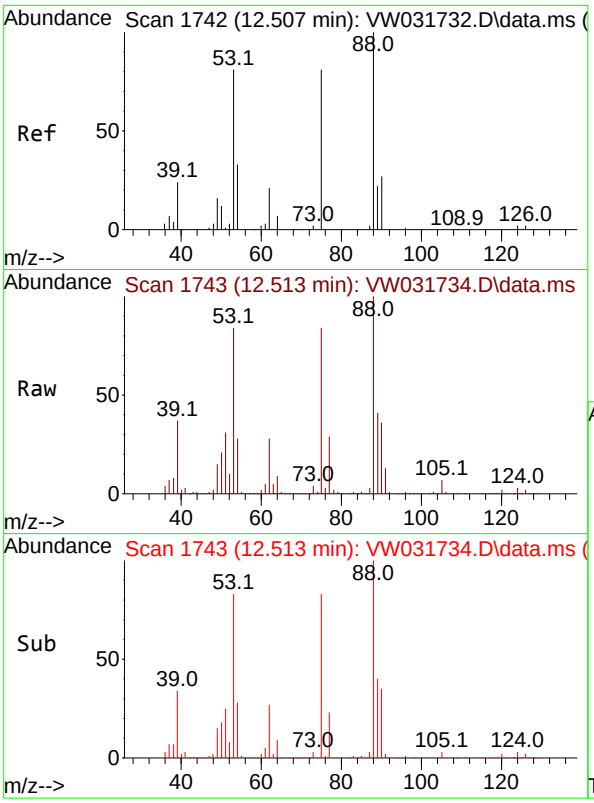


#80
1,3,5-Trimethylbenzene
Concen: 160.332 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 1593533

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.2



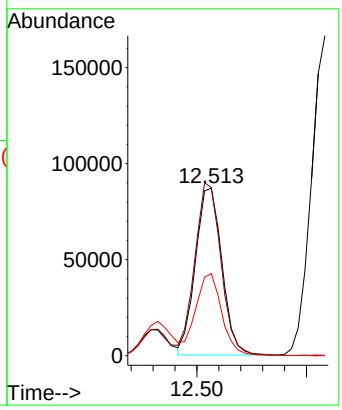


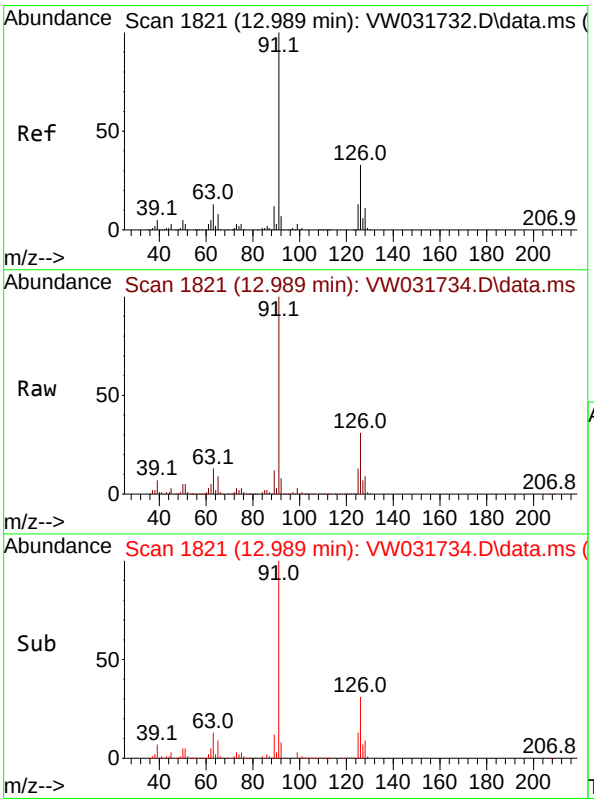
#81
trans-1,4-Dichloro-2-butene
Concen: 166.866 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 146143

Ion	Ratio	Lower	Upper
75	100		
53	102.5	83.5	125.3
89	48.9	38.3	57.5

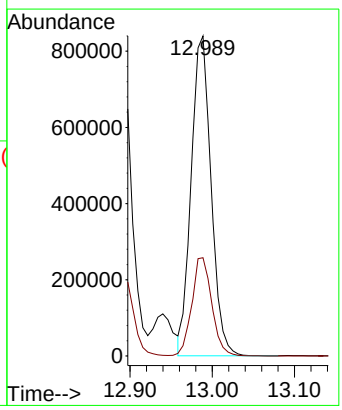


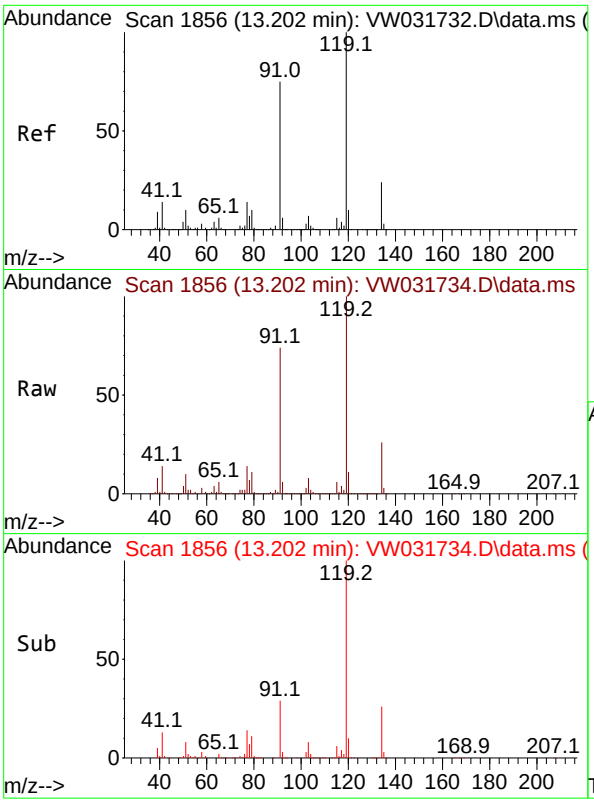


#82
4-Chlorotoluene
Concen: 155.153 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 91 Resp: 1410360

Ion	Ratio	Lower	Upper
91	100		
126	30.9	16.0	47.9



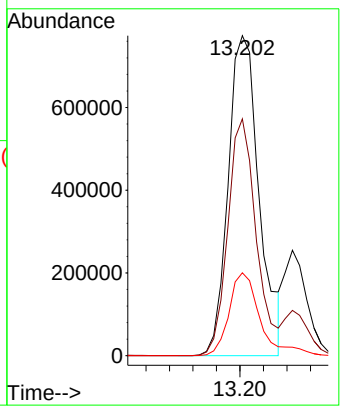


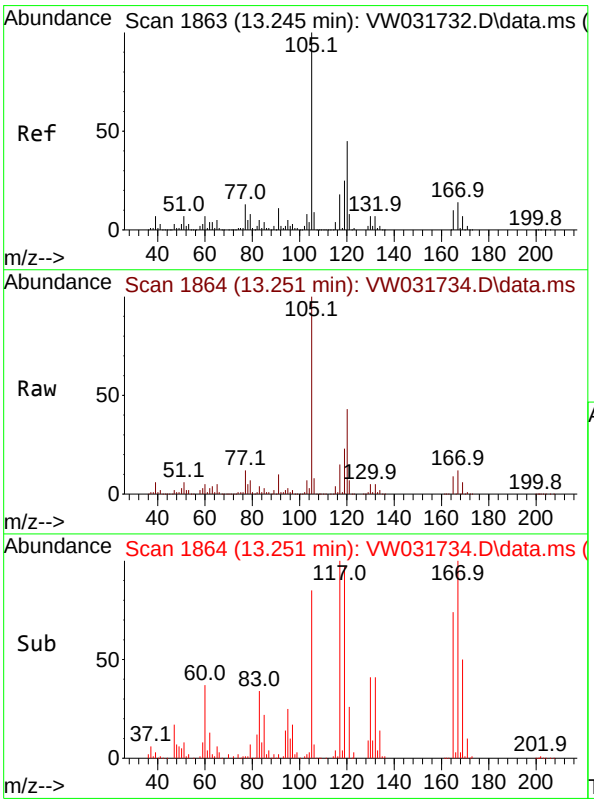
#83
tert-Butylbenzene
Concen: 166.594 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1418313

Ion	Ratio	Lower	Upper
119	100		
91	68.0	36.0	108.1
134	26.0	12.4	37.2

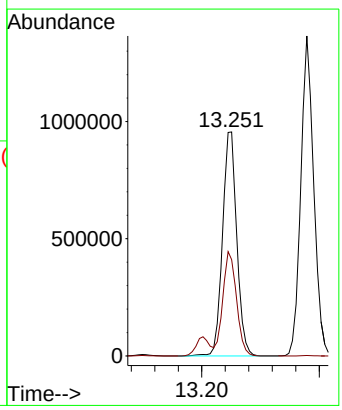


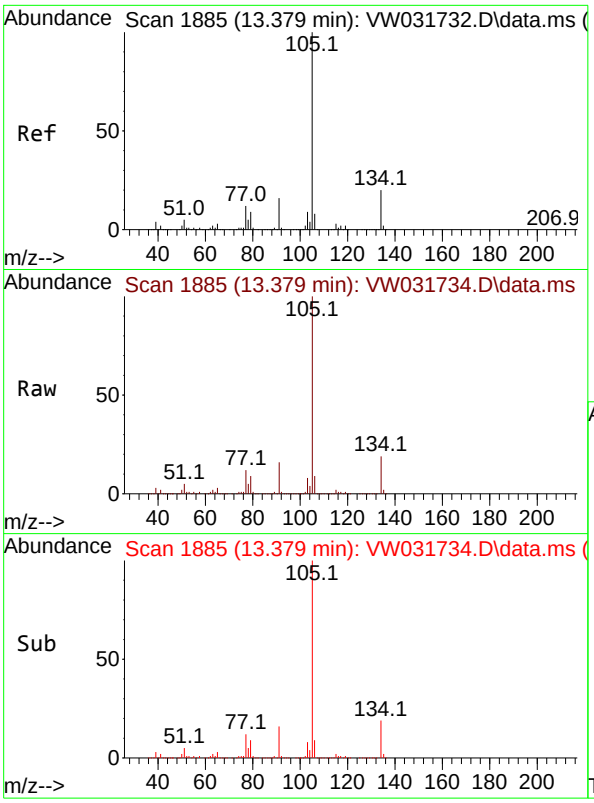


#84
1,2,4-Trimethylbenzene
Concen: 159.853 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:105 Resp: 1609766

Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1



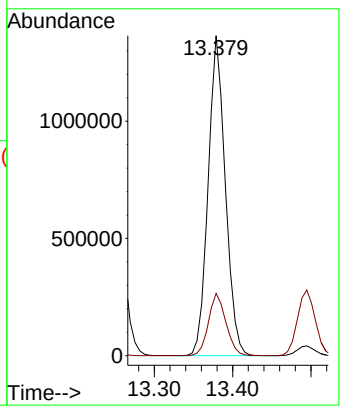


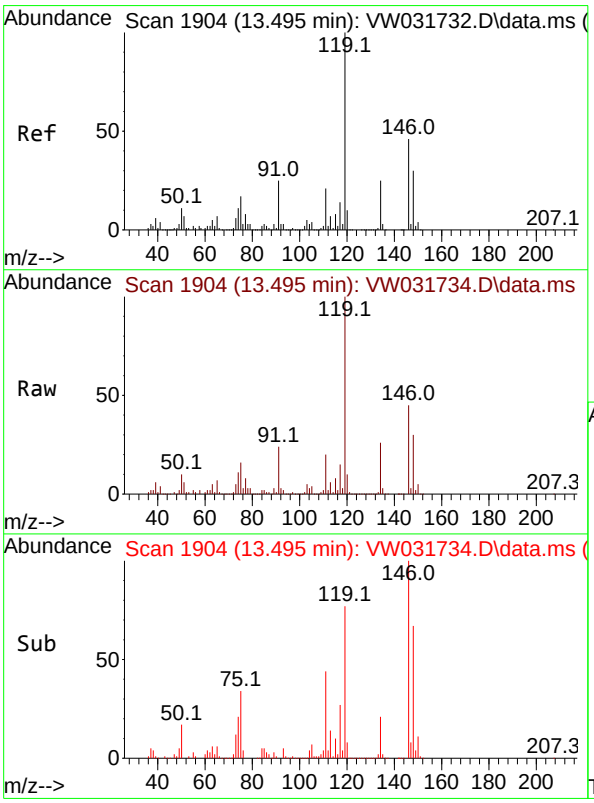
#85
sec-Butylbenzene
Concen: 162.545 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2077110

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.6	28.8

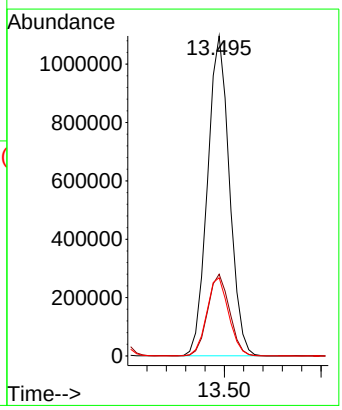


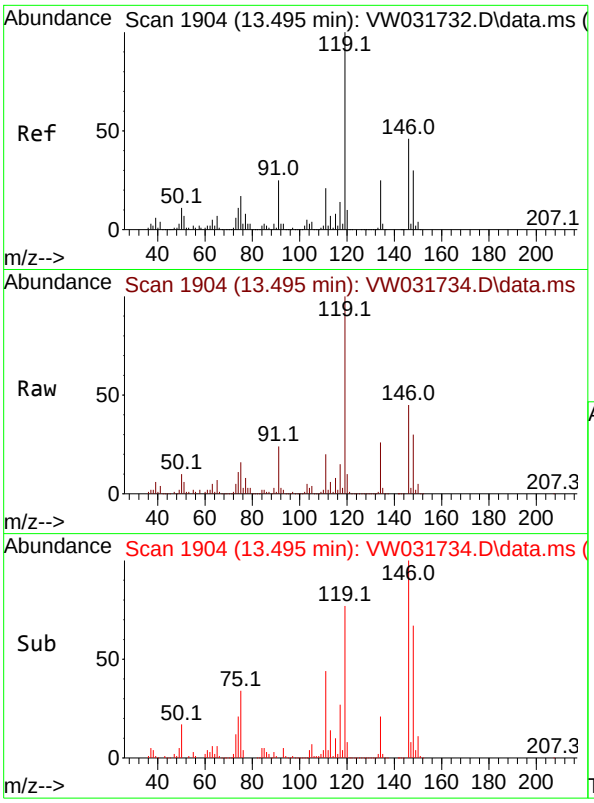


#86
p-Isopropyltoluene
Concen: 163.804 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:119 Resp: 1725089

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	24.5	12.7	38.0



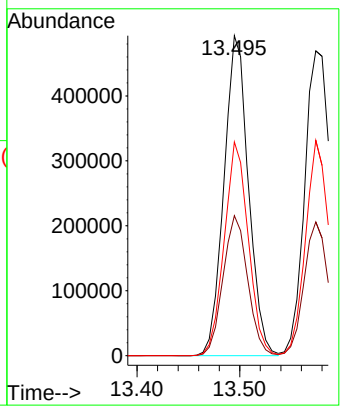


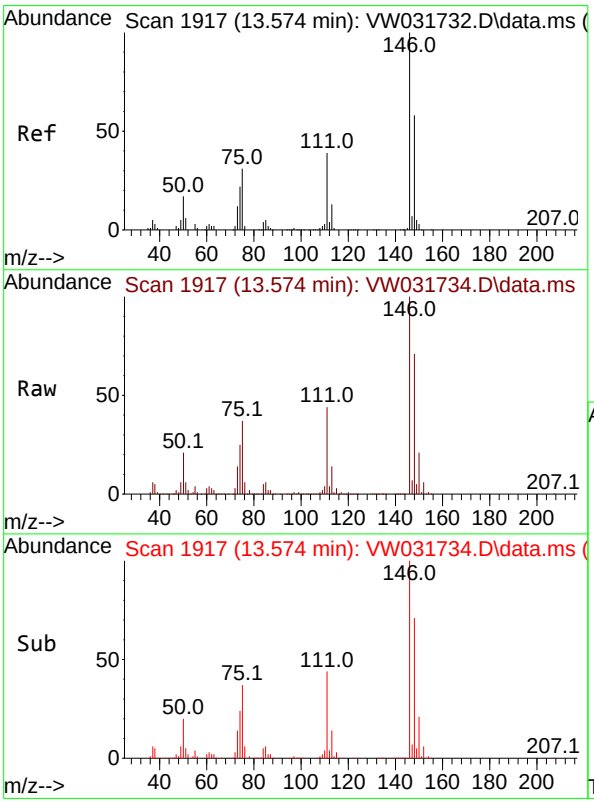
#87
1,3-Dichlorobenzene
Concen: 151.913 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 815863

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.9
148	65.6	31.8	95.4

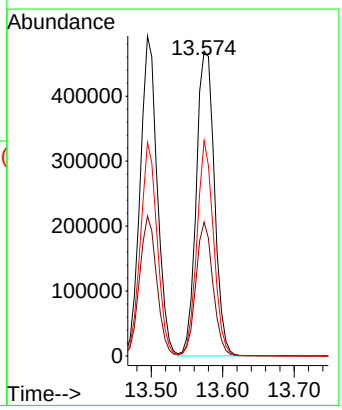


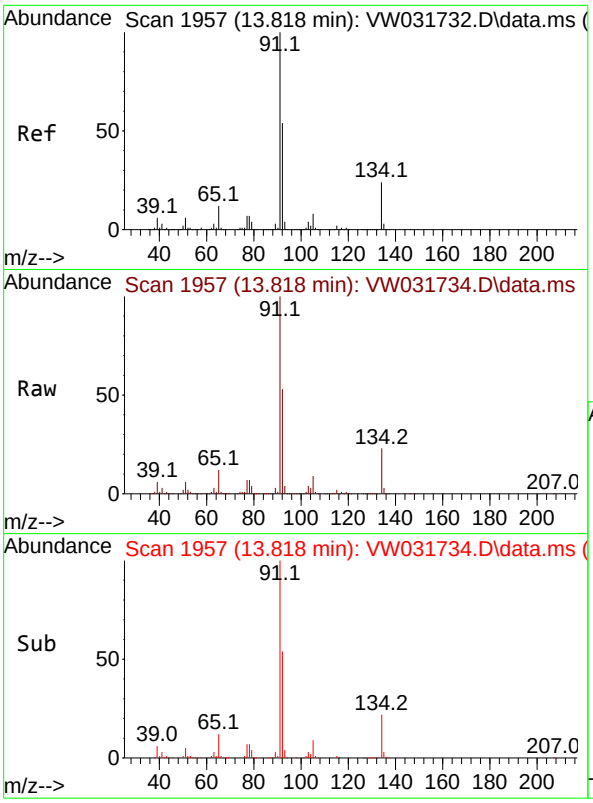


#88
1,4-Dichlorobenzene
Concen: 150.344 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:146 Resp: 826448

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	64.6	30.2	90.6



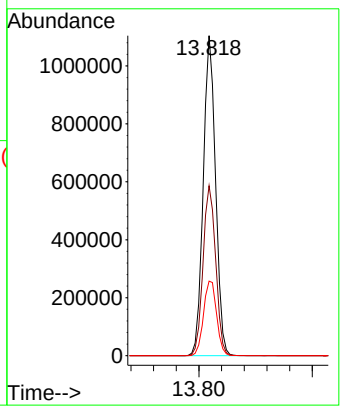


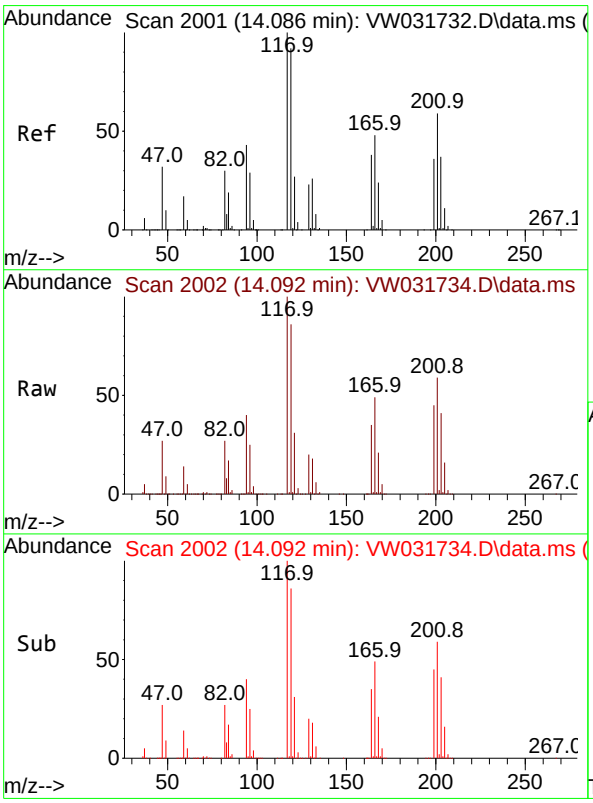
#89
n-Butylbenzene
Concen: 162.473 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1662481

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	24.8	12.2	36.6

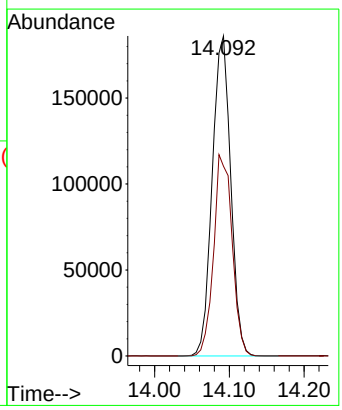


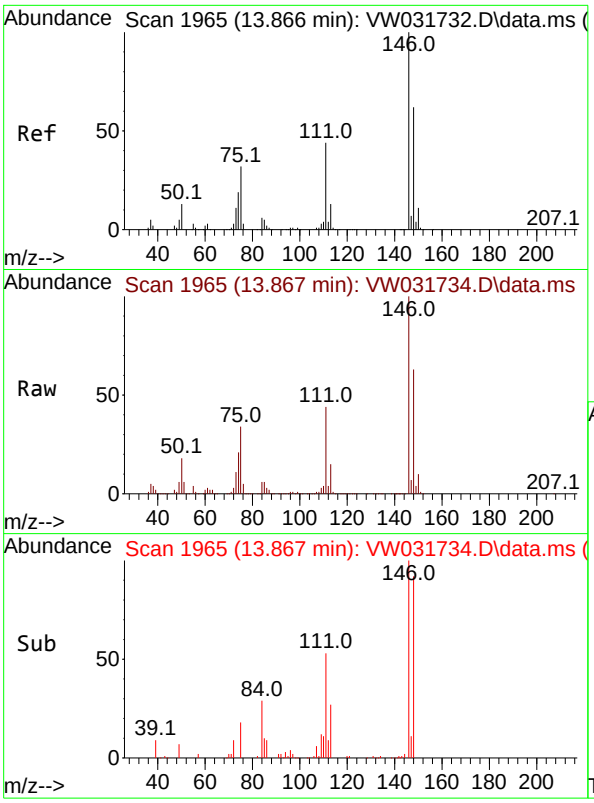


#90
Hexachloroethane
Concen: 168.248 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:117 Resp: 319664

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.1	93.3



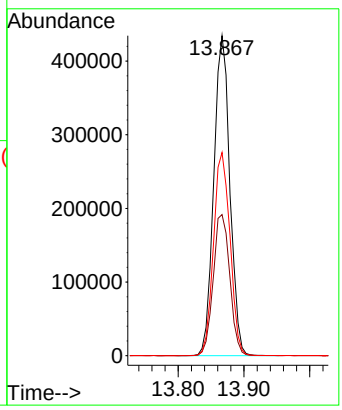


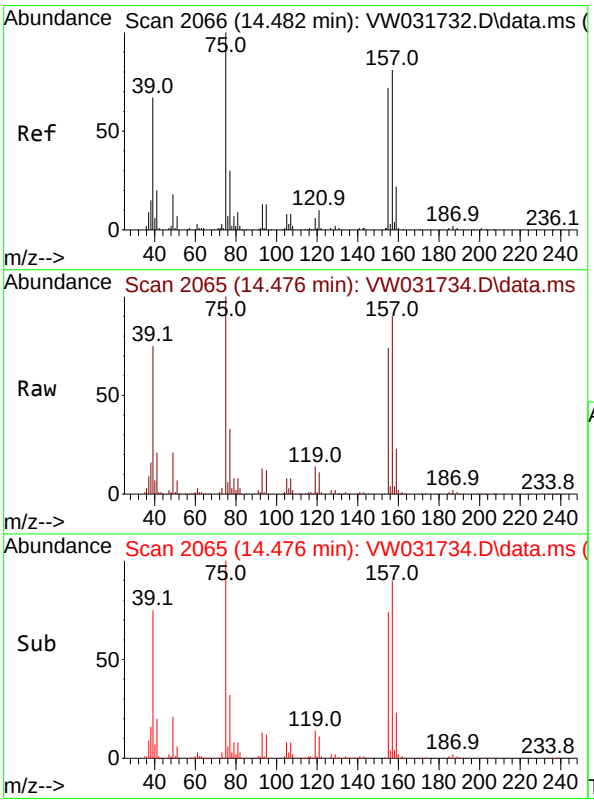
#91
1,2-Dichlorobenzene
Concen: 150.818 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 740320

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.7	65.1
148	65.1	29.8	89.5

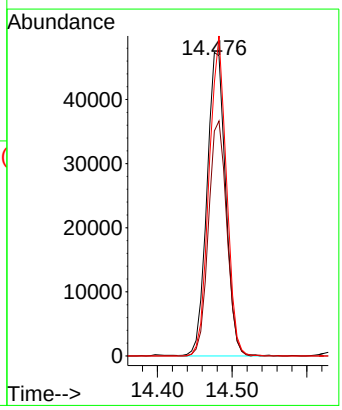


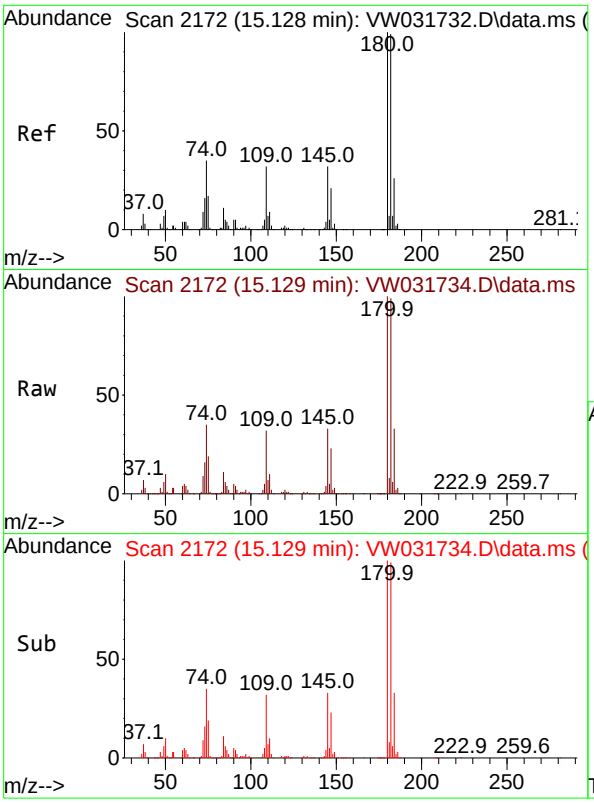


#92
1,2-Dibromo-3-Chloropropane
Concen: 158.471 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion: 75 Resp: 82484

Ion	Ratio	Lower	Upper
75	100		
155	75.6	37.2	111.6
157	97.6	45.6	136.9



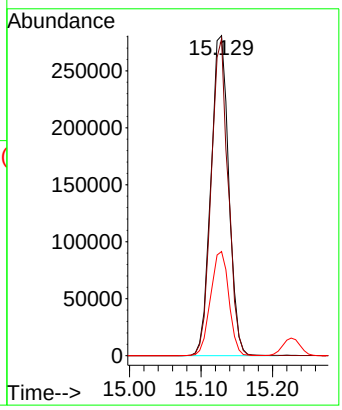


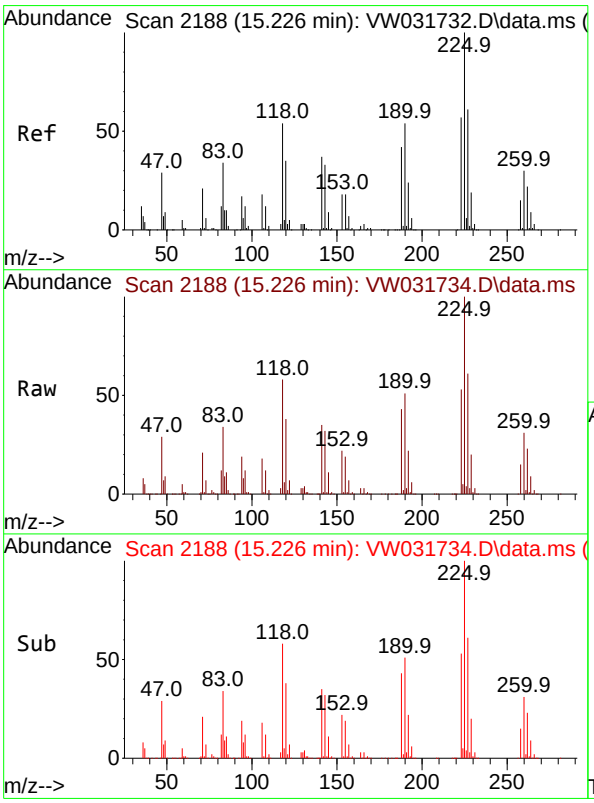
#93
1,2,4-Trichlorobenzene
Concen: 160.827 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 486869

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.6	145.9
145	33.5	17.3	51.7

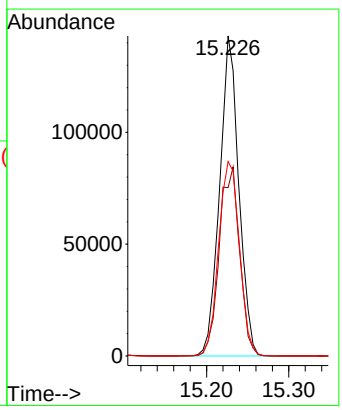


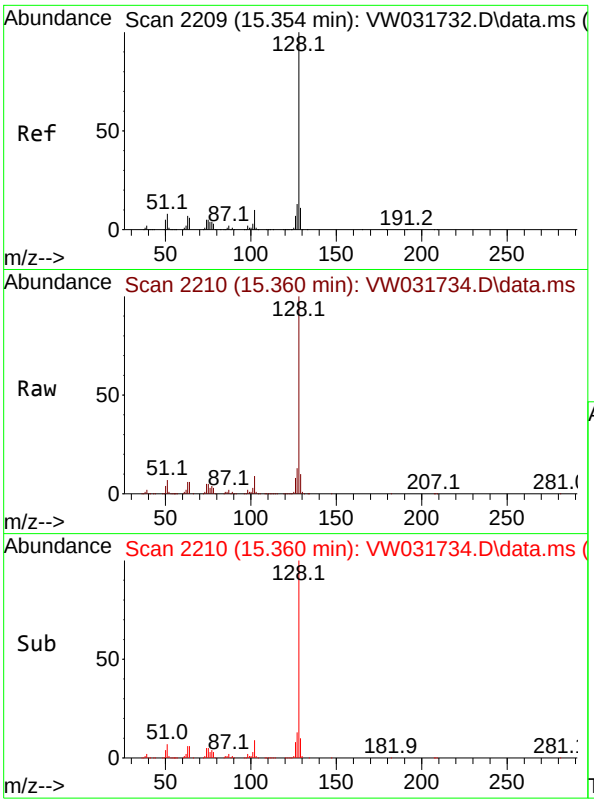


#94
Hexachlorobutadiene
Concen: 158.470 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:225 Resp: 231652

Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.6	97.8
227	66.1	37.3	111.8



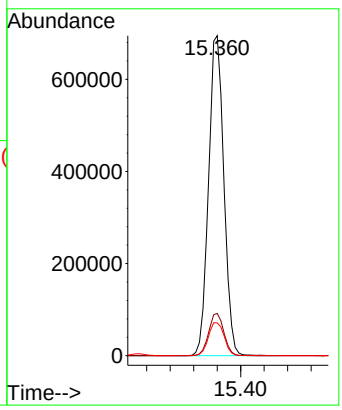


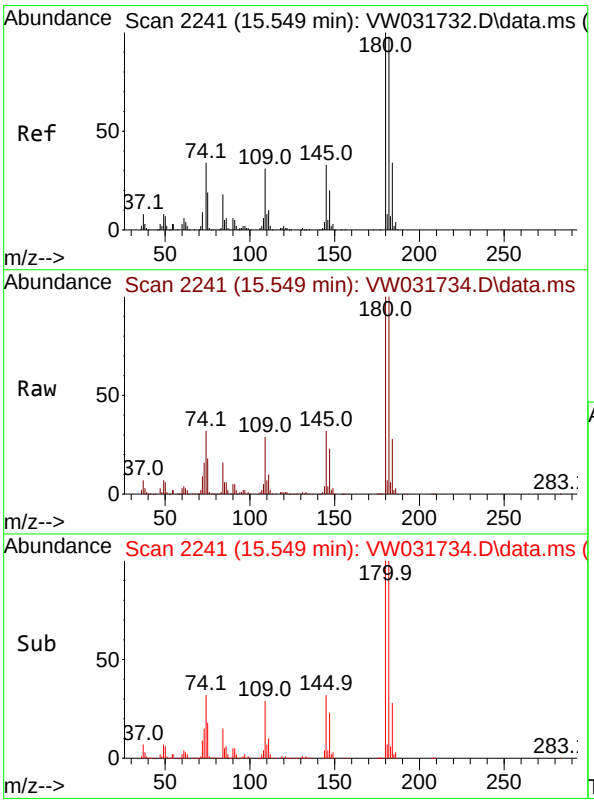
#95
Naphthalene
Concen: 169.258 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1256199

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.7	8.7	13.1

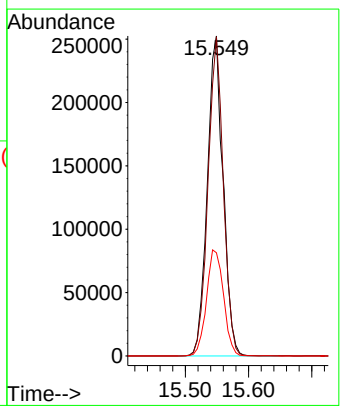




#96
1,2,3-Trichlorobenzene
Concen: 157.584 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031734.D
Acq: 30 Jun 2025 12:55

Tgt Ion:180 Resp: 438342

Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.4	139.1
145	35.8	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.840%			
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.220%			
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l		97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l		99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l		99
44) Trichloroethene	9.099	130	147985	52.391	ug/l		99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l		95
46) Dibromomethane	9.465	93	92714	52.504	ug/l		98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l		99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l		94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l		100
52) Toluene	10.392	92	394923	54.503	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l		96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l		98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l		98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l		97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l		100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l		98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l		96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l		95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l		94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l		99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l		98
69) o-Xylene	12.166	106	274498	57.208	ug/l		98
70) Styrene	12.178	104	469288	56.574	ug/l		99
71) Bromoform	12.348	173	86209	58.331	ug/l		99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l		99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	211061	94.733	ug/l		36
77) Bromobenzene	12.745	156	164306	56.175	ug/l		85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l		100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l		97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l		99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l		99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l		100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l		97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l		100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l		99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l		99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l		97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l		91
95) Naphthalene	15.354	128	461350	56.915	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

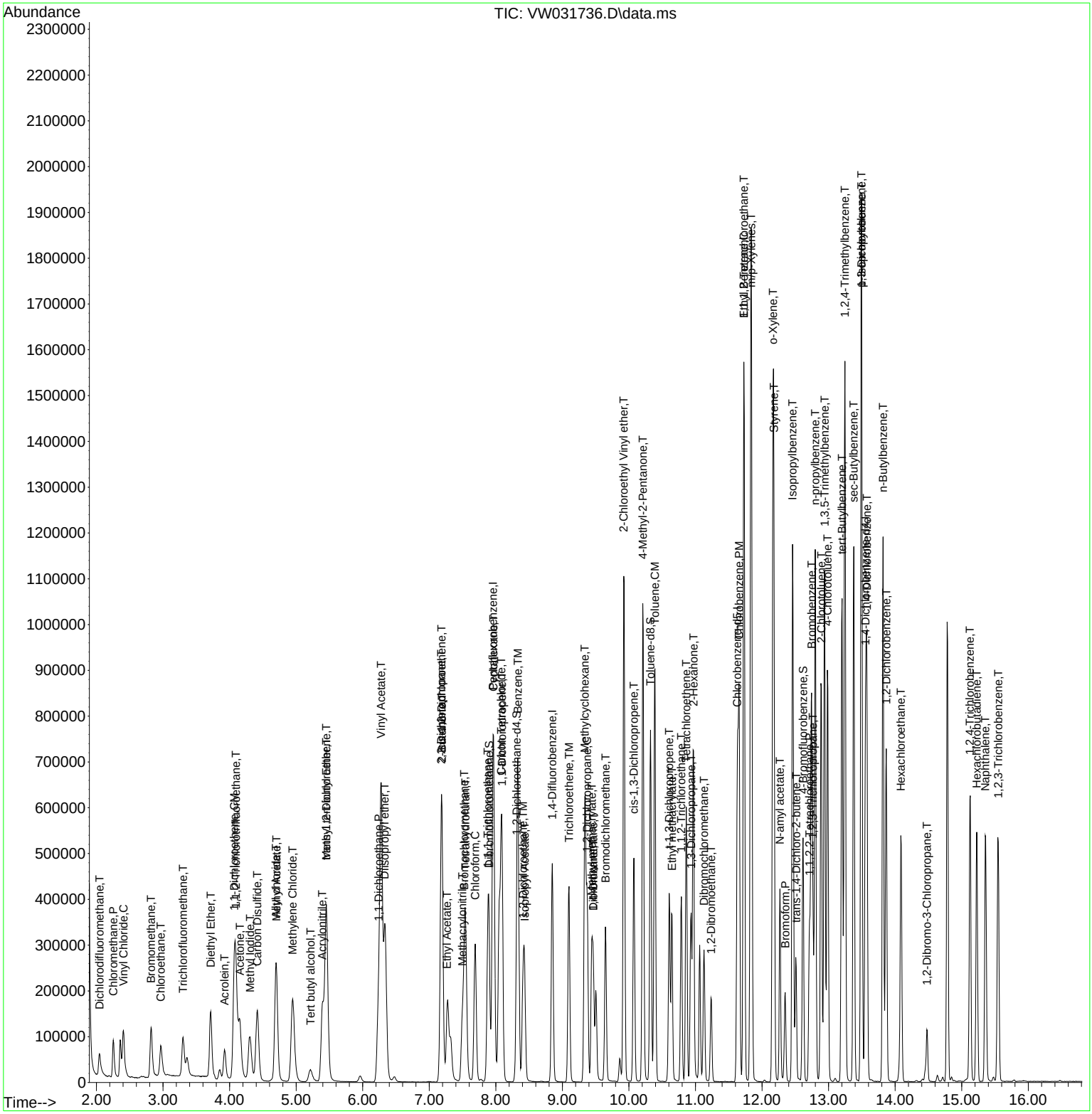
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

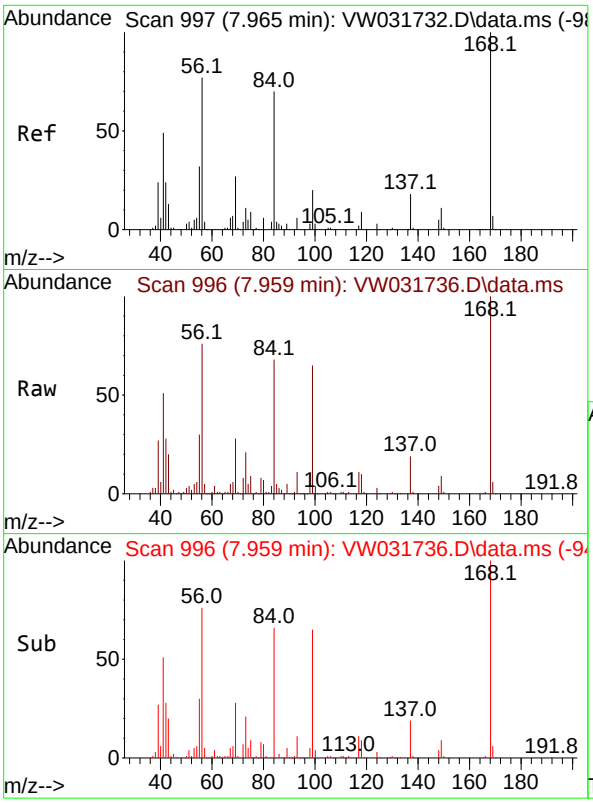
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



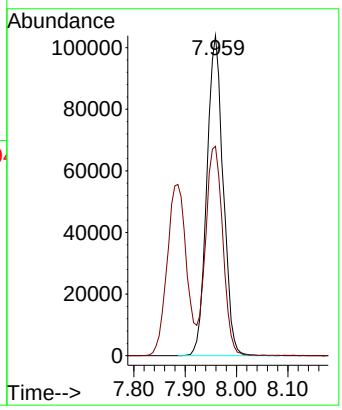


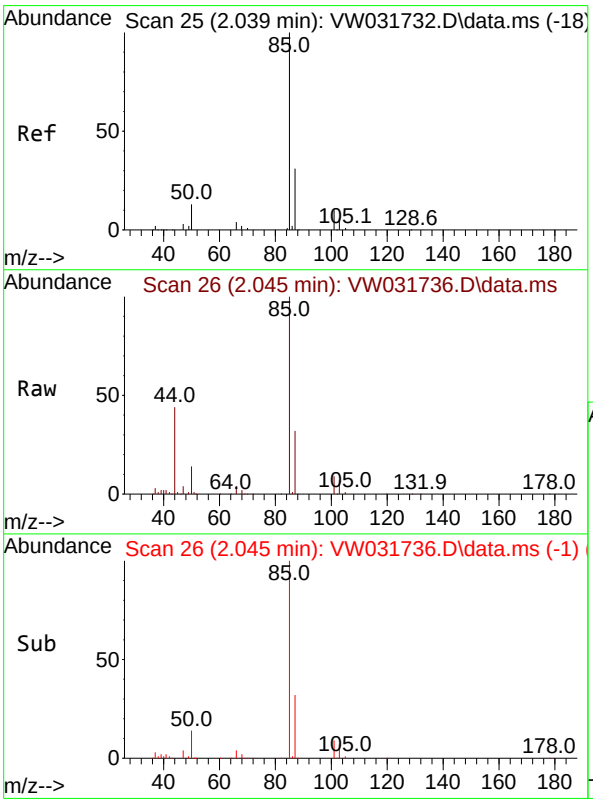
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:168 Resp: 228661

Ion	Ratio	Lower	Upper
168	100		
99	65.3	49.4	74.2

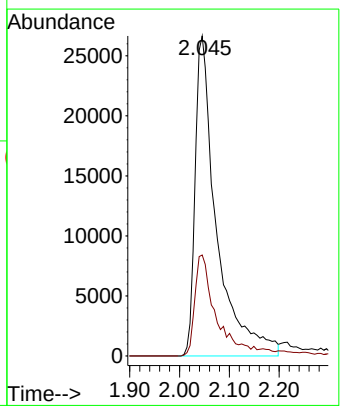


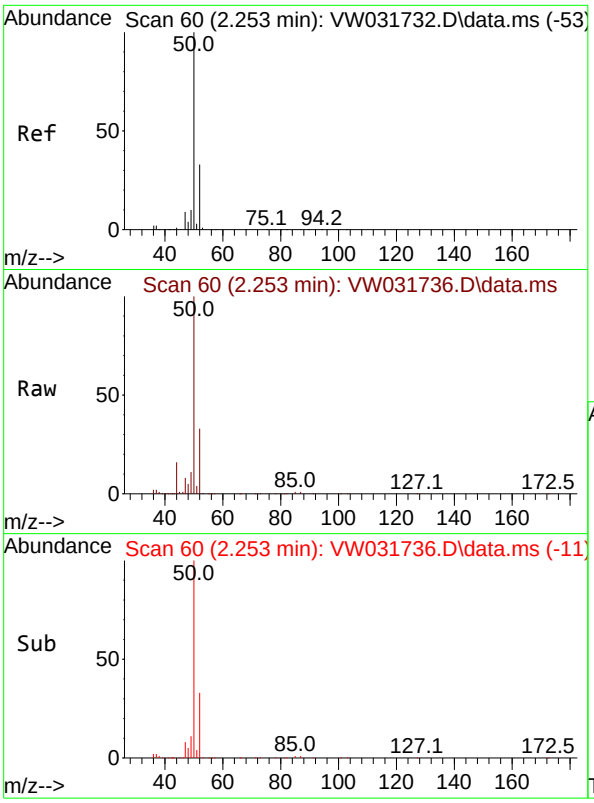


#2
Dichlorodifluoromethane
Concen: 51.196 ug/l
RT: 2.045 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 85 Resp: 79725

Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.4	46.2



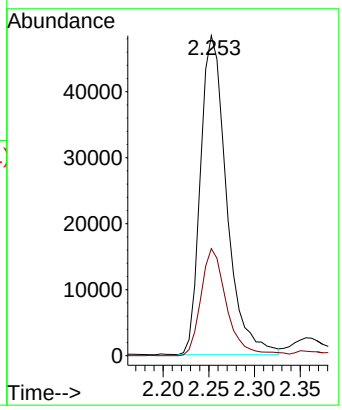


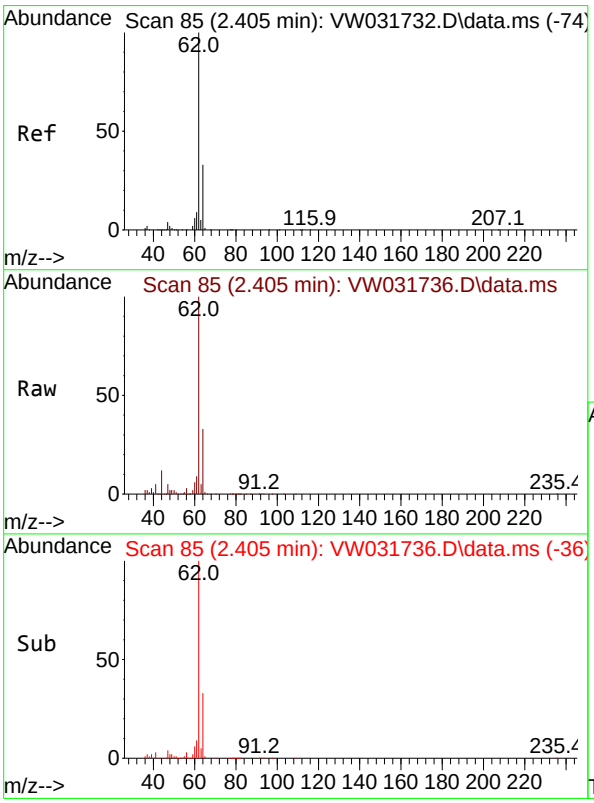
#3
Chloromethane
Concen: 51.243 ug/l
RT: 2.253 min Scan# 6
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 50 Resp: 96206

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.2	39.2

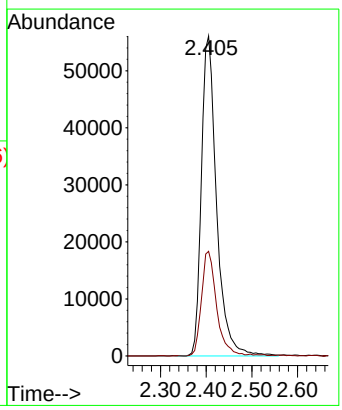


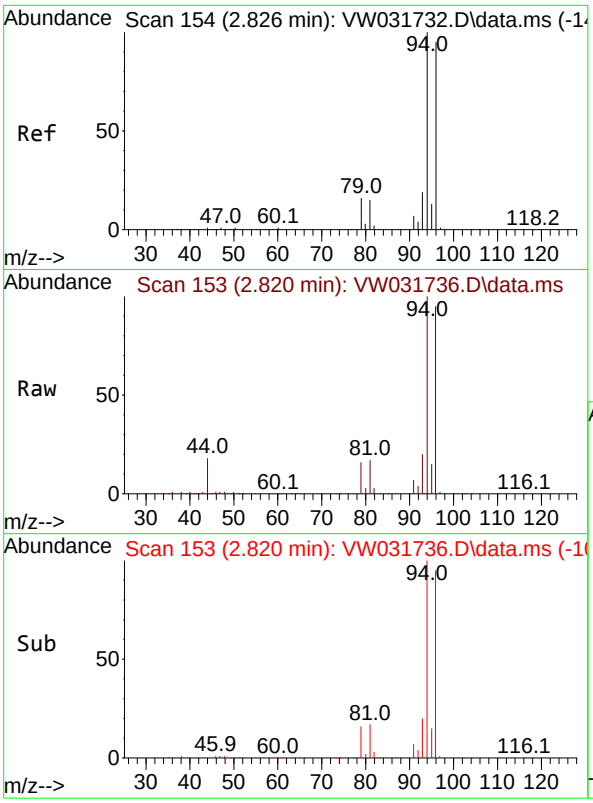


#4
Vinyl Chloride
Concen: 52.290 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 129034

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.8	40.2



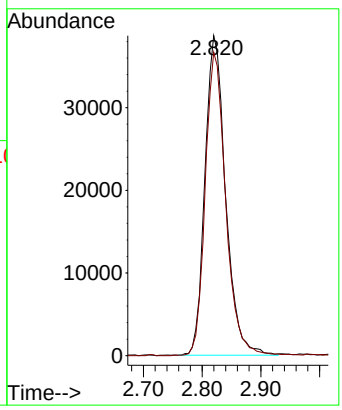


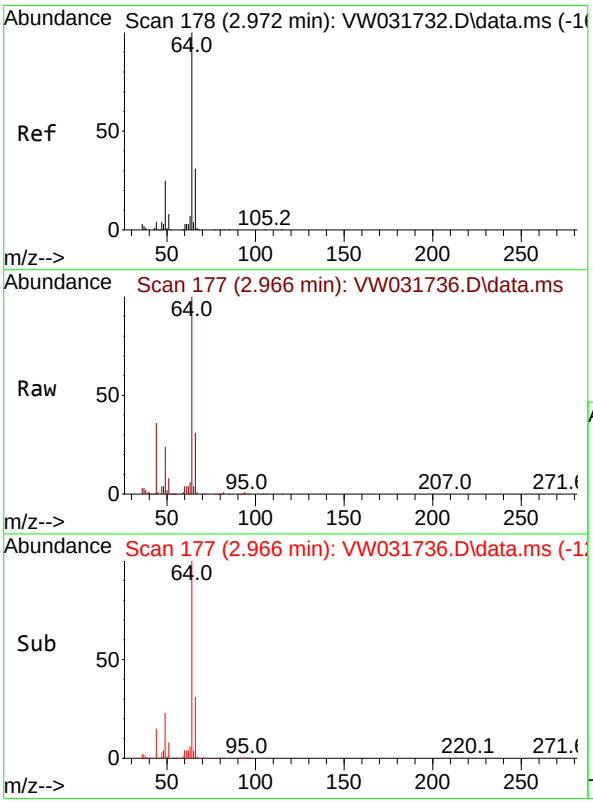
#5
Bromomethane
Concen: 49.075 ug/l
RT: 2.820 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 94 Resp: 94589

Ion	Ratio	Lower	Upper
94	100		
96	94.8	75.6	113.4

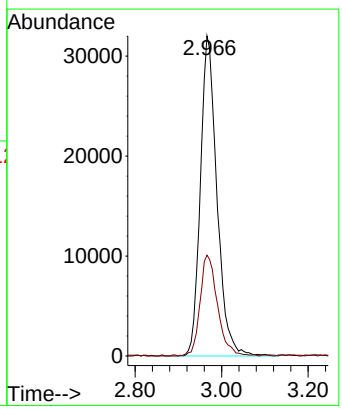


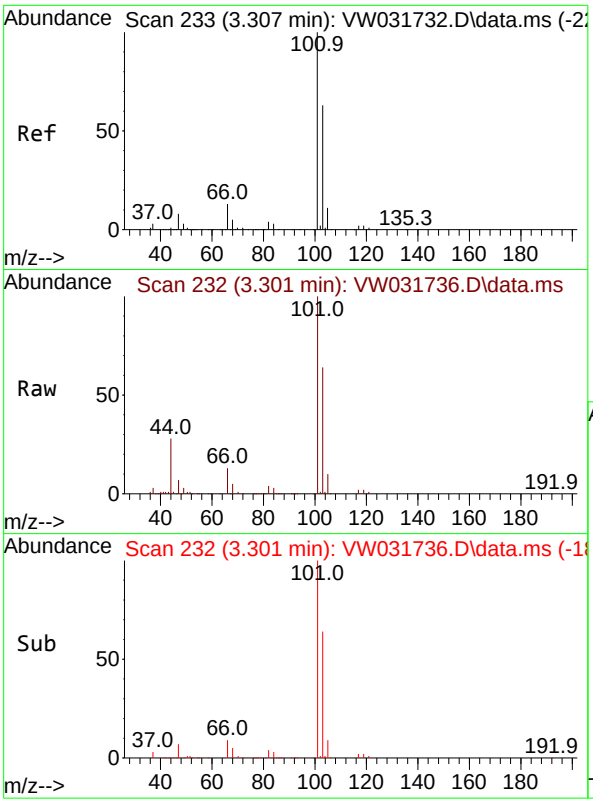


#6
Chloroethane
Concen: 50.785 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 64 Resp: 85126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	24.5	36.7



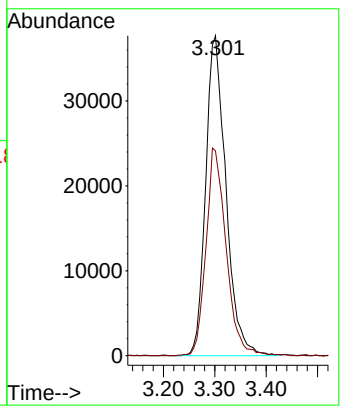


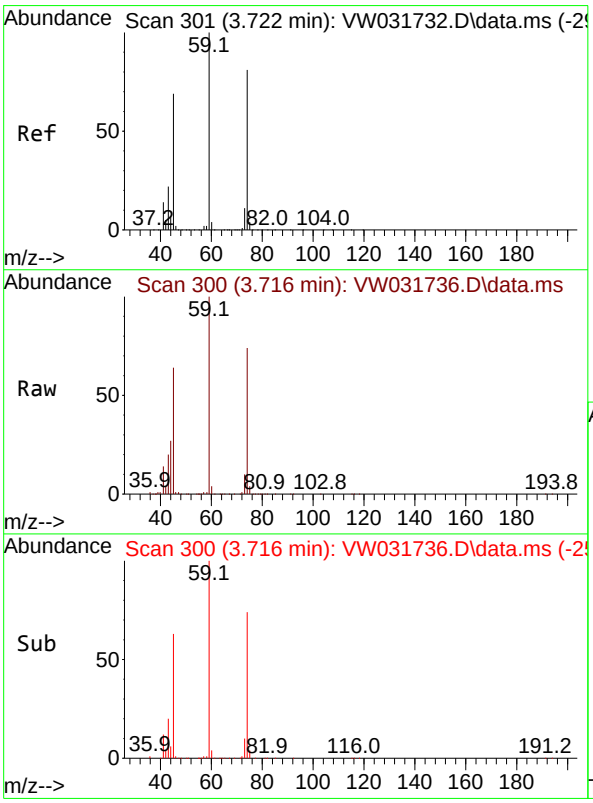
#7
Trichlorofluoromethane
Concen: 45.877 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:101 Resp: 102813

Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.2	75.4

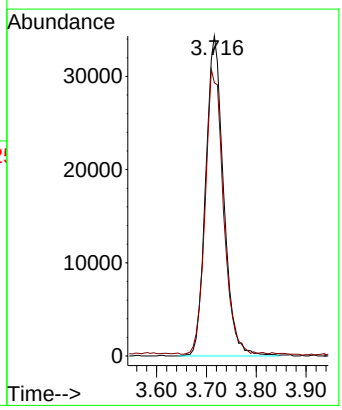


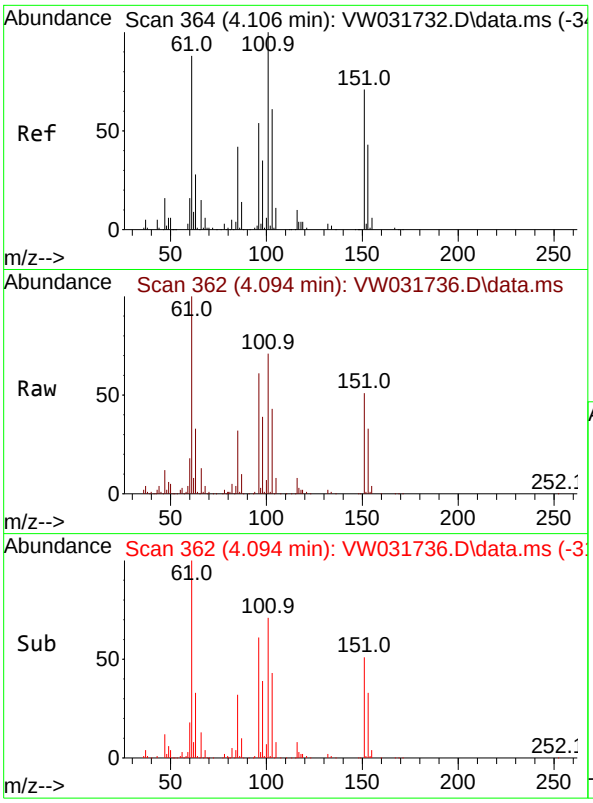


#8
Diethyl Ether
Concen: 50.236 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 74 Resp: 85549

Ion	Ratio	Lower	Upper
74	100		
45	90.5	43.9	131.7



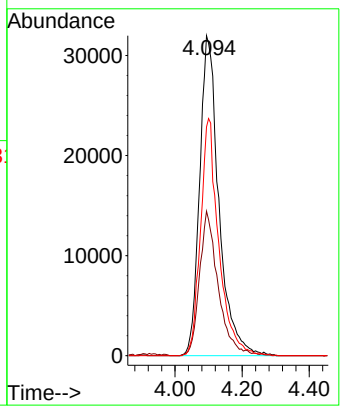


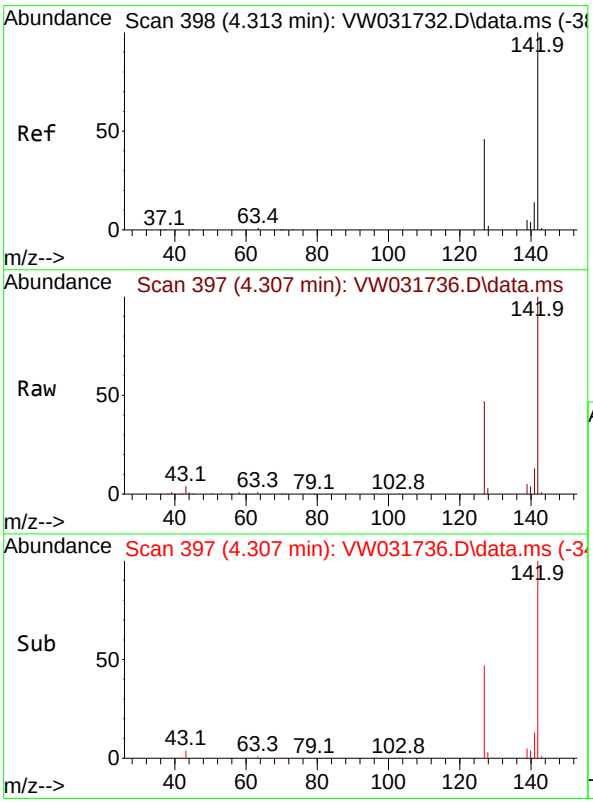
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.130 ug/l
RT: 4.094 min Scan# 3
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:101 Resp: 127184

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.6	53.4
151	70.3	56.8	85.2

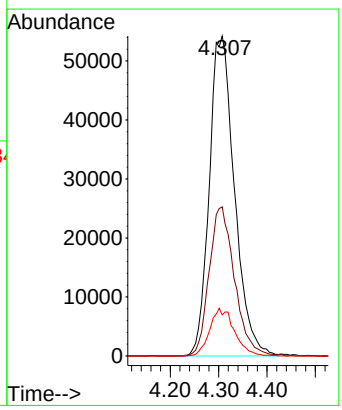


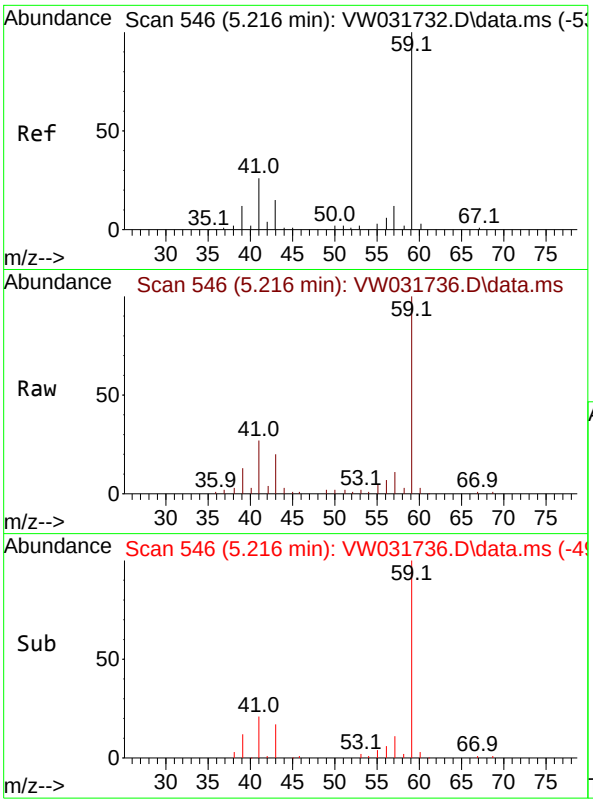


#10
Methyl Iodide
Concen: 51.168 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:142 Resp: 196219

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.9	56.9
141	14.6	11.7	17.5



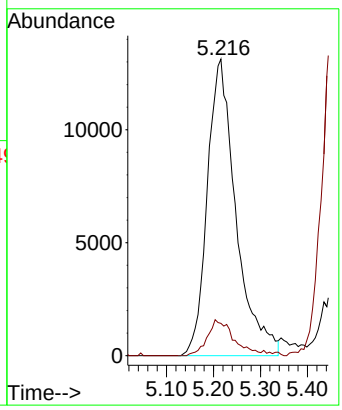


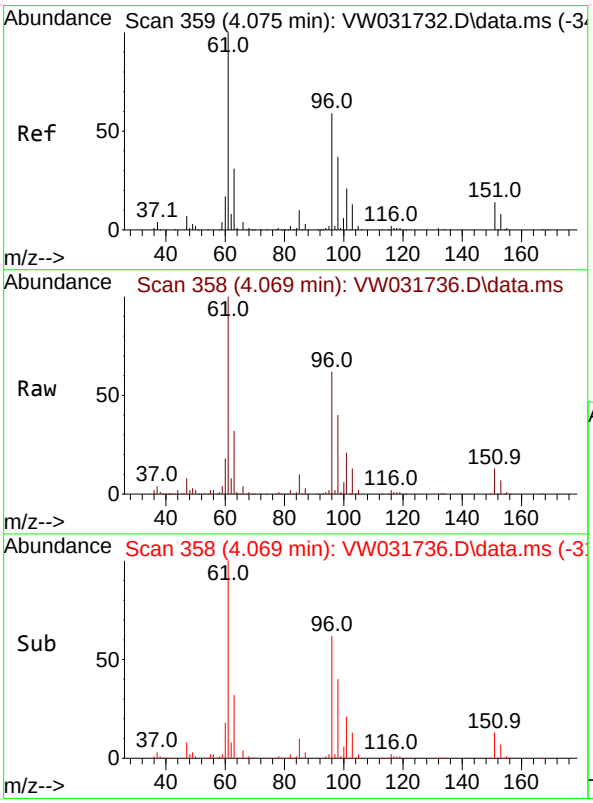
#11
Tert butyl alcohol
Concen: 273.466 ug/l
RT: 5.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 59 Resp: 55596

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.5	14.3

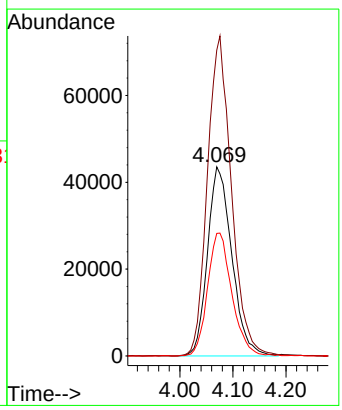


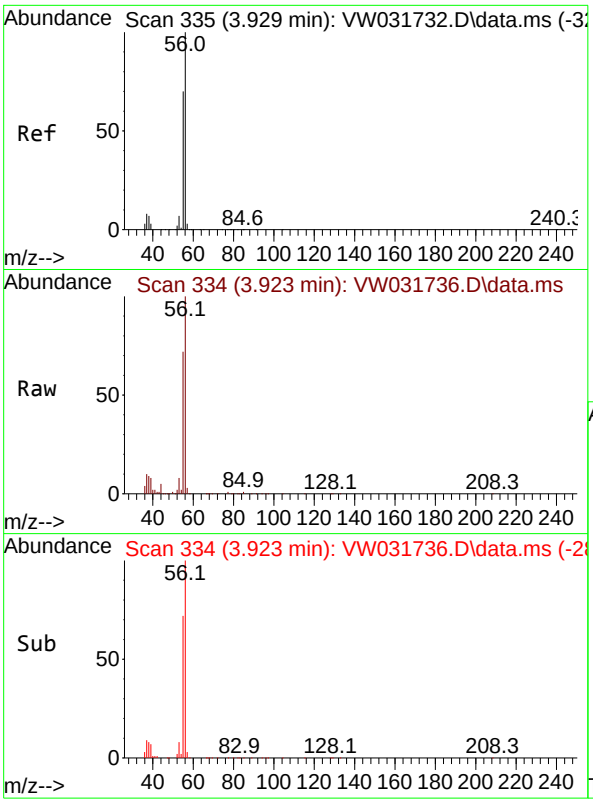


#12
1,1-Dichloroethene
Concen: 51.057 ug/l
RT: 4.069 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 96 Resp: 139112

Ion	Ratio	Lower	Upper
96	100		
61	161.5	135.8	203.8
98	64.8	50.4	75.6



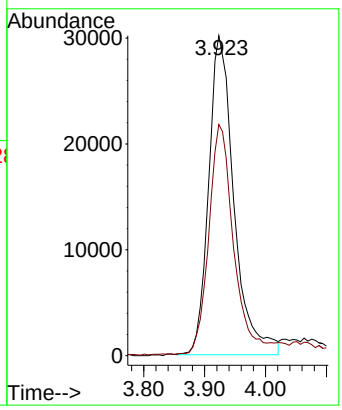


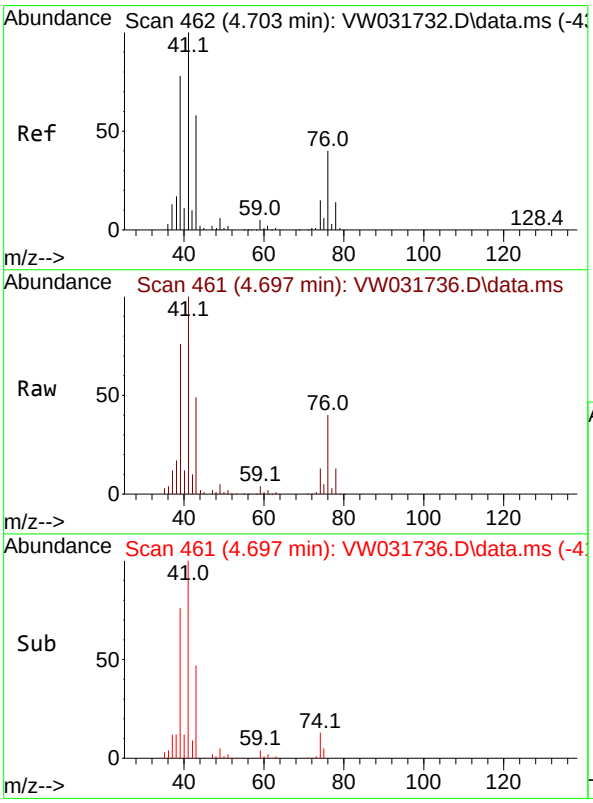
#13
Acrolein
Concen: 238.183 ug/l
RT: 3.923 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 56 Resp: 87032

Ion	Ratio	Lower	Upper
56	100		
55	70.0	54.0	81.0

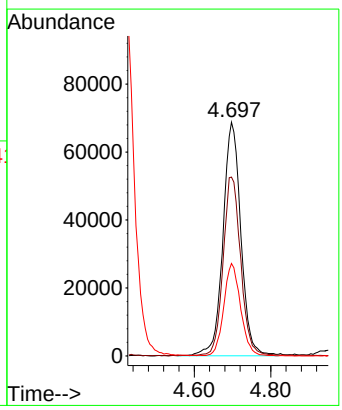


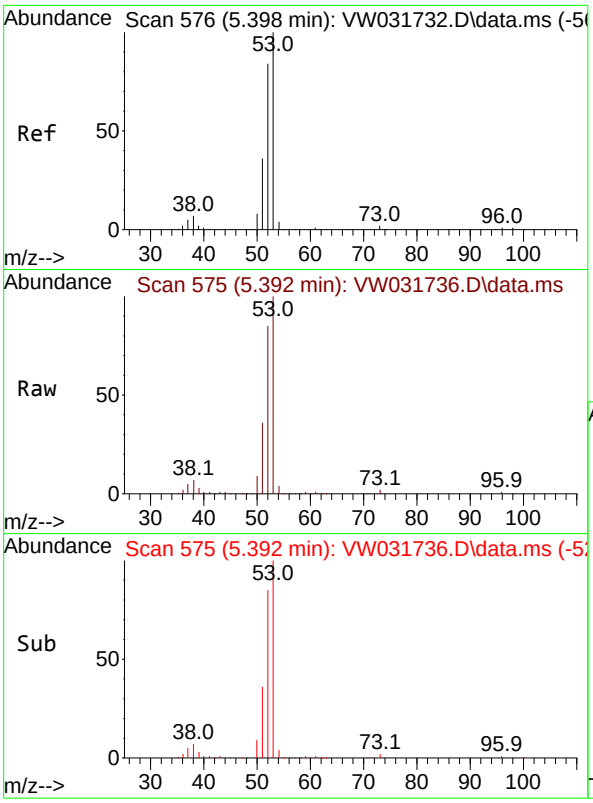


#14
Allyl chloride
Concen: 53.493 ug/l
RT: 4.697 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 41 Resp: 223623

Ion	Ratio	Lower	Upper
41	100		
39	75.1	60.7	91.1
76	36.9	30.3	45.5



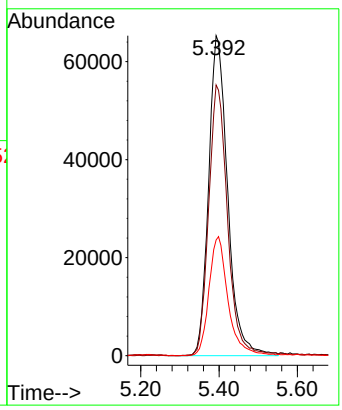


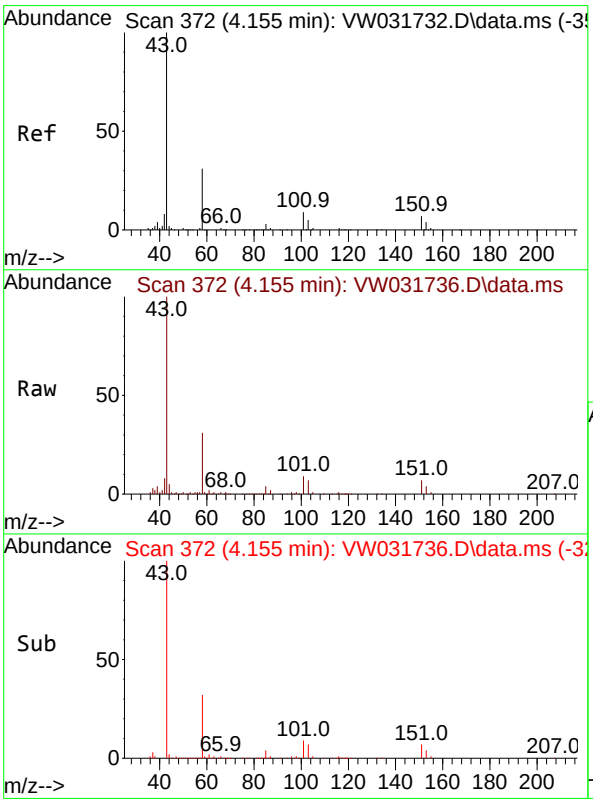
#15
Acrylonitrile
Concen: 263.111 ug/l
RT: 5.392 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 53 Resp: 220336

Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.4	29.9	44.9

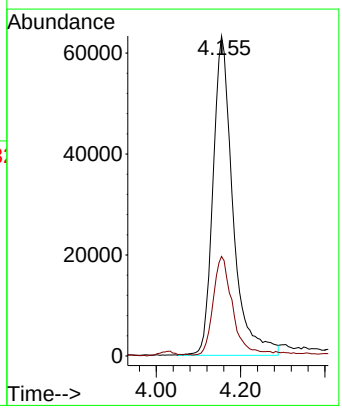


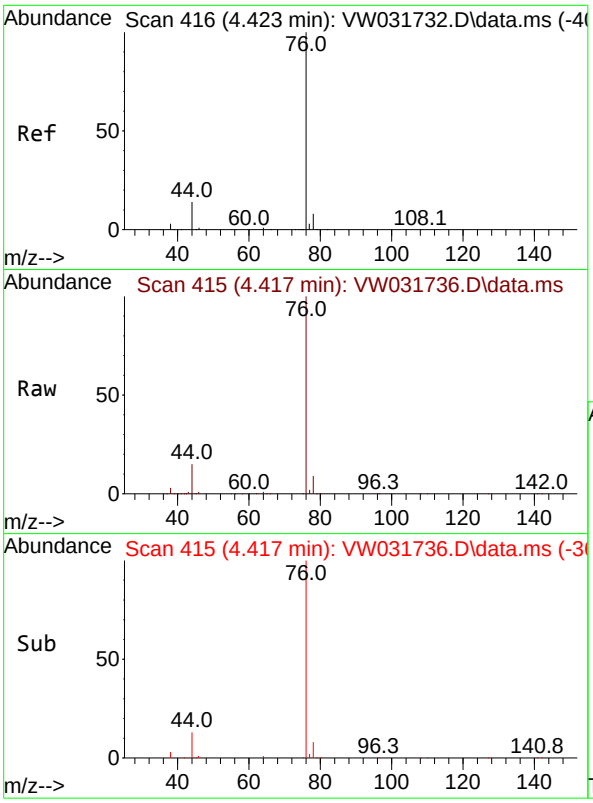


#16
Acetone
Concen: 255.933 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 207587

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.8	37.2



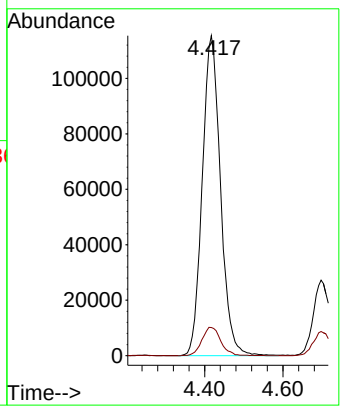


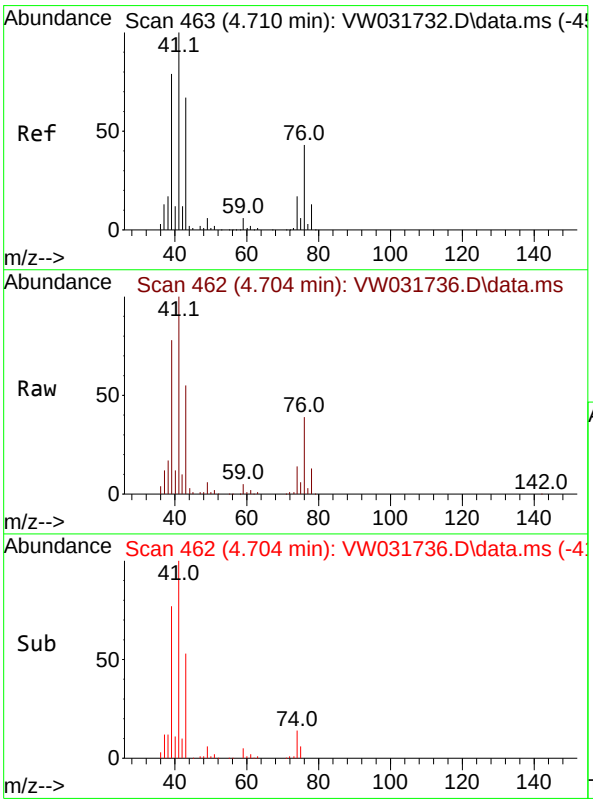
#17
Carbon Disulfide
Concen: 51.079 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 76 Resp: 372415

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0

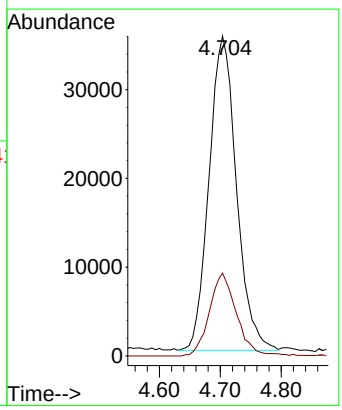


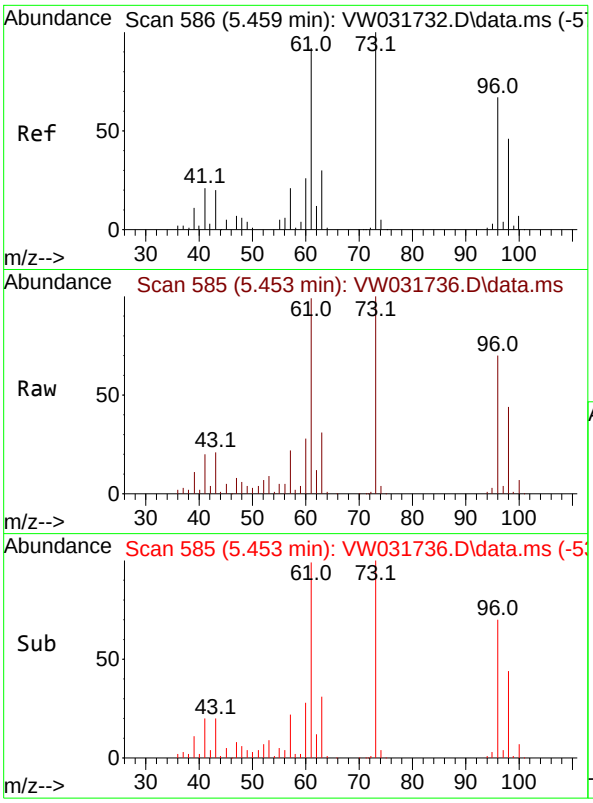


#18
Methyl Acetate
Concen: 47.723 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 110627

Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.6	30.8



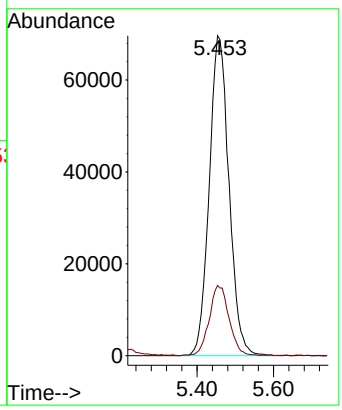


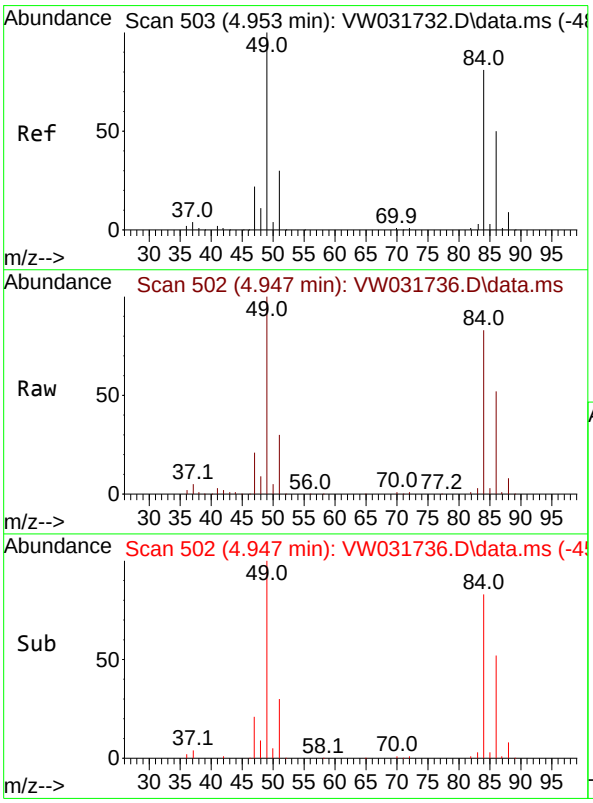
#19
Methyl tert-butyl Ether
Concen: 53.936 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 73 Resp: 249430

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8

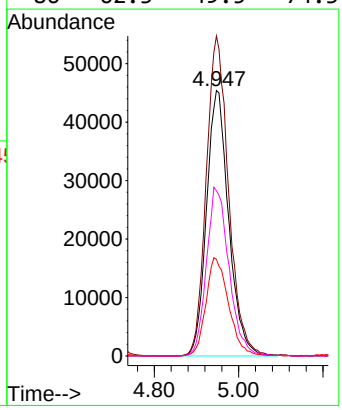


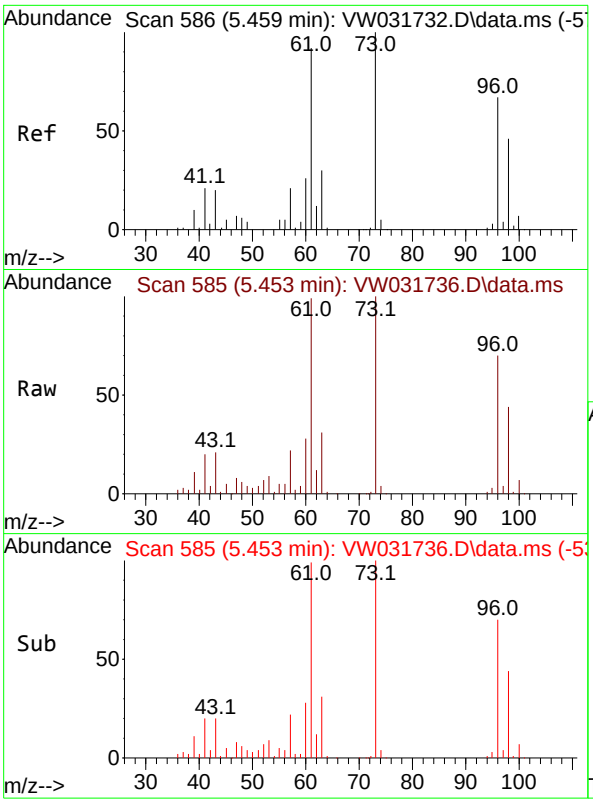


#20
Methylene Chloride
Concen: 51.478 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 84 Resp: 165907

Ion	Ratio	Lower	Upper
84	100		
49	120.5	98.2	147.4
51	36.4	29.8	44.8
86	62.3	49.5	74.3



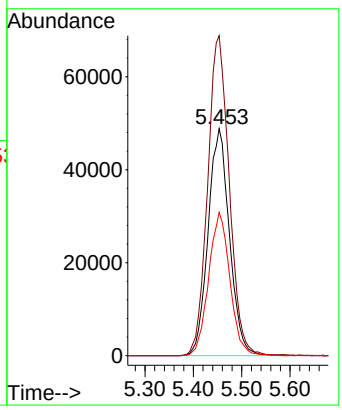


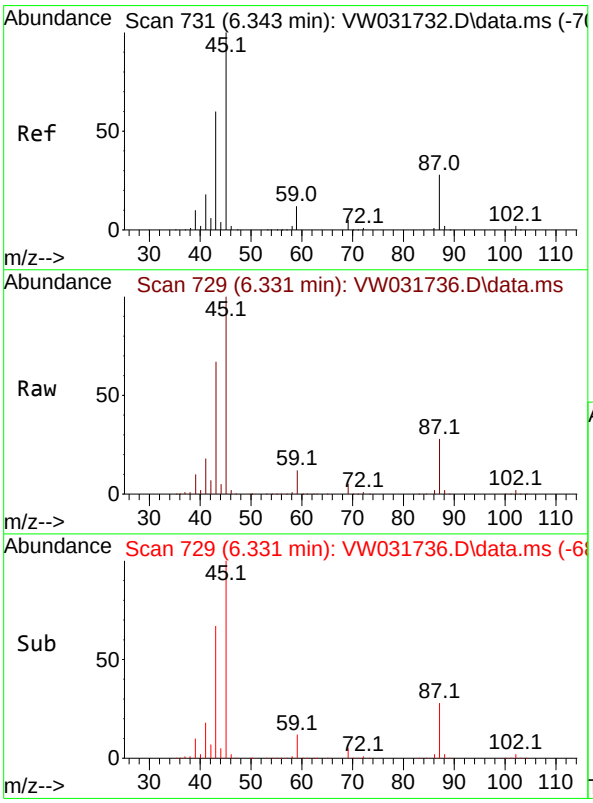
#21
trans-1,2-Dichloroethene
Concen: 51.856 ug/l
RT: 5.453 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 96 Resp: 150128

Ion	Ratio	Lower	Upper
96	100		
61	140.9	109.8	164.6
98	63.1	54.9	82.3

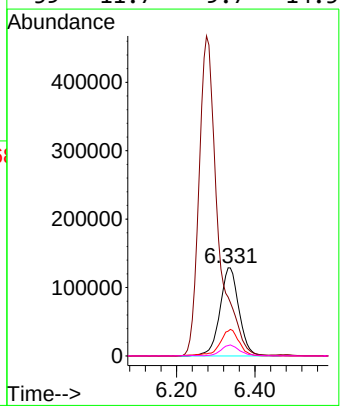


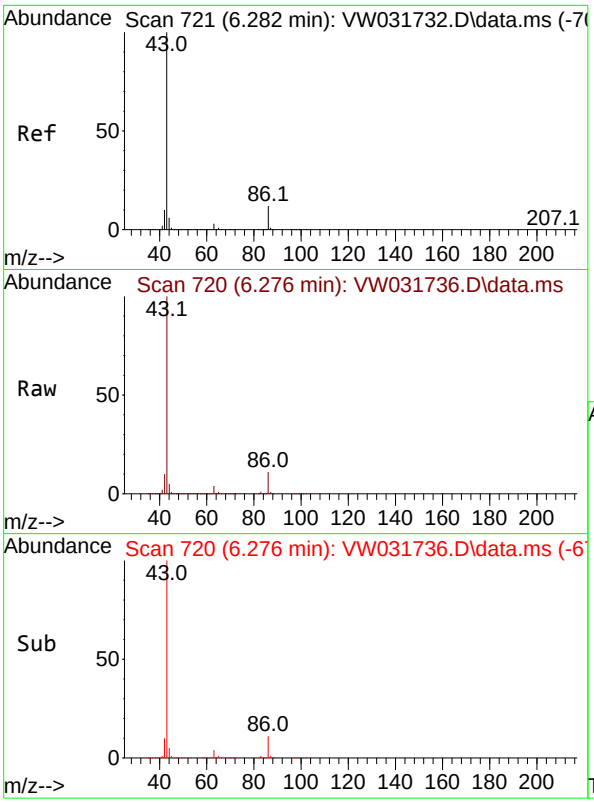


#22
Diisopropyl ether
Concen: 53.419 ug/l
RT: 6.331 min Scan# 729
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 45 Resp: 435531

Ion	Ratio	Lower	Upper
45	100		
43	66.7	48.3	72.5
87	28.0	22.6	34.0
59	11.7	9.7	14.5



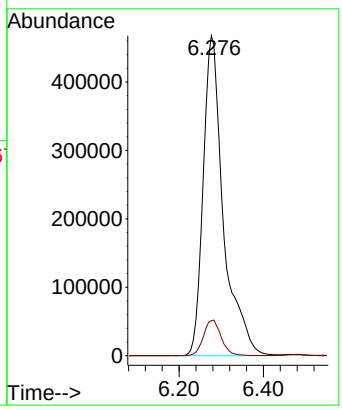


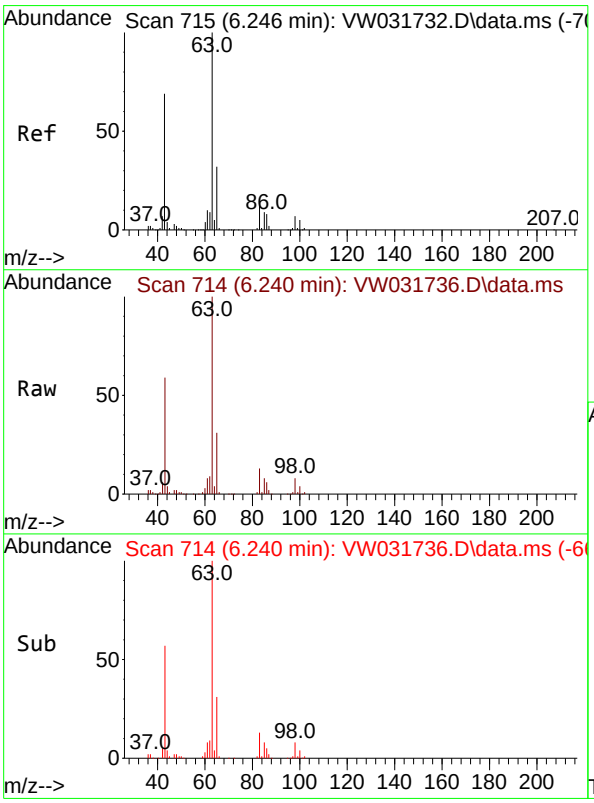
#23
Vinyl Acetate
Concen: 279.810 ug/l
RT: 6.276 min Scan# 7
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 1558241

Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.2	13.8

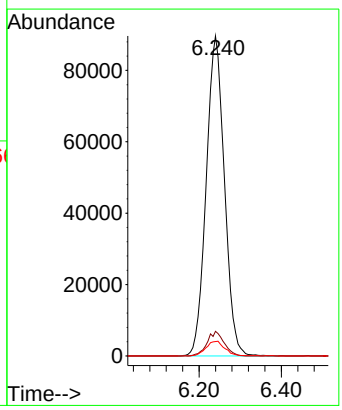


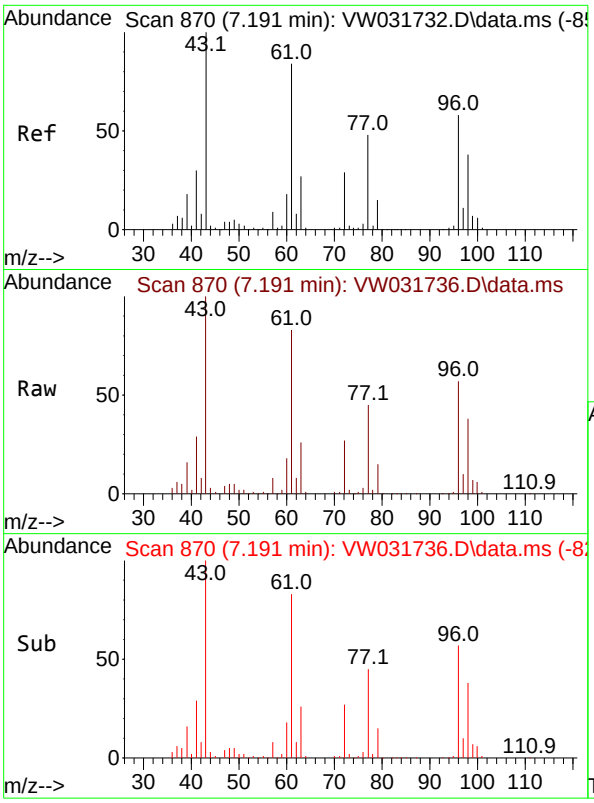


#24
1,1-Dichloroethane
Concen: 52.150 ug/l
RT: 6.240 min Scan# 714
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 275659

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.5	10.6
100	4.5	2.5	7.5



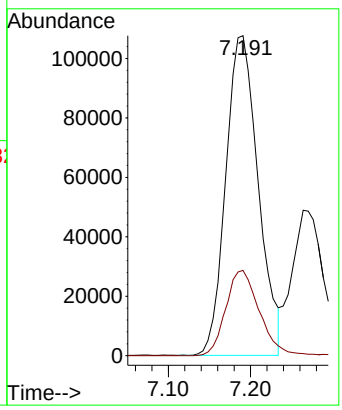


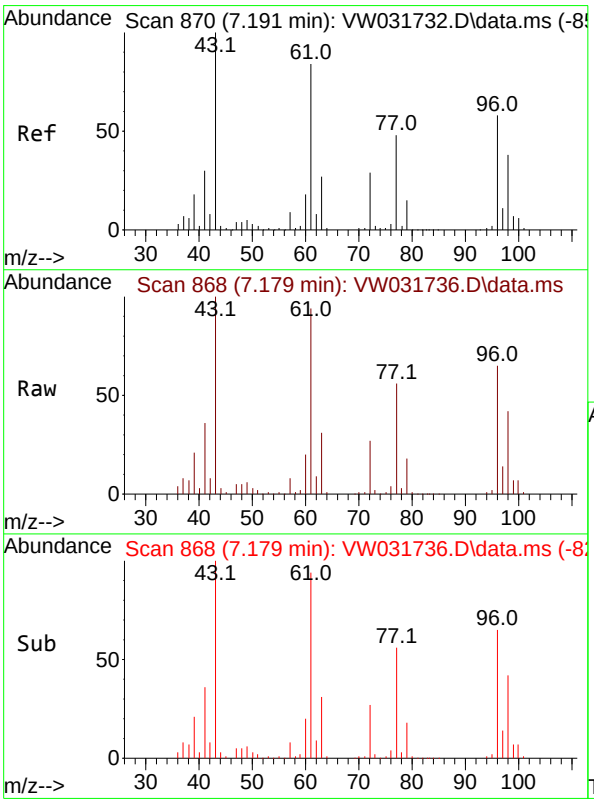
#25
2-Butanone
Concen: 280.206 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 295677

Ion	Ratio	Lower	Upper
43	100		
72	26.7	23.0	34.6

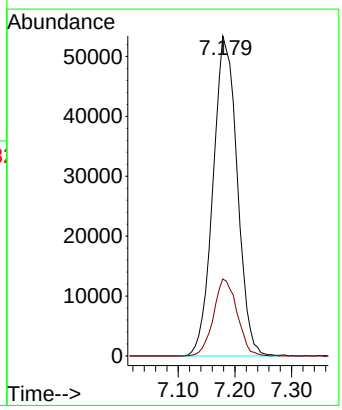


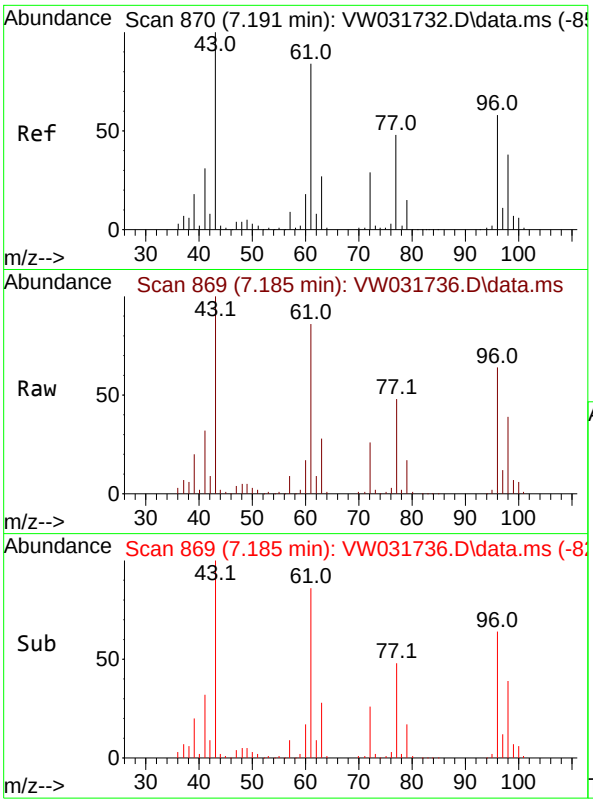


#26
2,2-Dichloropropane
Concen: 51.263 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 77 Resp: 158098

Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.6	34.7



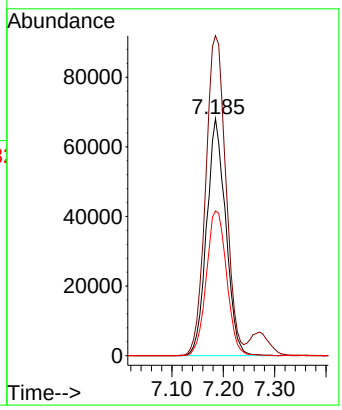


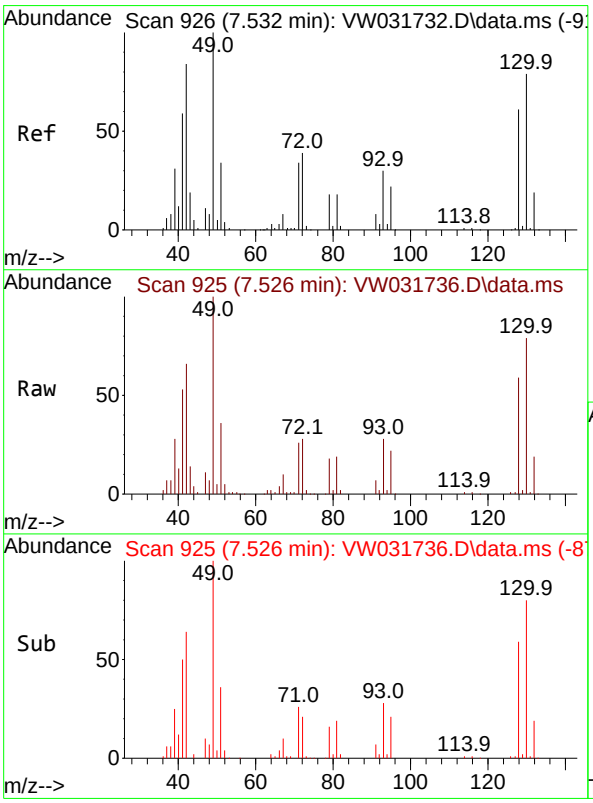
#27
cis-1,2-Dichloroethene
Concen: 52.697 ug/l
RT: 7.185 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 96 Resp: 175371

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	286.8
98	65.1	0.0	130.4

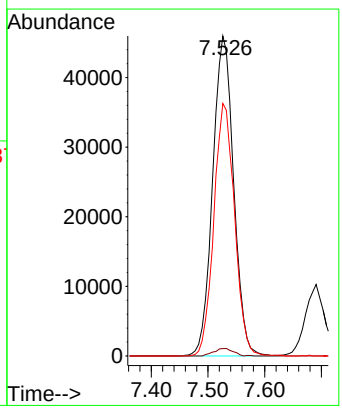


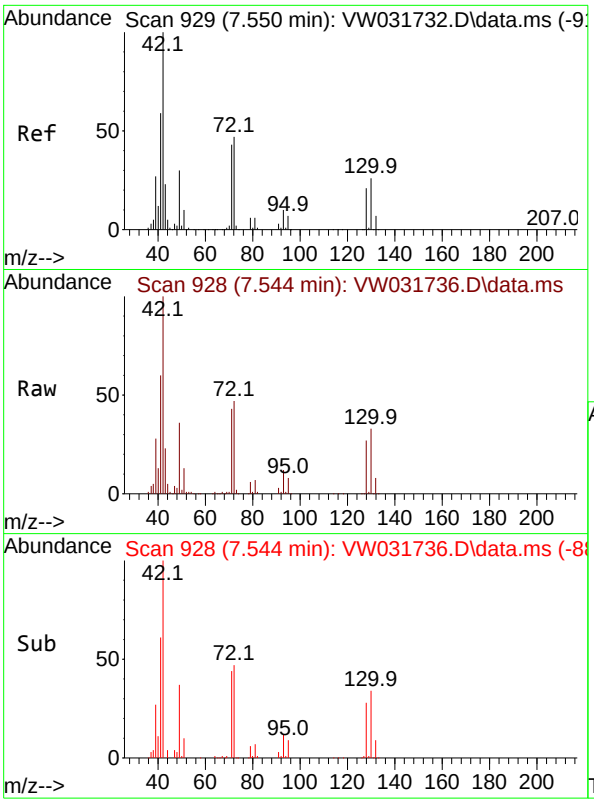


#28
Bromochloromethane
Concen: 50.675 ug/l
RT: 7.526 min Scan# 925
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 49 Resp: 118204

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	77.8	61.3	91.9



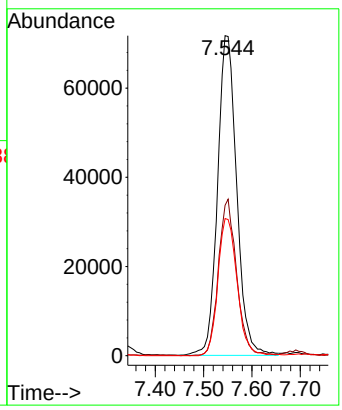


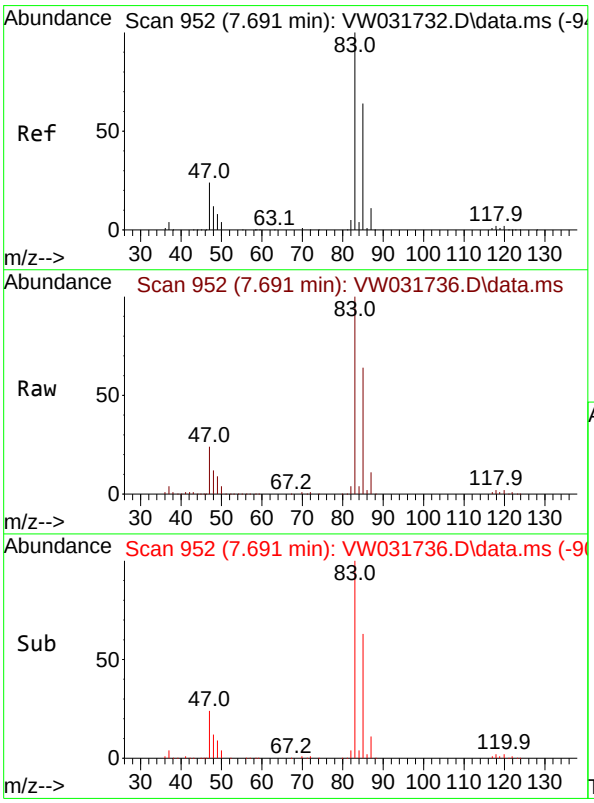
#29
Tetrahydrofuran
Concen: 272.901 ug/l
RT: 7.544 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 42 Resp: 197209

Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.8	55.2
71	43.2	34.6	52.0

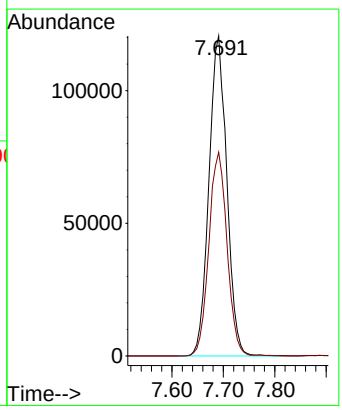


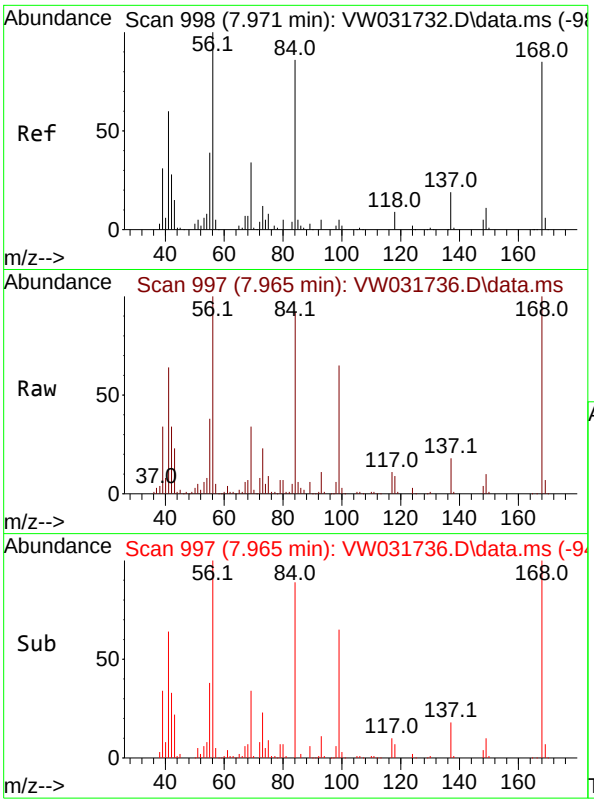


#30
Chloroform
Concen: 51.829 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 83 Resp: 291107

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0



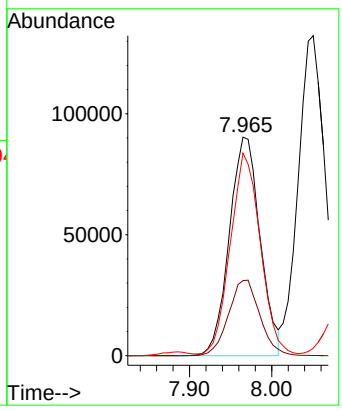


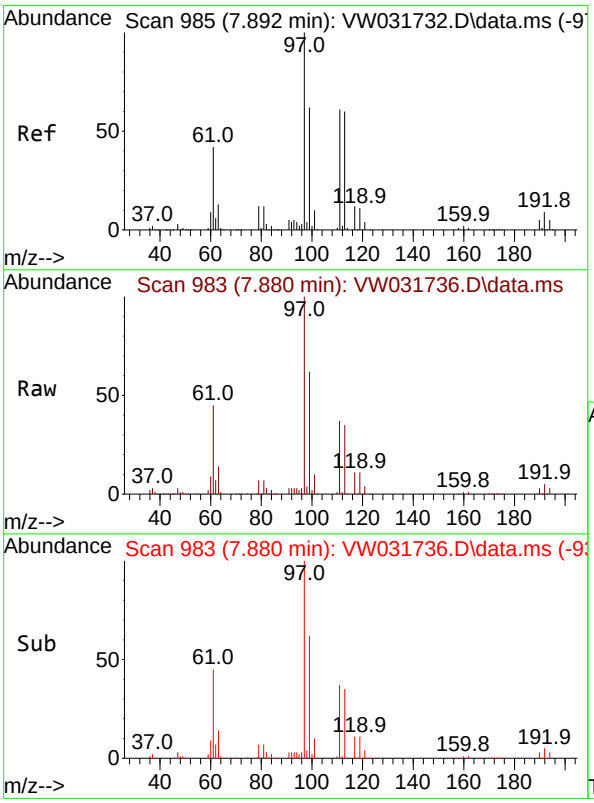
#31
Cyclohexane
Concen: 50.326 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 56 Resp: 235145

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.2	40.8
84	90.9	68.5	102.7

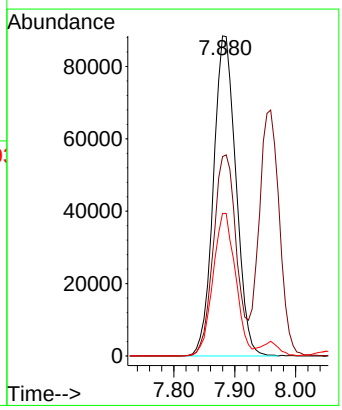


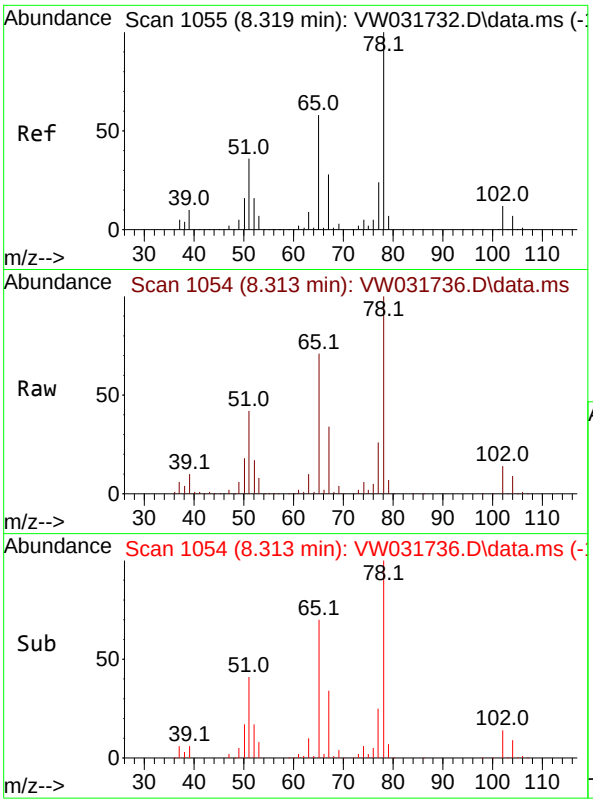


#32
1,1,1-Trichloroethane
Concen: 52.429 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 97 Resp: 226937

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	45.1	36.0	54.0



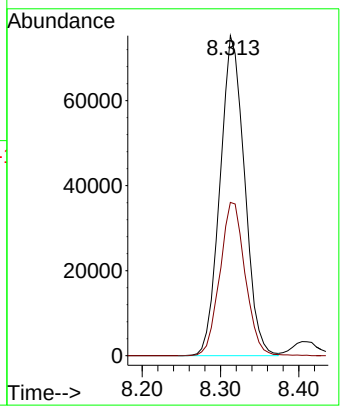


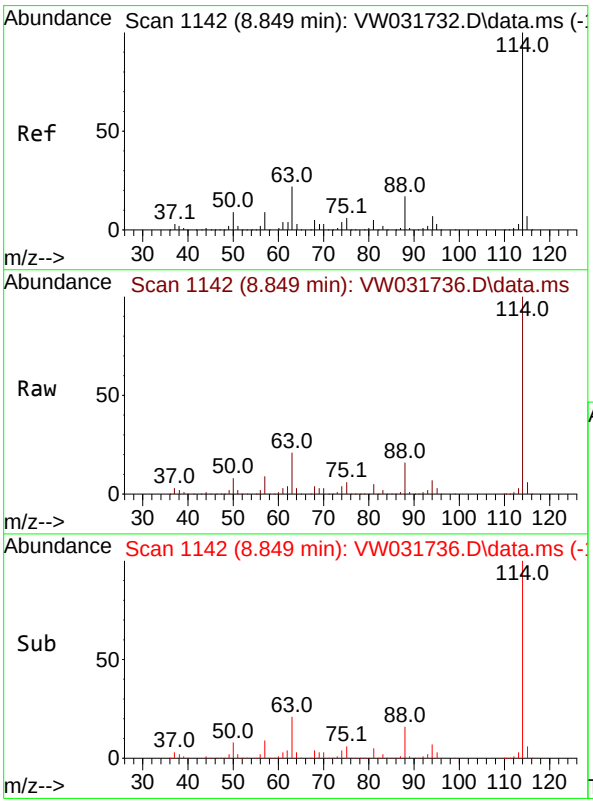
#33
1,2-Dichloroethane-d4
Concen: 49.923 ug/l
RT: 8.313 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 65 Resp: 163826

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.4

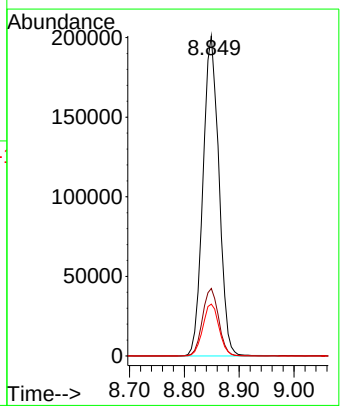


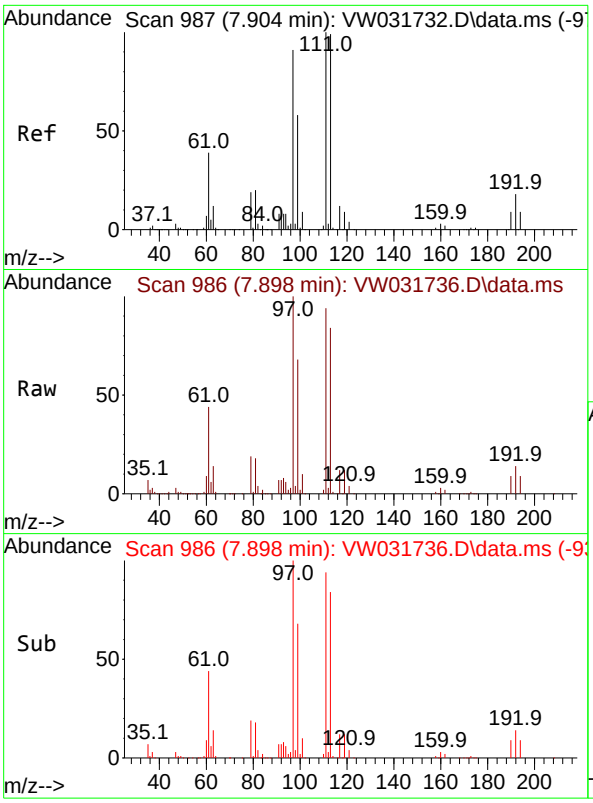


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:114 Resp: 405093

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.6
88	16.2	0.0	34.2



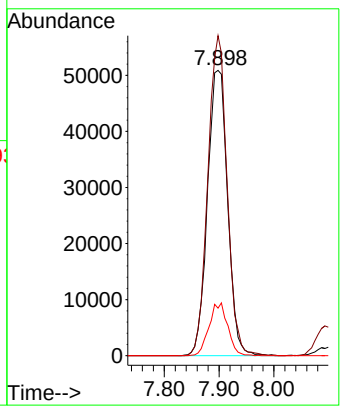


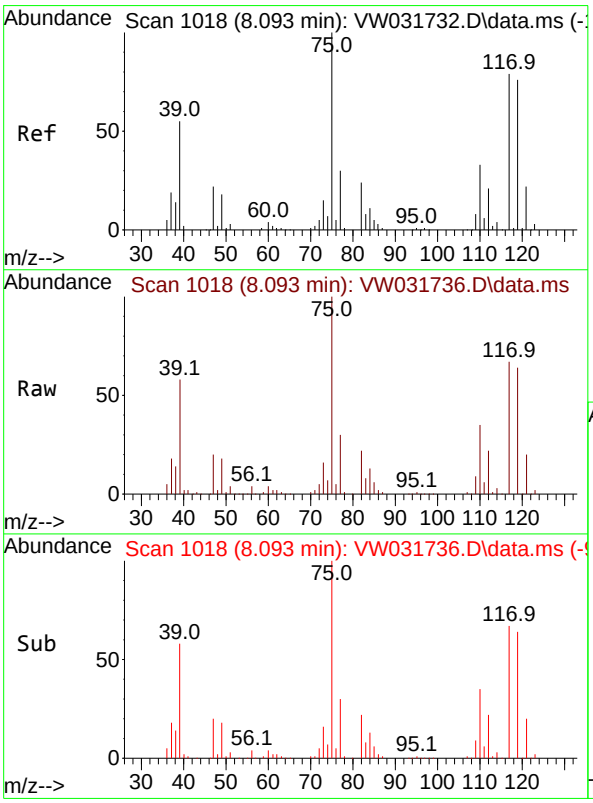
#35
Dibromofluoromethane
Concen: 49.107 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:113 Resp: 129810

Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.1	123.1
192	17.2	13.8	20.6

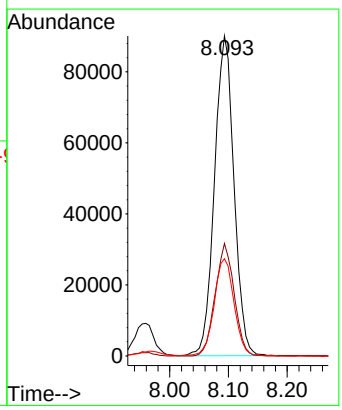


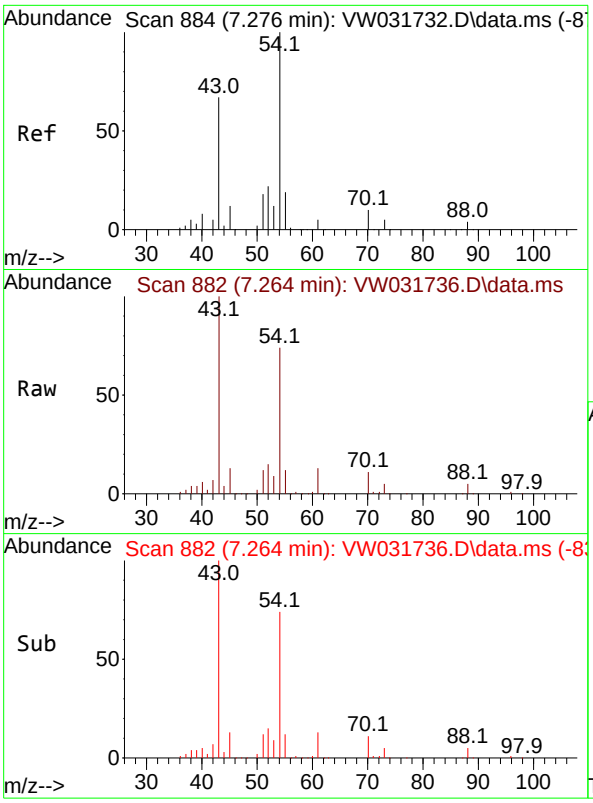


#36
1,1-Dichloropropene
Concen: 54.256 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 207537

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.2	25.0	37.6



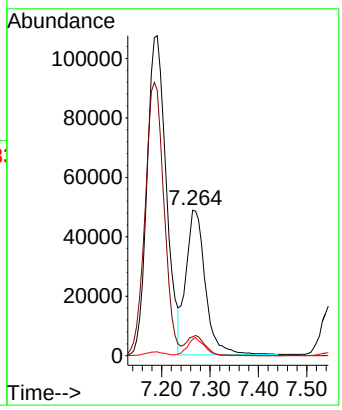


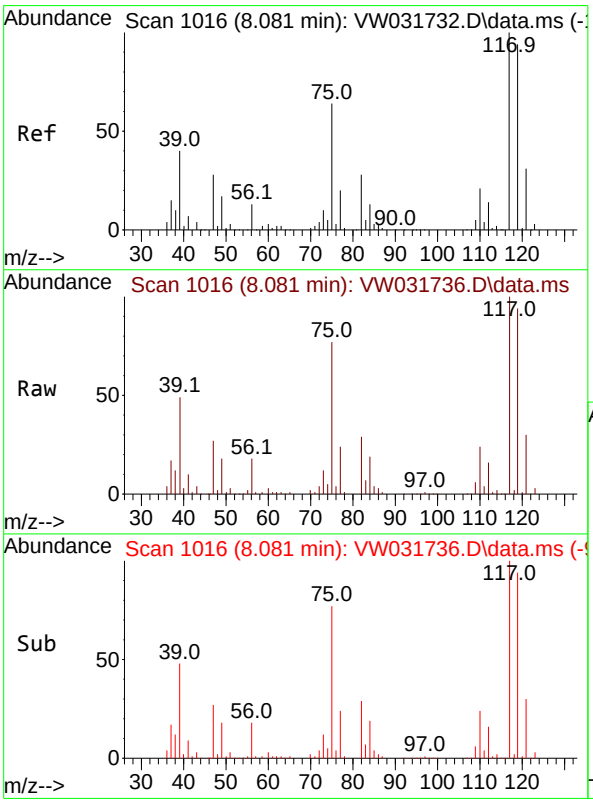
#37
Ethyl Acetate
Concen: 56.224 ug/l
RT: 7.264 min Scan# 8
Delta R.T. -0.012 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 135668

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.9	9.2	13.8

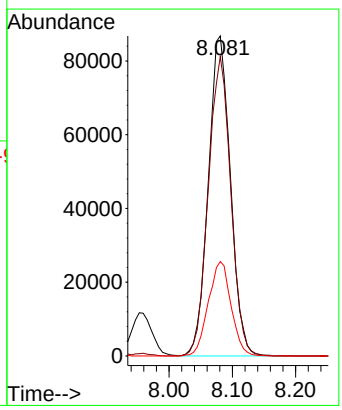


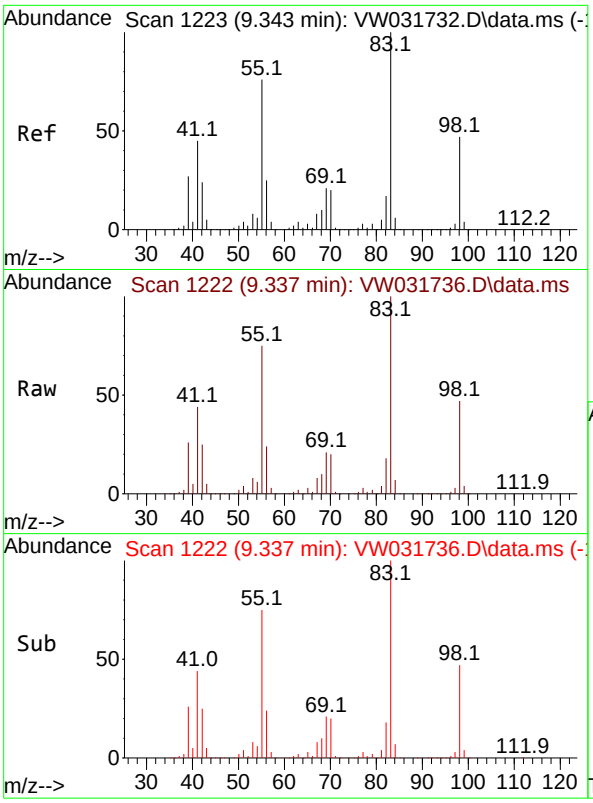


#38
Carbon Tetrachloride
Concen: 54.165 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:117 Resp: 211131

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.6
121	29.5	24.6	37.0



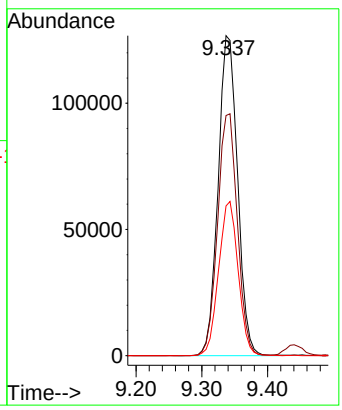


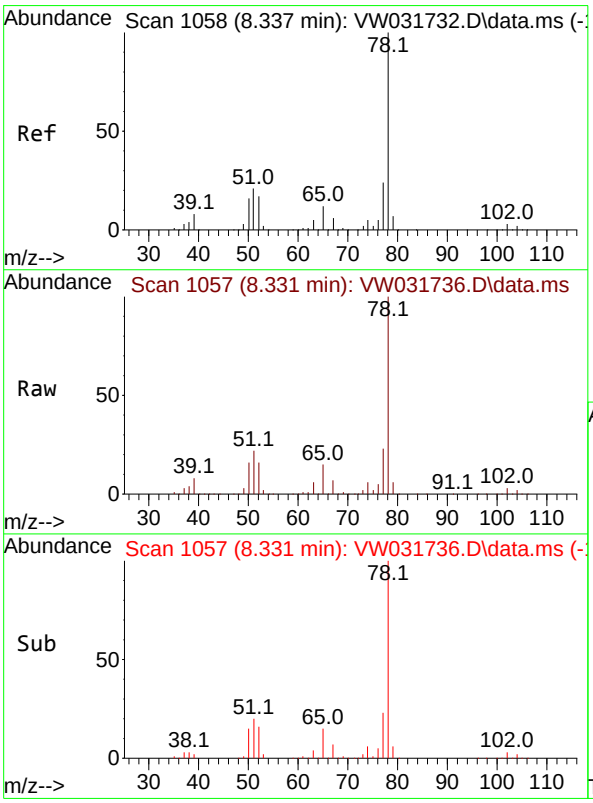
#39
Methylcyclohexane
Concen: 54.897 ug/l
RT: 9.337 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 83 Resp: 261262

Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	46.8	37.9	56.9

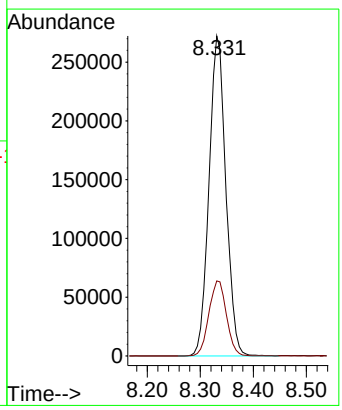


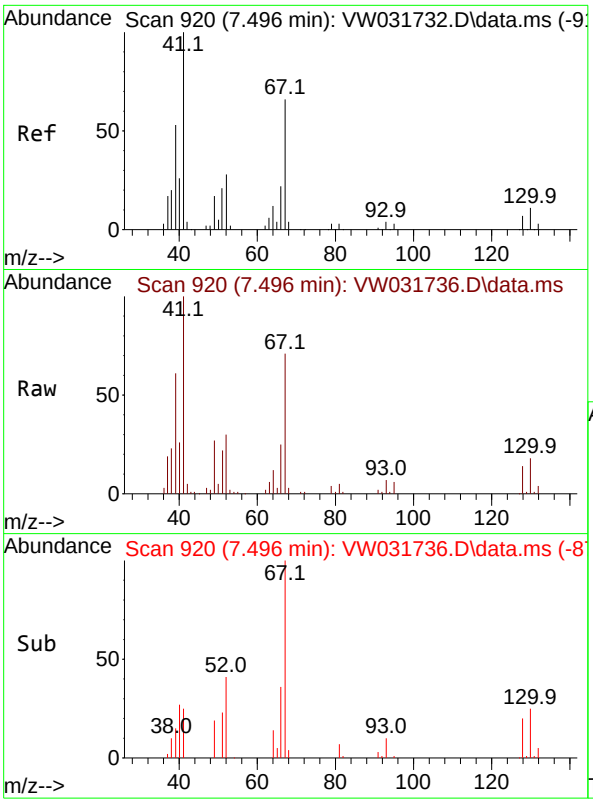


#40
Benzene
Concen: 53.078 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 78 Resp: 600684

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8



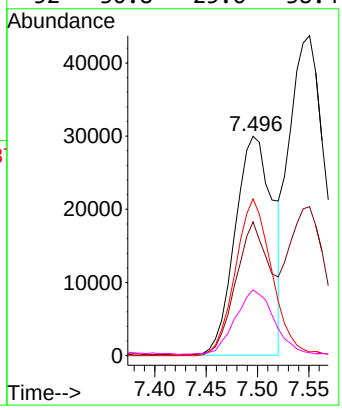


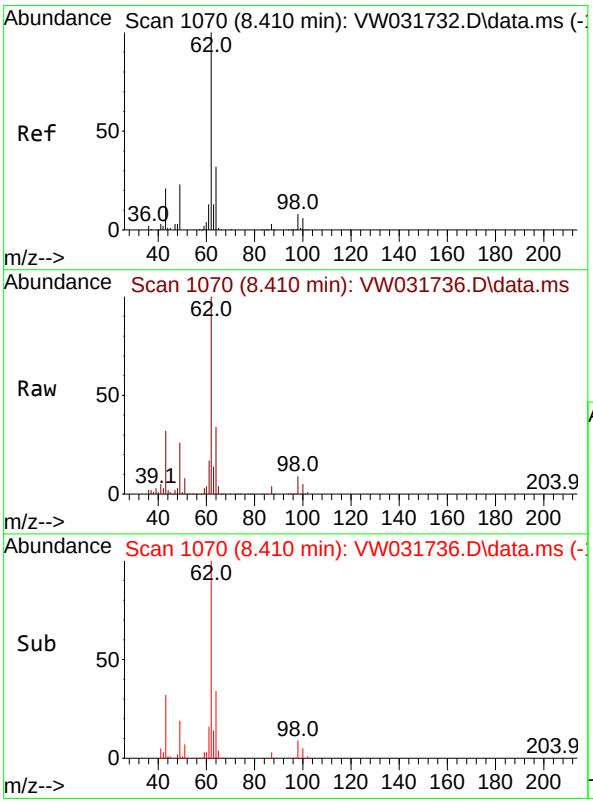
#41
Methacrylonitrile
Concen: 59.345 ug/l
RT: 7.496 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 41 Resp: 76710

Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.2	64.8
67	69.7	58.1	87.1
52	30.8	25.6	38.4

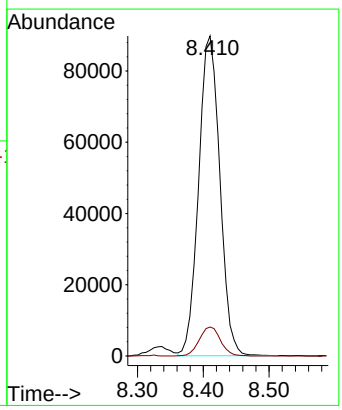


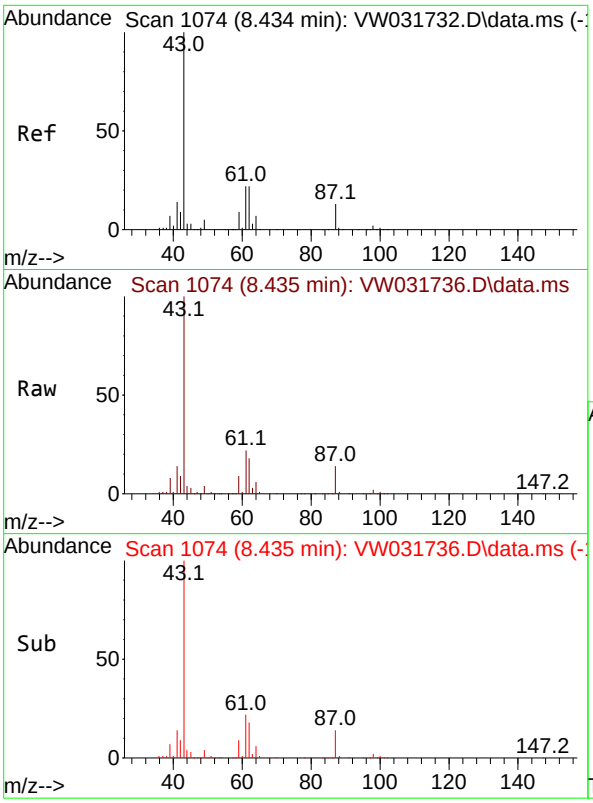


#42
1,2-Dichloroethane
Concen: 52.674 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 62 Resp: 201420

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2



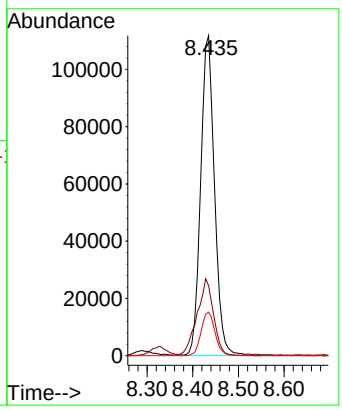


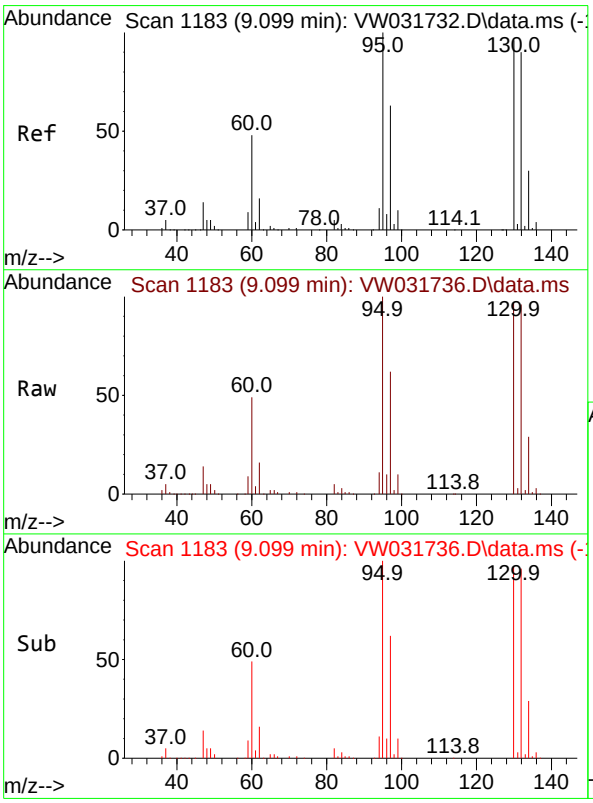
#43
Isopropyl Acetate
Concen: 56.382 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 234518

Ion	Ratio	Lower	Upper
43	100		
61	28.5	23.1	34.7
87	13.8	10.8	16.2

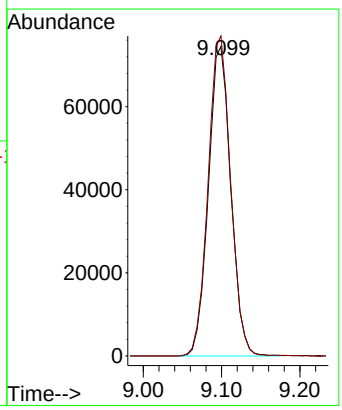


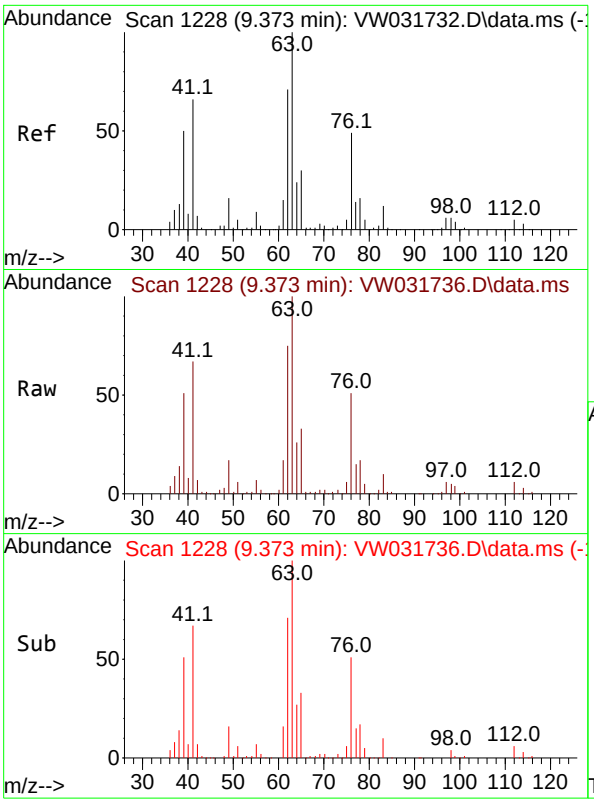


#44
Trichloroethene
Concen: 52.391 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:130 Resp: 147985

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	208.6



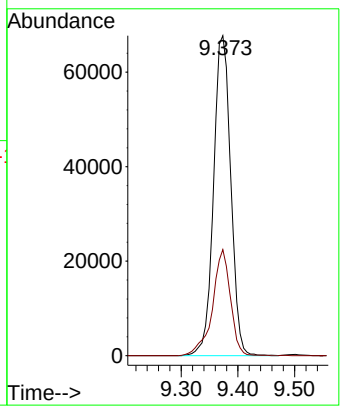


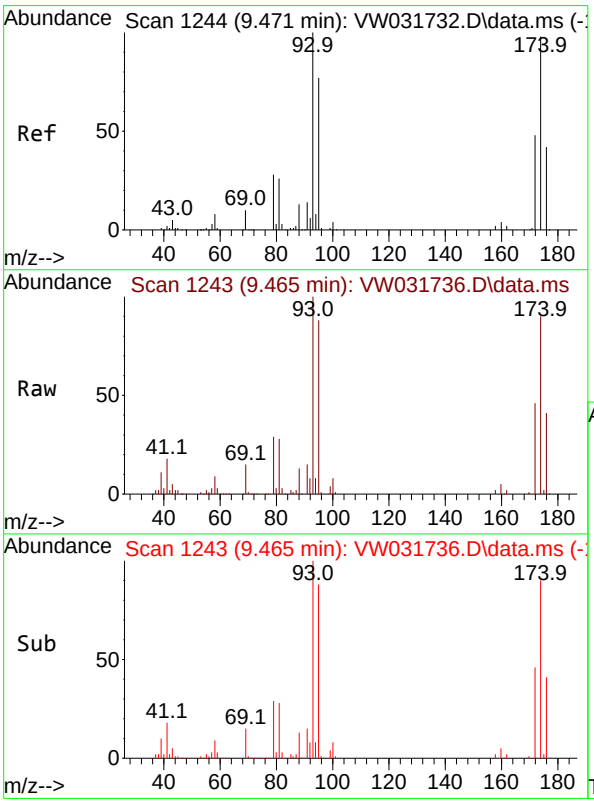
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 9.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 63 Resp: 142562

Ion	Ratio	Lower	Upper
63	100		
65	33.2	24.2	36.4

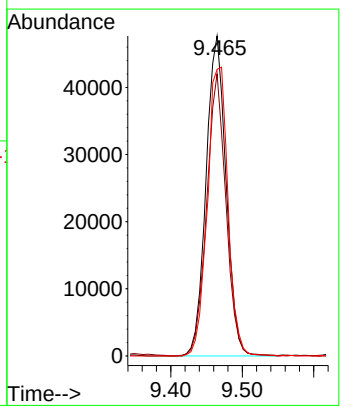


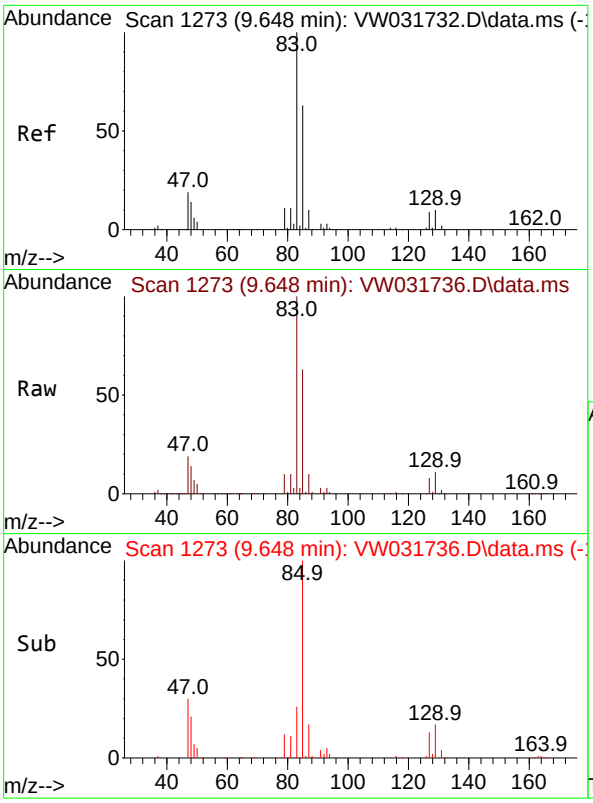


#46
Dibromomethane
Concen: 52.504 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 93 Resp: 92714

Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.0	100.4
174	92.8	71.7	107.5



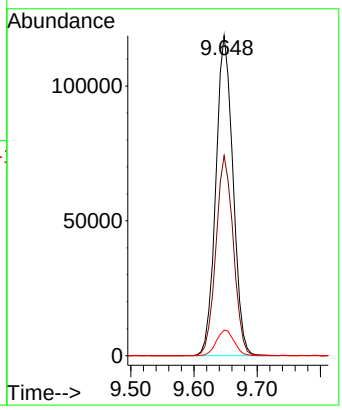


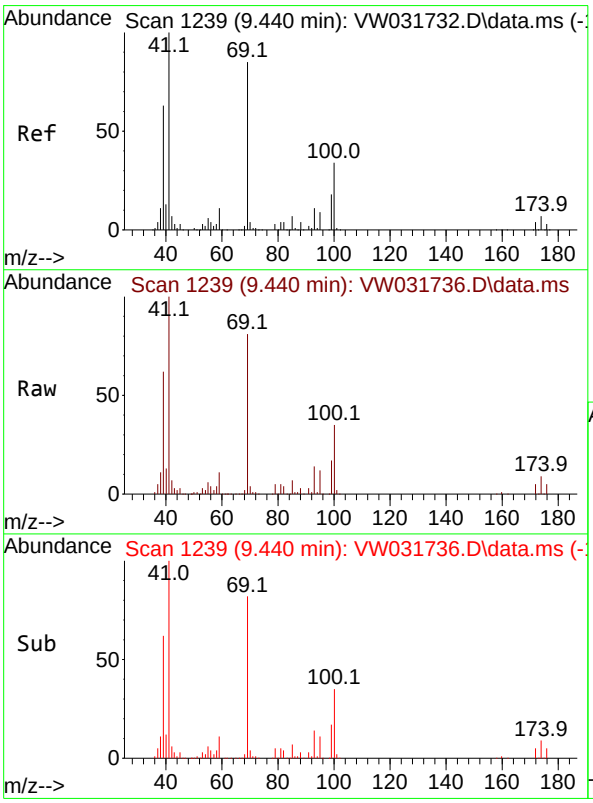
#47
Bromodichloromethane
Concen: 53.804 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 83 Resp: 222794

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.8	76.2
127	8.0	6.8	10.2

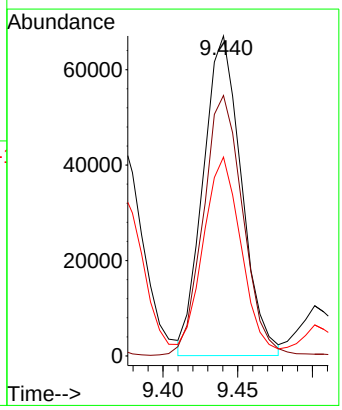


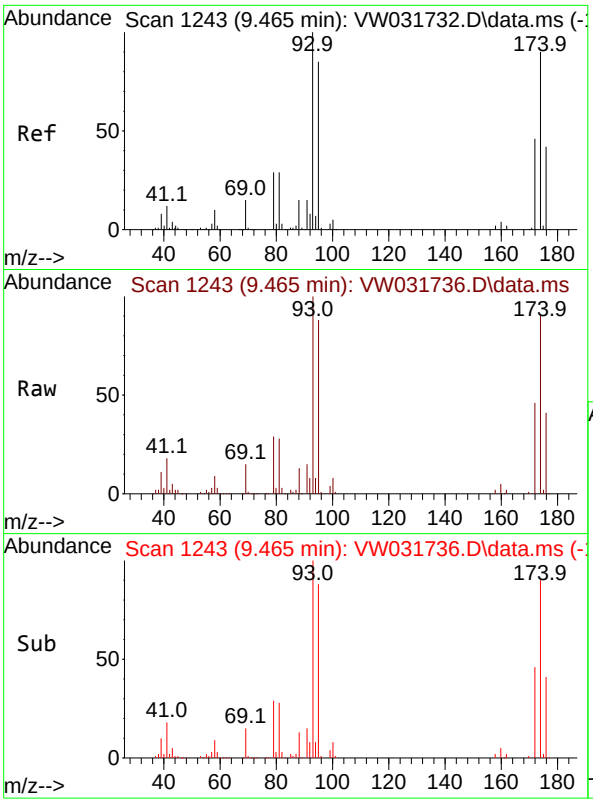


#48
Methyl methacrylate
Concen: 58.260 ug/l
RT: 9.440 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 41 Resp: 119156

Ion	Ratio	Lower	Upper
41	100		
69	84.7	71.6	107.4
39	57.1	49.5	74.3



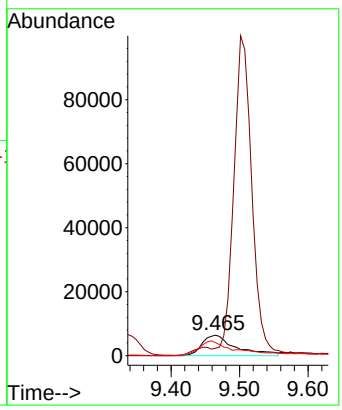


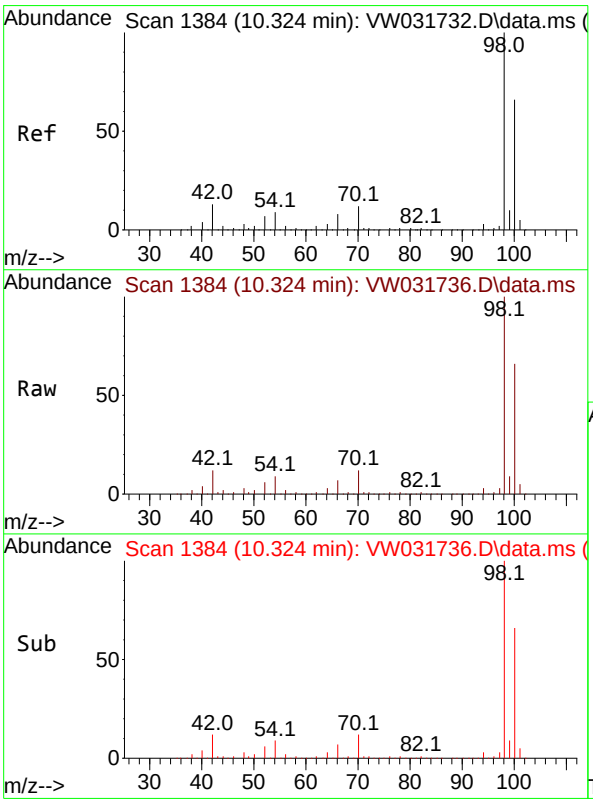
#49
1,4-Dioxane
Concen: 1062.966 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 88 Resp: 21984

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.3	58.3	87.5

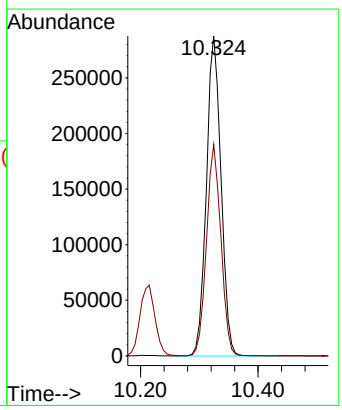


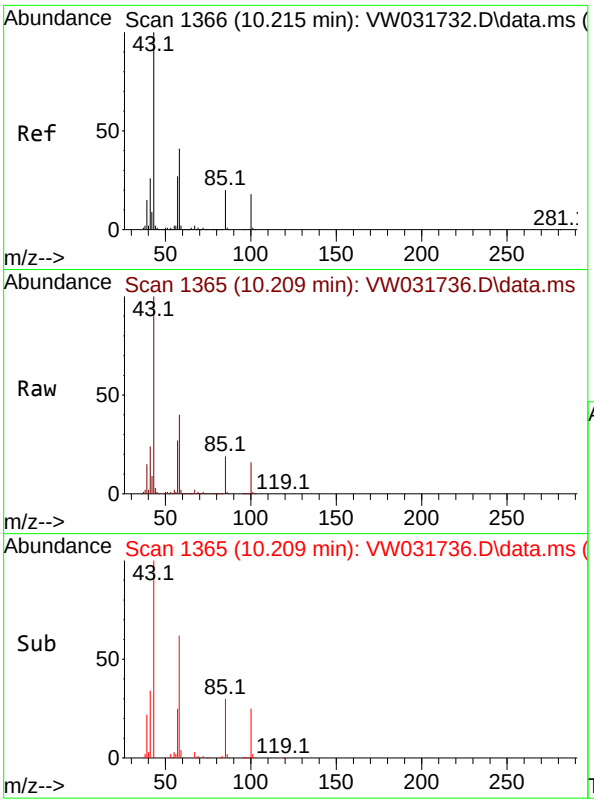


#50
Toluene-d8
Concen: 50.552 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 98 Resp: 497288

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.0	79.4



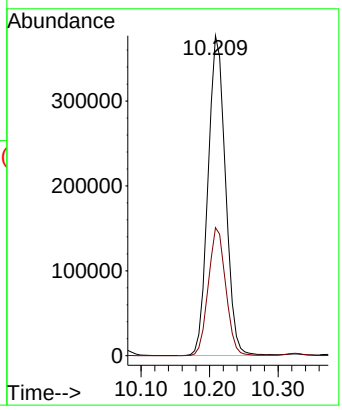


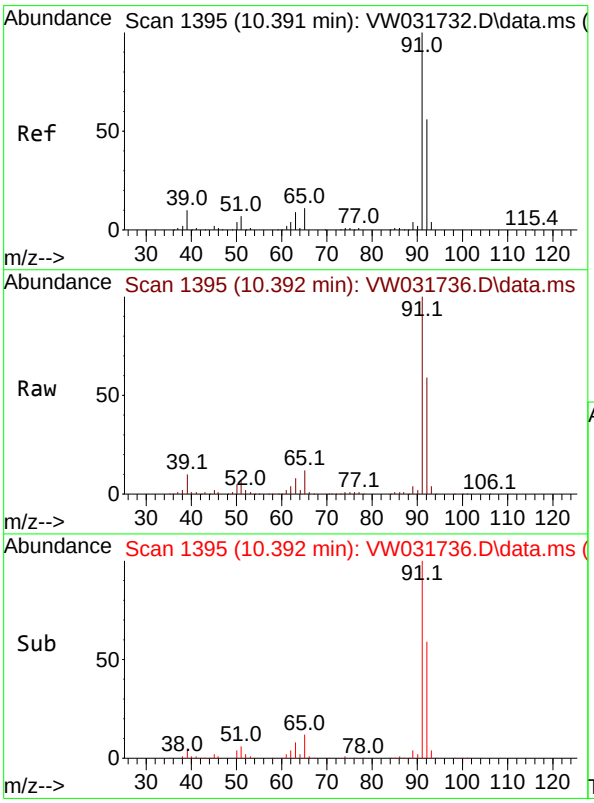
#51
4-Methyl-2-Pentanone
Concen: 279.124 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 667473

Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.2	48.2

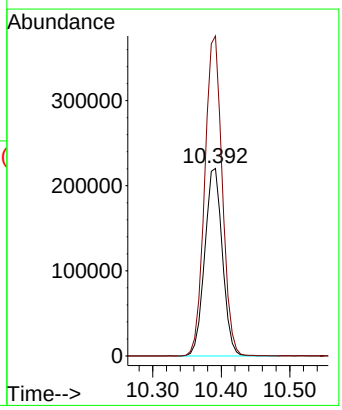


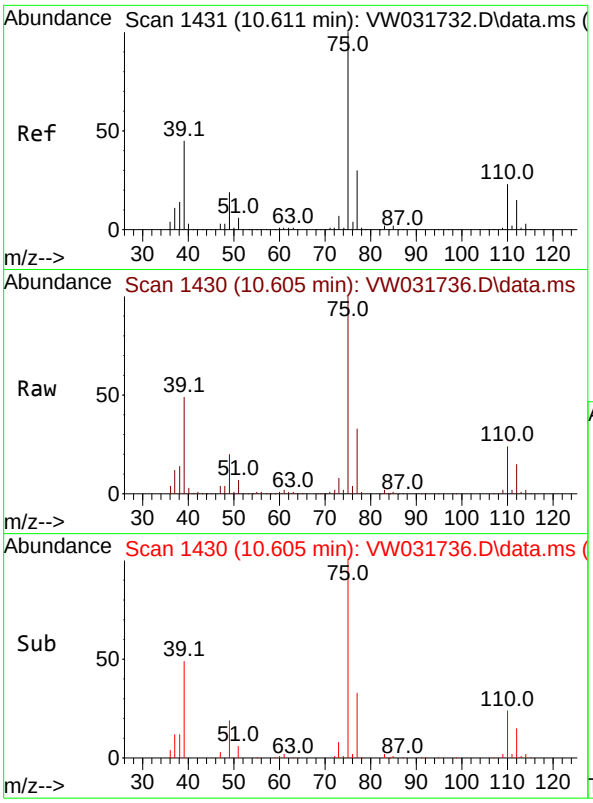


#52
Toluene
Concen: 54.503 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 92 Resp: 394923

Ion	Ratio	Lower	Upper
92	100		
91	169.4	139.5	209.3



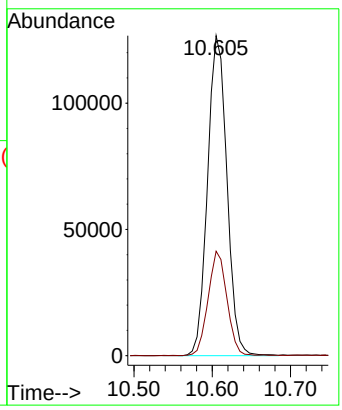


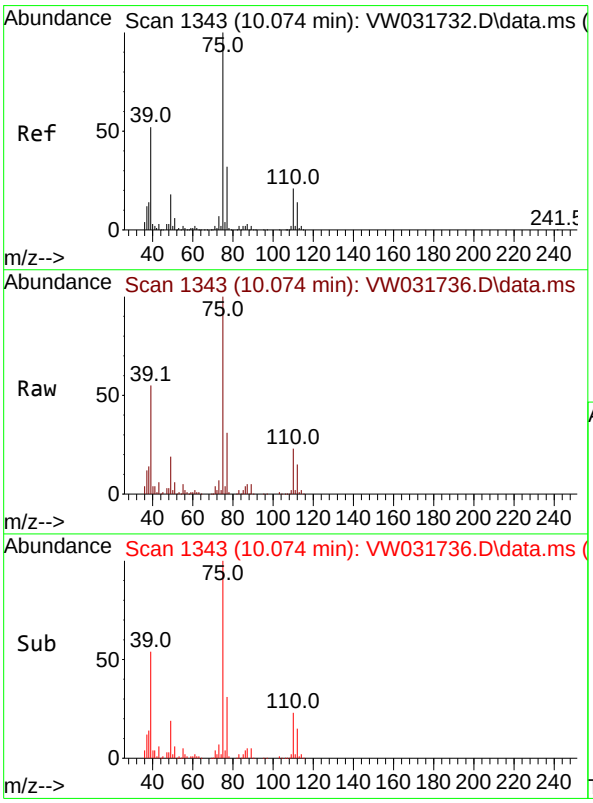
#53
t-1,3-Dichloropropene
Concen: 56.049 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 75 Resp: 217762

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.3	36.5

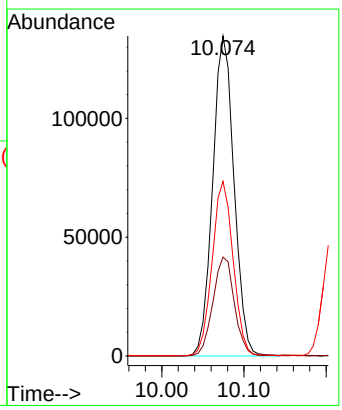


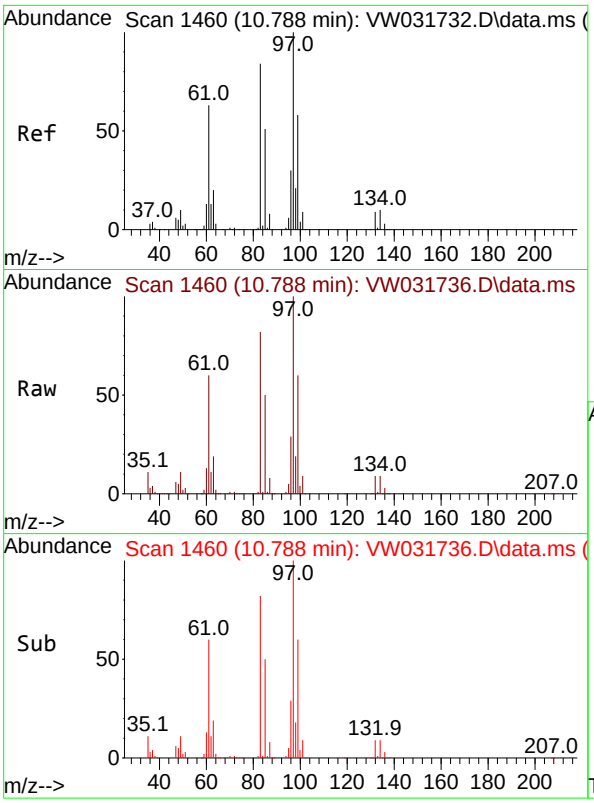


#54
cis-1,3-Dichloropropene
Concen: 55.157 ug/l
RT: 10.074 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 242935

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	54.4	41.8	62.6



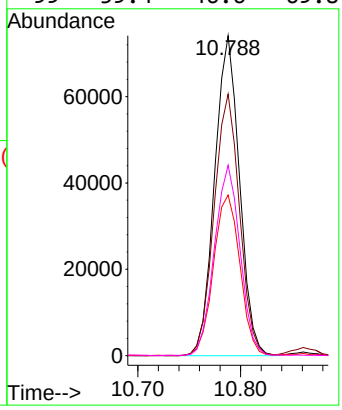


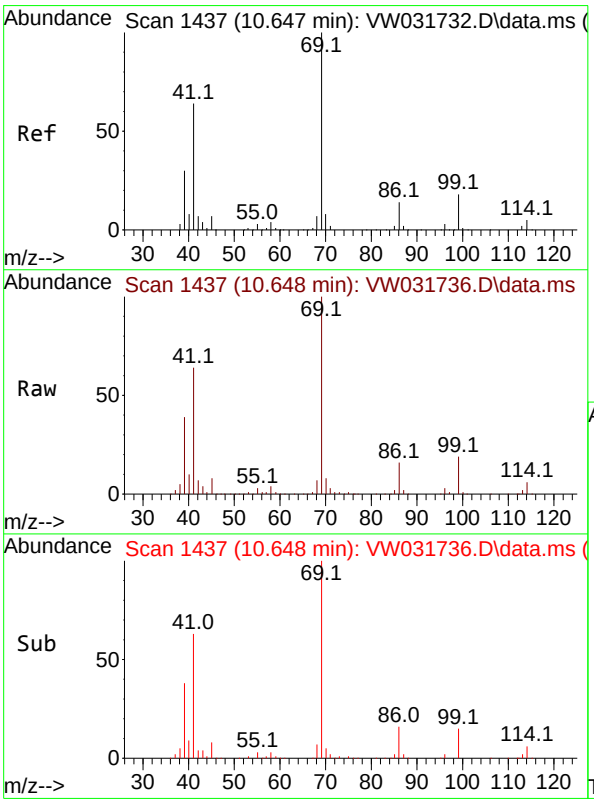
#55
1,1,2-Trichloroethane
Concen: 53.844 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 97 Resp: 124548

Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.9	100.3
85	50.2	41.1	61.7
99	59.4	46.6	69.8

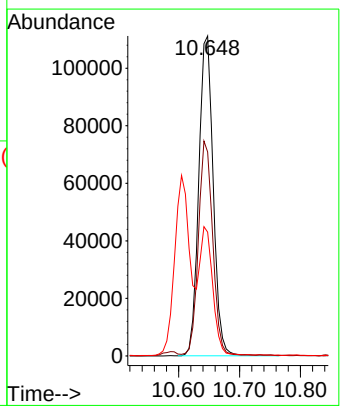


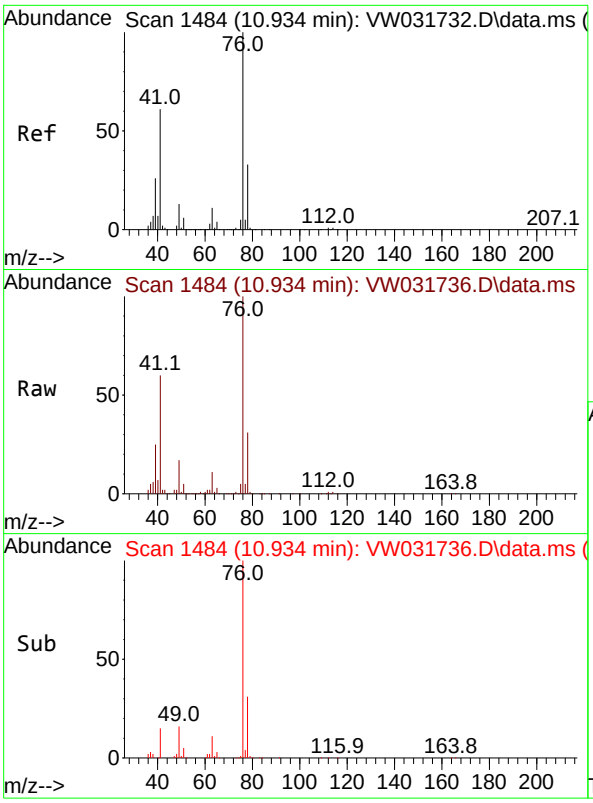


#56
Ethyl methacrylate
Concen: 58.189 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 69 Resp: 182604

Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.3	79.9
39	35.4	30.2	45.2



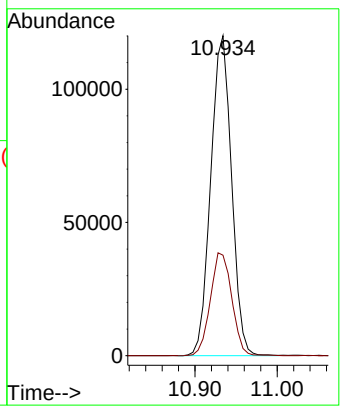


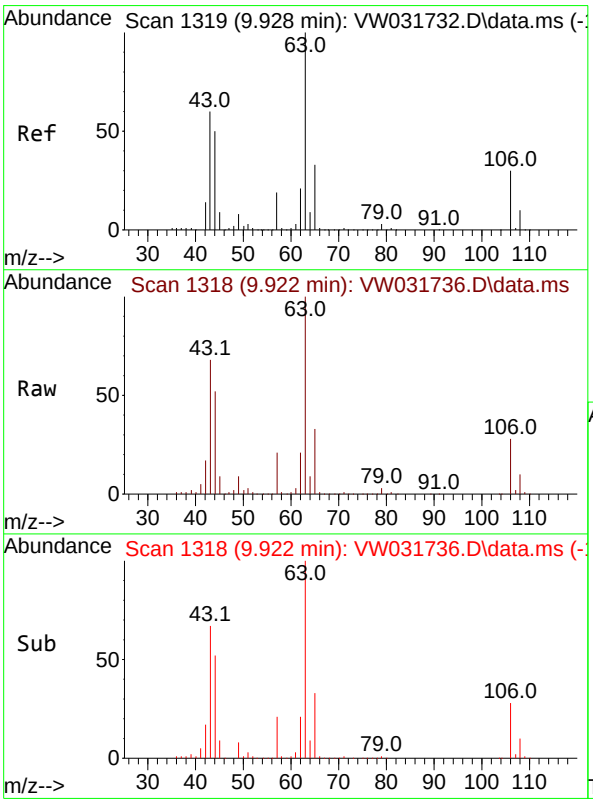
#57
1,3-Dichloropropane
Concen: 51.971 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 76 Resp: 211062

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

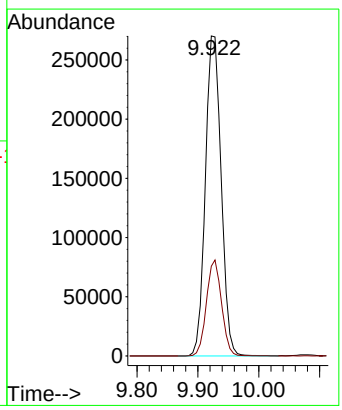


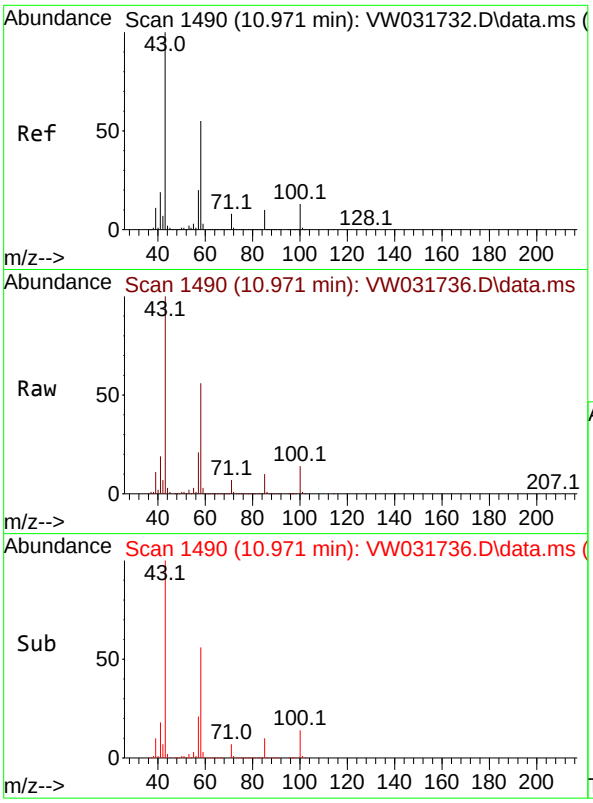


#58
2-Chloroethyl Vinyl ether
Concen: 281.479 ug/l
RT: 9.922 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 63 Resp: 486398

Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.1	36.1



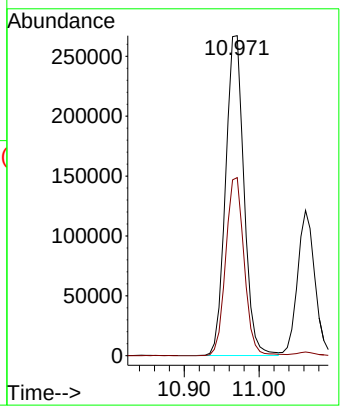


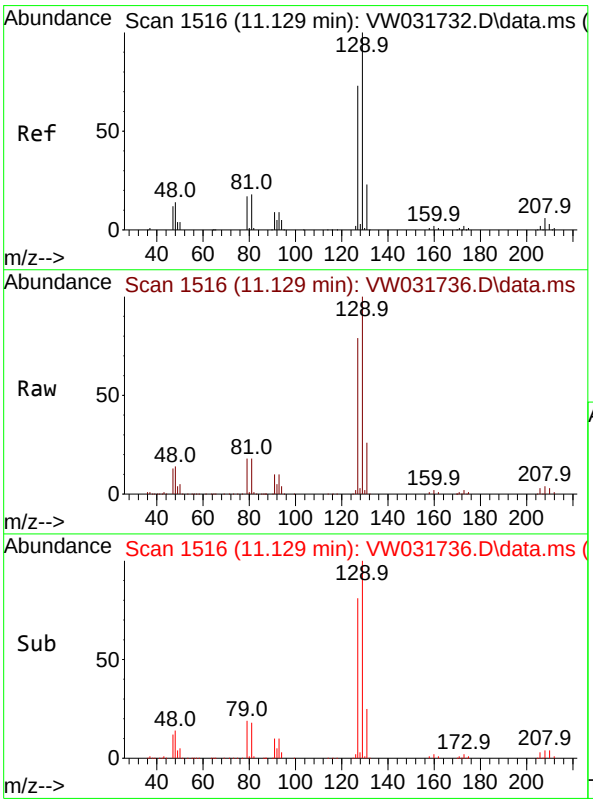
#59
2-Hexanone
Concen: 282.722 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 43 Resp: 458136

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.9	83.6

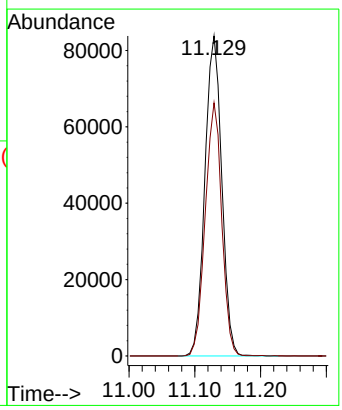


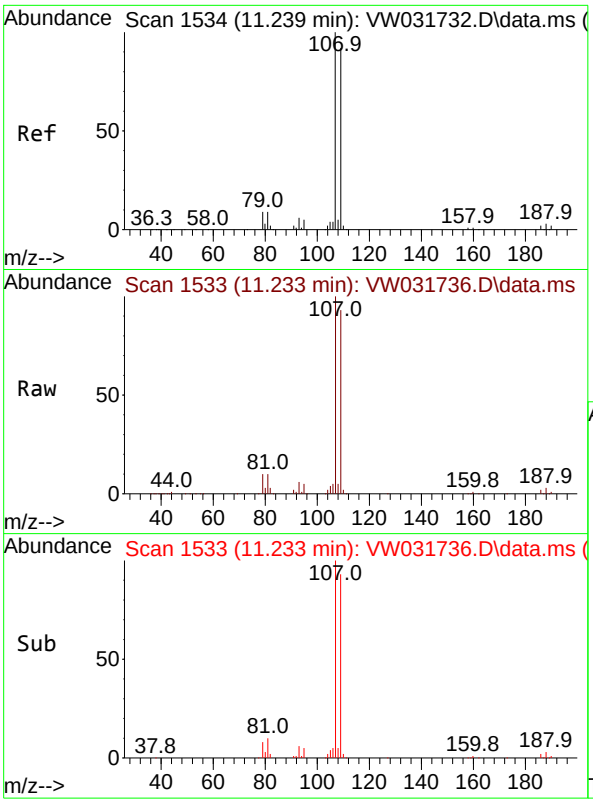


#60
Dibromochloromethane
Concen: 53.973 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:129 Resp: 149294

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.0	114.1



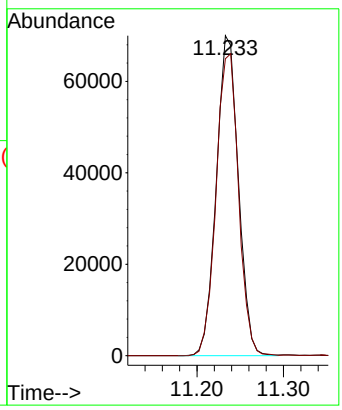


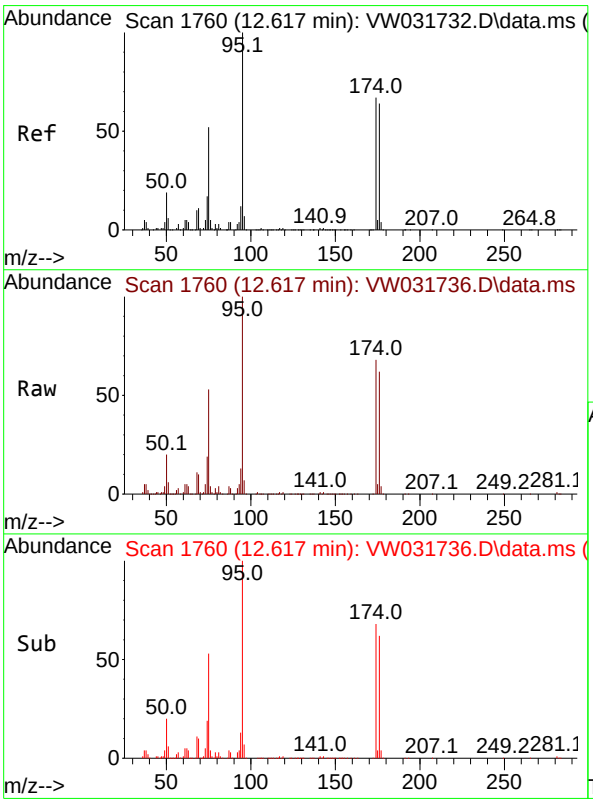
#61
1,2-Dibromoethane
Concen: 53.440 ug/l
RT: 11.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:107 Resp: 123748

Ion	Ratio	Lower	Upper
107	100		
109	96.0	73.9	110.9

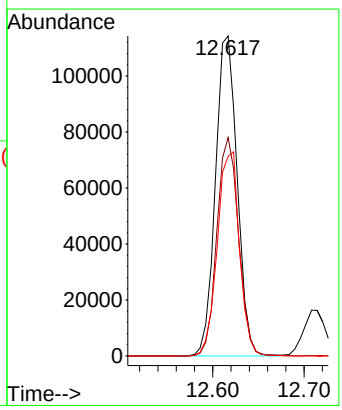


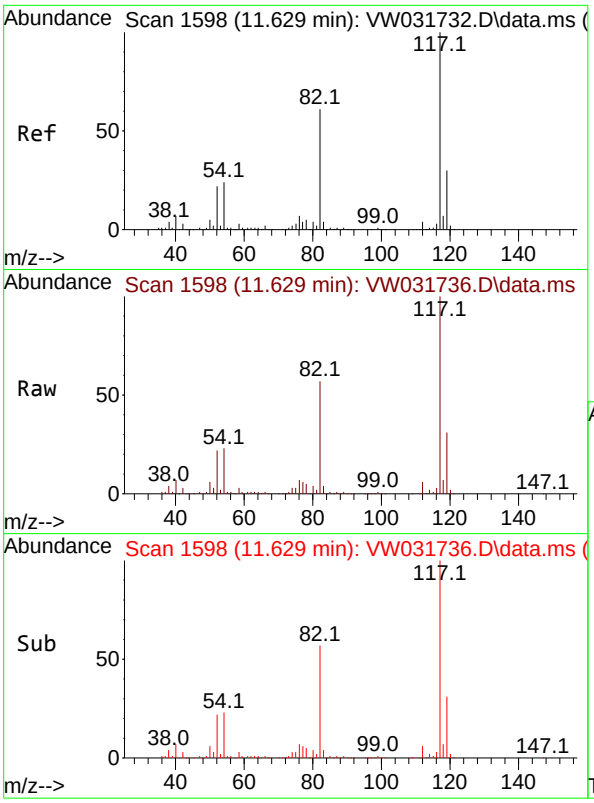


#62
4-Bromofluorobenzene
Concen: 52.265 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 95 Resp: 189206

Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	133.8
176	64.9	0.0	126.0



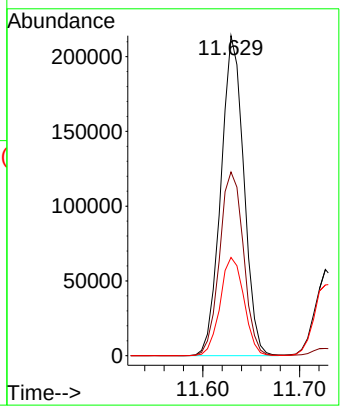


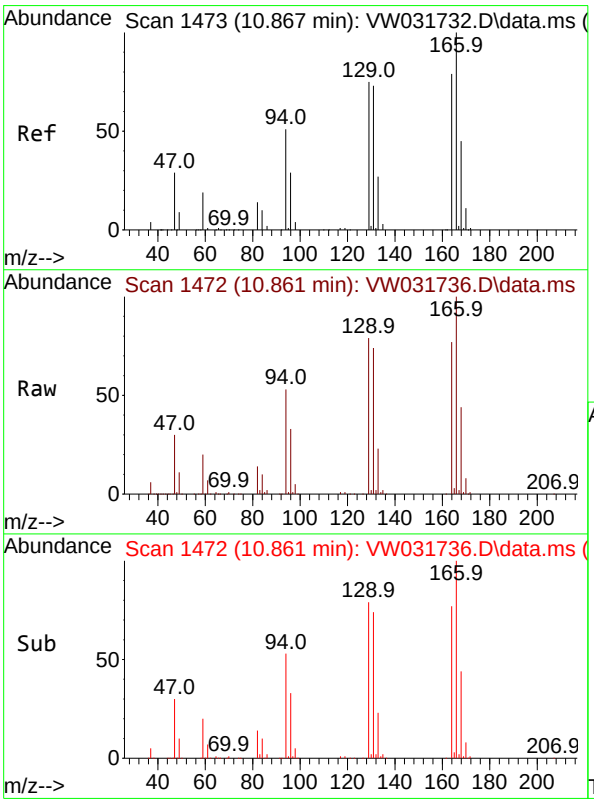
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:117 Resp: 352363

Ion	Ratio	Lower	Upper
117	100		
82	57.4	48.6	72.8
119	30.7	23.9	35.9

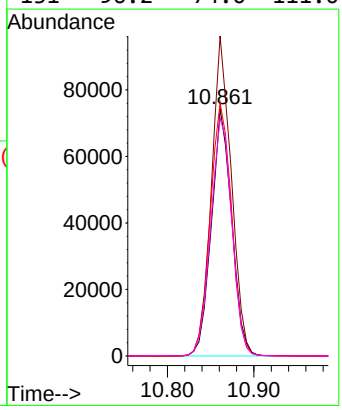


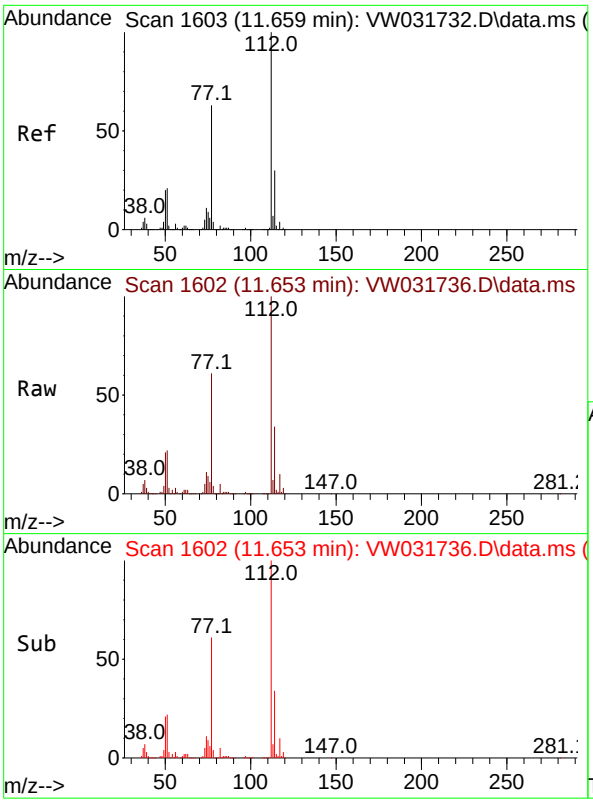


#64
Tetrachloroethene
Concen: 52.421 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:164 Resp: 120824

Ion	Ratio	Lower	Upper
164	100		
166	129.5	100.7	151.1
129	102.5	75.4	113.0
131	96.2	74.0	111.0



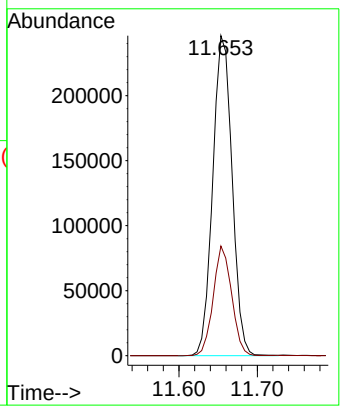


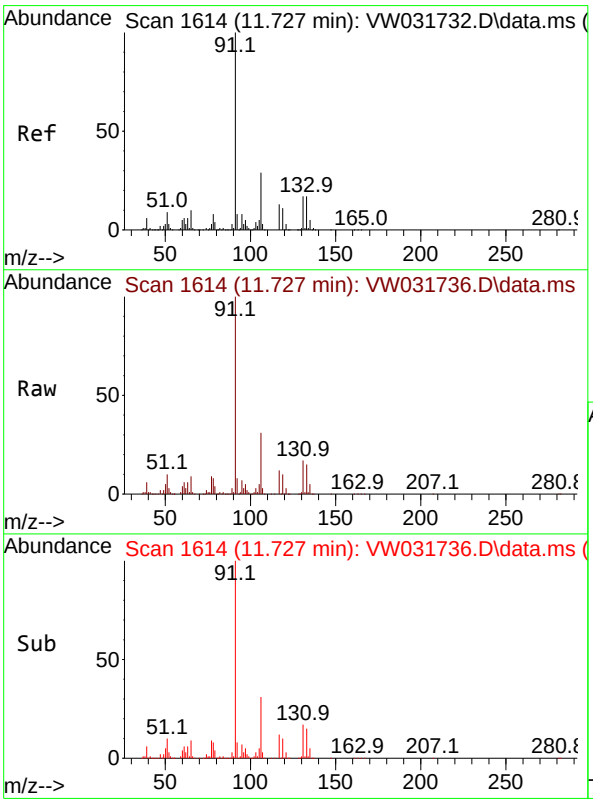
#65
Chlorobenzene
Concen: 54.443 ug/l
RT: 11.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:112 Resp: 423257

Ion	Ratio	Lower	Upper
112	100		
114	34.3	23.8	35.8

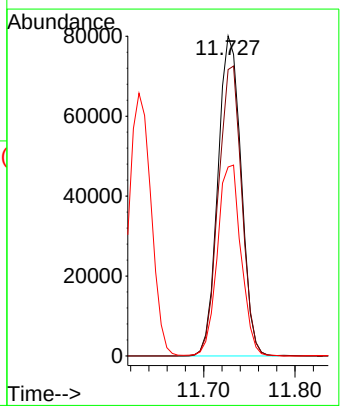


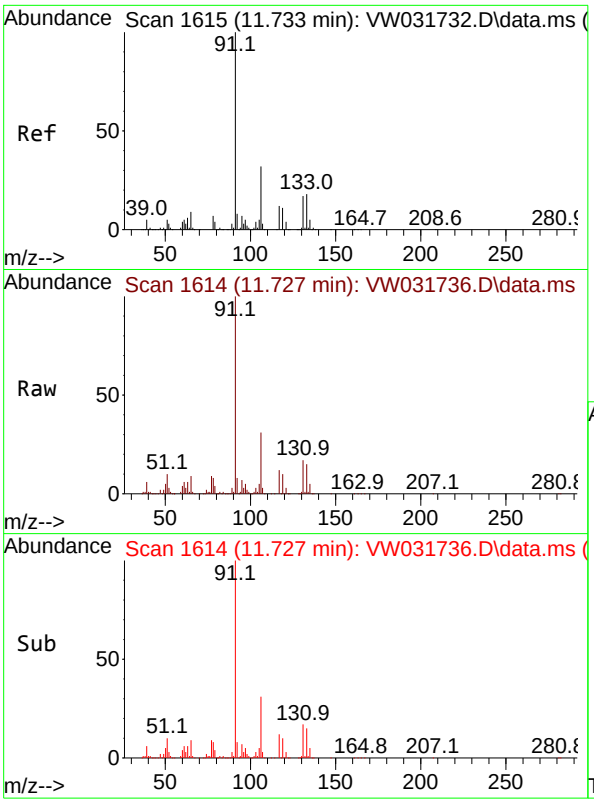


#66
1,1,1,2-Tetrachloroethane
Concen: 57.176 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:131 Resp: 141650

Ion	Ratio	Lower	Upper
131	100		
133	91.3	48.5	145.6
119	61.0	32.5	97.5



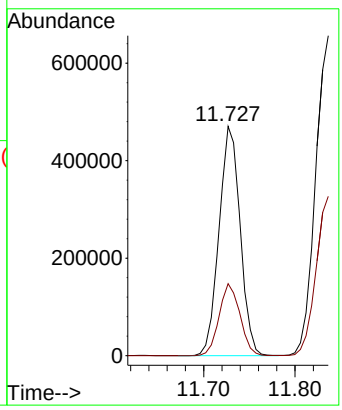


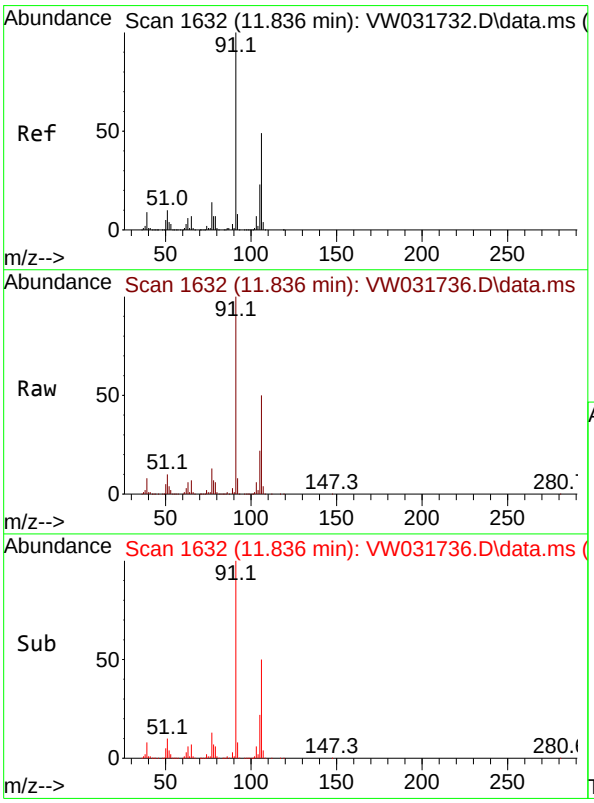
#67
Ethyl Benzene
Concen: 56.161 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 91 Resp: 757105

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.2

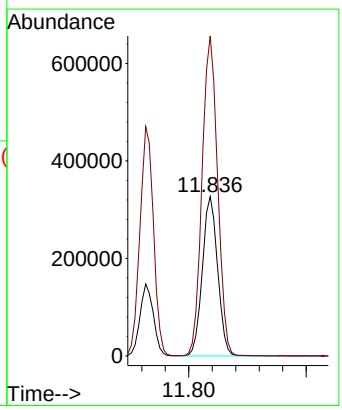


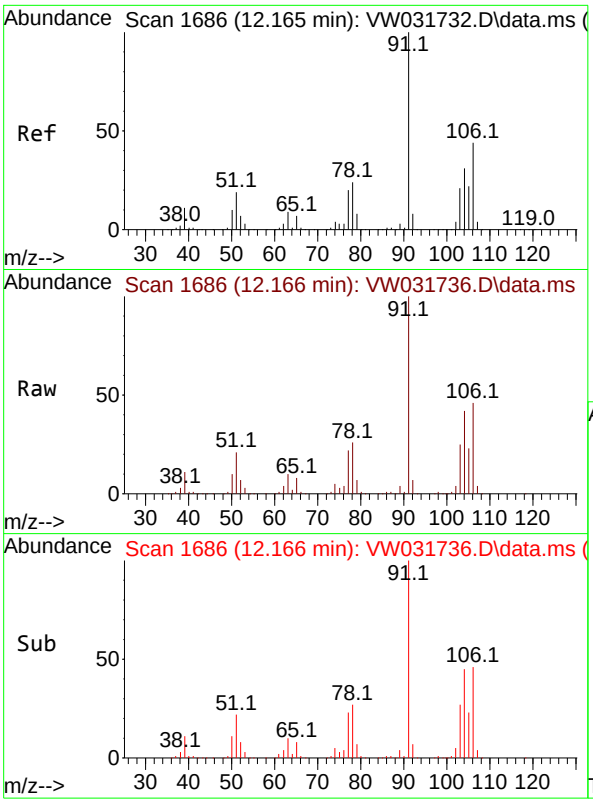


#68
m/p-Xylenes
Concen: 113.903 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:106 Resp: 590281

Ion	Ratio	Lower	Upper
106	100		
91	204.7	166.4	249.6



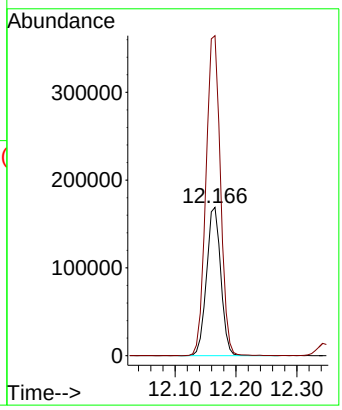


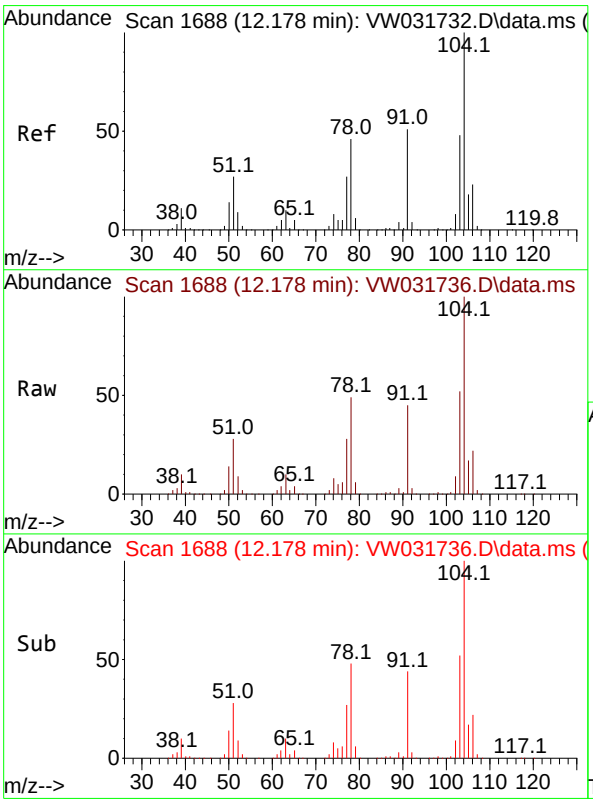
#69
o-Xylene
Concen: 57.208 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:106 Resp: 274498

Ion	Ratio	Lower	Upper
106	100		
91	219.7	111.5	334.4

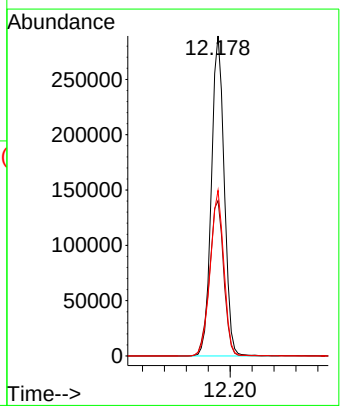


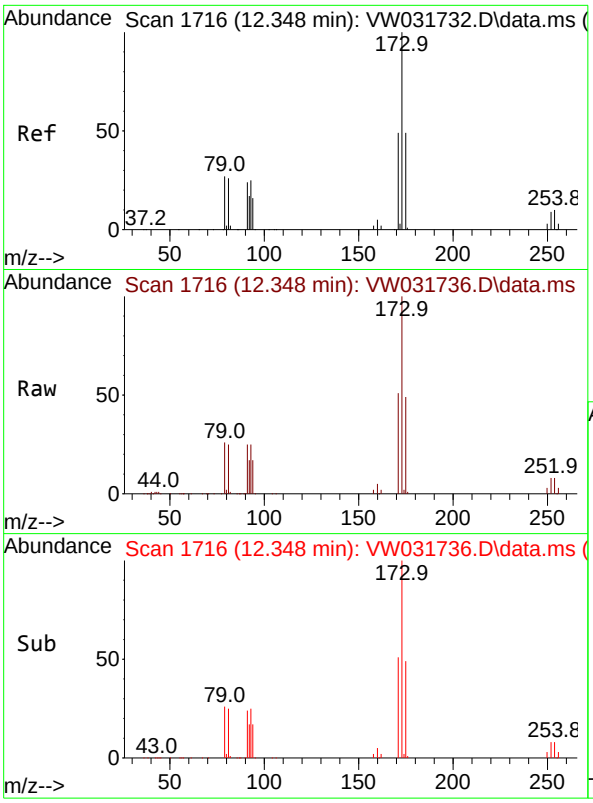


#70
Styrene
Concen: 56.574 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:104 Resp: 469288

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.1	63.1
103	54.9	43.0	64.6



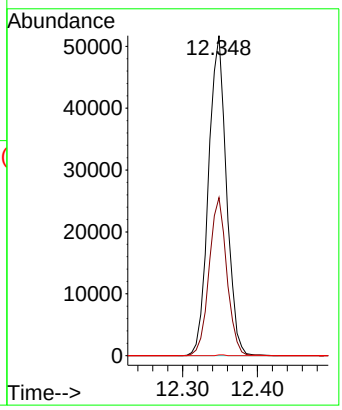


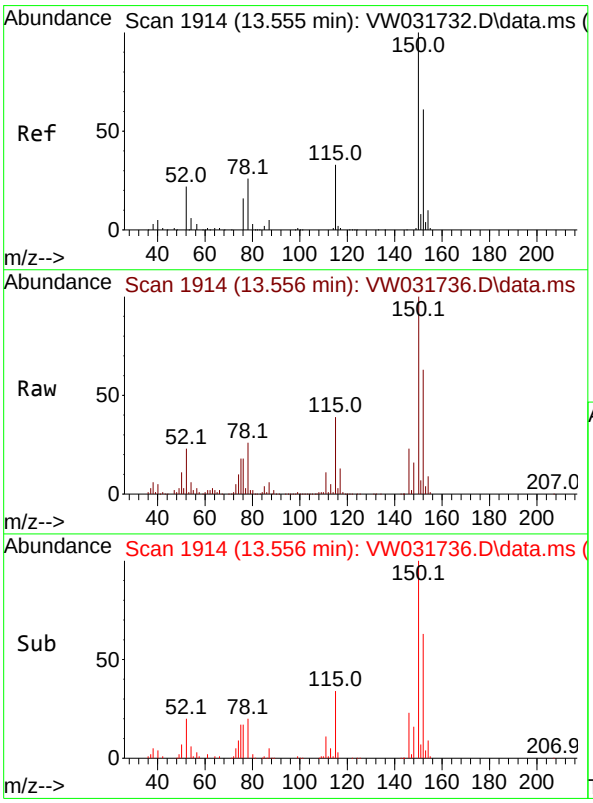
#71
Bromoform
Concen: 58.331 ug/l
RT: 12.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:173 Resp: 86209

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.1	0.1	0.1

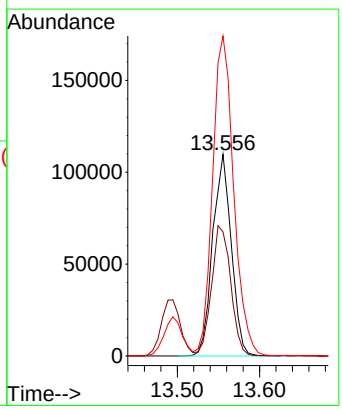


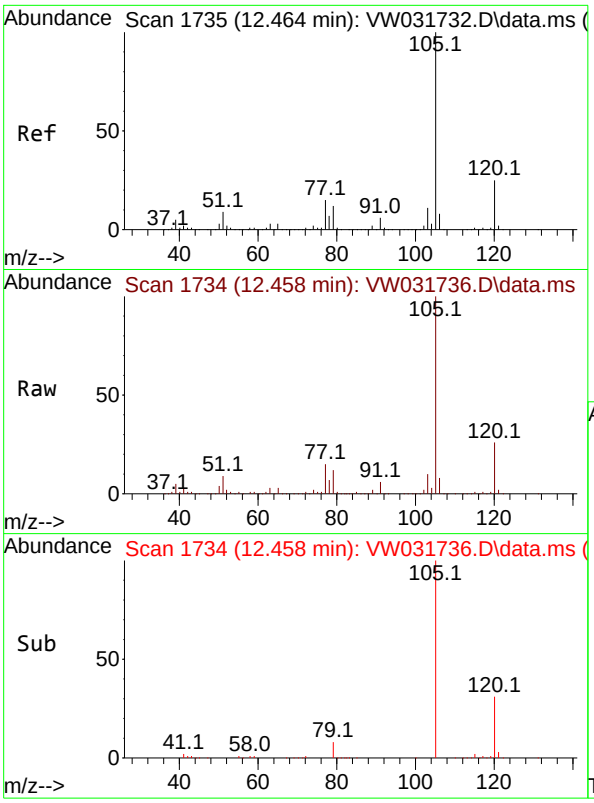


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:152 Resp: 172405

Ion	Ratio	Lower	Upper
152	100		
115	66.4	31.9	95.7
150	179.9	0.0	356.4



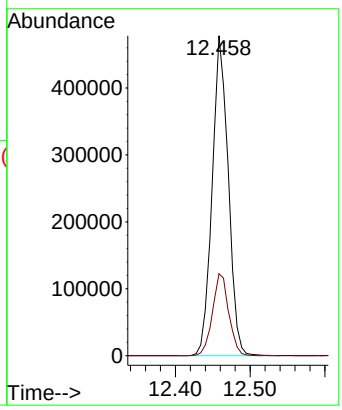


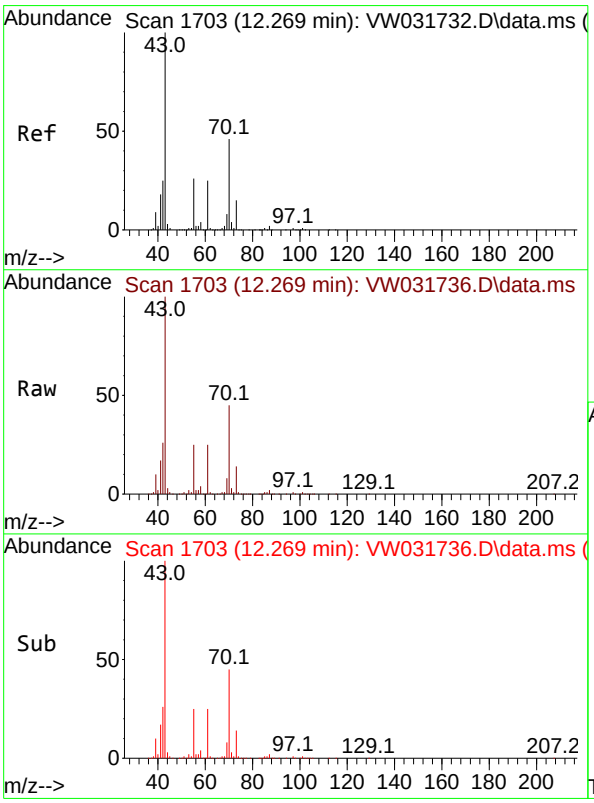
#73
Isopropylbenzene
Concen: 54.594 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:105 Resp: 715943

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

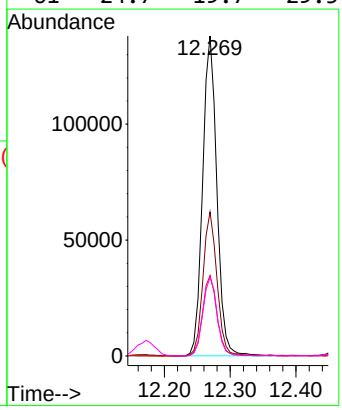


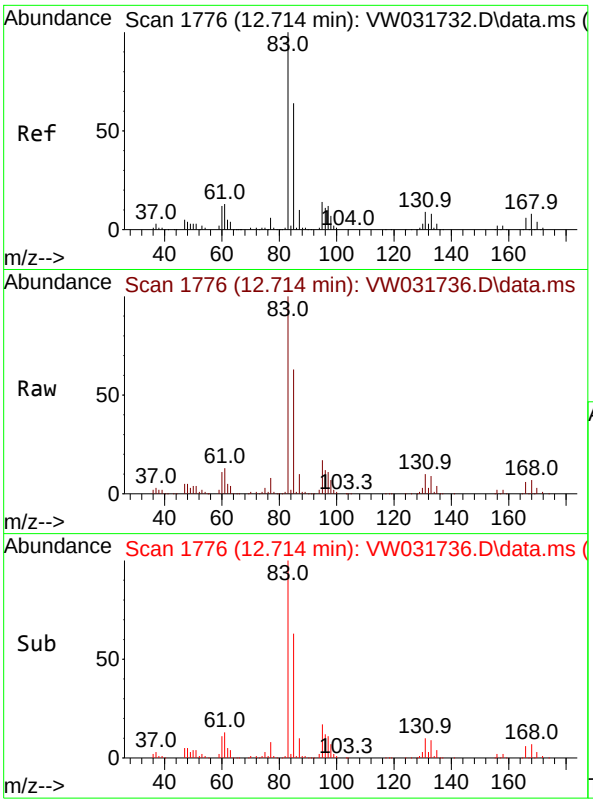


#74
N-amyl acetate
Concen: 58.715 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 43 Resp: 207540

Ion	Ratio	Lower	Upper
43	100		
70	44.5	36.0	54.0
55	25.5	20.8	31.2
61	24.7	19.7	29.5



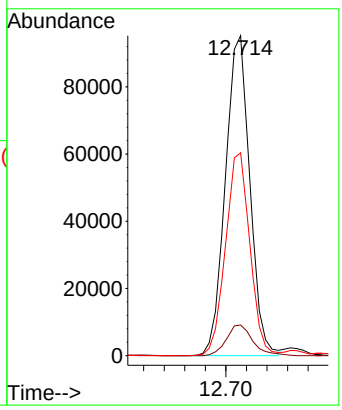


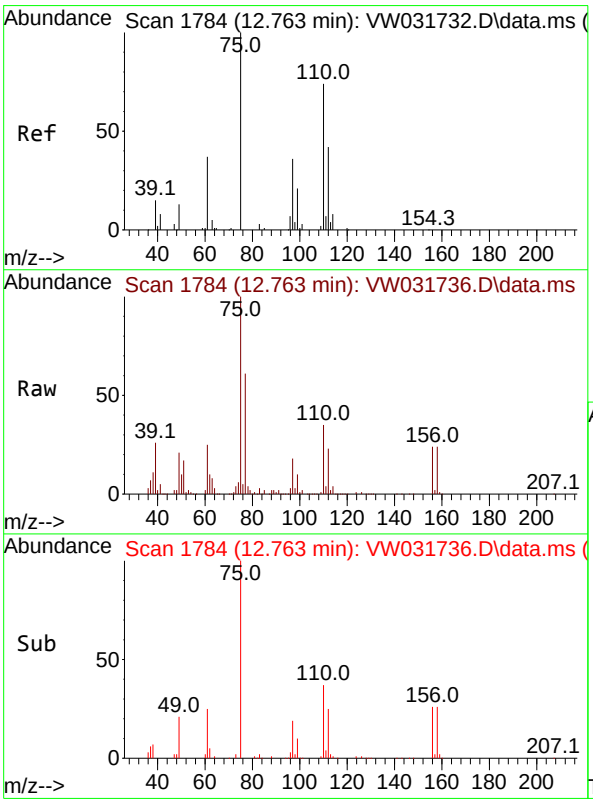
#75
1,1,2,2-Tetrachloroethane
Concen: 54.047 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 83 Resp: 157354

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	63.2	32.0	96.2

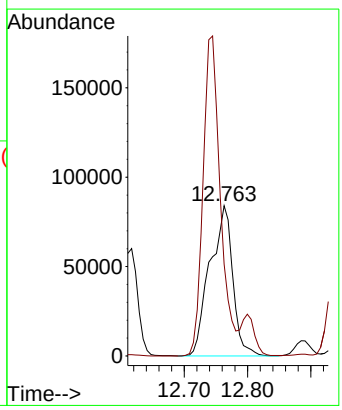


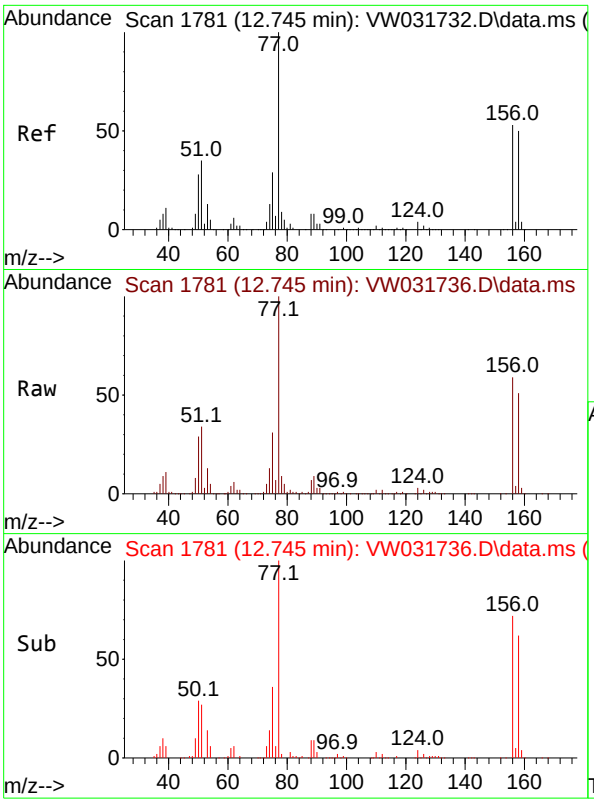


#76
1,2,3-Trichloropropane
Concen: 94.733 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 211061

Ion	Ratio	Lower	Upper
75	100		
77	161.2	141.2	423.6



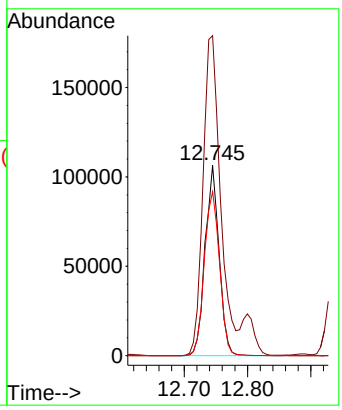


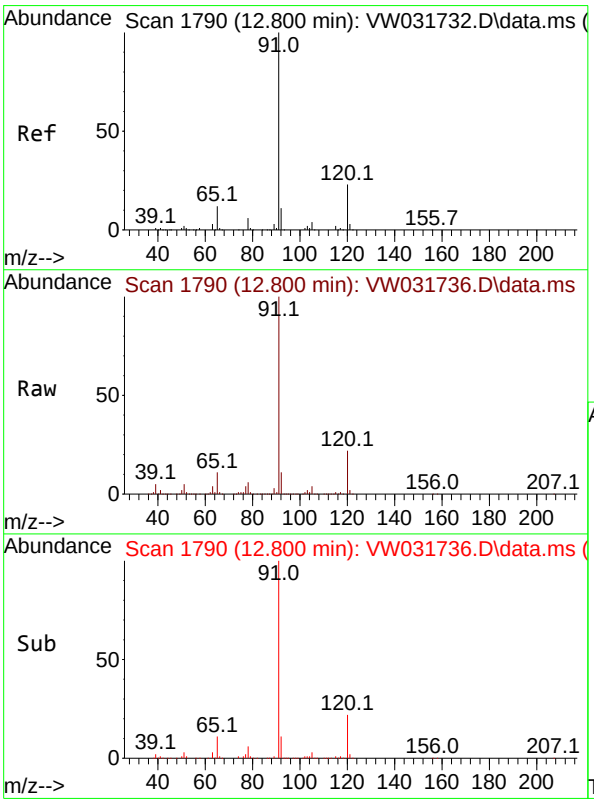
#77
Bromobenzene
Concen: 56.175 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:156 Resp: 164306

Ion	Ratio	Lower	Upper
156	100		
77	207.0	117.9	353.7
158	93.8	52.6	157.8

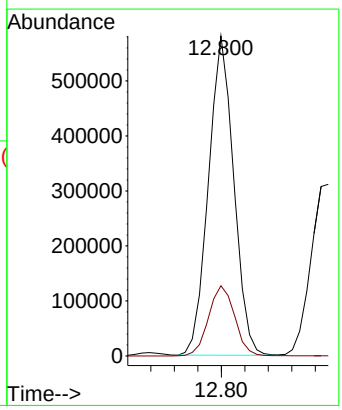


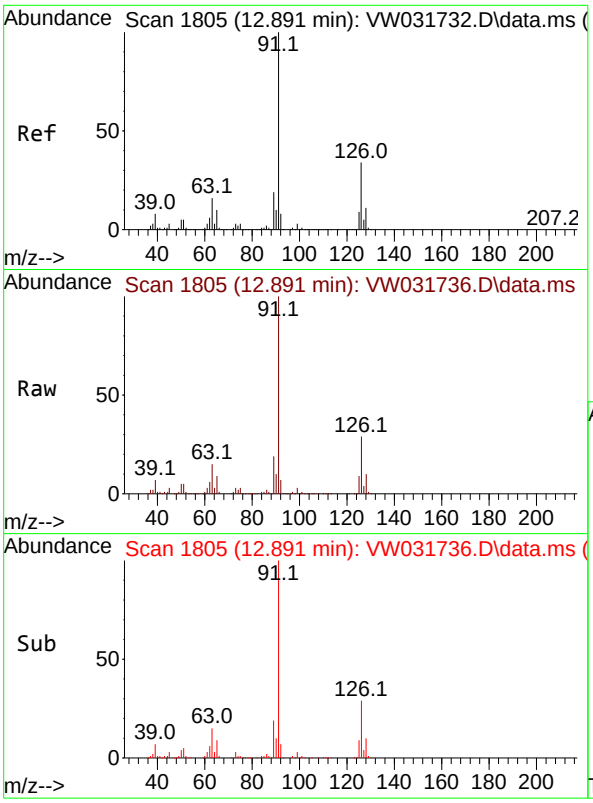


#78
n-propylbenzene
Concen: 55.325 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 868816

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.4



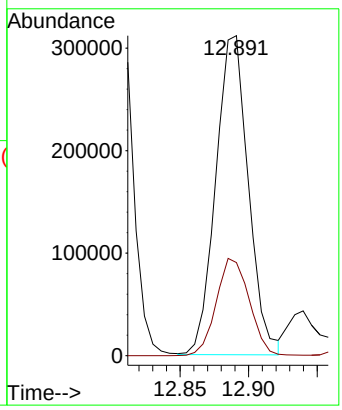


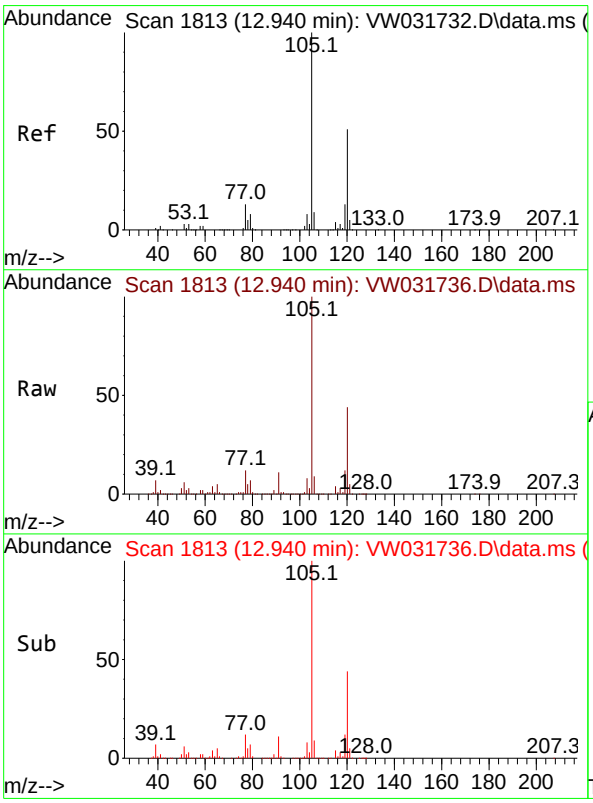
#79
2-Chlorotoluene
Concen: 54.514 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 91 Resp: 515508

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.4

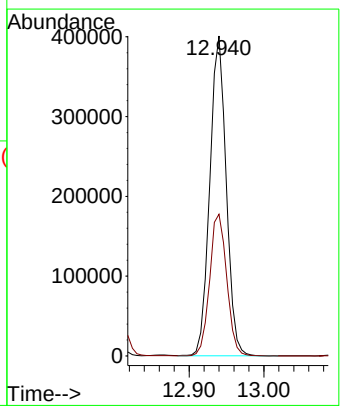


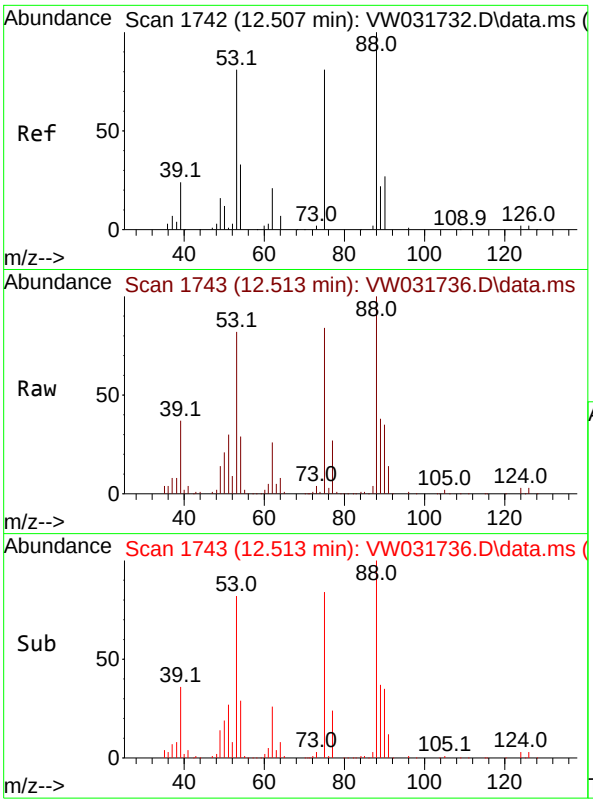


#80
1,3,5-Trimethylbenzene
Concen: 56.260 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 610714

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2



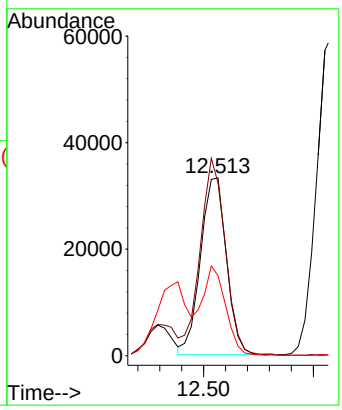


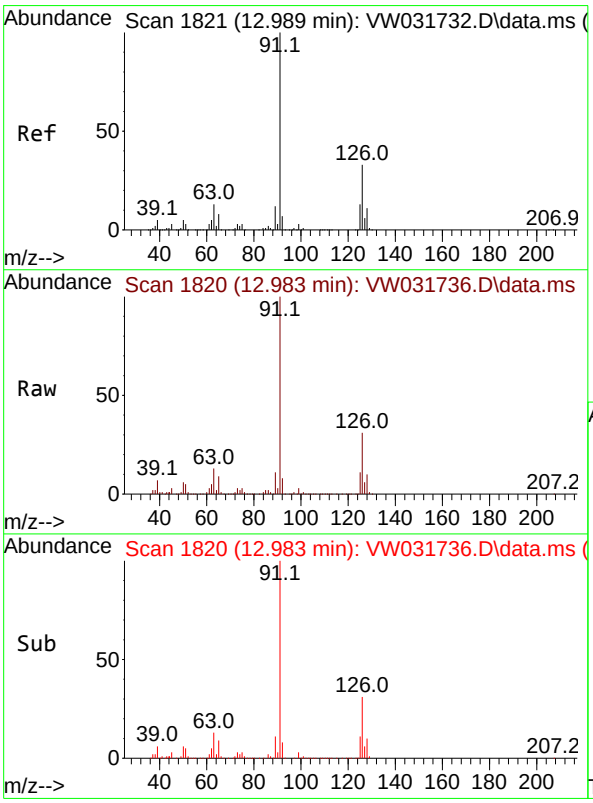
#81
trans-1,4-Dichloro-2-butene
Concen: 57.276 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 75 Resp: 54787

Ion	Ratio	Lower	Upper
75	100		
53	108.5	83.5	125.3
89	46.6	38.3	57.5

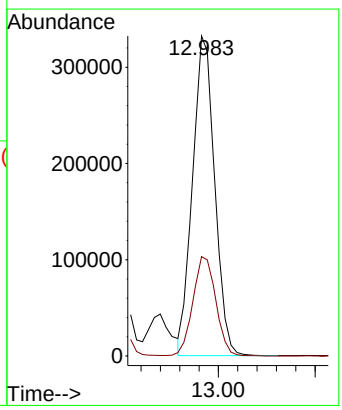


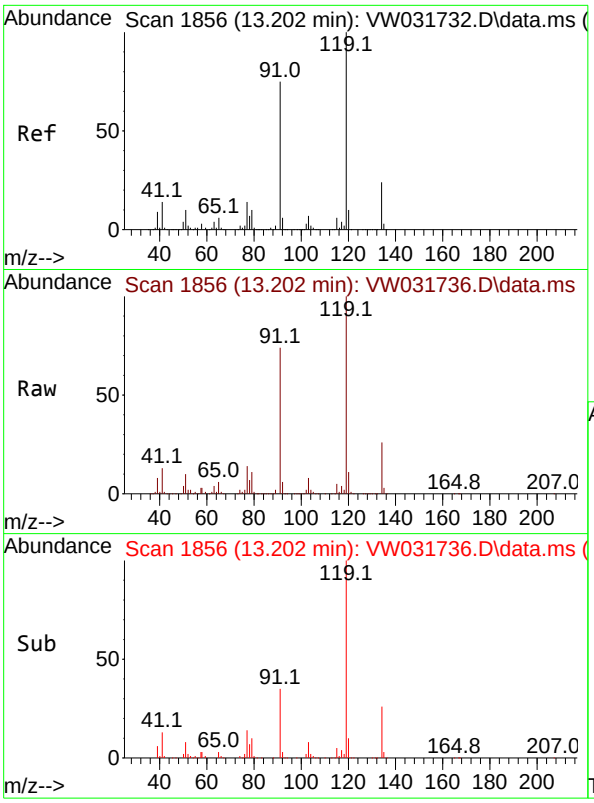


#82
4-Chlorotoluene
Concen: 53.189 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 91 Resp: 528072

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9



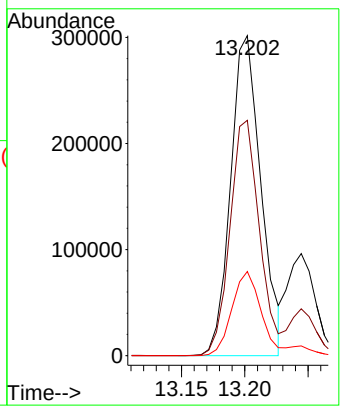


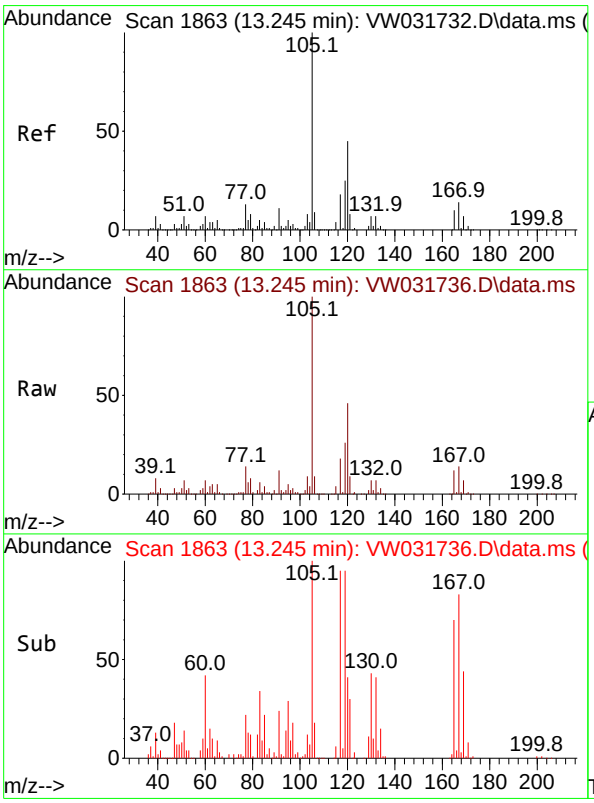
#83
tert-Butylbenzene
Concen: 53.999 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:119 Resp: 502105

Ion	Ratio	Lower	Upper
119	100		
91	71.4	36.0	108.1
134	25.5	12.4	37.2

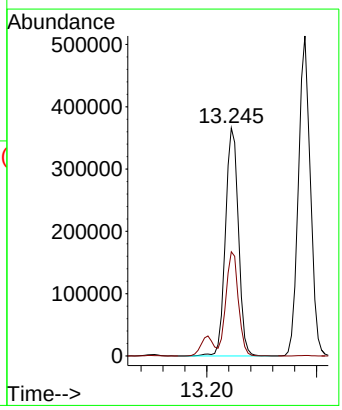


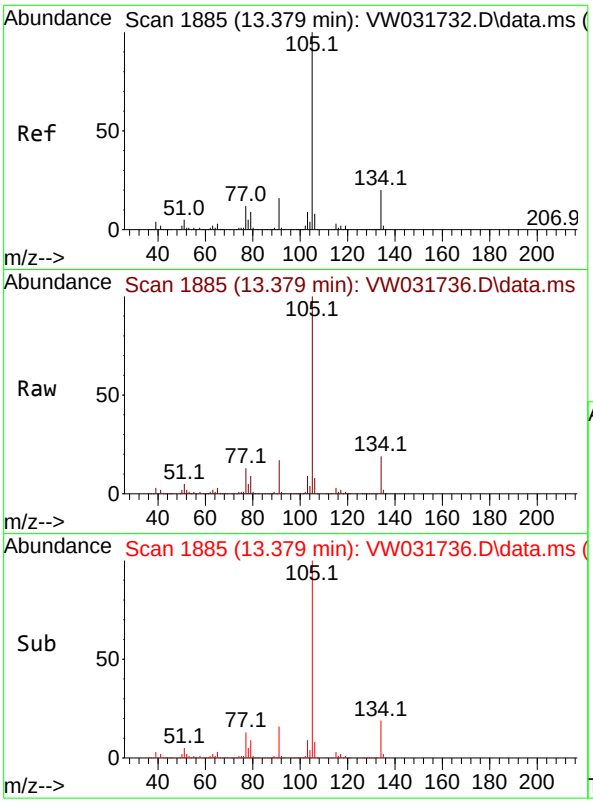


#84
1,2,4-Trimethylbenzene
Concen: 54.815 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:105 Resp: 602889

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1



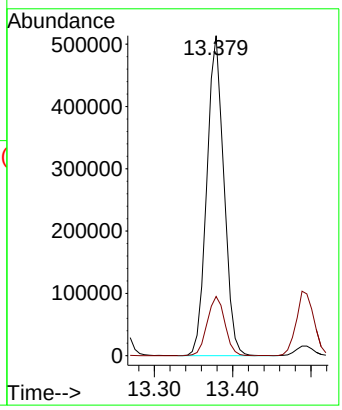


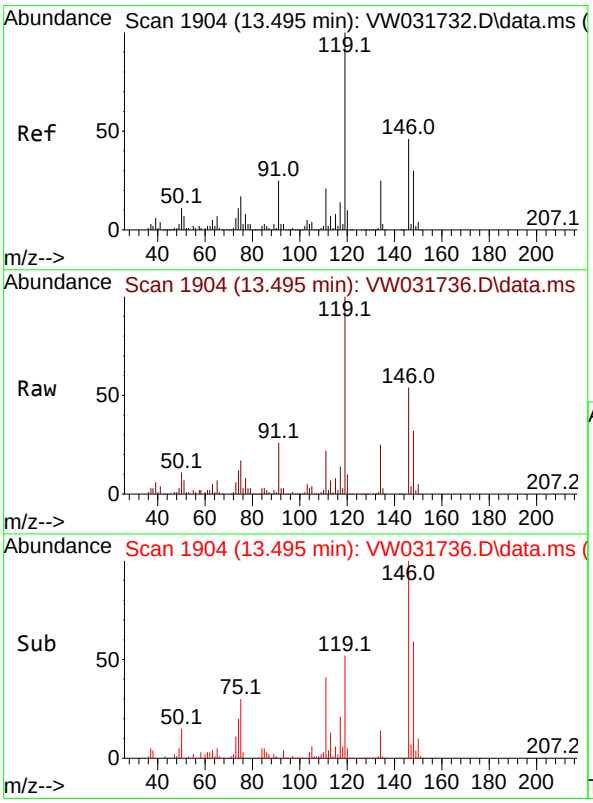
#85
sec-Butylbenzene
Concen: 55.450 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:105 Resp: 773900

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

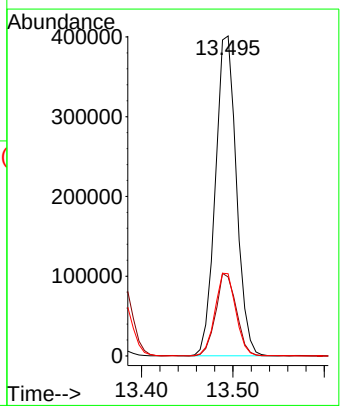


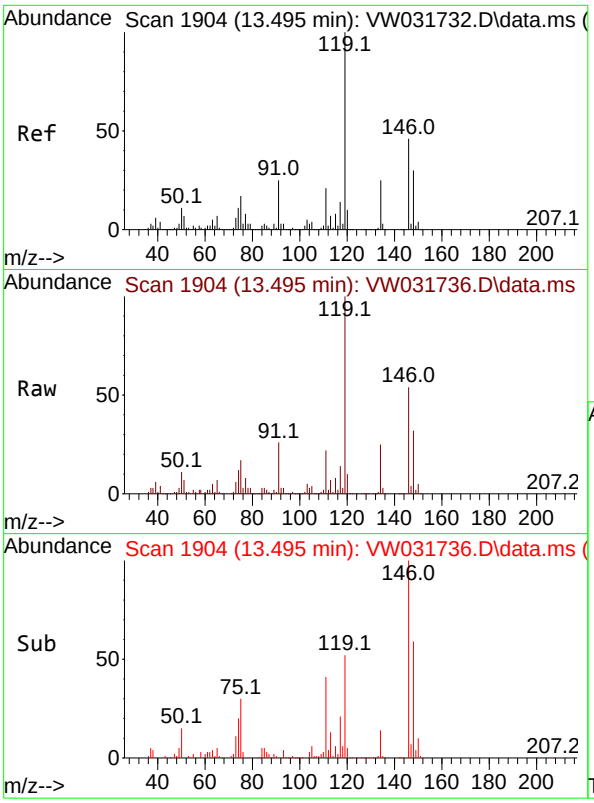


#86
p-Isopropyltoluene
Concen: 55.591 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:119 Resp: 639419

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	25.6	12.7	38.0



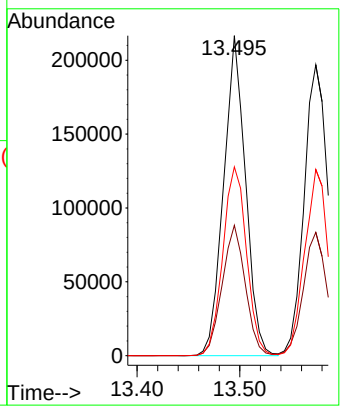


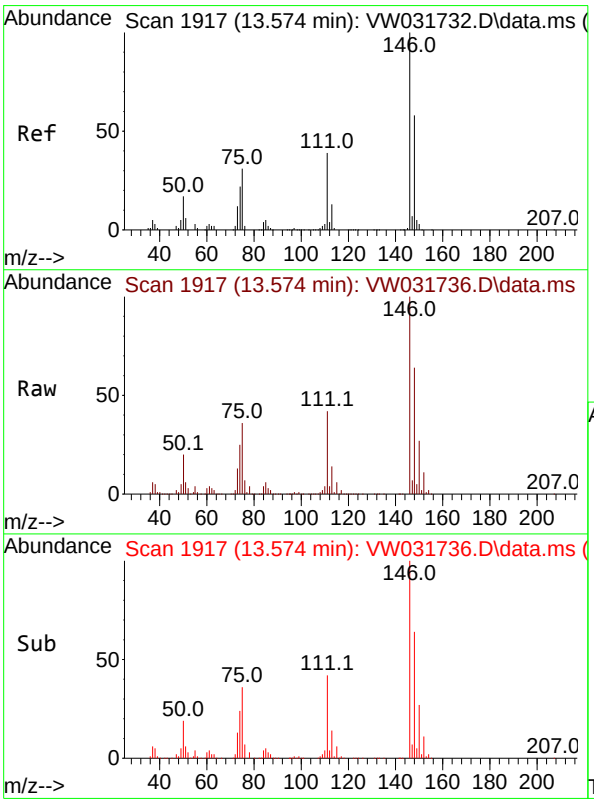
#87
1,3-Dichlorobenzene
Concen: 54.762 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:146 Resp: 321218

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.3	66.9
148	63.8	31.8	95.4

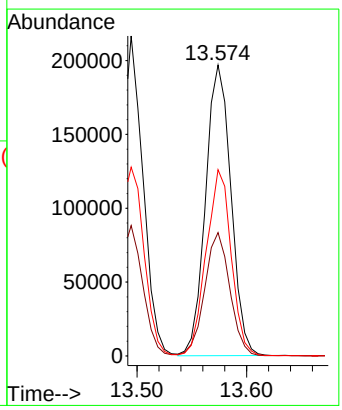


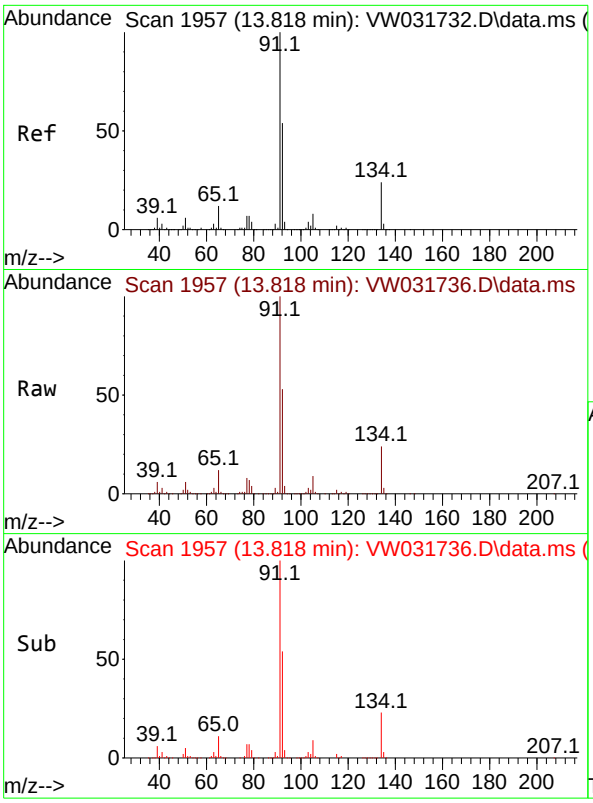


#88
1,4-Dichlorobenzene
Concen: 52.771 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:146 Resp: 316827

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.4	30.2	90.6



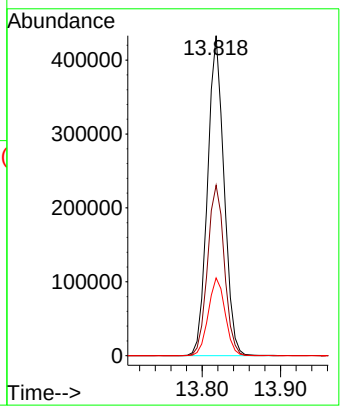


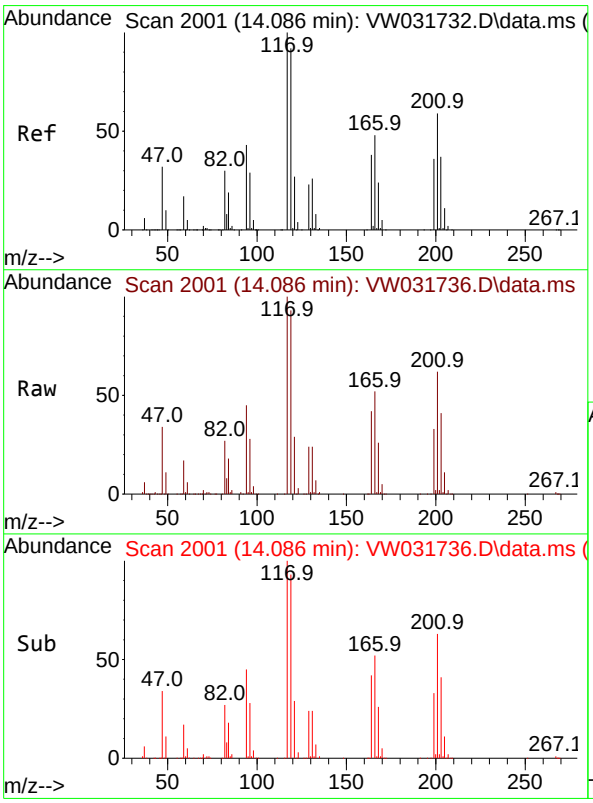
#89
n-Butylbenzene
Concen: 56.443 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion: 91 Resp: 630792

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.5
134	24.9	12.2	36.6

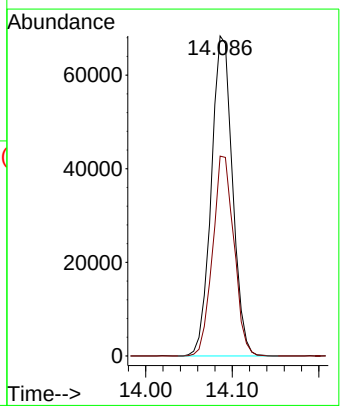


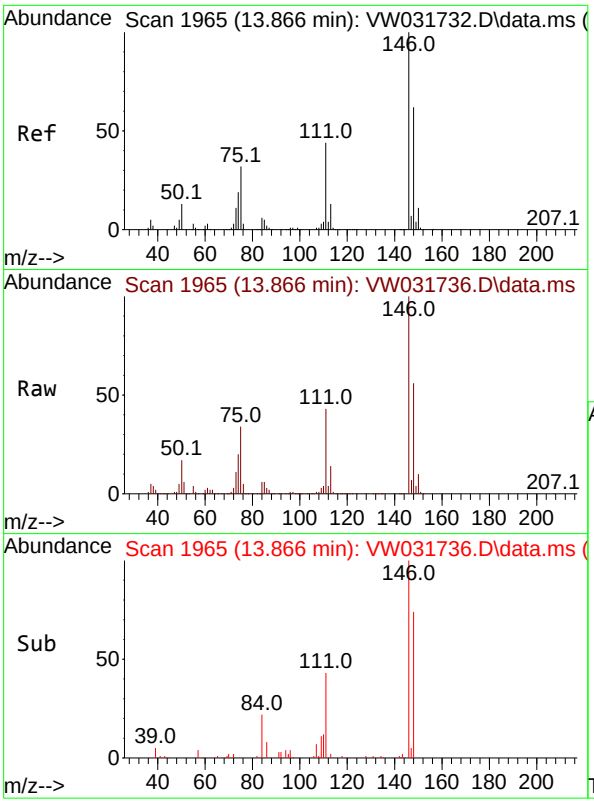


#90
Hexachloroethane
Concen: 56.049 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:117 Resp: 116309

Ion	Ratio	Lower	Upper
117	100		
201	62.7	31.1	93.3



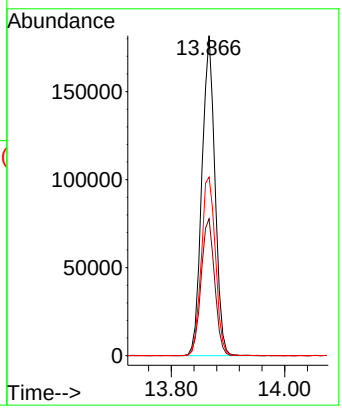


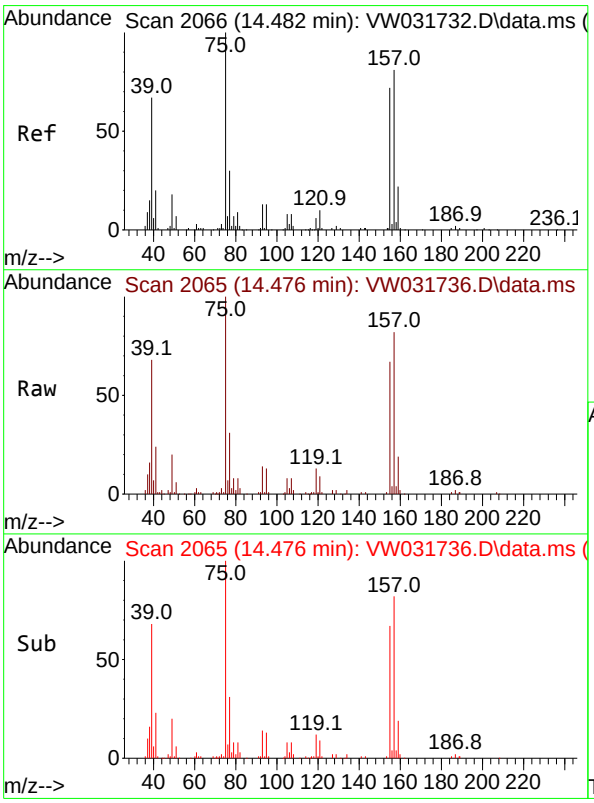
#91
1,2-Dichlorobenzene
Concen: 54.274 ug/l
RT: 13.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:146 Resp: 290975

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.7	65.1
148	60.3	29.8	89.5

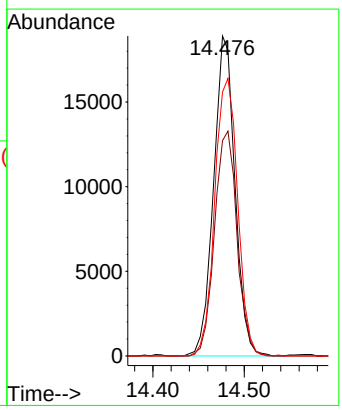


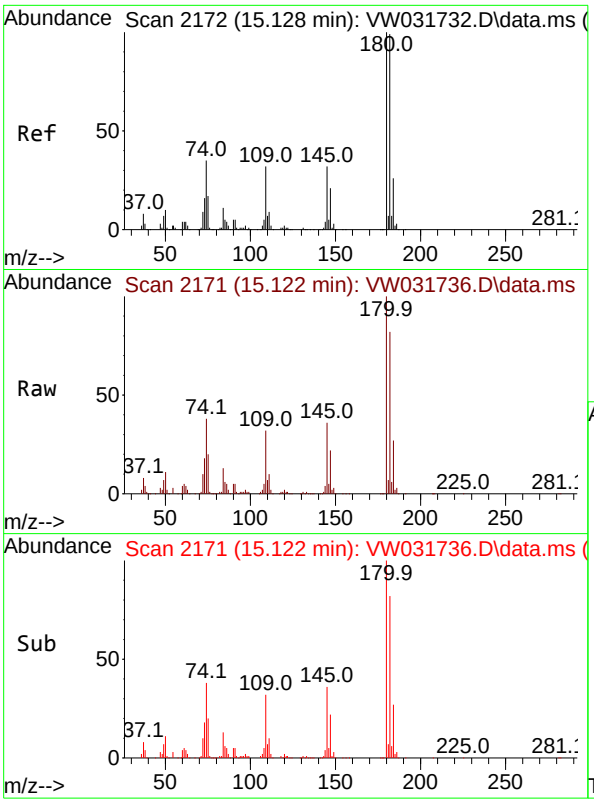


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.174 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion: 75 Resp: 30797

Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.2	111.6
157	92.6	45.6	136.9



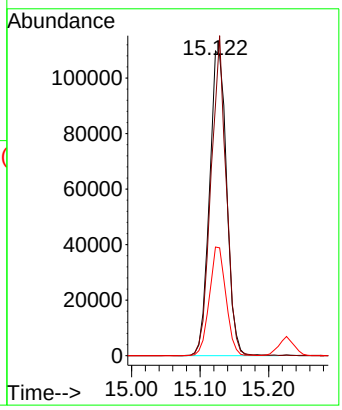


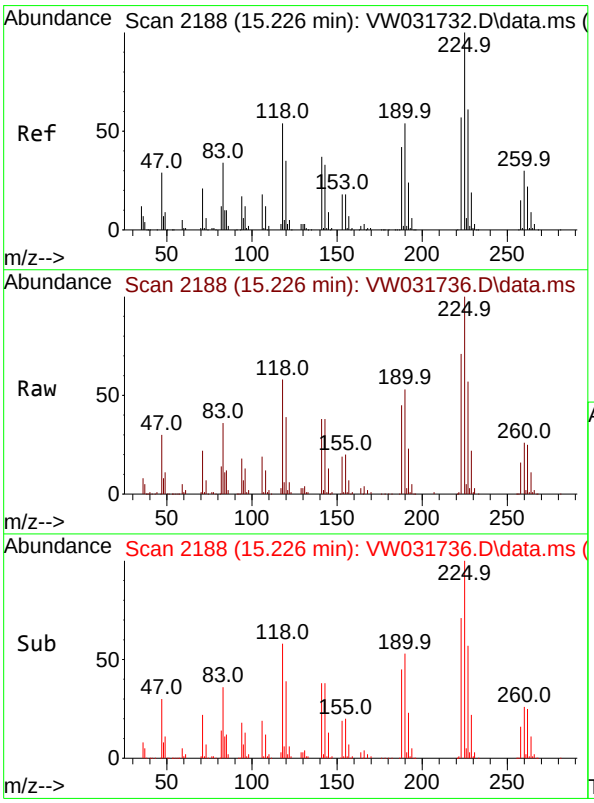
#93
1,2,4-Trichlorobenzene
Concen: 57.742 ug/l
RT: 15.122 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:180 Resp: 190916

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.6	145.9
145	34.5	17.3	51.7

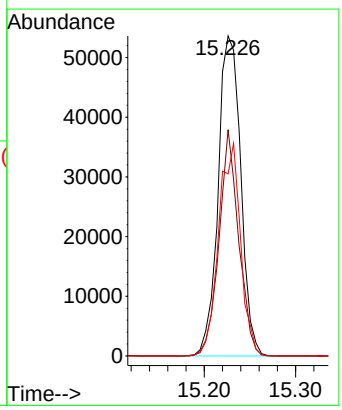


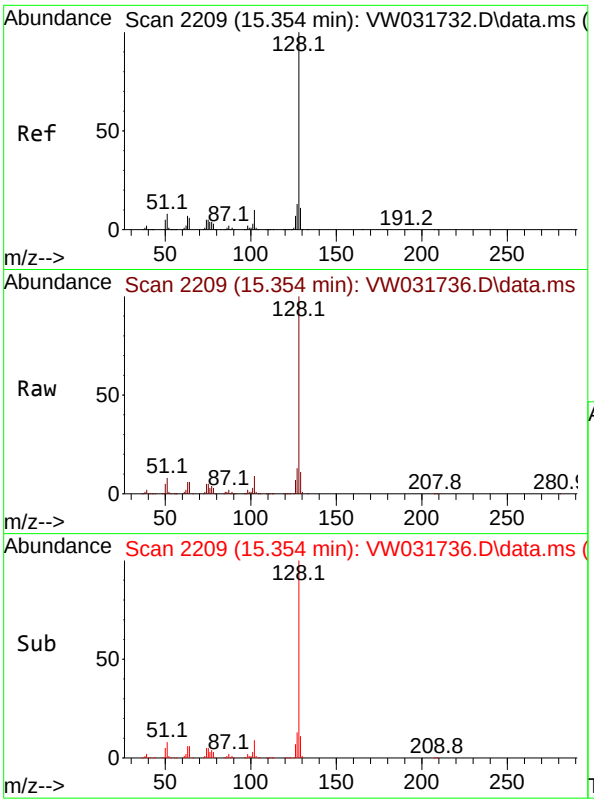


#94
Hexachlorobutadiene
Concen: 57.772 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:225 Resp: 92237

Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.6	97.8
227	64.4	37.3	111.8



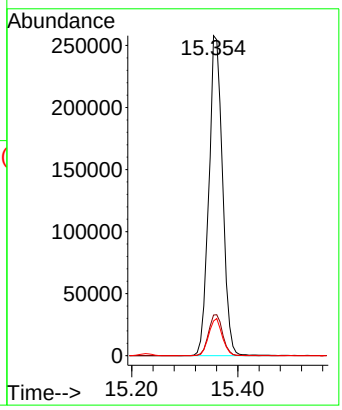


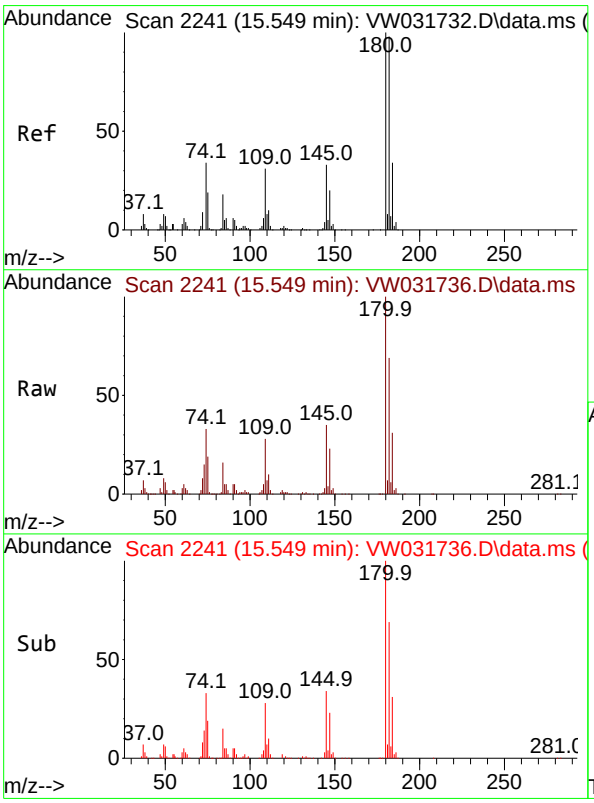
#95
Naphthalene
Concen: 56.915 ug/l
RT: 15.354 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Instrument :
MSVOA_W
ClientSampleId :
ICVVW063025

Tgt Ion:128 Resp: 461350

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.4	8.7	13.1

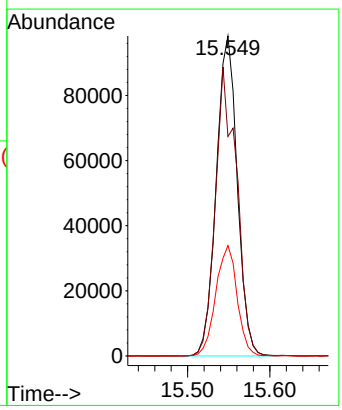




#96
1,2,3-Trichlorobenzene
Concen: 57.366 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031736.D
Acq: 30 Jun 2025 15:23

Tgt Ion:180 Resp: 174283

Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.4	139.1
145	35.1	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	245114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	431816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171584	48.778	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.560%			
35) Dibromofluoromethane	7.898	113	142229	50.475	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.960%			
50) Toluene-d8	10.325	98	531723	50.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.617	95	197999	51.310	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	81335	48.724	ug/l	100
3) Chloromethane	2.259	50	103069	51.214	ug/l	99
4) Vinyl Chloride	2.411	62	138364	52.307	ug/l	97
5) Bromomethane	2.832	94	98437	47.643	ug/l	98
6) Chloroethane	2.972	64	89799	49.977	ug/l	97
7) Trichlorofluoromethane	3.308	101	120660	50.227	ug/l	99
8) Diethyl Ether	3.722	74	91609	50.184	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.112	101	135020	50.636	ug/l	99
10) Methyl Iodide	4.307	142	203278	49.451	ug/l	100
11) Tert butyl alcohol	5.216	59	51199	234.934	ug/l	95
12) 1,1-Dichloroethene	4.082	96	147549	50.519	ug/l	95
13) Acrolein	3.929	56	54976	140.356	ug/l	97
14) Allyl chloride	4.710	41	234241	52.272	ug/l	99
15) Acrylonitrile	5.399	53	219796	244.849	ug/l	100
16) Acetone	4.161	43	213330	245.359	ug/l	98
17) Carbon Disulfide	4.423	76	385360	49.307	ug/l	99
18) Methyl Acetate	4.710	43	127191	51.186	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	270710	54.609	ug/l	99
20) Methylene Chloride	4.954	84	201763	59.333	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	156753	50.510	ug/l	93
22) Diisopropyl ether	6.338	45	487890	55.824	ug/l	98
23) Vinyl Acetate	6.283	43	1595365	267.247	ug/l	100
24) 1,1-Dichloroethane	6.246	63	296292	52.291	ug/l	99
25) 2-Butanone	7.191	43	295099	260.886	ug/l	99
26) 2,2-Dichloropropane	7.185	77	168976	51.113	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	187769	52.636	ug/l	100
28) Bromochloromethane	7.532	49	128678	51.462	ug/l	99
29) Tetrahydrofuran	7.551	42	195918	252.916	ug/l	98
30) Chloroform	7.691	83	312149	51.845	ug/l	99
31) Cyclohexane	7.971	56	252208	50.354	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	238332	51.366	ug/l	99
36) 1,1-Dichloropropene	8.093	75	218825	53.667	ug/l	99
37) Ethyl Acetate	7.270	43	126413	49.147	ug/l	99
38) Carbon Tetrachloride	8.081	117	219039	52.716	ug/l	99
39) Methylcyclohexane	9.343	83	274893	54.187	ug/l	99
40) Benzene	8.337	78	640183	53.067	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	74278	53.907	ug/l		96
42) 1,2-Dichloroethane	8.410	62	214834	52.705	ug/l		99
43) Isopropyl Acetate	8.435	43	235257	53.059	ug/l		99
44) Trichloroethene	9.099	130	150522	49.991	ug/l		96
45) 1,2-Dichloropropane	9.374	63	156663	53.733	ug/l		97
46) Dibromomethane	9.465	93	99819	53.029	ug/l		96
47) Bromodichloromethane	9.654	83	241552	54.724	ug/l		97
48) Methyl methacrylate	9.441	41	114242	52.401	ug/l		98
49) 1,4-Dioxane	9.465	88	23364	1059.780	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.209	43	674703	264.687	ug/l		100
52) Toluene	10.392	92	417758	54.087	ug/l		97
53) t-1,3-Dichloropropene	10.611	75	232972	56.253	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	263620	56.150	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	130782	53.040	ug/l		97
56) Ethyl methacrylate	10.648	69	191318	57.193	ug/l		98
57) 1,3-Dichloropropane	10.934	76	234750	54.227	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	424465	230.437	ug/l		97
59) 2-Hexanone	10.971	43	473151	273.918	ug/l		99
60) Dibromochloromethane	11.129	129	157563	53.437	ug/l		97
61) 1,2-Dibromoethane	11.239	107	129900	52.626	ug/l		99
64) Tetrachloroethene	10.861	164	123056	50.476	ug/l		92
65) Chlorobenzene	11.660	112	445036	54.120	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.727	131	143400	54.724	ug/l		100
67) Ethyl Benzene	11.727	91	791900	55.536	ug/l		99
68) m/p-Xylenes	11.837	106	621844	113.445	ug/l		97
69) o-Xylene	12.166	106	291178	57.372	ug/l		97
70) Styrene	12.178	104	487219	55.530	ug/l		99
71) Bromoform	12.349	173	80971	51.797	ug/l	#	99
73) Isopropylbenzene	12.458	105	751622	56.847	ug/l		100
74) N-amyl acetate	12.269	43	213716	59.970	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	160789	54.777	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	207841	92.528	ug/l		42
77) Bromobenzene	12.745	156	162590	55.136	ug/l		91
78) n-propylbenzene	12.800	91	919660	58.086	ug/l		98
79) 2-Chlorotoluene	12.891	91	543574	57.014	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	633002	57.838	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	54744	56.764	ug/l		98
82) 4-Chlorotoluene	12.989	91	560825	56.028	ug/l		98
83) tert-Butylbenzene	13.202	119	541064	57.715	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	635294	57.291	ug/l		99
85) sec-Butylbenzene	13.379	105	815956	57.987	ug/l		98
86) p-Isopropyltoluene	13.495	119	680929	58.717	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	311093	52.604	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	314021	51.878	ug/l		95
89) n-Butylbenzene	13.818	91	650184	57.705	ug/l		100
90) Hexachloroethane	14.092	117	114483	54.720	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	285982	52.908	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	30074	52.471	ug/l		94
93) 1,2,4-Trichlorobenzene	15.123	180	183110	54.930	ug/l		93
94) Hexachlorobutadiene	15.226	225	88681	55.092	ug/l		92
95) Naphthalene	15.360	128	458410	56.091	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	167959	54.834	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

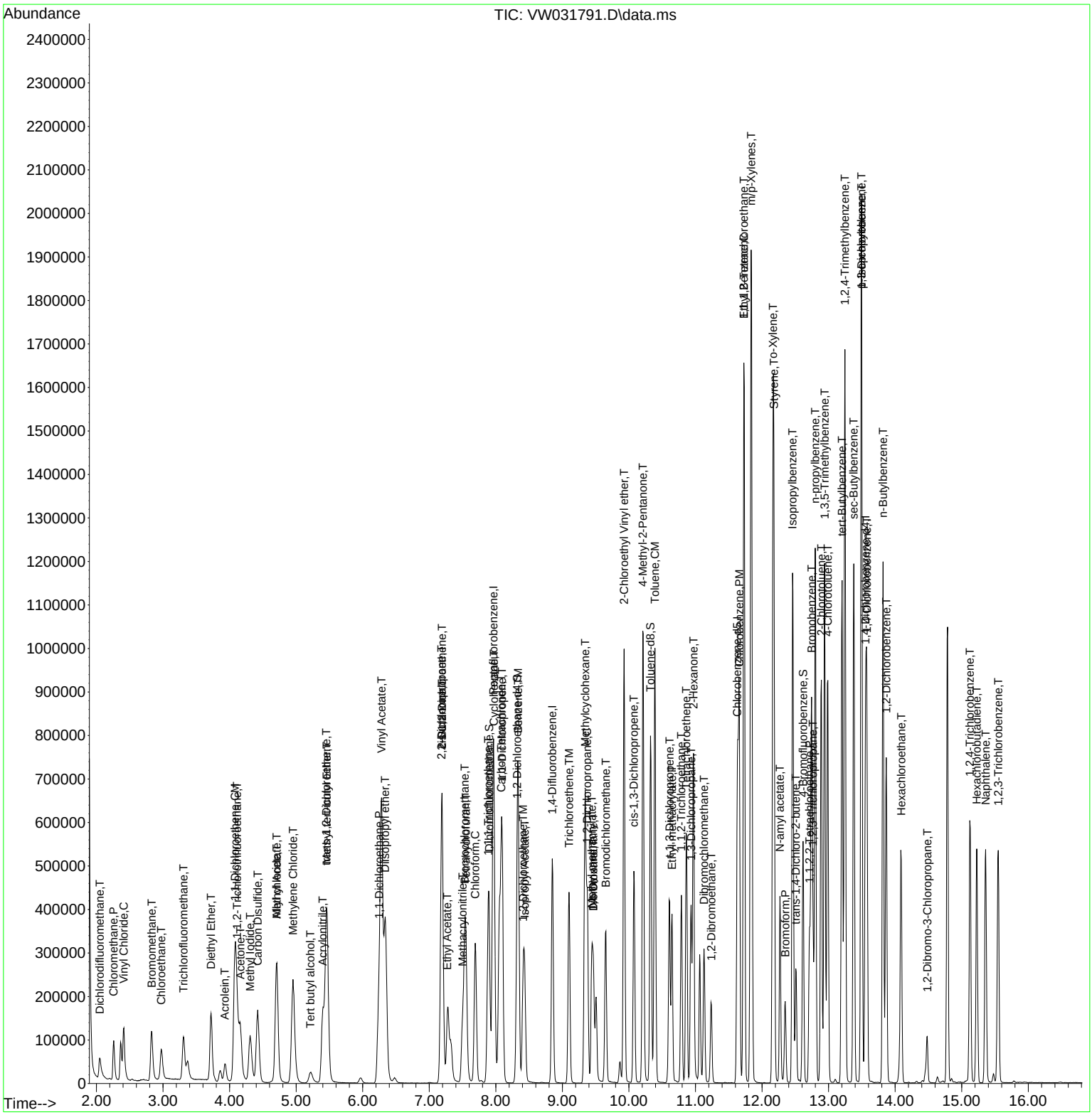
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

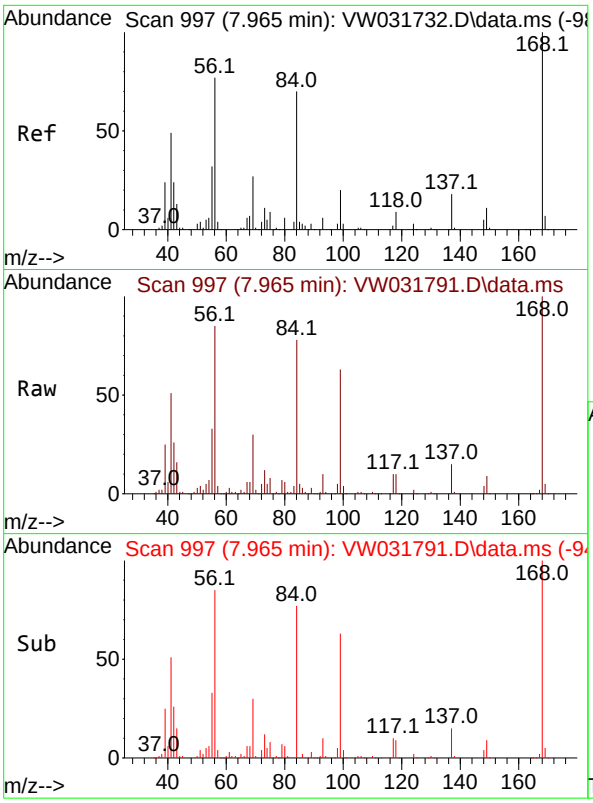
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031791.D
Acq On : 10 Jul 2025 08:47
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: Jul 11 02:14:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



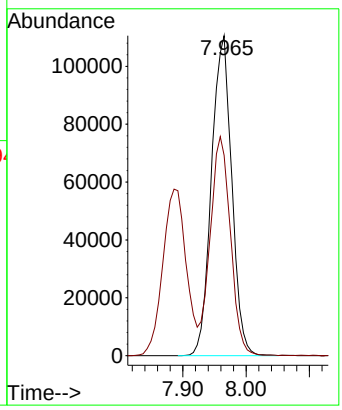


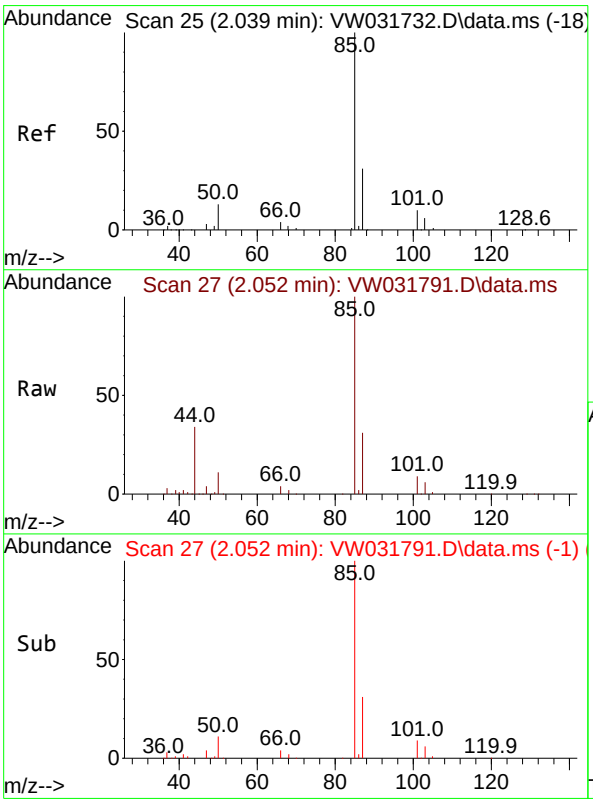
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 245114

Ion	Ratio	Lower	Upper
168	100		
99	62.5	49.4	74.2

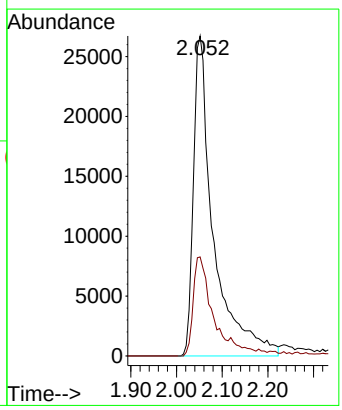


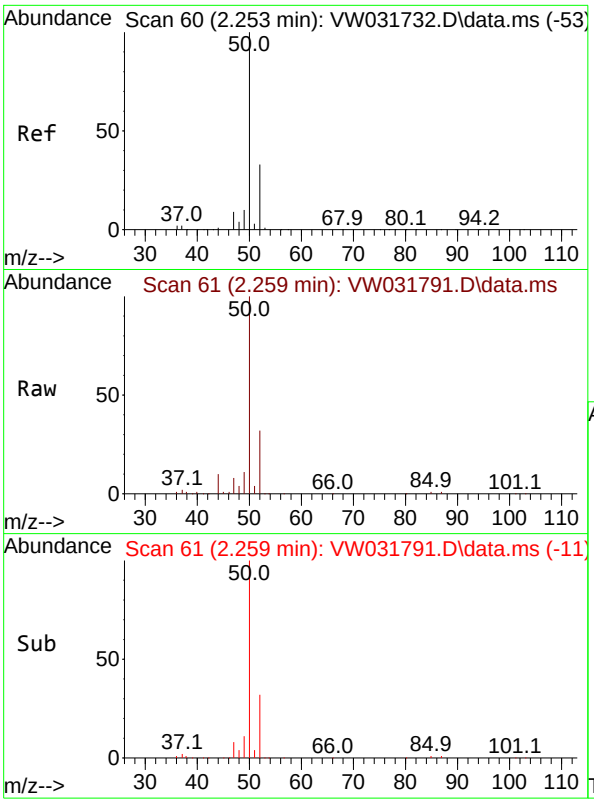


#2
Dichlorodifluoromethane
Concen: 48.724 ug/l
RT: 2.052 min Scan# 27
Delta R.T. 0.012 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 85 Resp: 81335

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.2



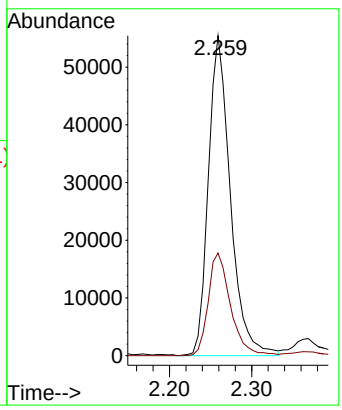


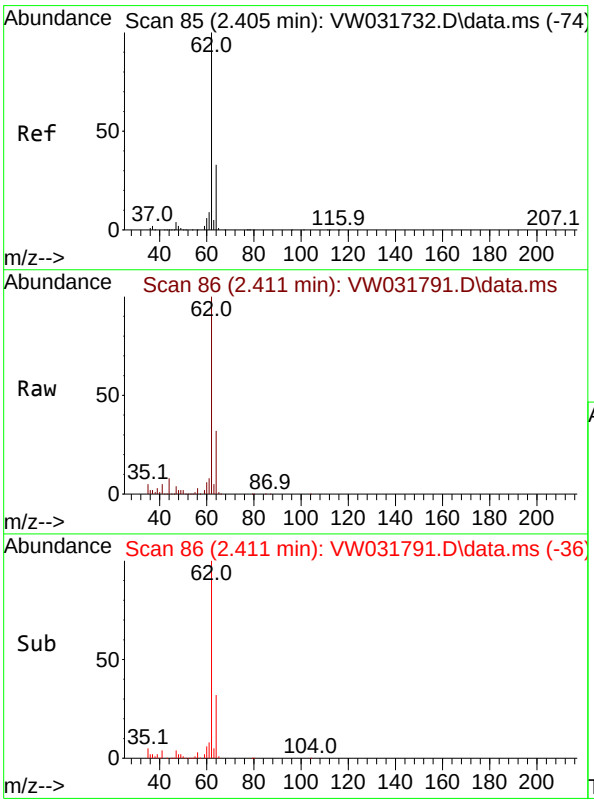
#3
Chloromethane
Concen: 51.214 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 103069

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.2	39.2

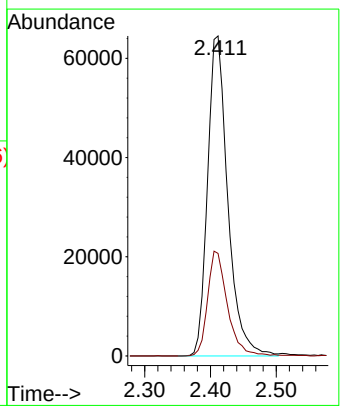


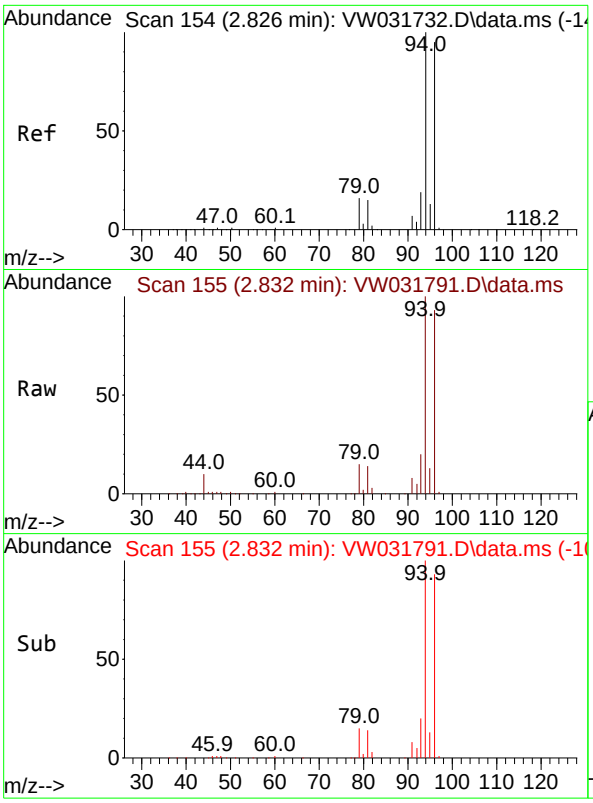


#4
Vinyl Chloride
Concen: 52.307 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 62 Resp: 138364

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.8	40.2



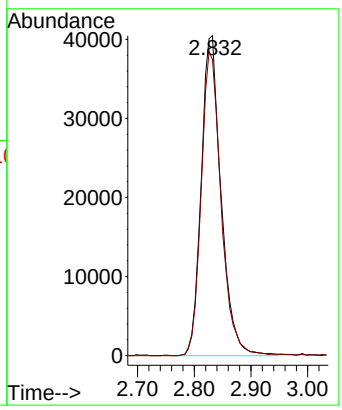


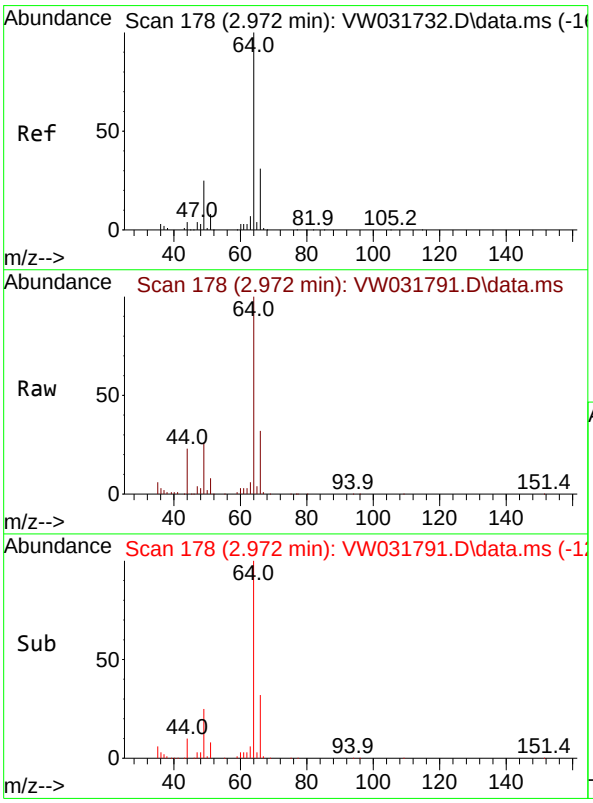
#5
Bromomethane
Concen: 47.643 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 98437

Ion	Ratio	Lower	Upper
94	100		
96	92.6	75.6	113.4

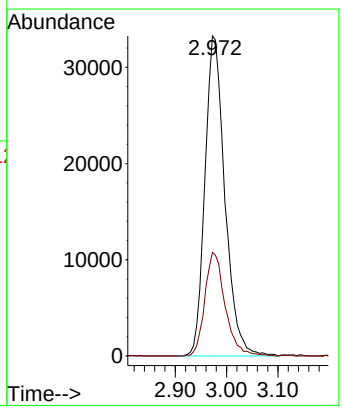


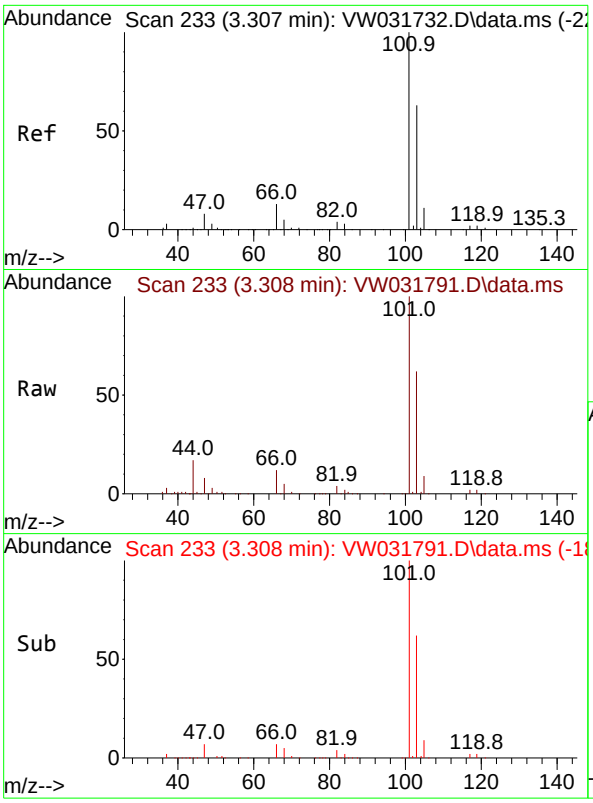


#6
Chloroethane
Concen: 49.977 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 64 Resp: 89799

Ion	Ratio	Lower	Upper
64	100		
66	32.4	24.5	36.7



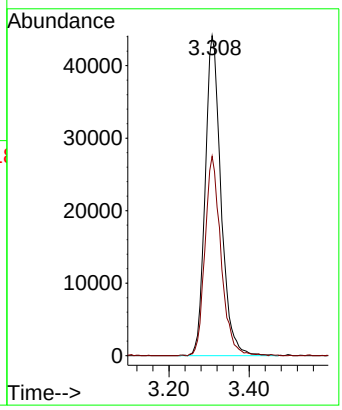


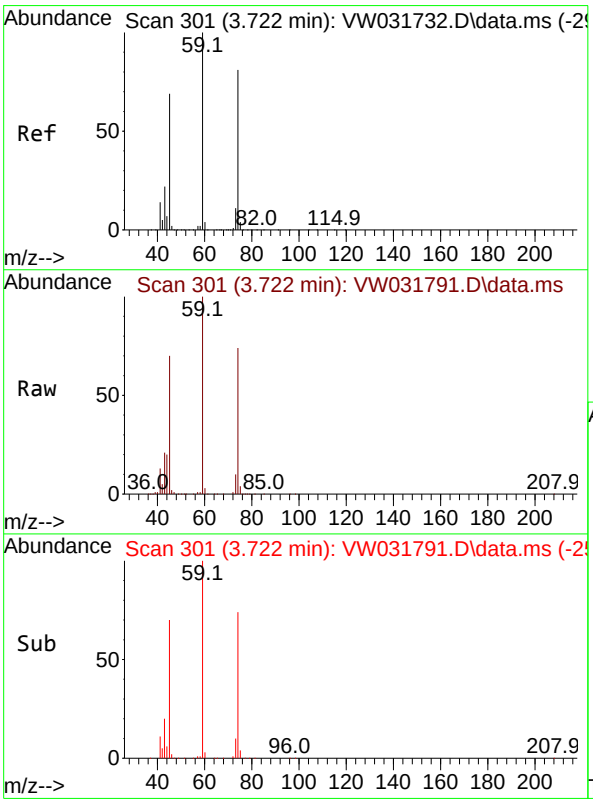
#7
Trichlorofluoromethane
Concen: 50.227 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 120660

Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.2	75.4

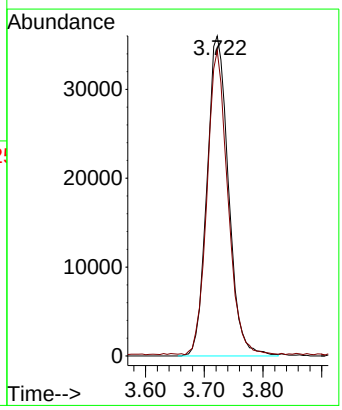


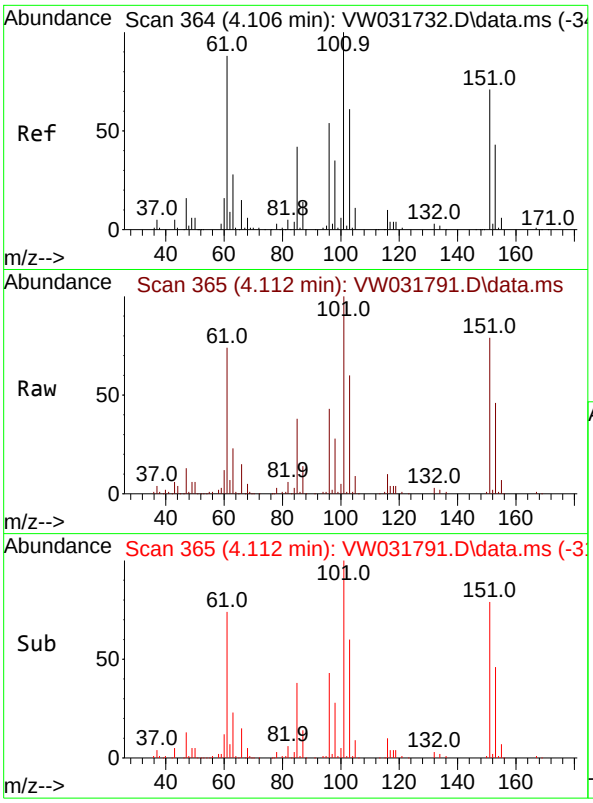


#8
Diethyl Ether
Concen: 50.184 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 74 Resp: 91609

Ion	Ratio	Lower	Upper
74	100		
45	91.2	43.9	131.7



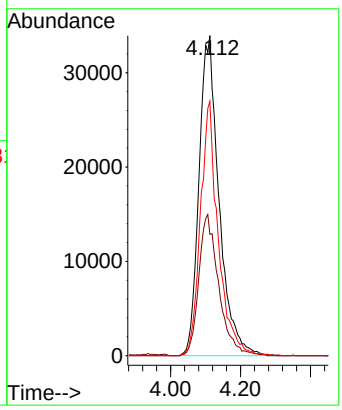


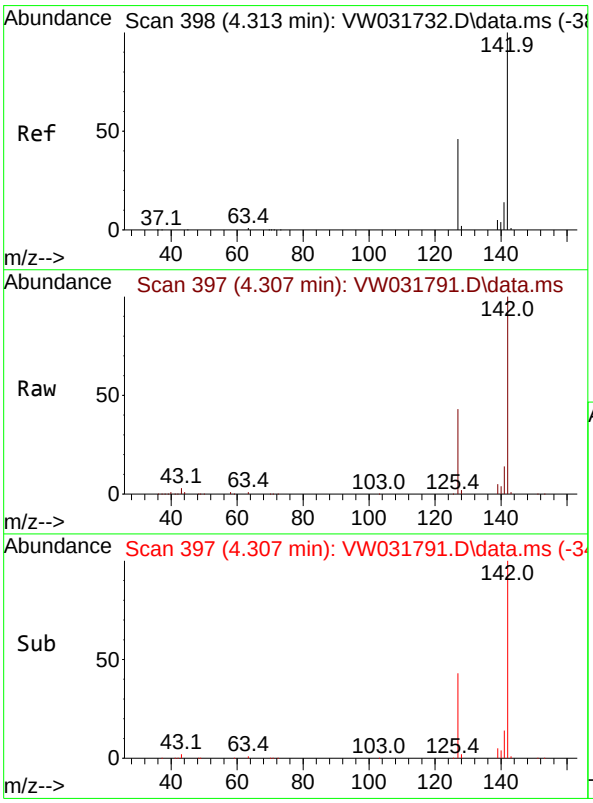
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.636 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 135020

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.6	53.4
151	70.6	56.8	85.2

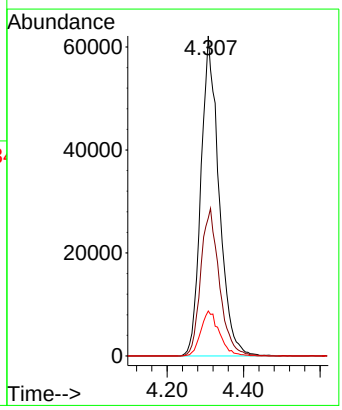


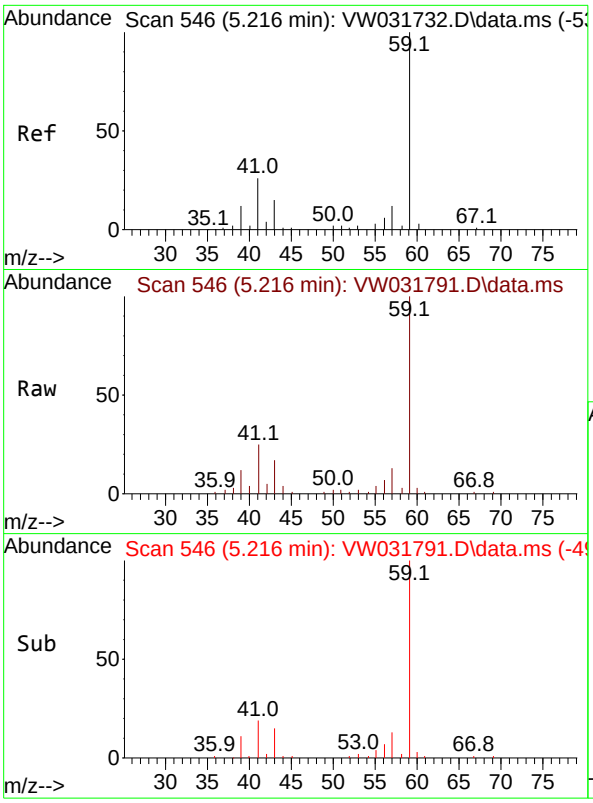


#10
Methyl Iodide
Concen: 49.451 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:142 Resp: 203278

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.9	56.9
141	14.5	11.7	17.5



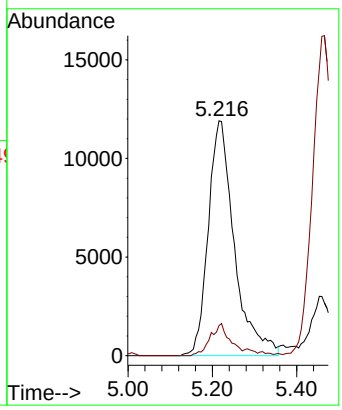


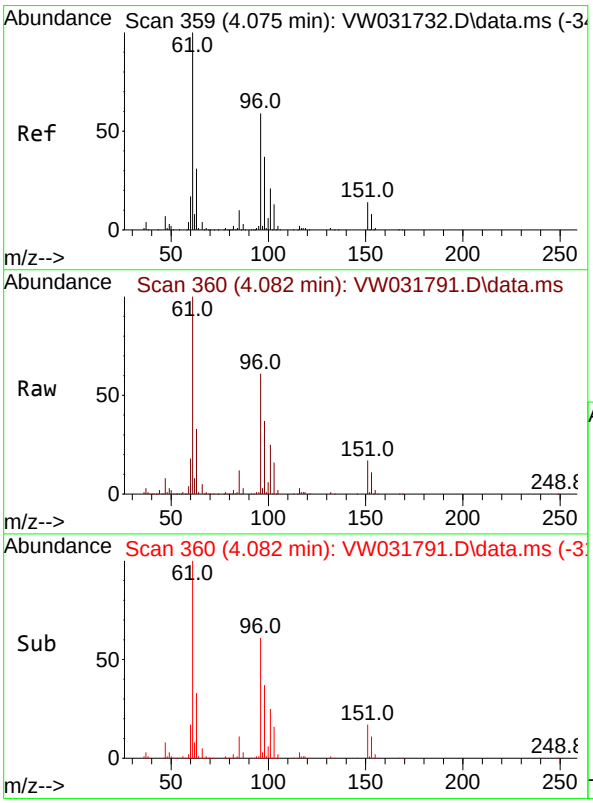
#11
Tert butyl alcohol
Concen: 234.934 ug/l
RT: 5.216 min Scan# 54
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 51199

Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.5	14.3

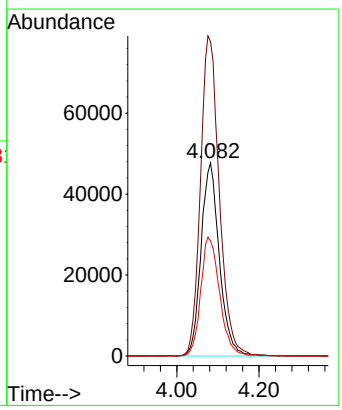


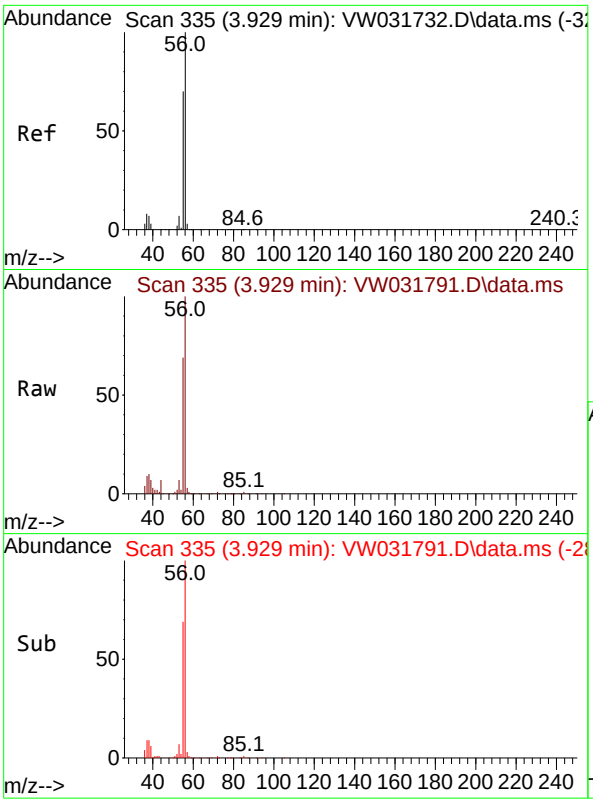


#12
1,1-Dichloroethene
Concen: 50.519 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 96 Resp: 147549

Ion	Ratio	Lower	Upper
96	100		
61	162.9	135.8	203.8
98	59.6	50.4	75.6



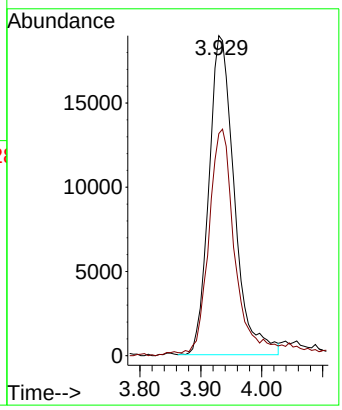


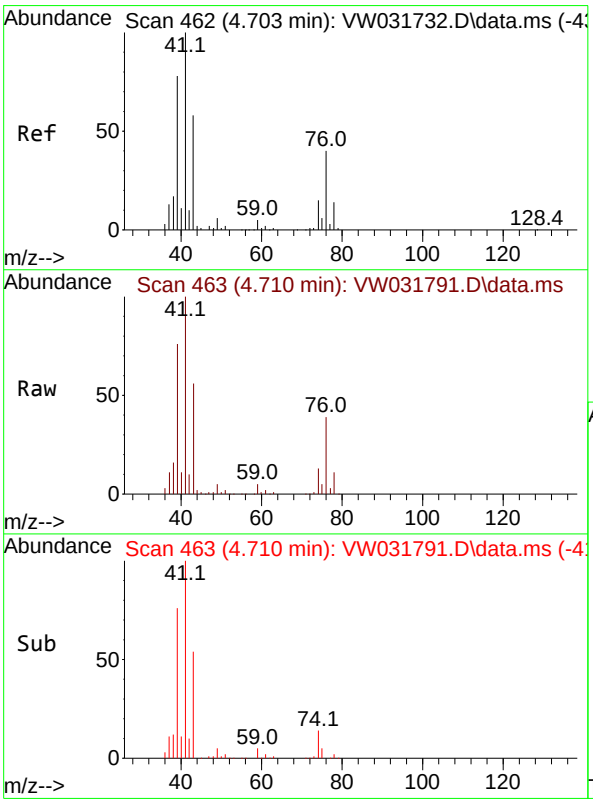
#13
Acrolein
Concen: 140.356 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 54976

Ion	Ratio	Lower	Upper
56	100		
55	69.8	54.0	81.0

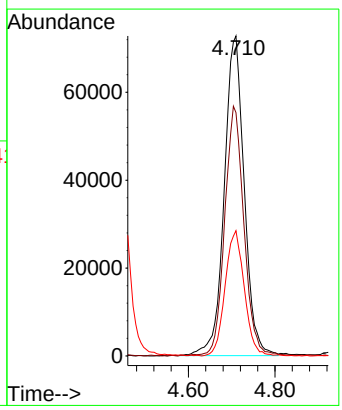


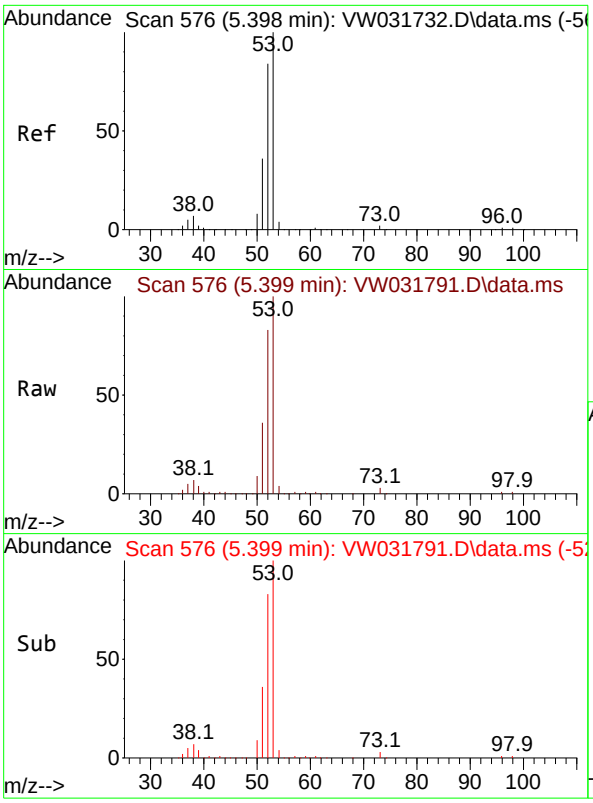


#14
Allyl chloride
Concen: 52.272 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 41 Resp: 234241

Ion	Ratio	Lower	Upper
41	100		
39	74.8	60.7	91.1
76	37.7	30.3	45.5



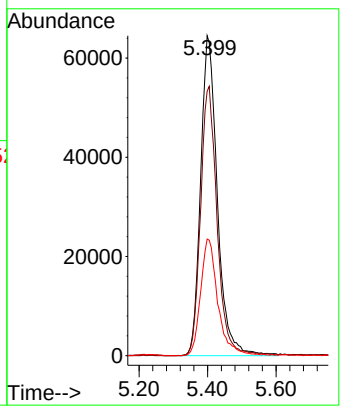


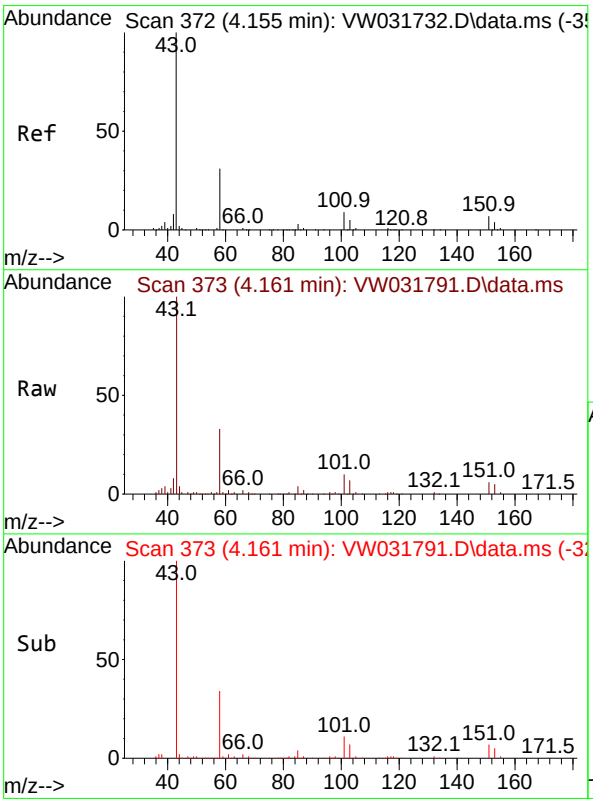
#15
Acrylonitrile
Concen: 244.849 ug/l
RT: 5.399 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 219796

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.5	29.9	44.9

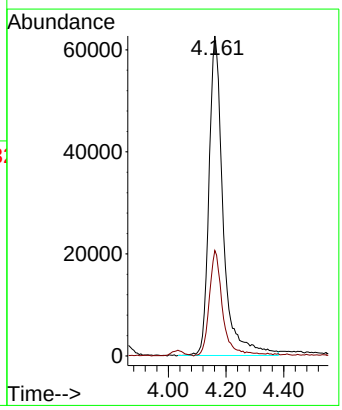


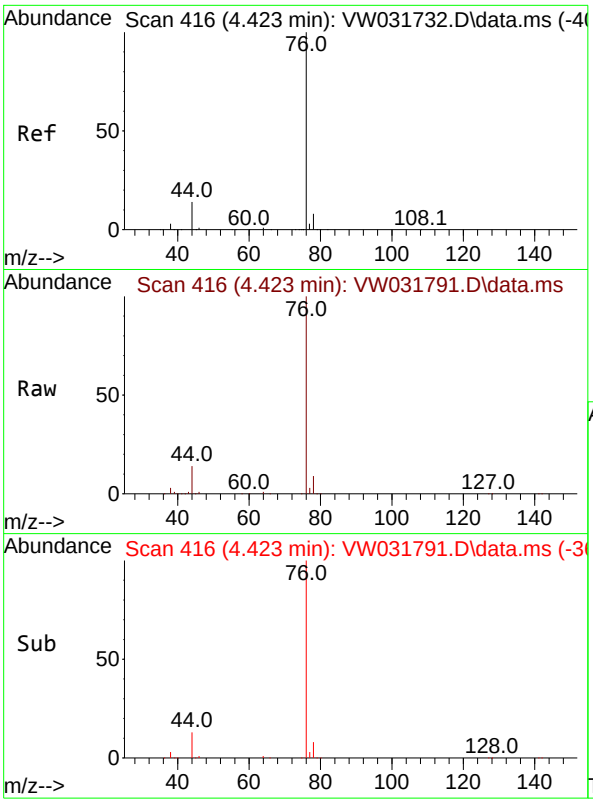


#16
Acetone
Concen: 245.359 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 213330

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.8	37.2



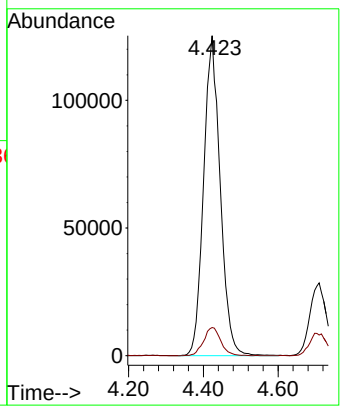


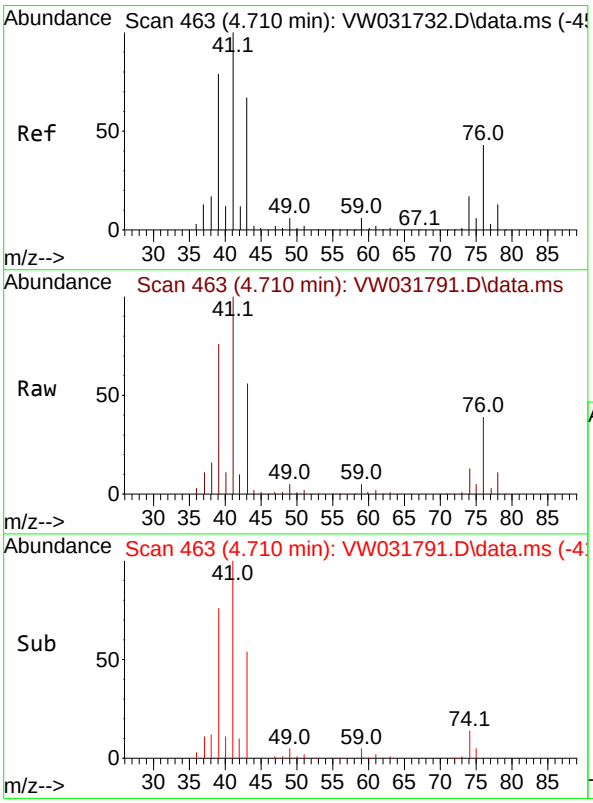
#17
Carbon Disulfide
Concen: 49.307 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 385360

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	10.0

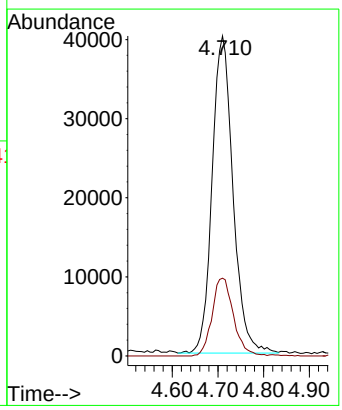


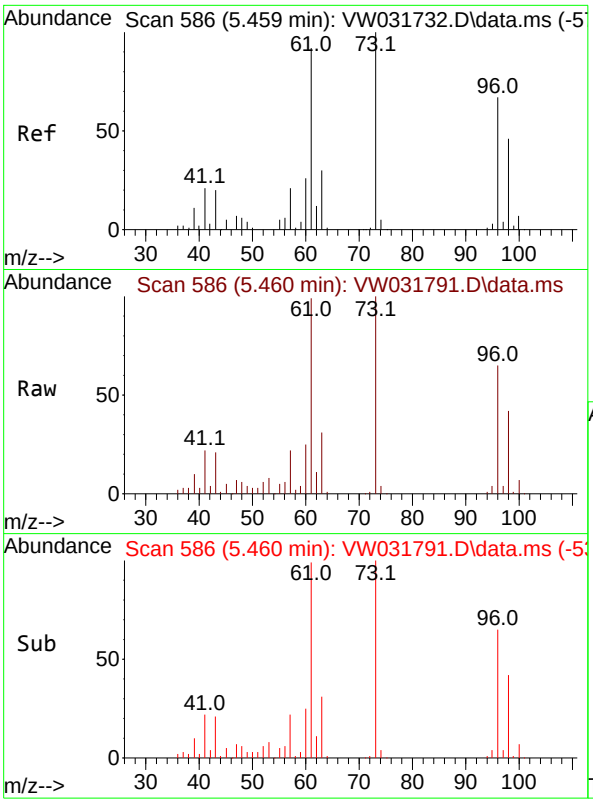


#18
Methyl Acetate
Concen: 51.186 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 127191

Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.6	30.8



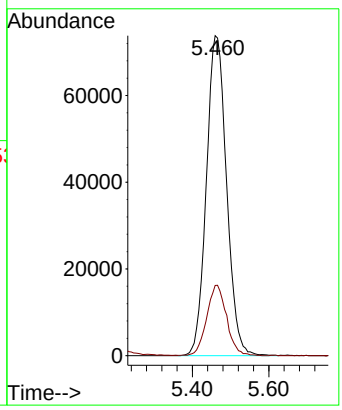


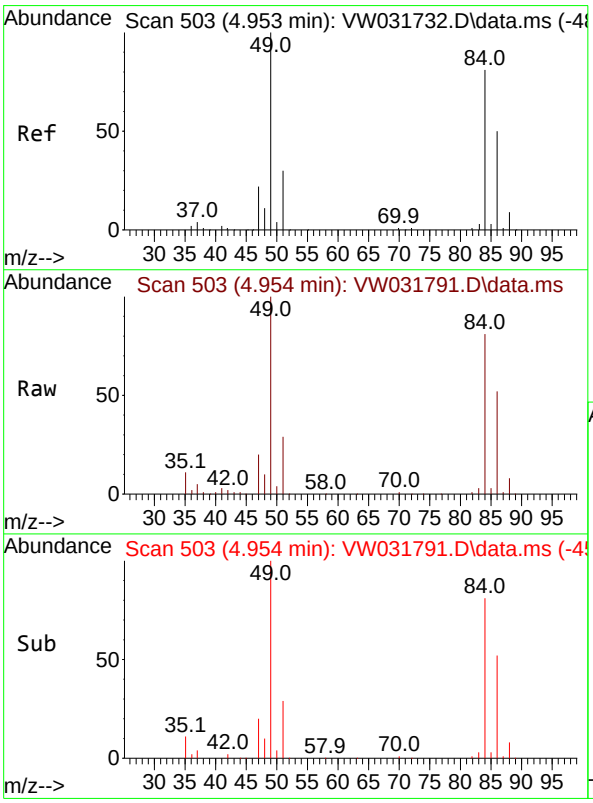
#19
Methyl tert-butyl Ether
Concen: 54.609 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 270710

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8

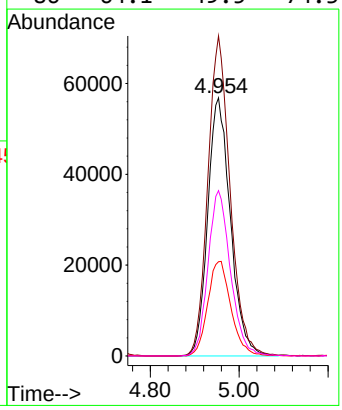


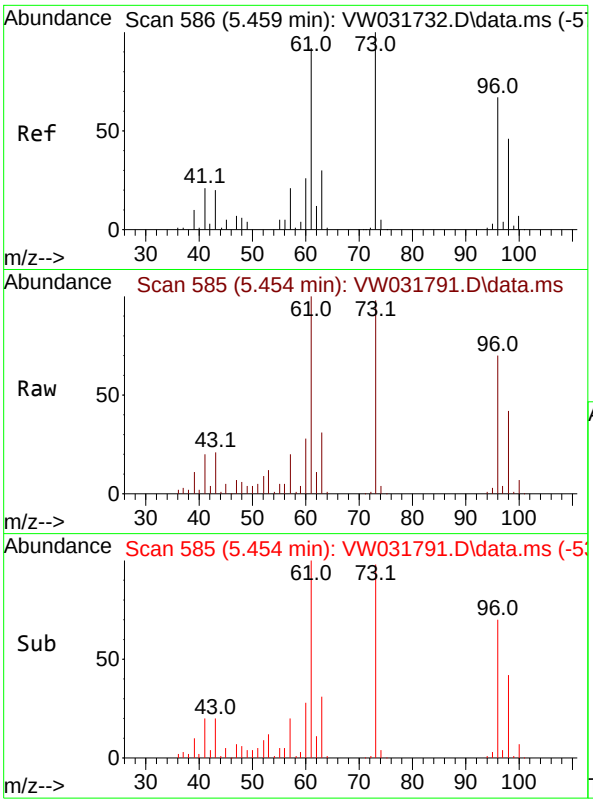


#20
Methylene Chloride
Concen: 59.333 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 84 Resp: 201763

Ion	Ratio	Lower	Upper
84	100		
49	124.0	98.2	147.4
51	36.5	29.8	44.8
86	64.1	49.5	74.3



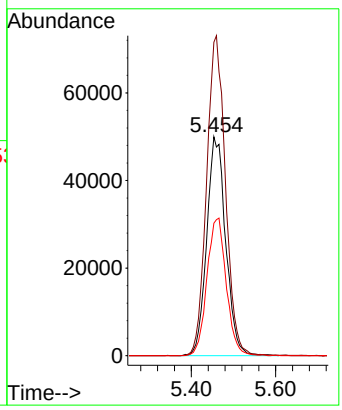


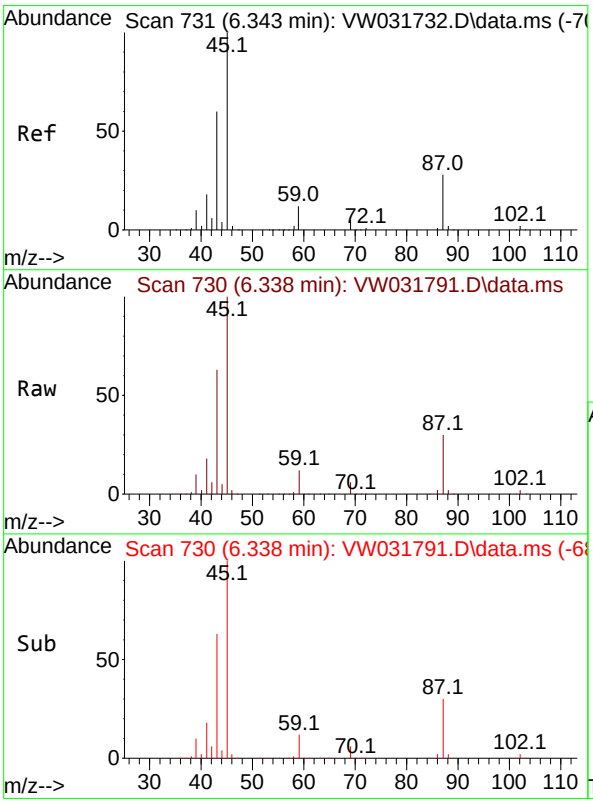
#21
trans-1,2-Dichloroethene
Concen: 50.510 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 156753

Ion	Ratio	Lower	Upper
96	100		
61	143.3	109.8	164.6
98	60.6	54.9	82.3

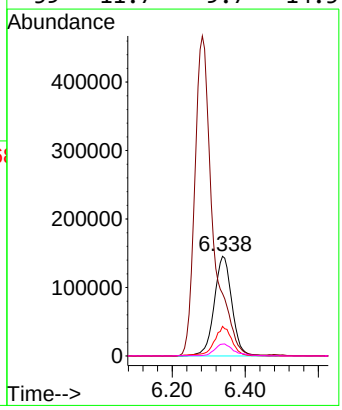


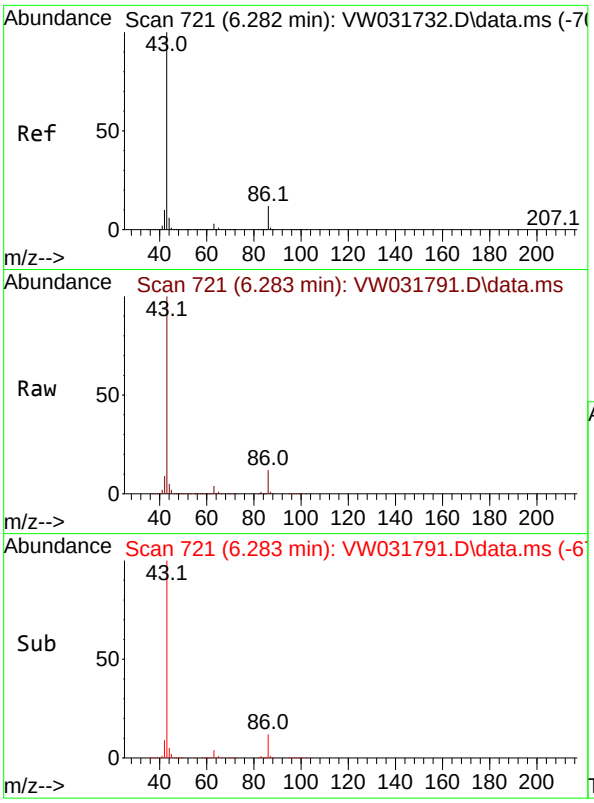


#22
Diisopropyl ether
Concen: 55.824 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 45 Resp: 487890

Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.3	72.5
87	29.6	22.6	34.0
59	11.7	9.7	14.5



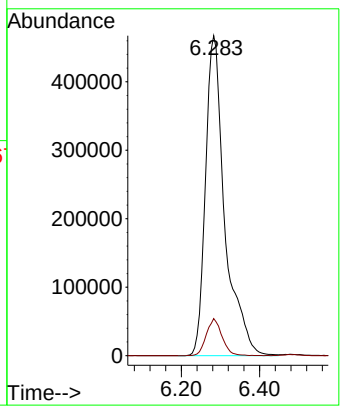


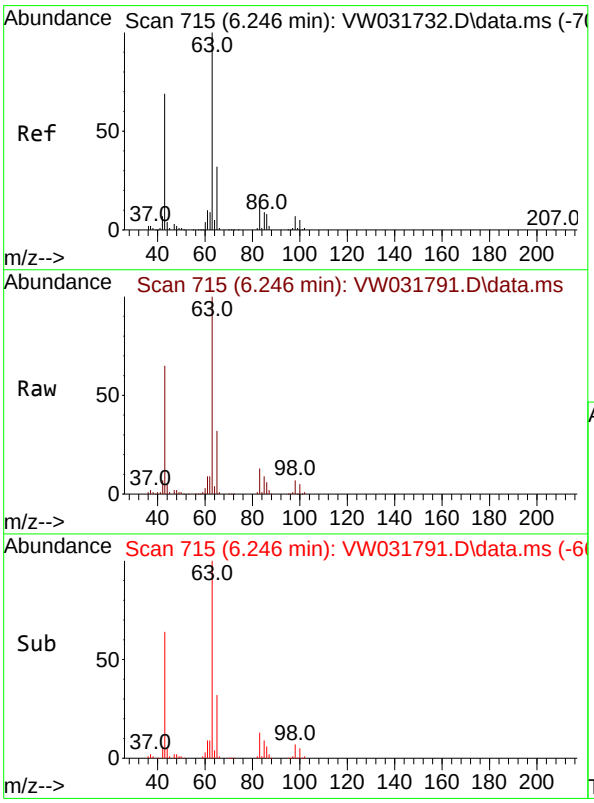
#23
Vinyl Acetate
Concen: 267.247 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1595365

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.2	13.8

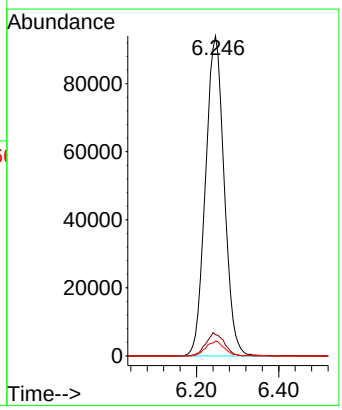


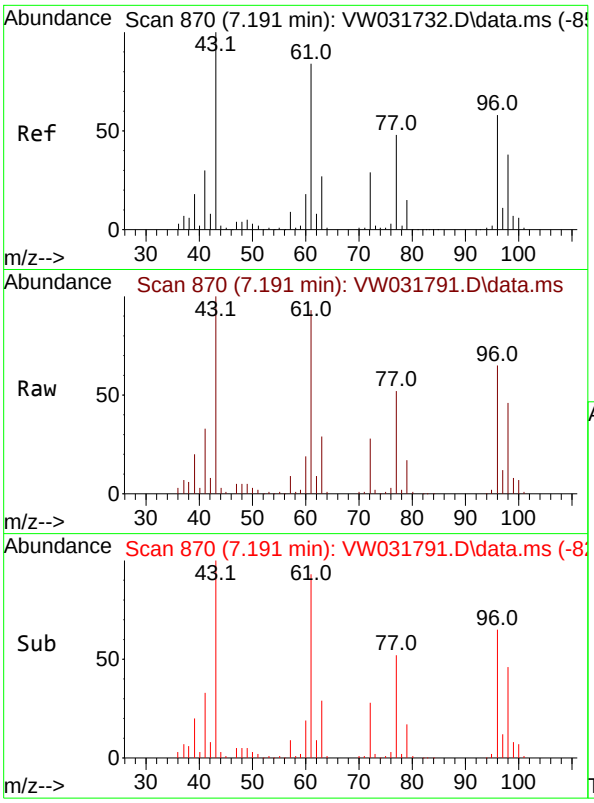


#24
1,1-Dichloroethane
Concen: 52.291 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 63 Resp: 296292

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.6
100	4.6	2.5	7.5



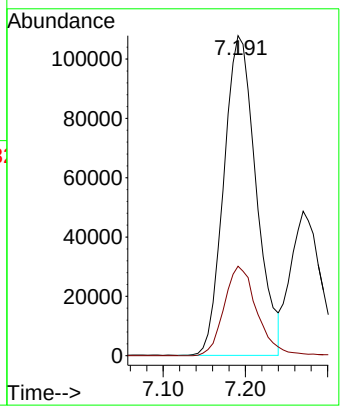


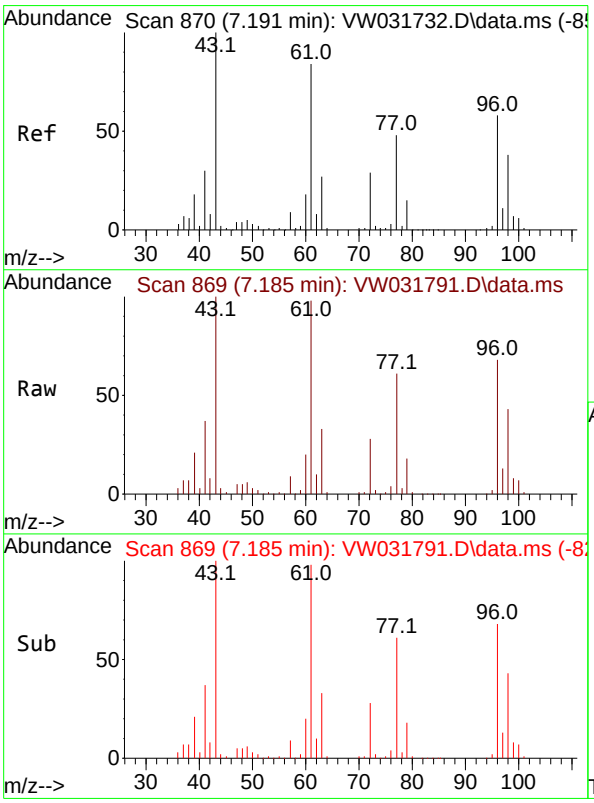
#25
2-Butanone
Concen: 260.886 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 295099

Ion	Ratio	Lower	Upper
43	100		
72	28.0	23.0	34.6

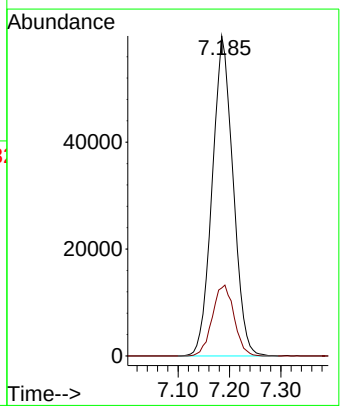


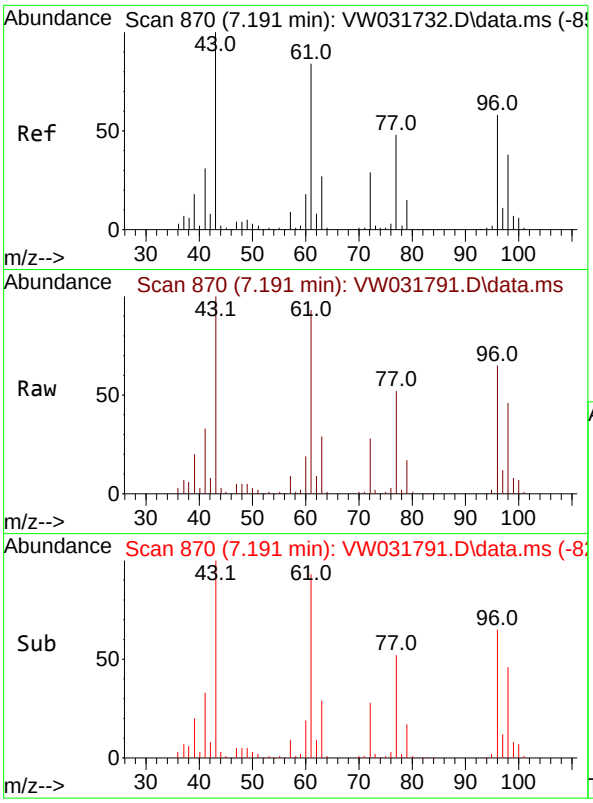


#26
2,2-Dichloropropane
Concen: 51.113 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 77 Resp: 168976

Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.6	34.7



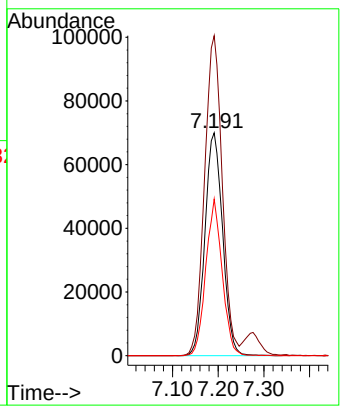


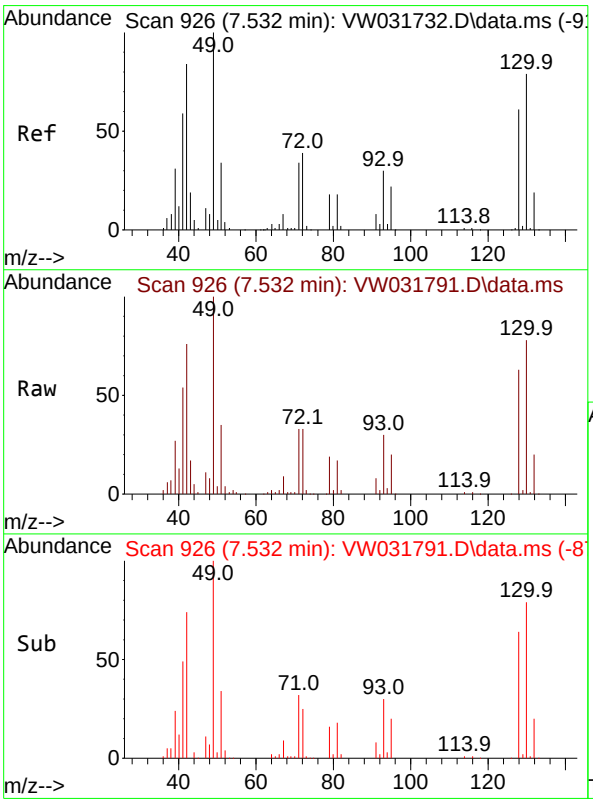
#27
cis-1,2-Dichloroethene
Concen: 52.636 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 187769

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	286.8
98	65.2	0.0	130.4

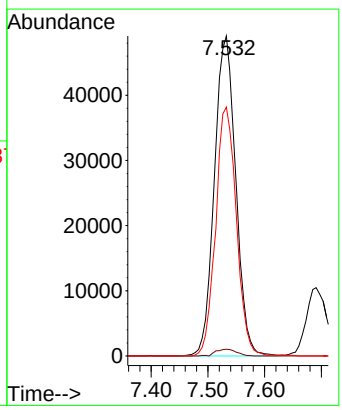


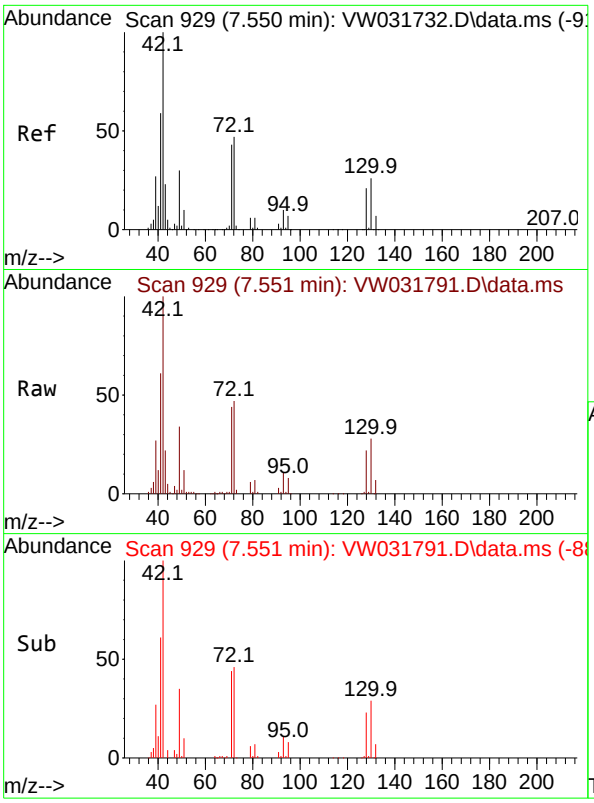


#28
Bromochloromethane
Concen: 51.462 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 49 Resp: 128678

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.4
130	75.3	61.3	91.9



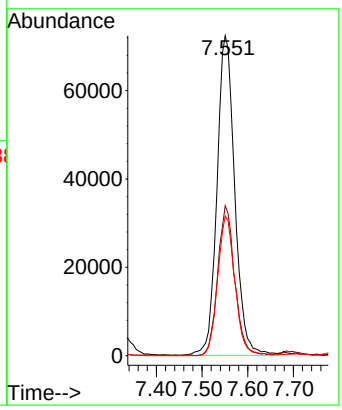


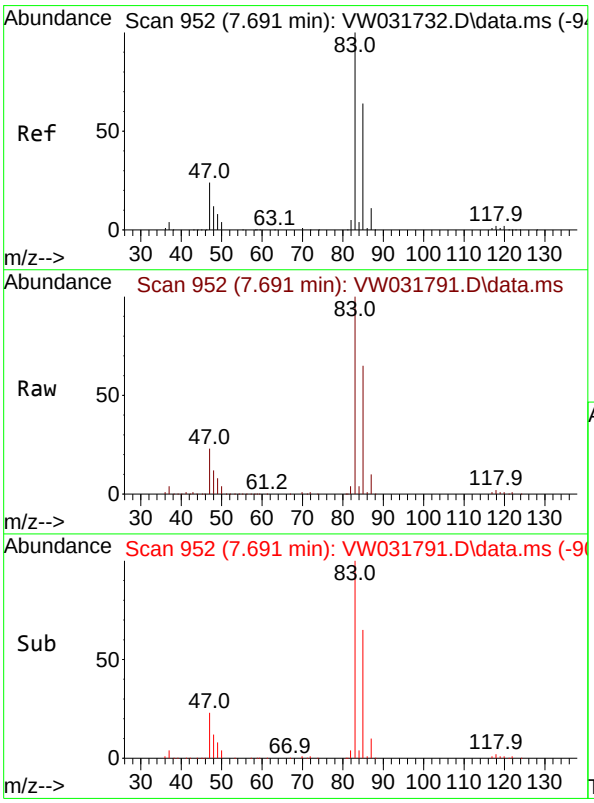
#29
Tetrahydrofuran
Concen: 252.916 ug/l
RT: 7.551 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 195918

Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.8	55.2
71	42.4	34.6	52.0

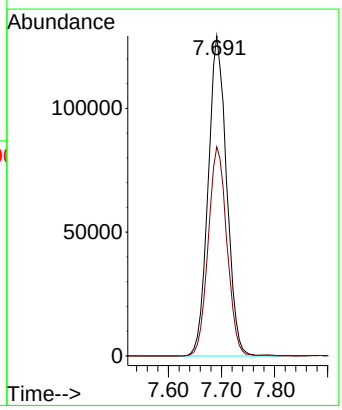


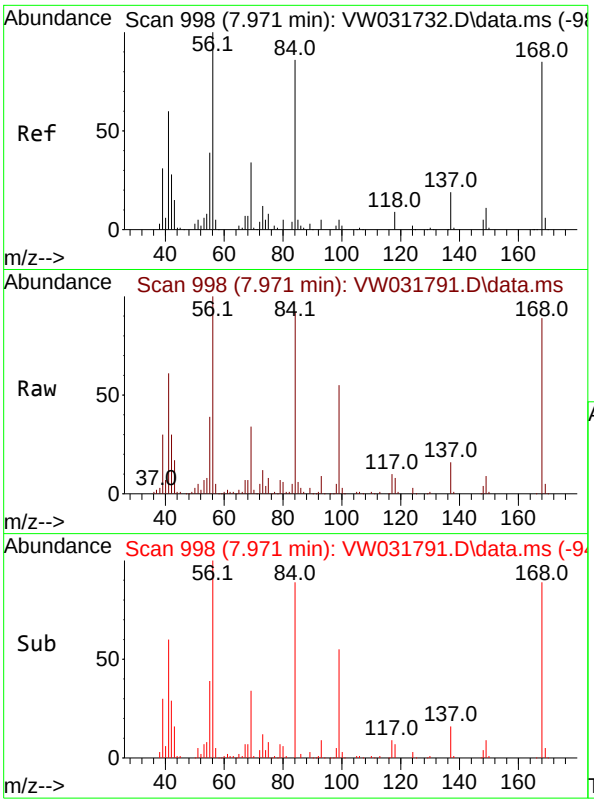


#30
Chloroform
Concen: 51.845 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 83 Resp: 312149

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0



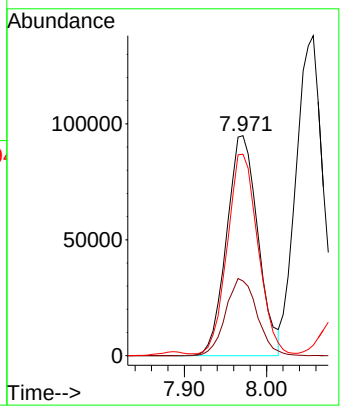


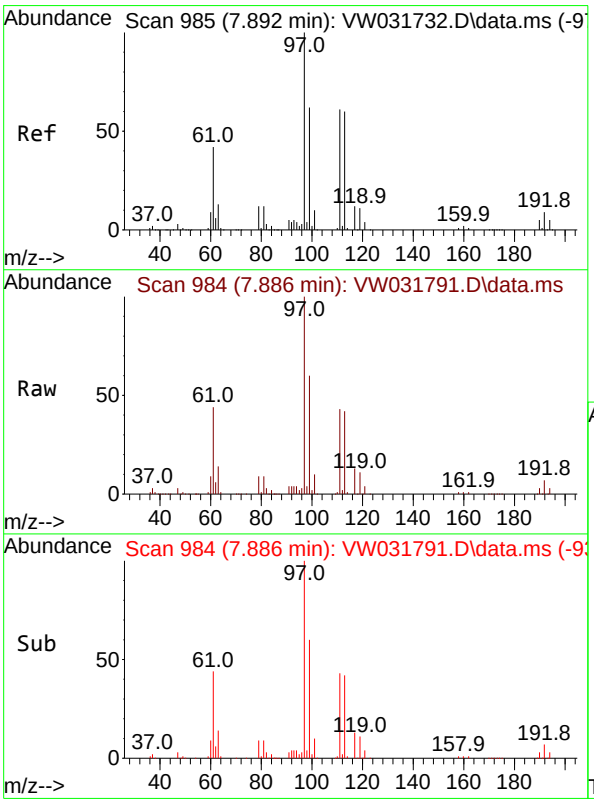
#31
Cyclohexane
Concen: 50.354 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 252208

Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	89.9	68.5	102.7

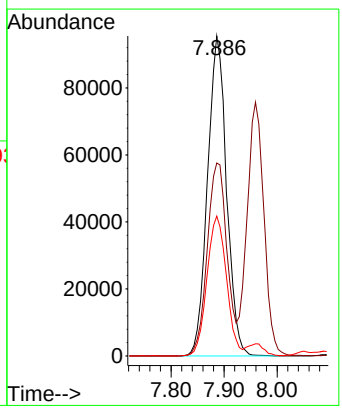


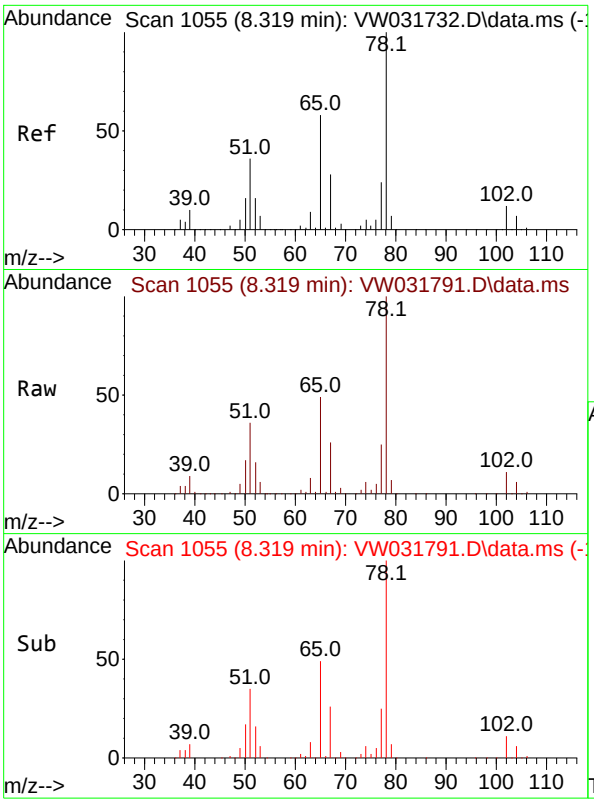


#32
1,1,1-Trichloroethane
Concen: 51.366 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 97 Resp: 238332

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.6
61	44.9	36.0	54.0



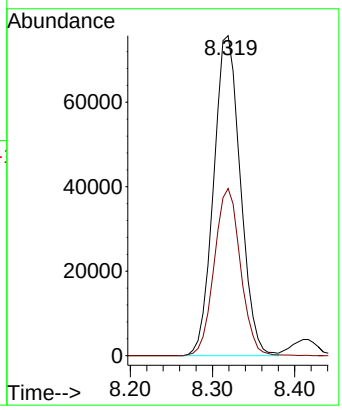


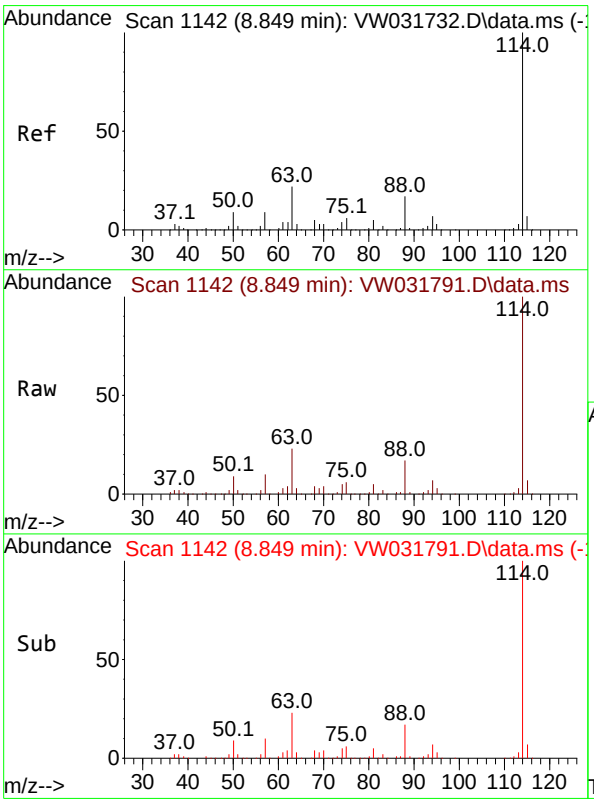
#33
1,2-Dichloroethane-d4
Concen: 48.778 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 171584

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.4

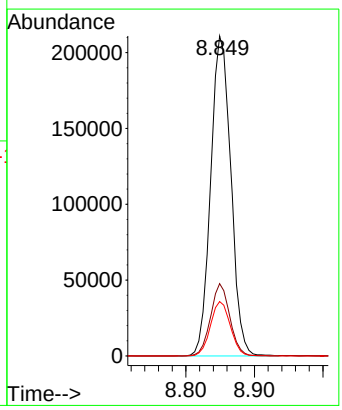


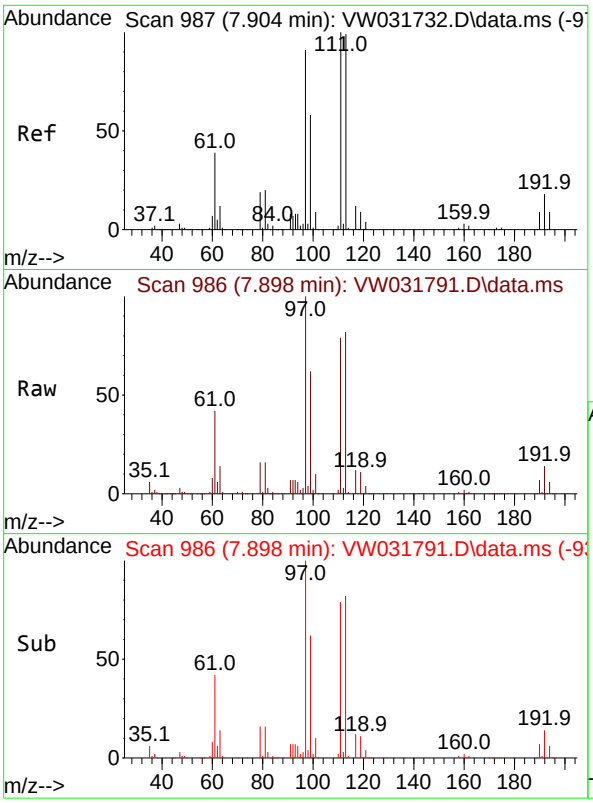


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:114 Resp: 431816

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.6
88	17.0	0.0	34.2



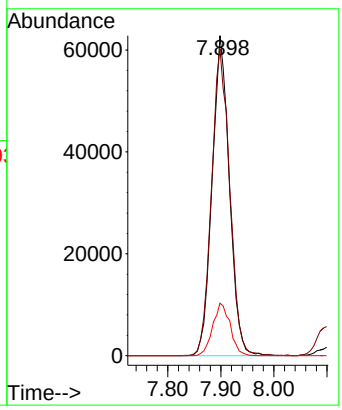


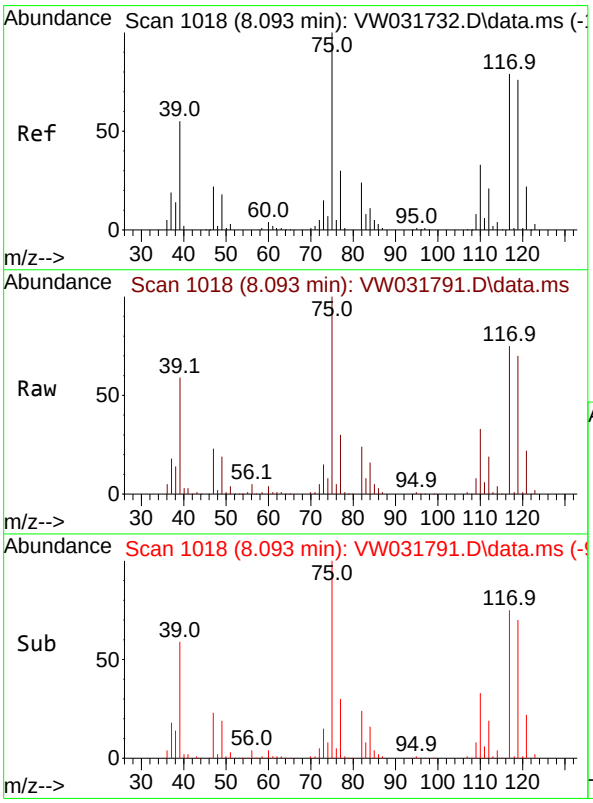
#35
Dibromofluoromethane
Concen: 50.475 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 142229

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.1	123.1
192	16.6	13.8	20.6

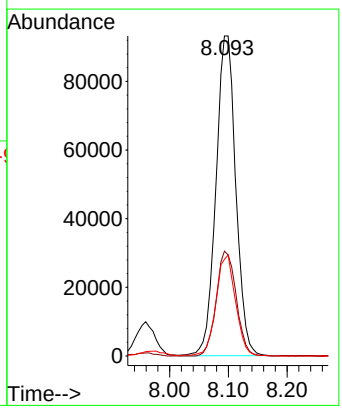


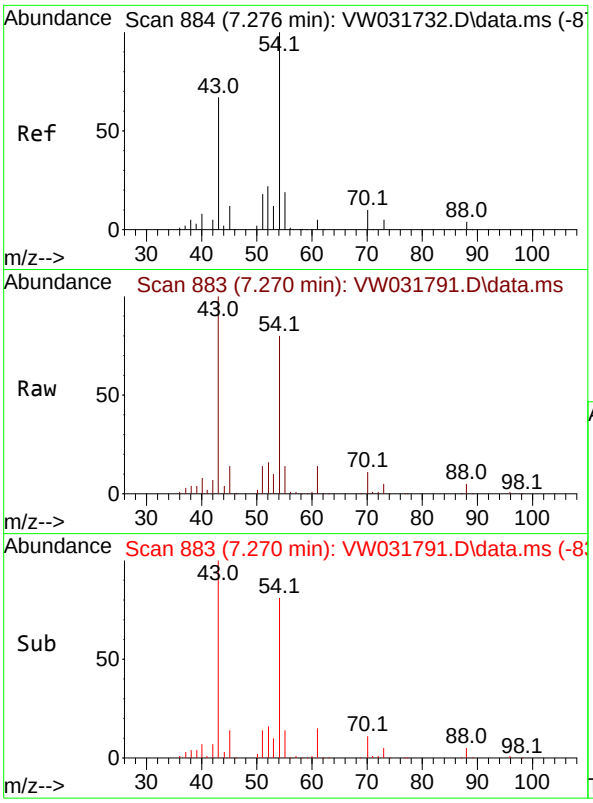


#36
1,1-Dichloropropene
Concen: 53.667 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 218825

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.8	50.4
77	31.1	25.0	37.6



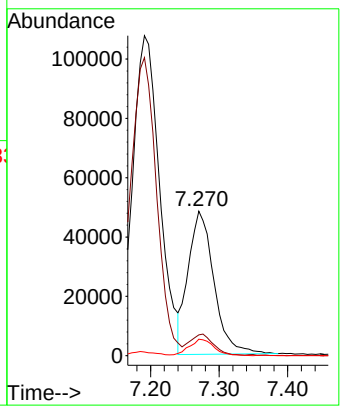


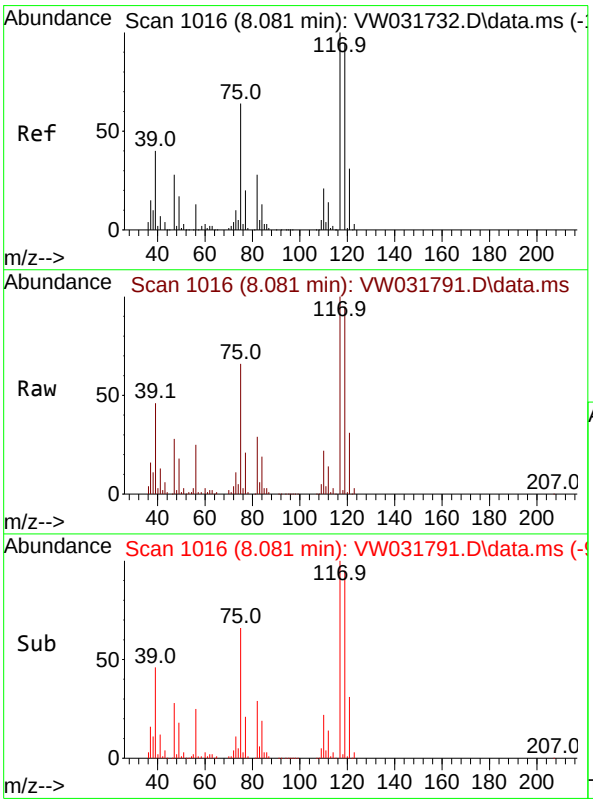
#37
Ethyl Acetate
Concen: 49.147 ug/l
RT: 7.270 min Scan# 8
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 126413

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	11.1	9.2	13.8

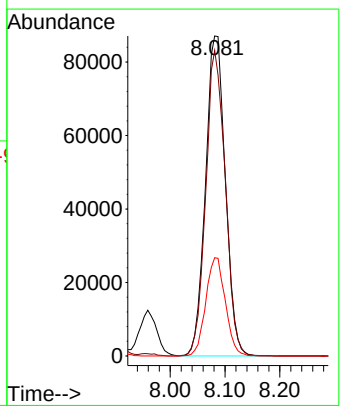


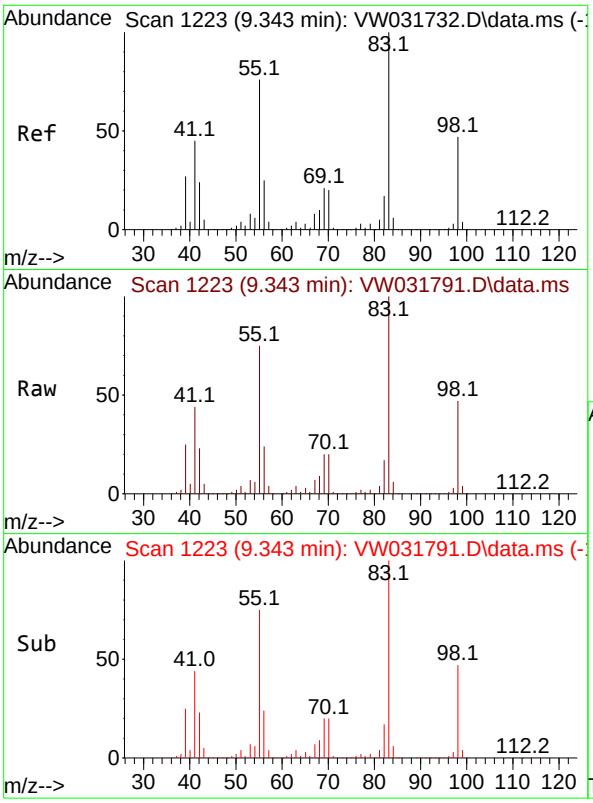


#38
Carbon Tetrachloride
Concen: 52.716 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:117 Resp: 219039

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.6
121	30.7	24.6	37.0



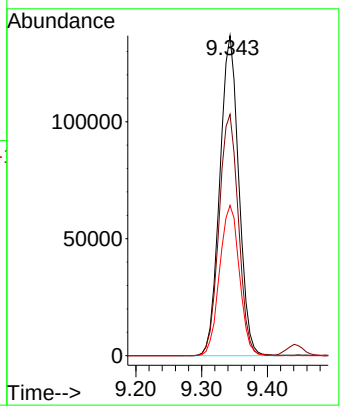


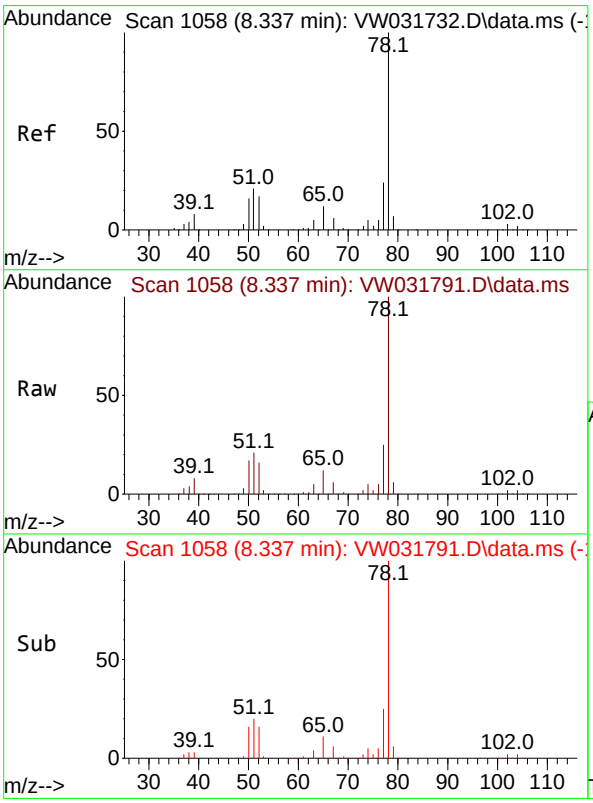
#39
Methylcyclohexane
Concen: 54.187 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 274893

Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.0	91.4
98	47.0	37.9	56.9

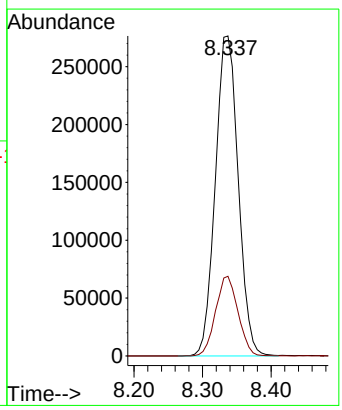


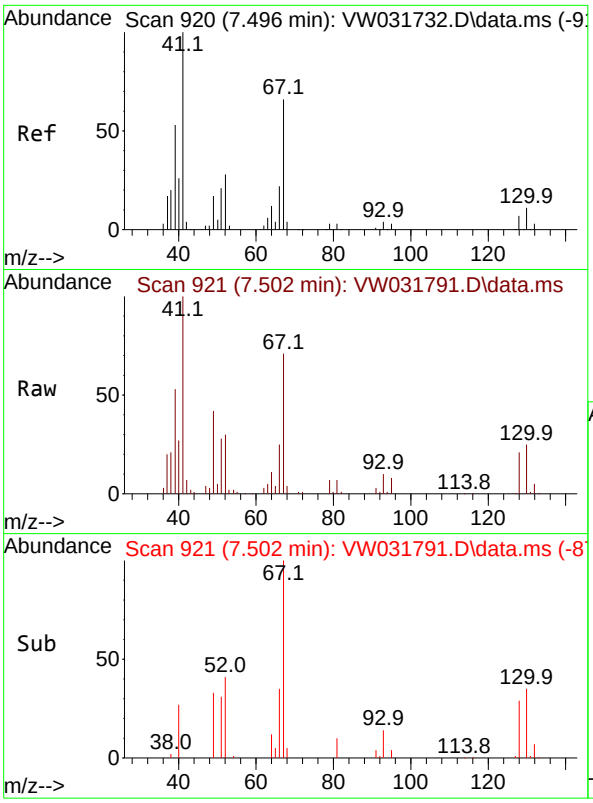


#40
Benzene
Concen: 53.067 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 78 Resp: 640183

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8



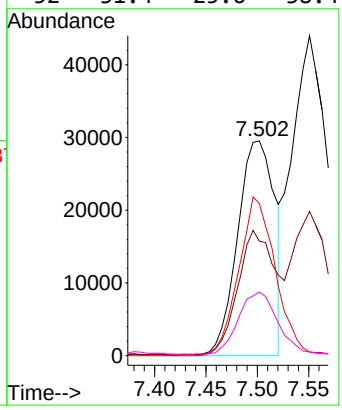


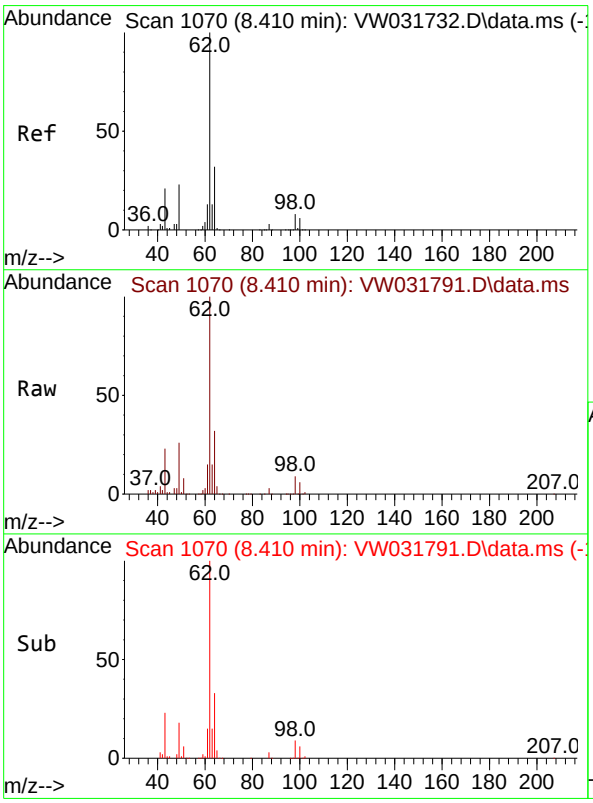
#41
Methacrylonitrile
Concen: 53.907 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 74278

Ion	Ratio	Lower	Upper
41	100		
39	60.1	43.2	64.8
67	73.7	58.1	87.1
52	31.4	25.6	38.4

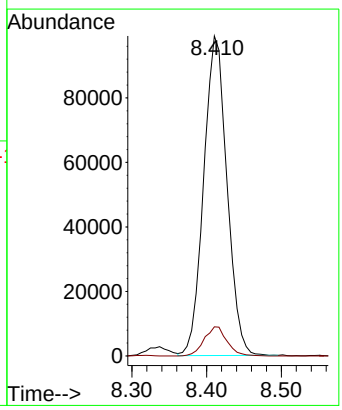


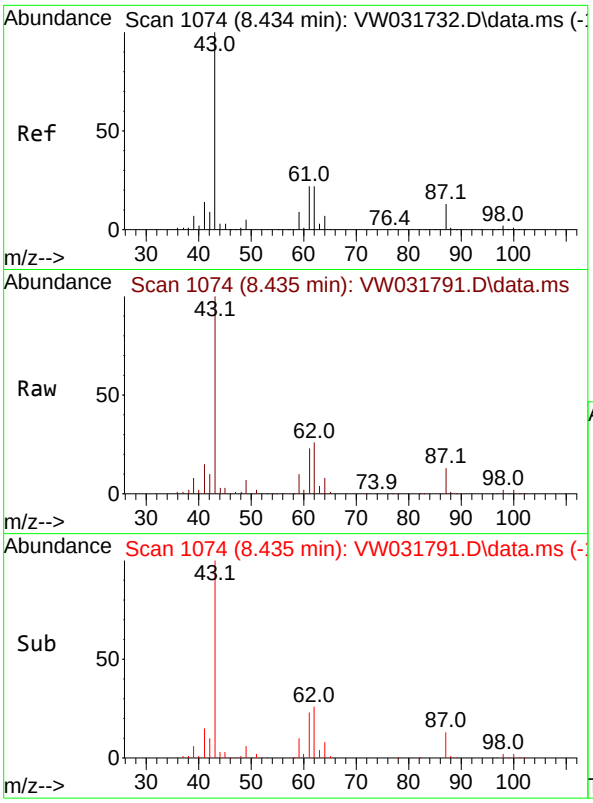


#42
1,2-Dichloroethane
Concen: 52.705 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 62 Resp: 214834

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



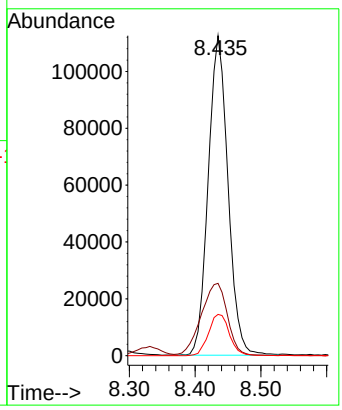


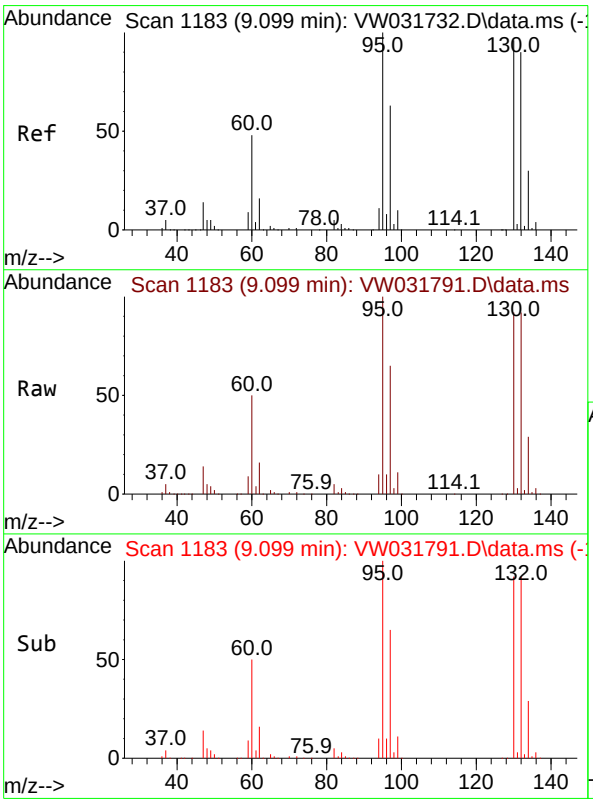
#43
Isopropyl Acetate
Concen: 53.059 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 235257

Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.1	34.7
87	13.7	10.8	16.2

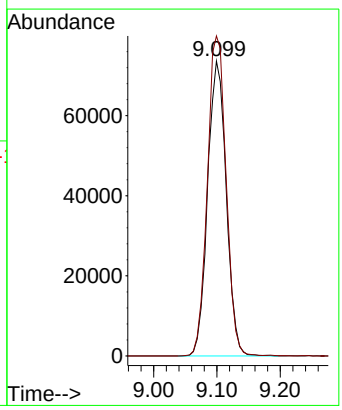


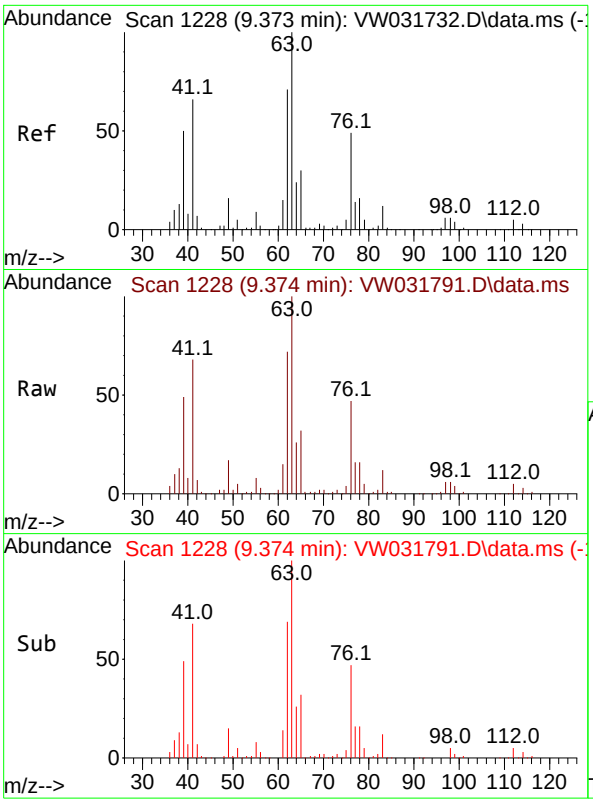


#44
Trichloroethene
Concen: 49.991 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:130 Resp: 150522

Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	208.6



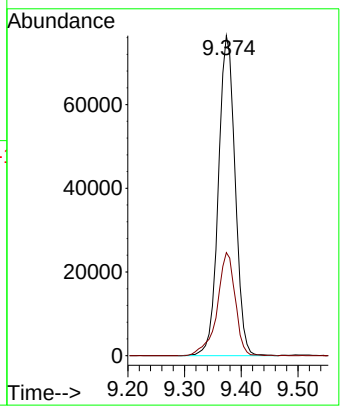


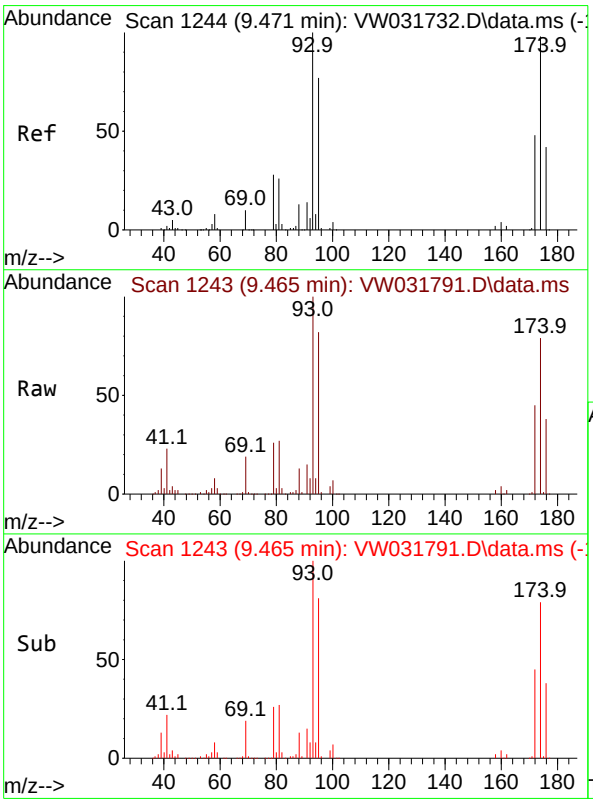
#45
1,2-Dichloropropane
Concen: 53.733 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 156663

Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.2	36.4

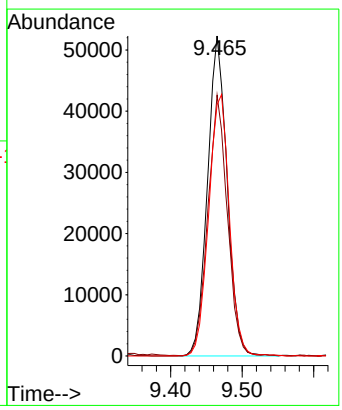


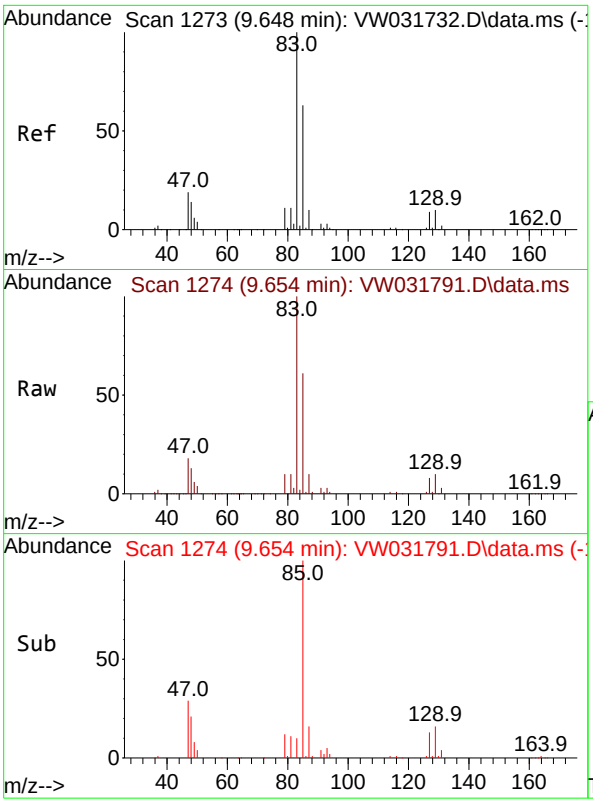


#46
Dibromomethane
Concen: 53.029 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 93 Resp: 99819

Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.0	100.4
174	85.8	71.7	107.5



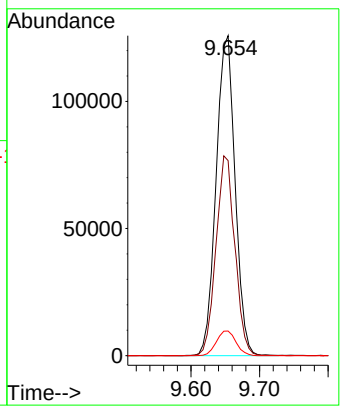


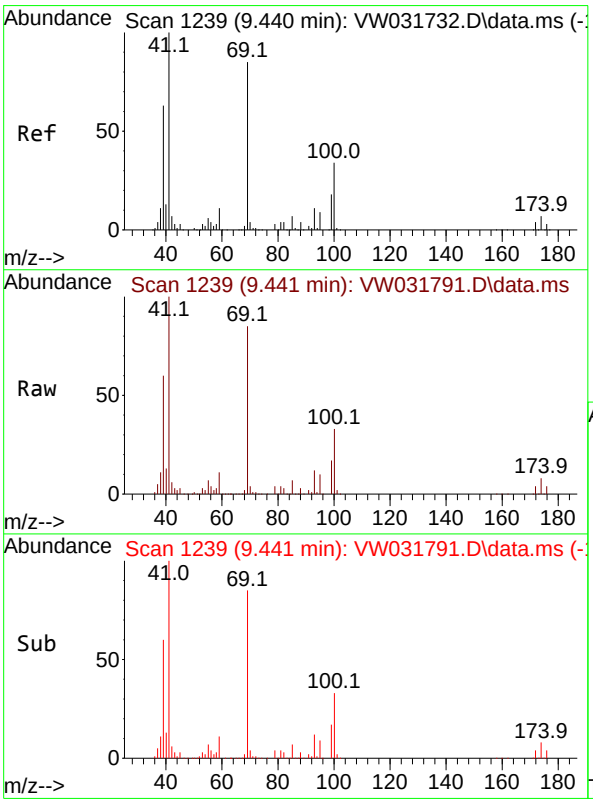
#47
Bromodichloromethane
Concen: 54.724 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 241552

Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.8	76.2
127	7.7	6.8	10.2

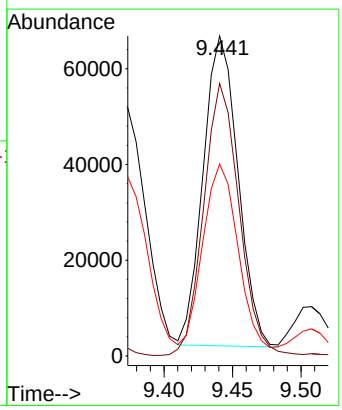


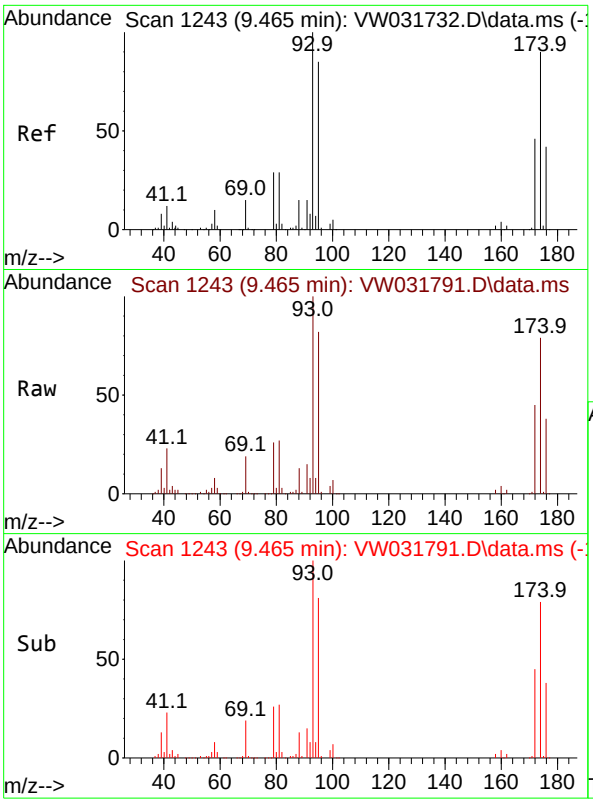


#48
Methyl methacrylate
Concen: 52.401 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 41 Resp: 114242

Ion	Ratio	Lower	Upper
41	100		
69	90.2	71.6	107.4
39	58.9	49.5	74.3



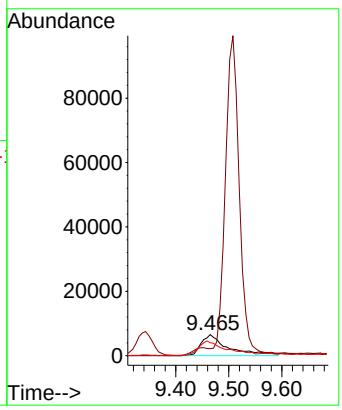


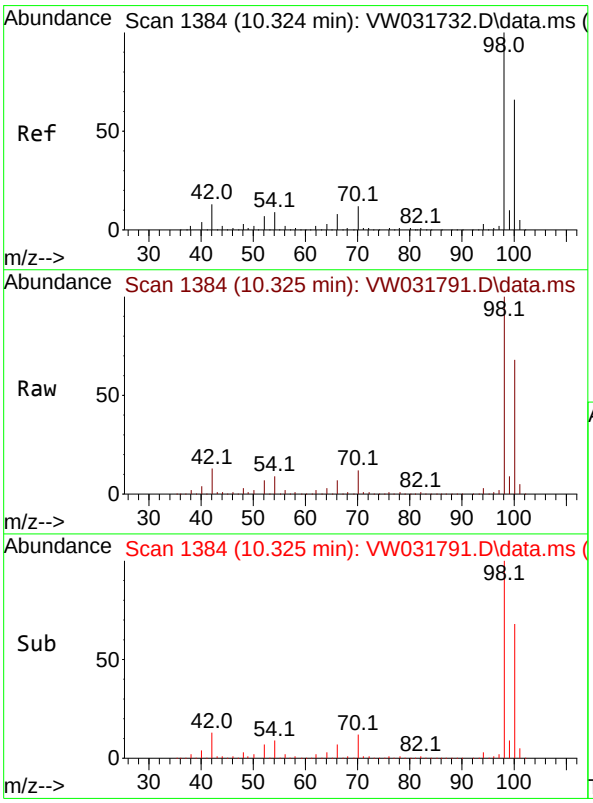
#49
1,4-Dioxane
Concen: 1059.780 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 23364

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.3	58.3	87.5

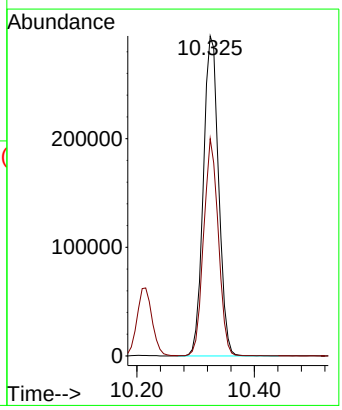


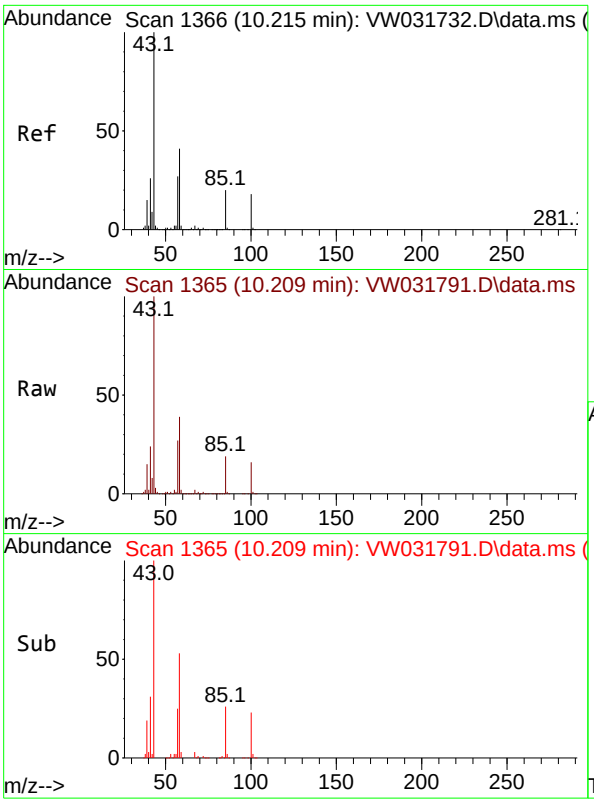


#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 98 Resp: 531723

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.0	79.4



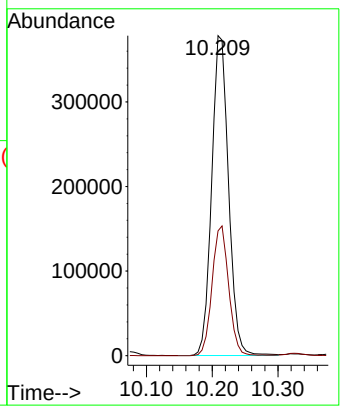


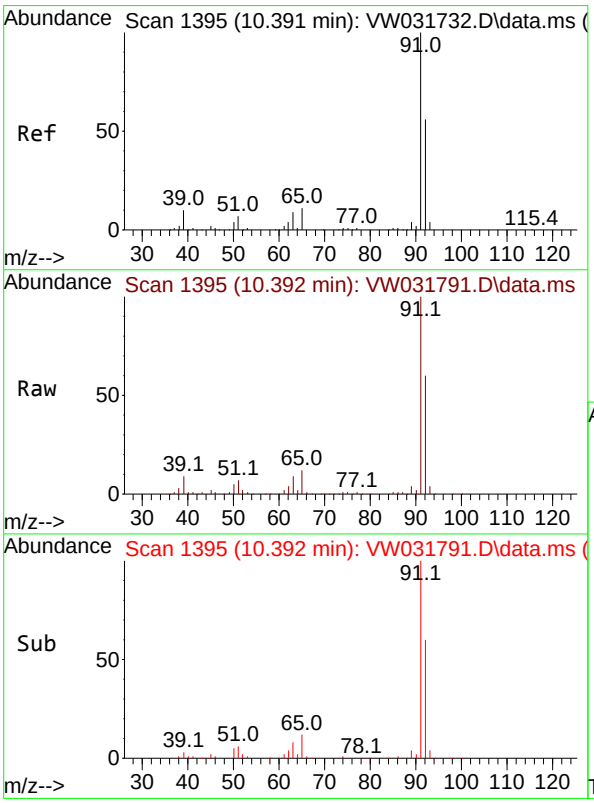
#51
4-Methyl-2-Pentanone
Concen: 264.687 ug/l
RT: 10.209 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 674703

Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.2	48.2

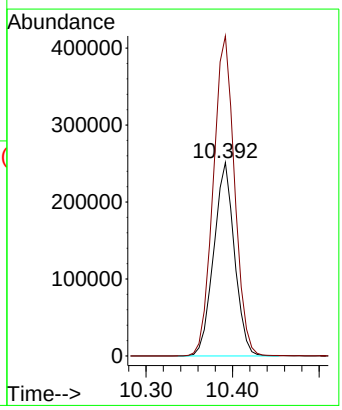


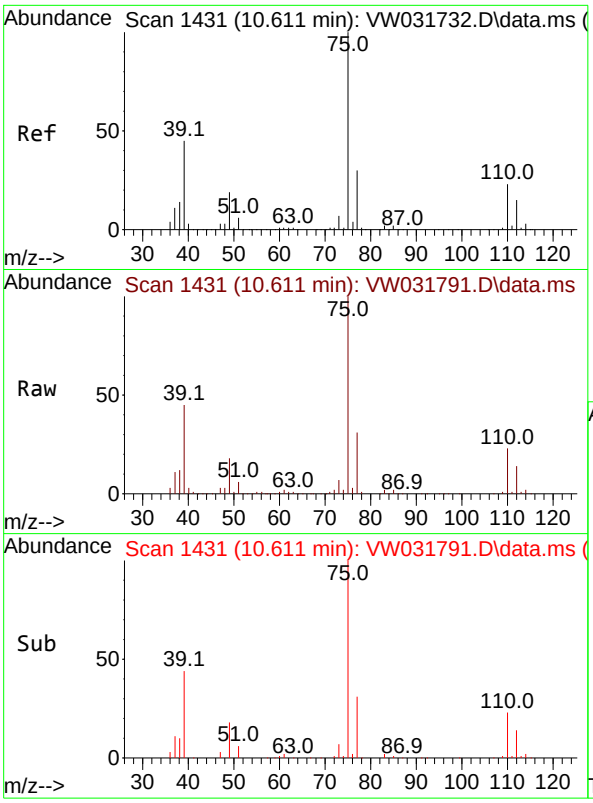


#52
Toluene
Concen: 54.087 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 92 Resp: 417758

Ion	Ratio	Lower	Upper
92	100		
91	170.5	139.5	209.3



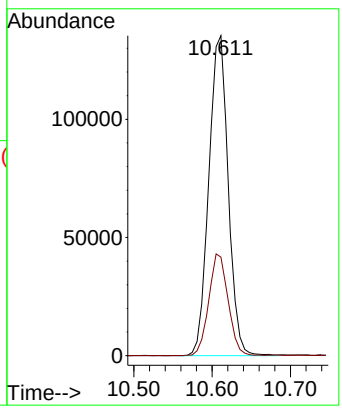


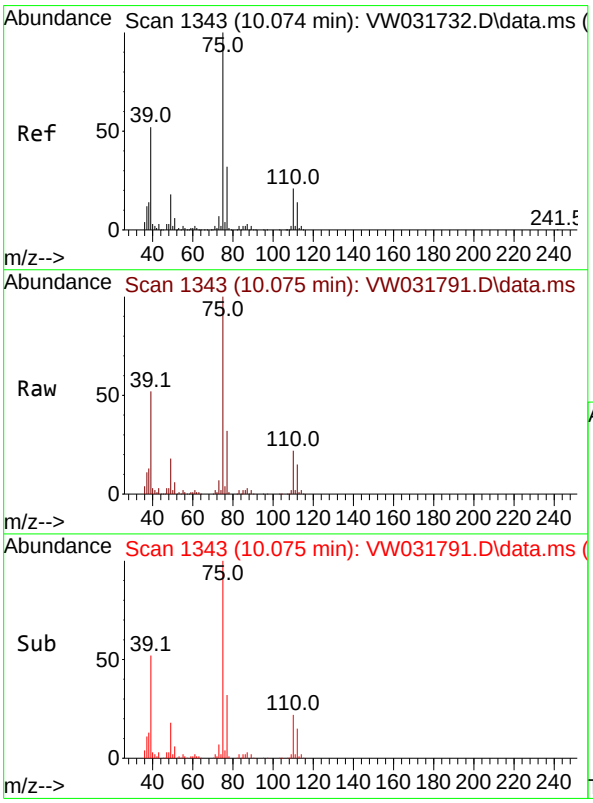
#53
t-1,3-Dichloropropene
Concen: 56.253 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 232972

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.3	36.5

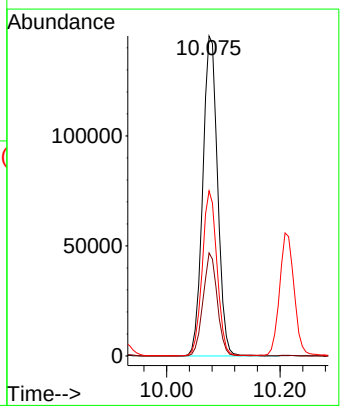


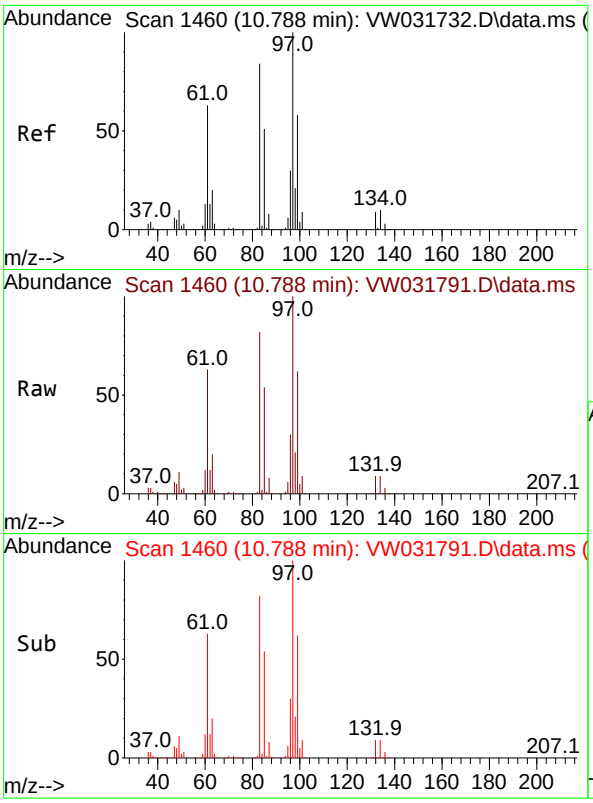


#54
cis-1,3-Dichloropropene
Concen: 56.150 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 263620

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	51.5	41.8	62.6



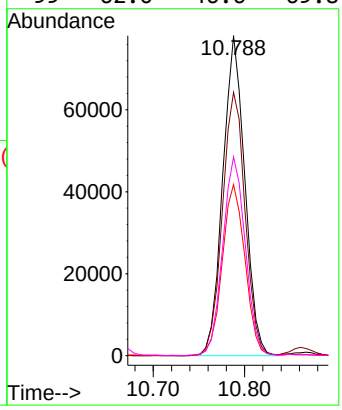


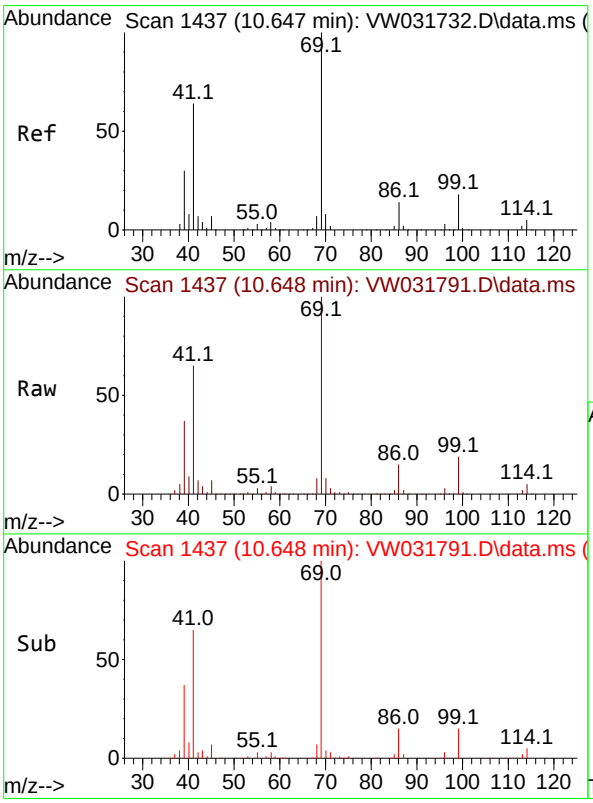
#55
1,1,2-Trichloroethane
Concen: 53.040 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 130782

Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.9	100.3
85	53.5	41.1	61.7
99	62.0	46.6	69.8

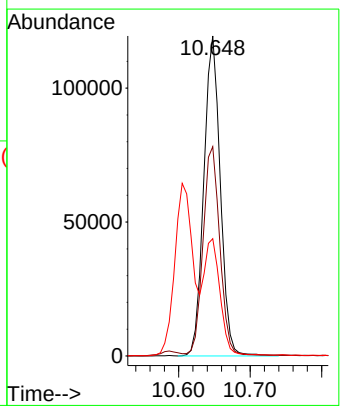


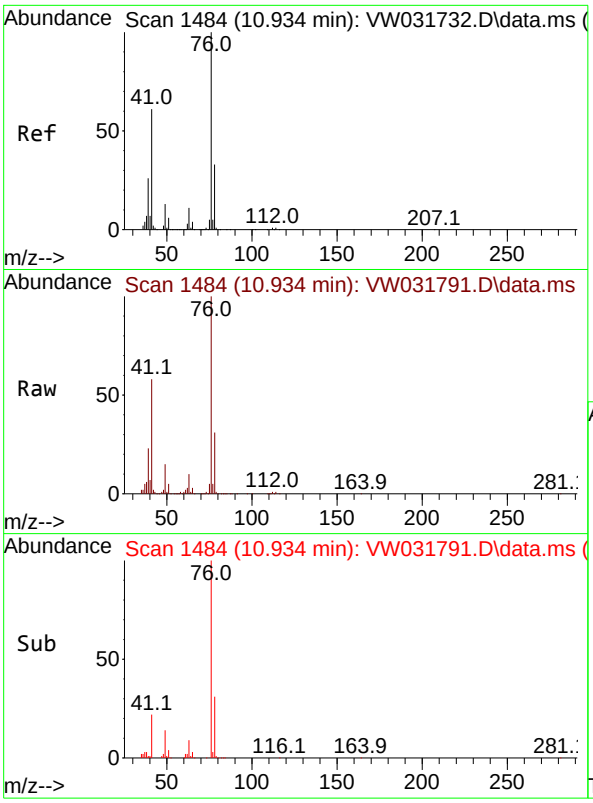


#56
Ethyl methacrylate
Concen: 57.193 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 69 Resp: 191318

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.3	79.9
39	34.8	30.2	45.2



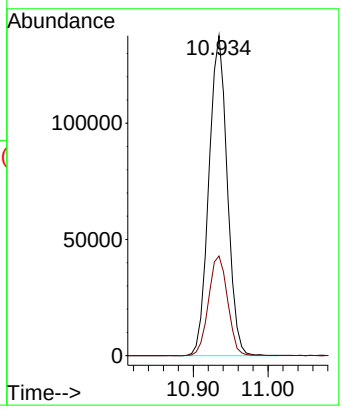


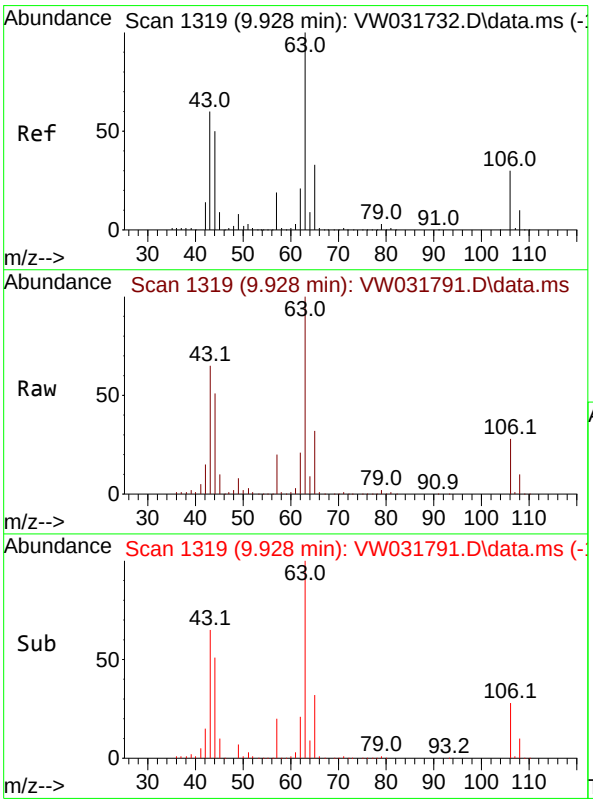
#57
1,3-Dichloropropane
Concen: 54.227 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 234750

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

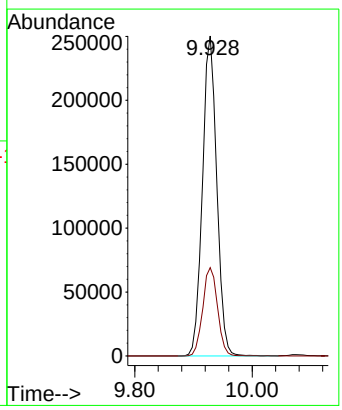


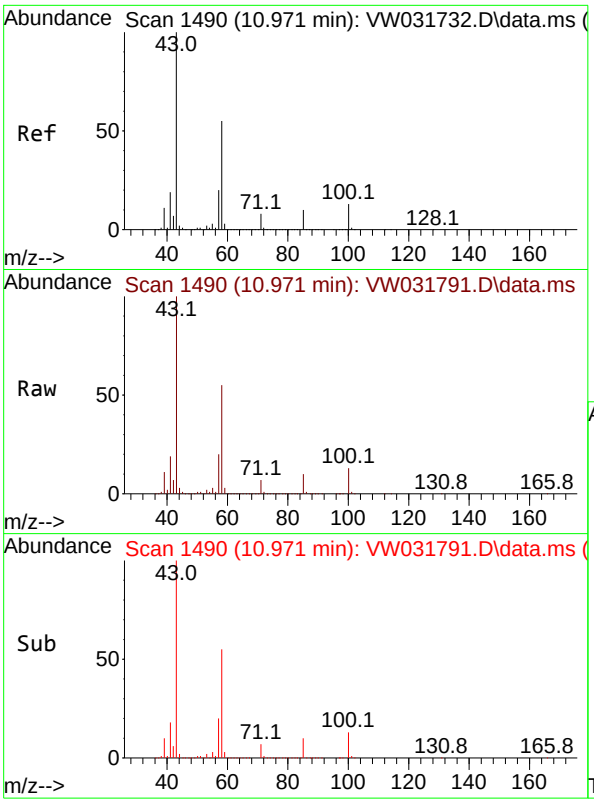


#58
2-Chloroethyl Vinyl ether
Concen: 230.437 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 63 Resp: 424465

Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.1	36.1



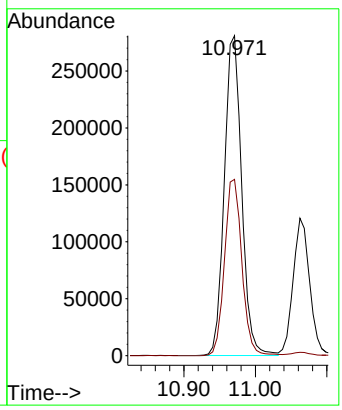


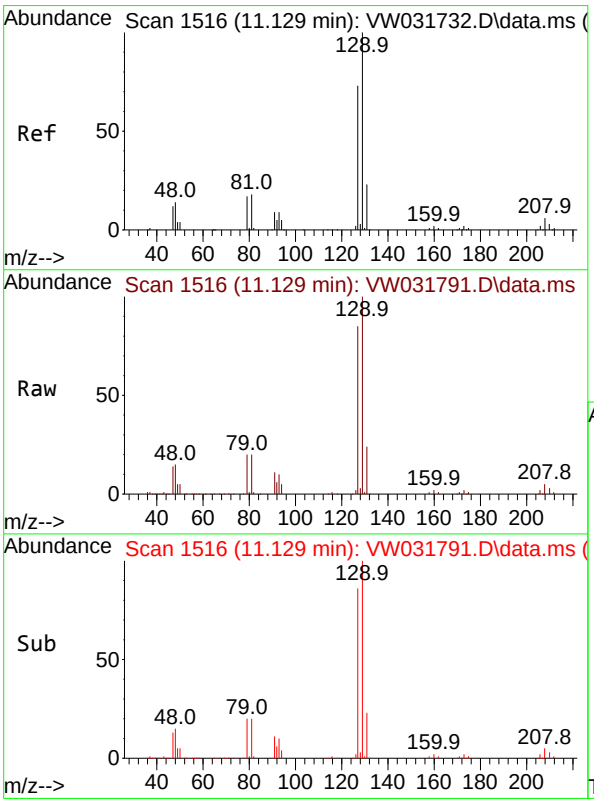
#59
2-Hexanone
Concen: 273.918 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 473151

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.9	83.6

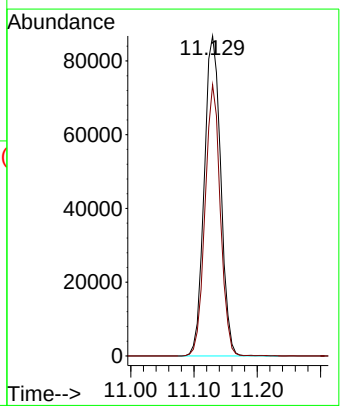


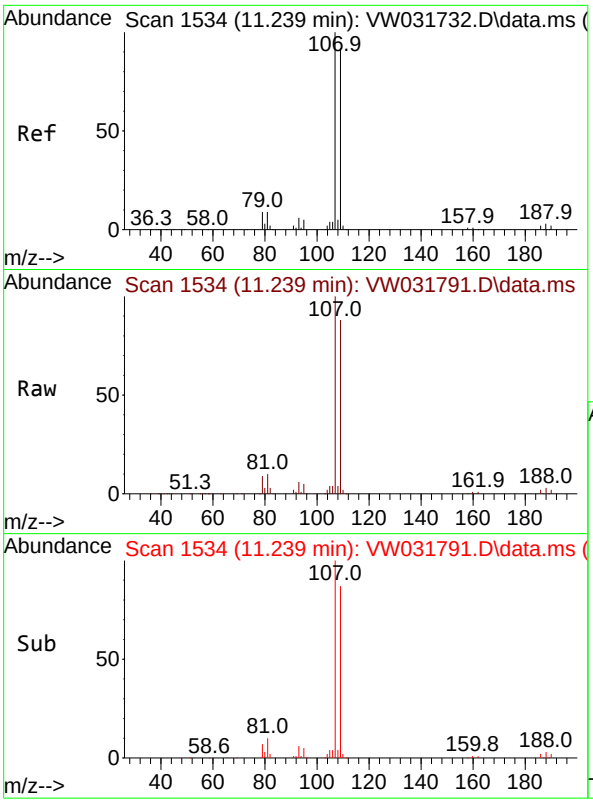


#60
Dibromochloromethane
Concen: 53.437 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:129 Resp: 157563

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.0	114.1



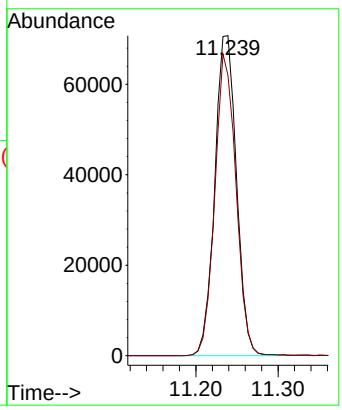


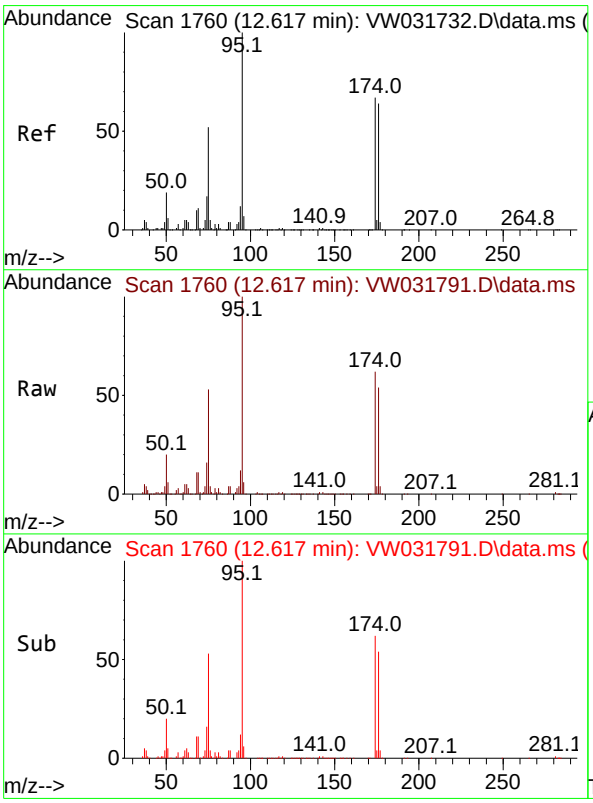
#61
1,2-Dibromoethane
Concen: 52.626 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 129900

Ion	Ratio	Lower	Upper
107	100		
109	91.8	73.9	110.9

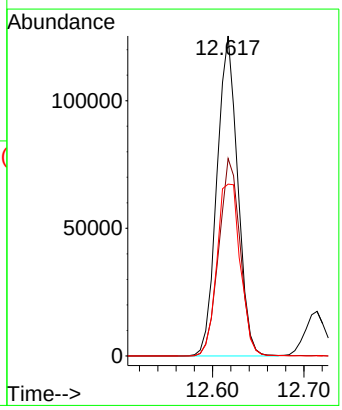


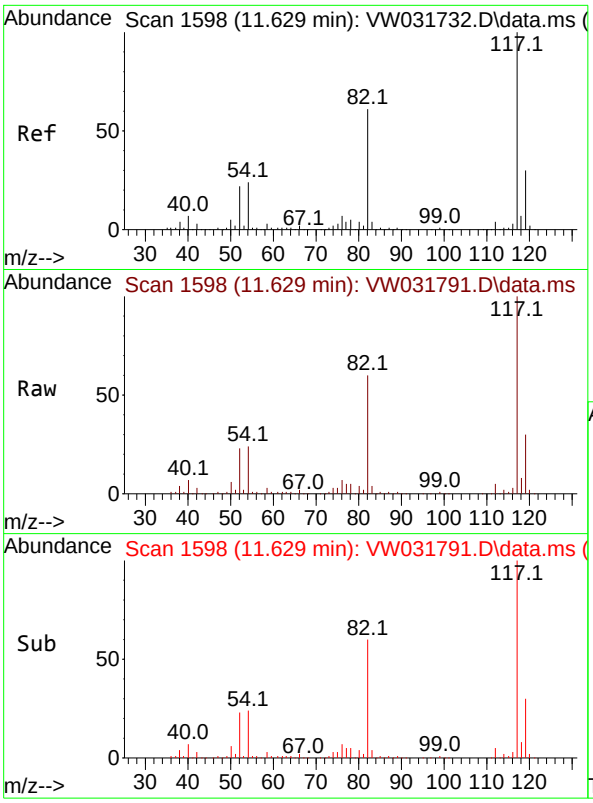


#62
4-Bromofluorobenzene
Concen: 51.310 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 95 Resp: 197999

Ion	Ratio	Lower	Upper
95	100		
174	63.3	0.0	133.8
176	61.0	0.0	126.0



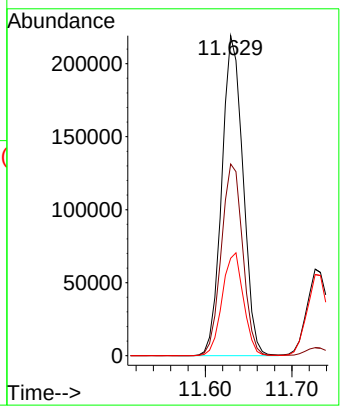


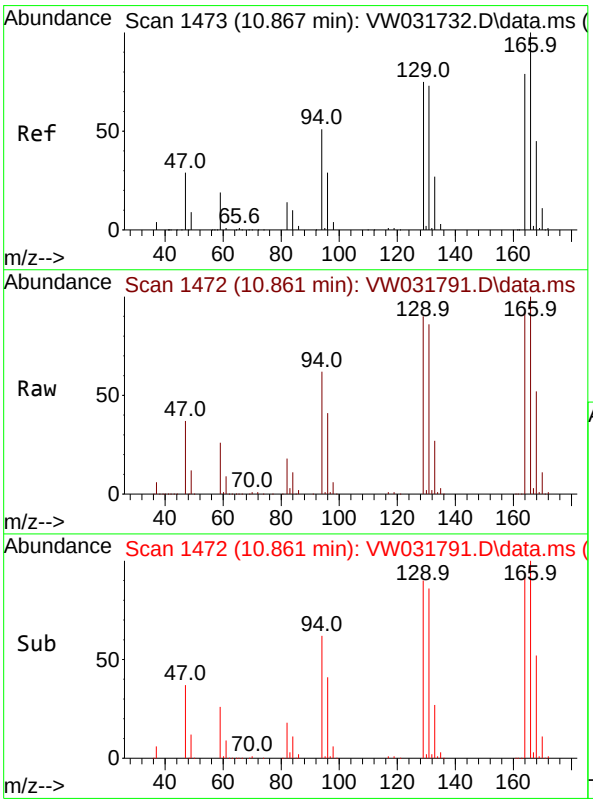
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 372703

Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.6	72.8
119	30.5	23.9	35.9

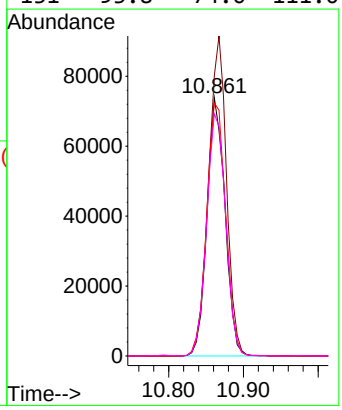


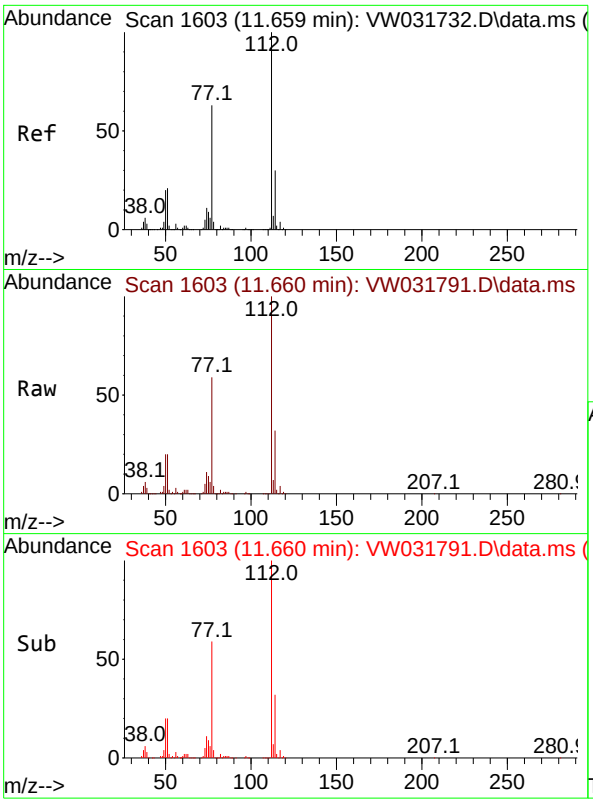


#64
Tetrachloroethene
Concen: 50.476 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:164 Resp: 123056

Ion	Ratio	Lower	Upper
164	100		
166	108.7	100.7	151.1
129	98.0	75.4	113.0
131	93.8	74.0	111.0



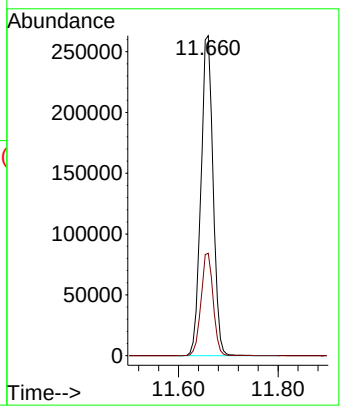


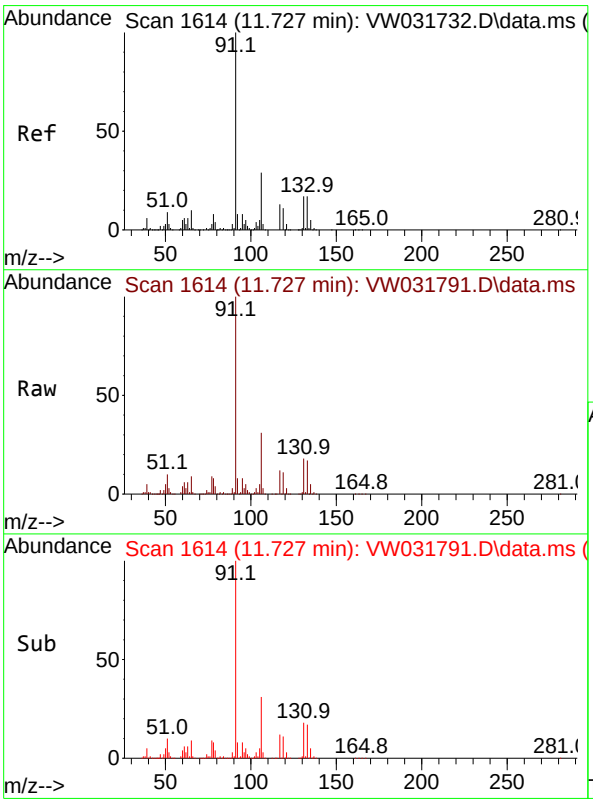
#65
Chlorobenzene
Concen: 54.120 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 445036

Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.8	35.8

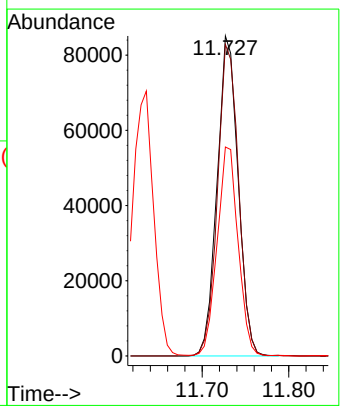


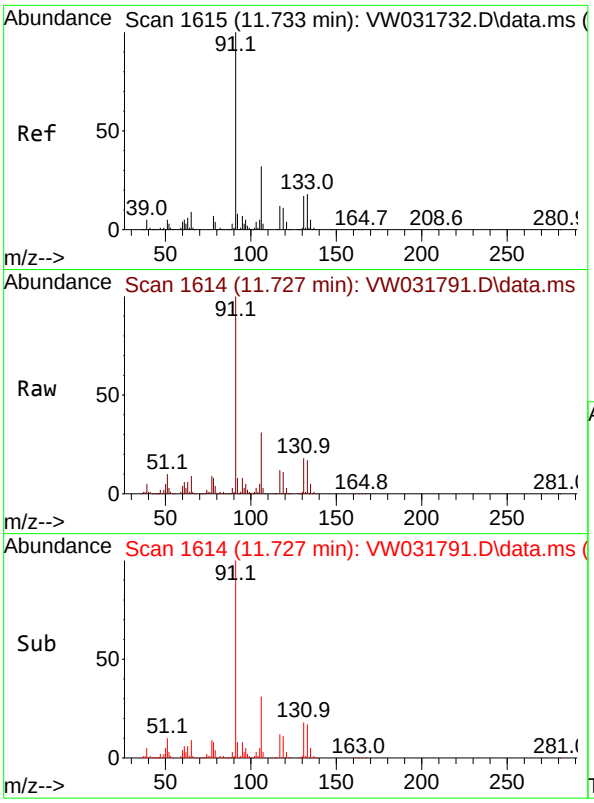


#66
1,1,1,2-Tetrachloroethane
Concen: 54.724 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:131 Resp: 143400

Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.5	145.6
119	65.0	32.5	97.5



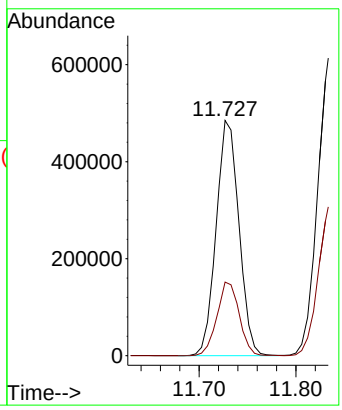


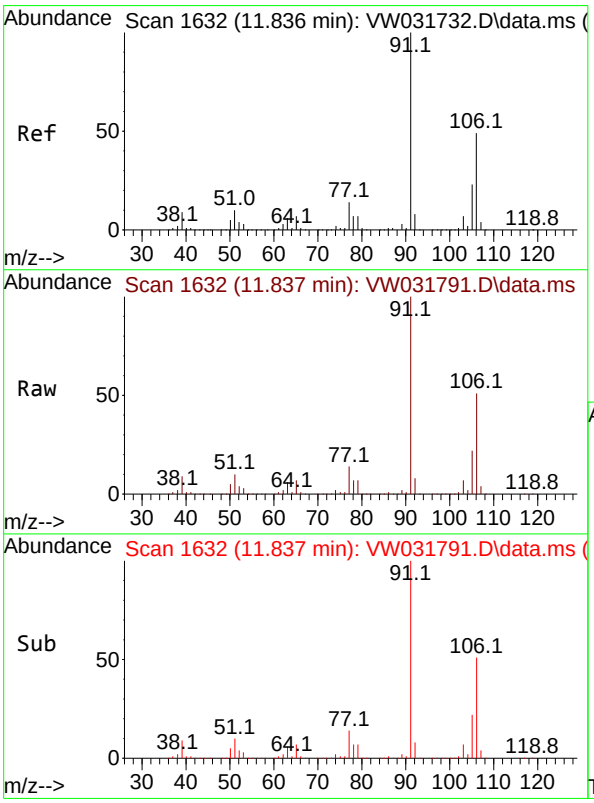
#67
Ethyl Benzene
Concen: 55.536 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 791900

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.2

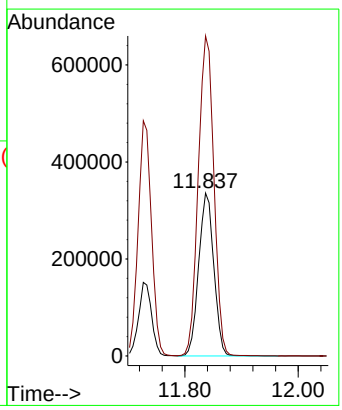


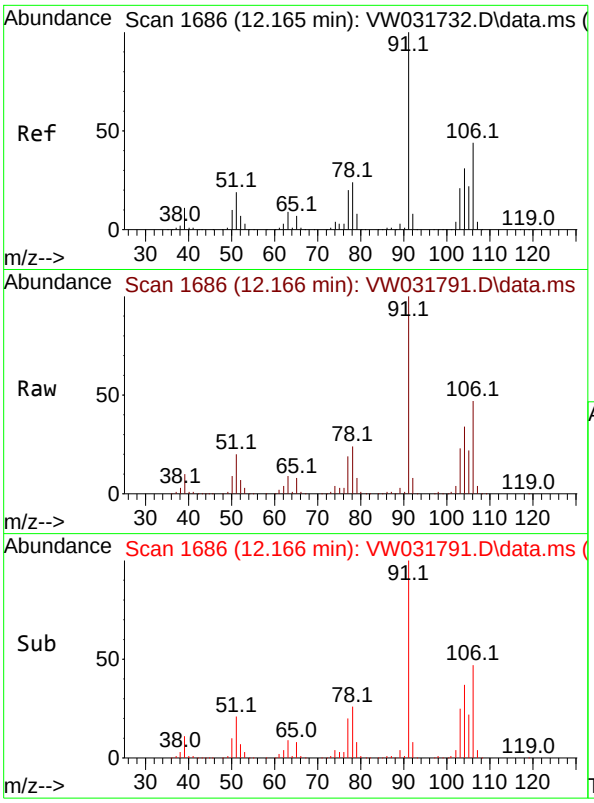


#68
m/p-Xylenes
Concen: 113.445 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:106 Resp: 621844

Ion	Ratio	Lower	Upper
106	100		
91	203.1	166.4	249.6



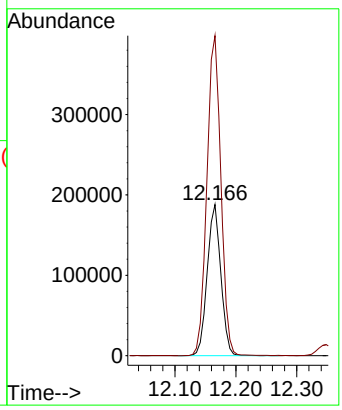


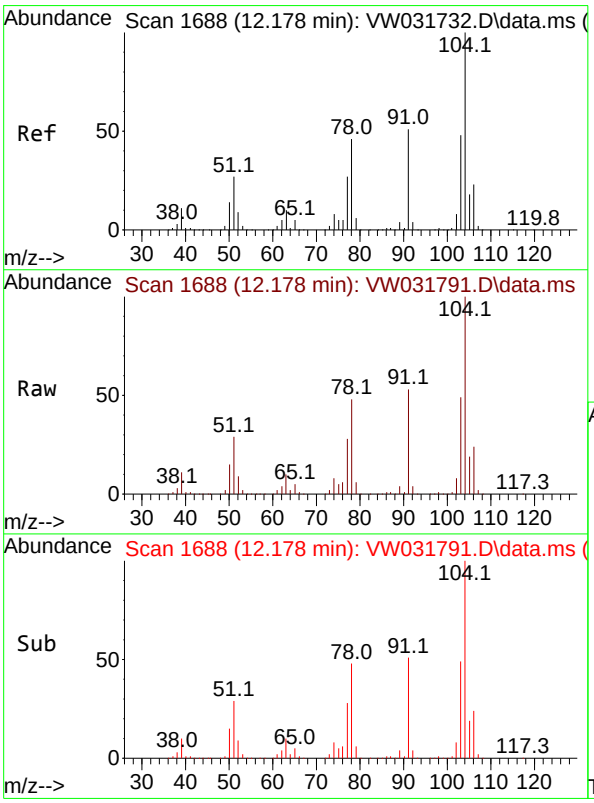
#69
o-Xylene
Concen: 57.372 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 291178

Ion	Ratio	Lower	Upper
106	100		
91	218.0	111.5	334.4

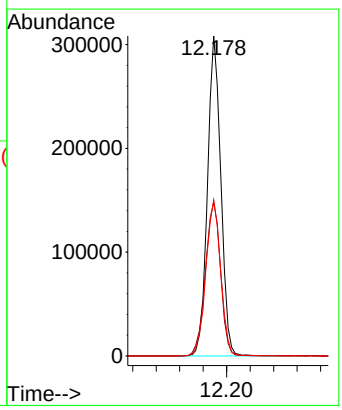


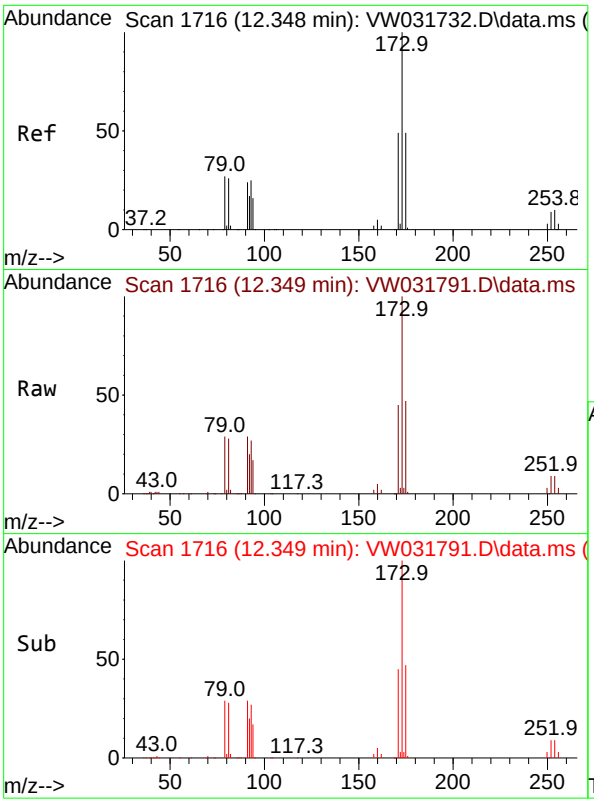


#70
Styrene
Concen: 55.530 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:104 Resp: 487219

Ion	Ratio	Lower	Upper
104	100		
78	54.6	42.1	63.1
103	53.9	43.0	64.6



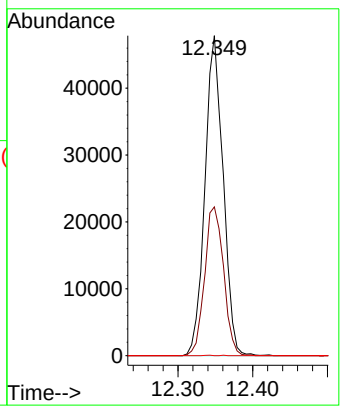


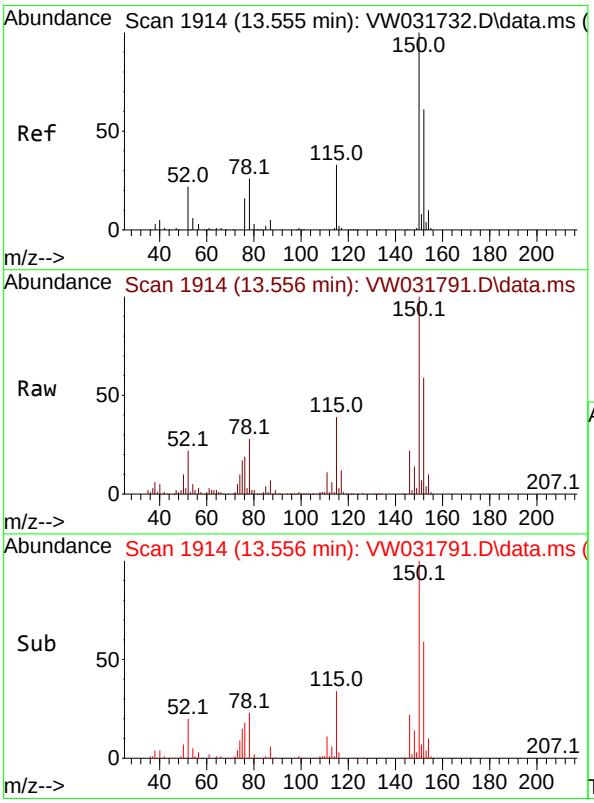
#71
Bromoform
Concen: 51.797 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 80971

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.0	72.0
254	0.1	0.1	0.1#

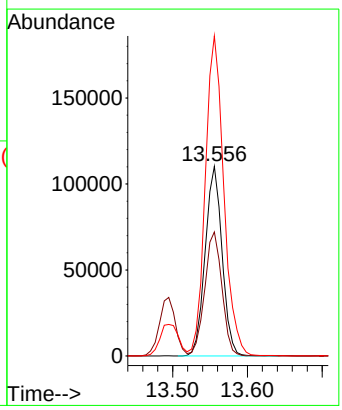


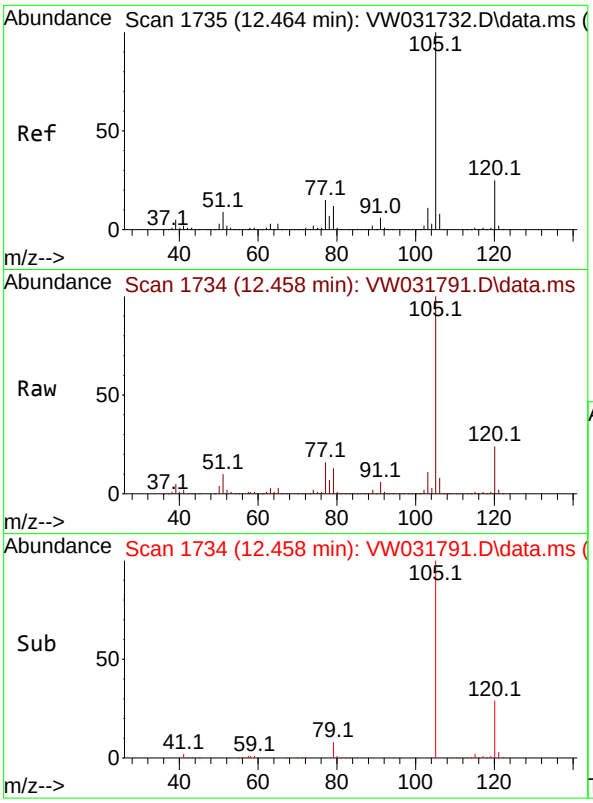


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:152 Resp: 173821

Ion	Ratio	Lower	Upper
152	100		
115	66.3	31.9	95.7
150	184.3	0.0	356.4



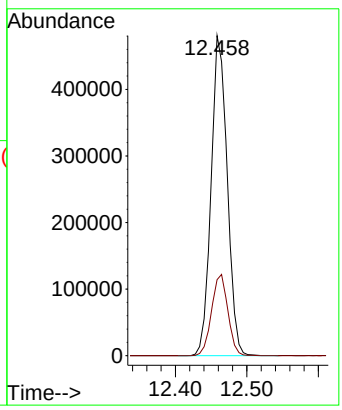


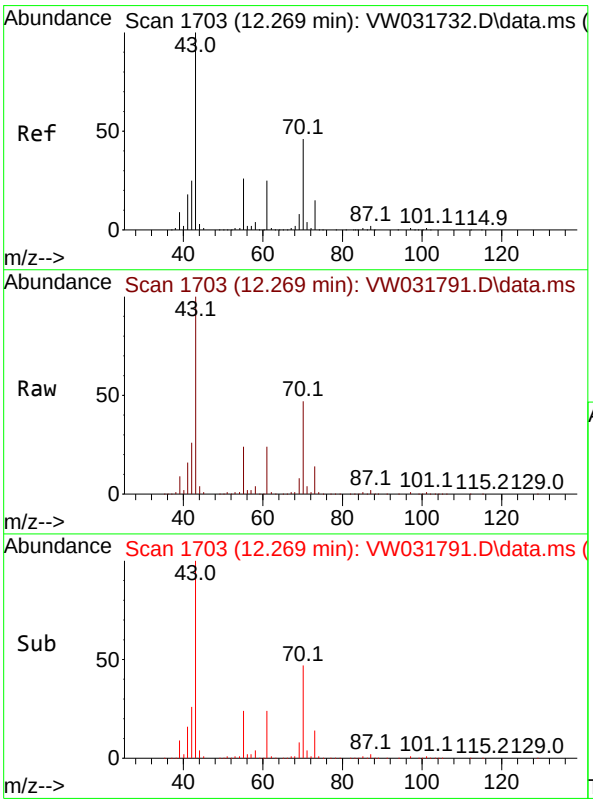
#73
Isopropylbenzene
Concen: 56.847 ug/l
RT: 12.458 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 751622

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

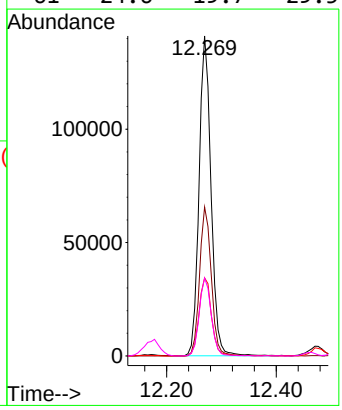


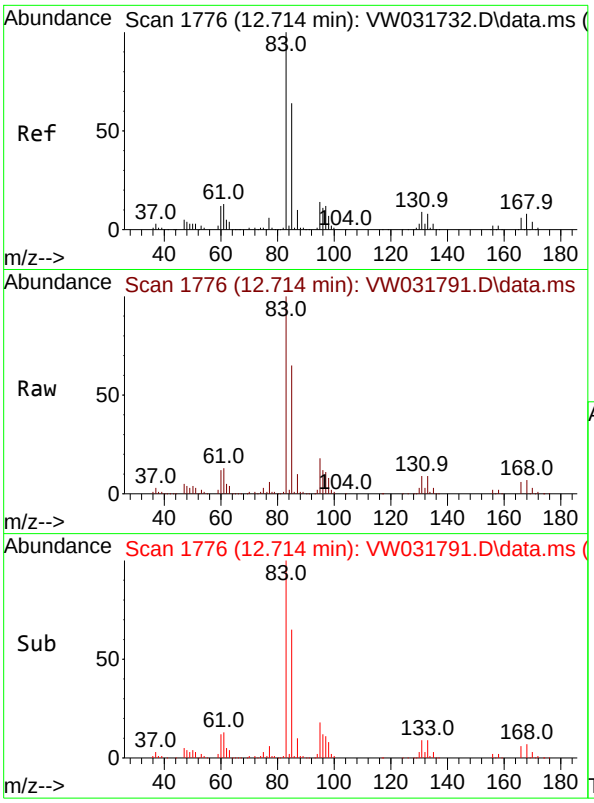


#74
N-amyl acetate
Concen: 59.970 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 43 Resp: 213716

Ion	Ratio	Lower	Upper
43	100		
70	45.8	36.0	54.0
55	25.5	20.8	31.2
61	24.6	19.7	29.5



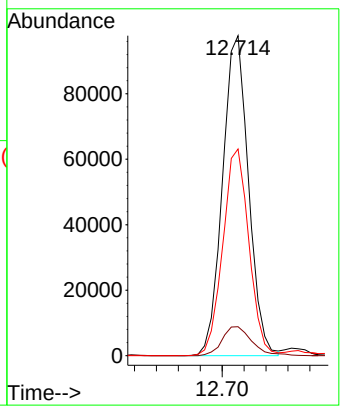


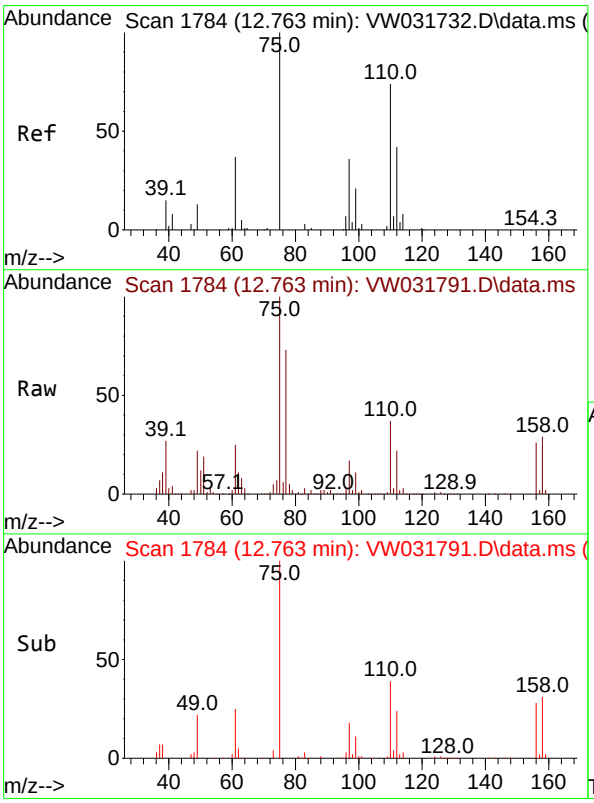
#75
1,1,2,2-Tetrachloroethane
Concen: 54.777 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 160789

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	65.0	32.0	96.2

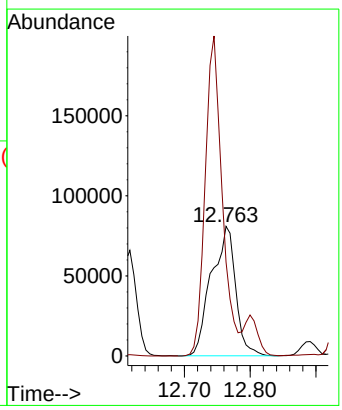


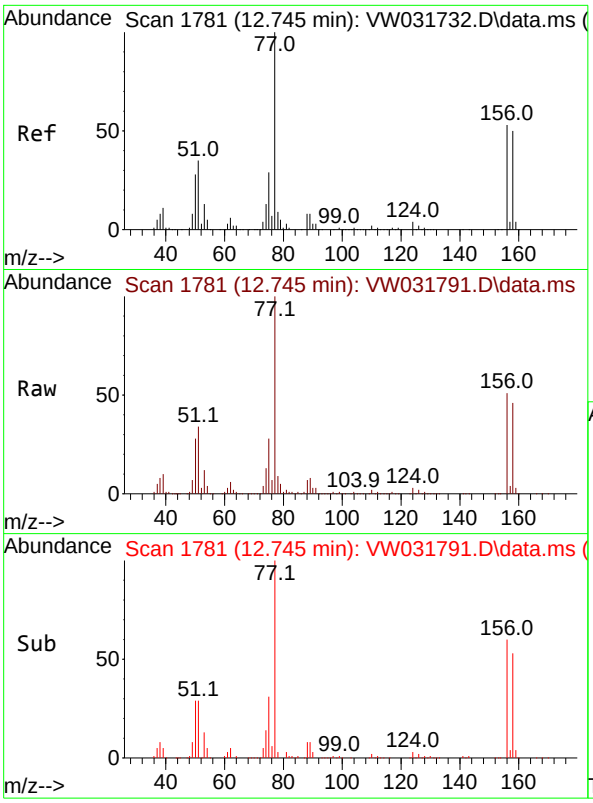


#76
1,2,3-Trichloropropane
Concen: 92.528 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 207841

Ion	Ratio	Lower	Upper
75	100		
77	173.2	141.2	423.6



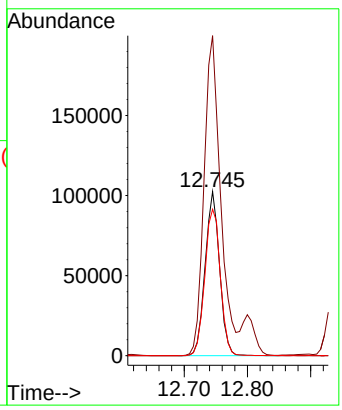


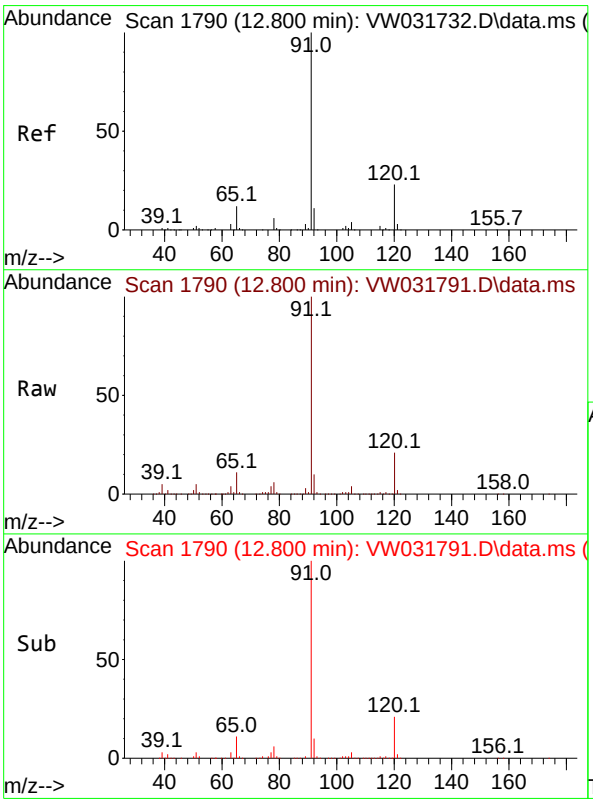
#77
Bromobenzene
Concen: 55.136 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 162590

Ion	Ratio	Lower	Upper
156	100		
77	221.4	117.9	353.7
158	96.0	52.6	157.8

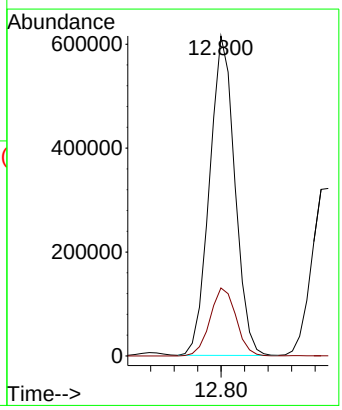


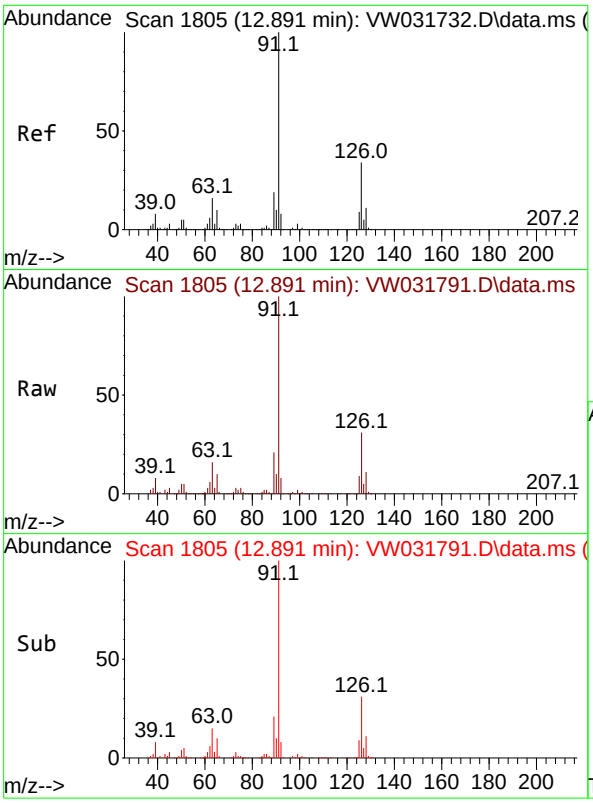


#78
n-propylbenzene
Concen: 58.086 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 91 Resp: 919660

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4



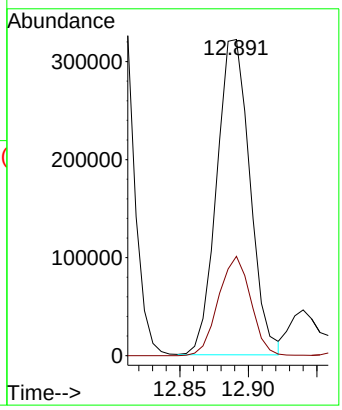


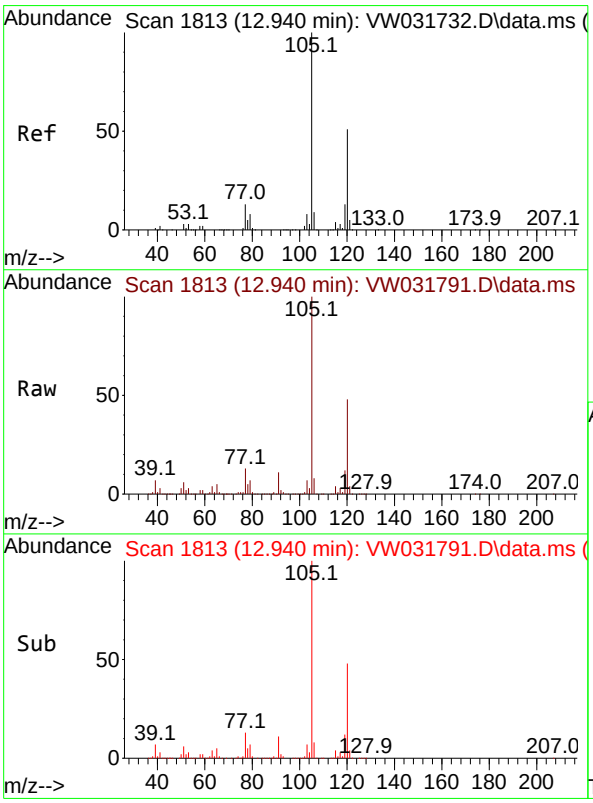
#79
2-Chlorotoluene
Concen: 57.014 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 543574

Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.8	47.4

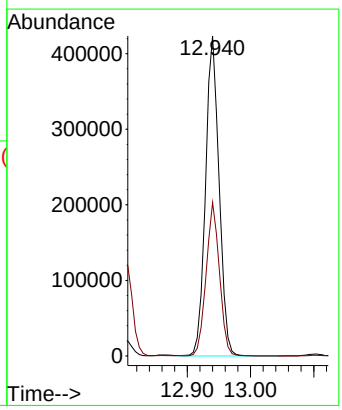


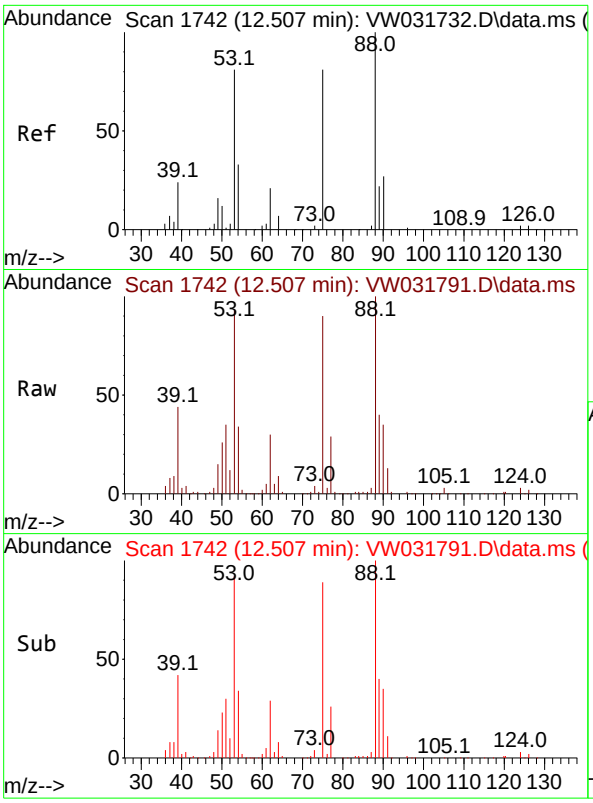


#80
1,3,5-Trimethylbenzene
Concen: 57.838 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 633002

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.8	71.2



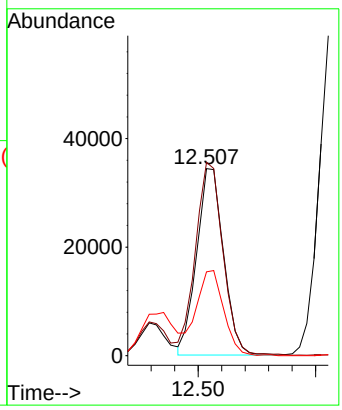


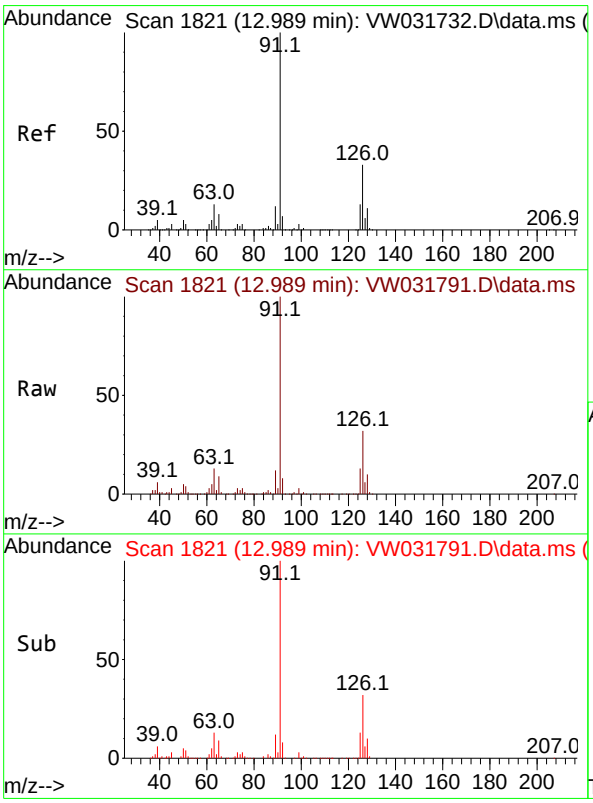
#81
trans-1,4-Dichloro-2-butene
Concen: 56.764 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 54744

Ion	Ratio	Lower	Upper
75	100		
53	107.2	83.5	125.3
89	48.1	38.3	57.5

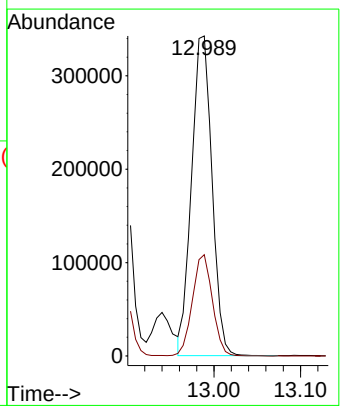


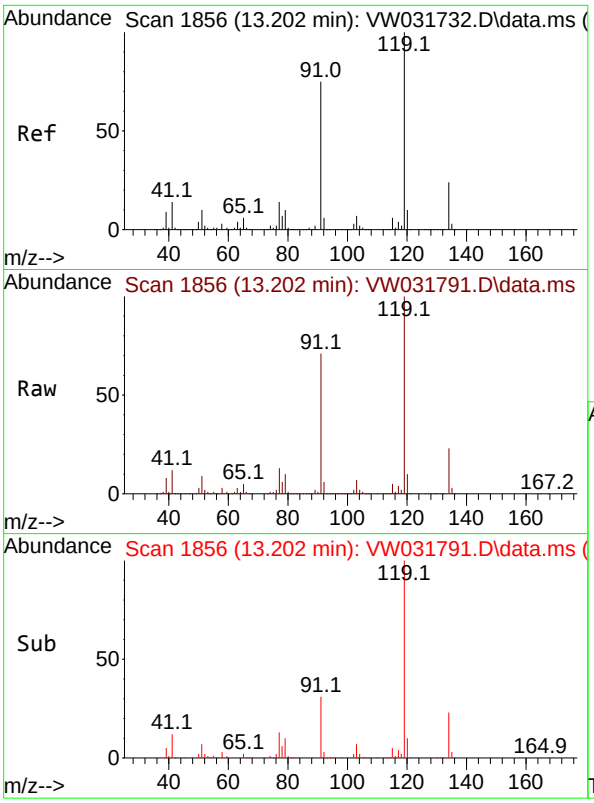


#82
4-Chlorotoluene
Concen: 56.028 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 91 Resp: 560825

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9



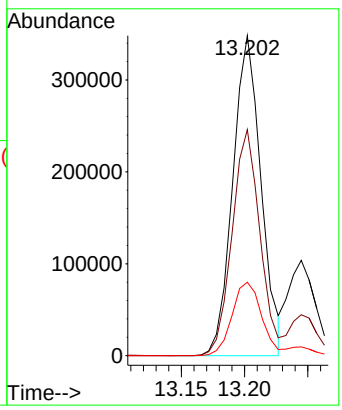


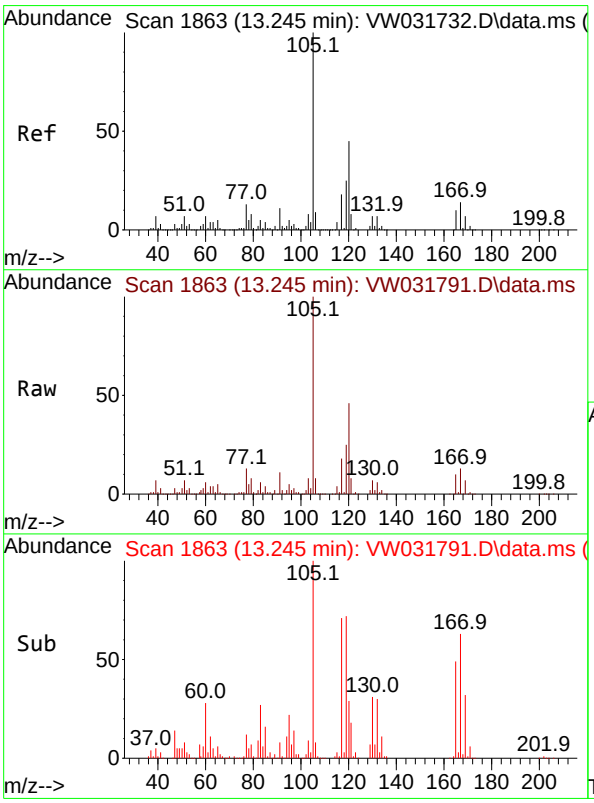
#83
tert-Butylbenzene
Concen: 57.715 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 541064

Ion	Ratio	Lower	Upper
119	100		
91	69.4	36.0	108.1
134	24.3	12.4	37.2

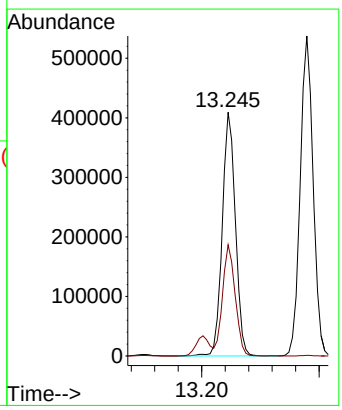


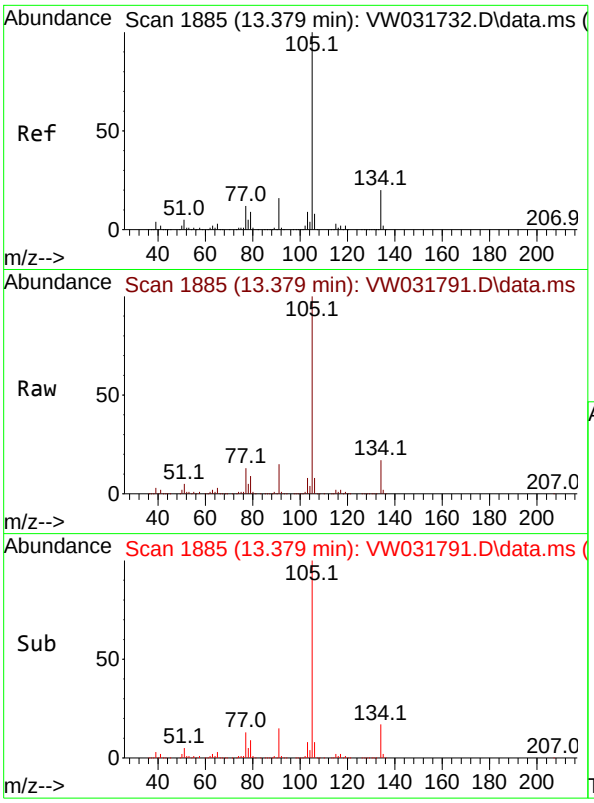


#84
1,2,4-Trimethylbenzene
Concen: 57.291 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:105 Resp: 635294

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1



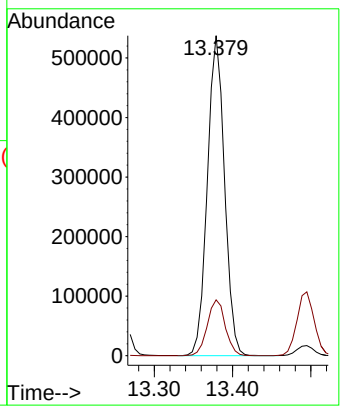


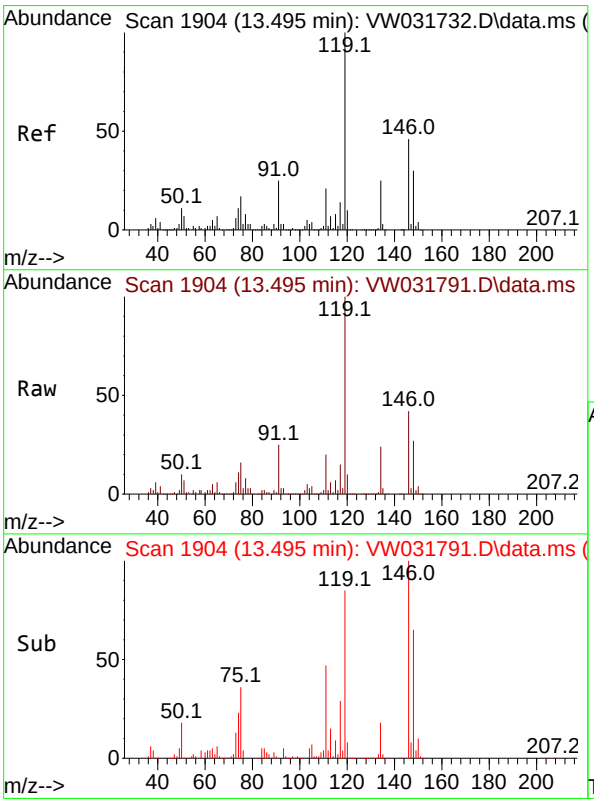
#85
sec-Butylbenzene
Concen: 57.987 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 815956

Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.6	28.8

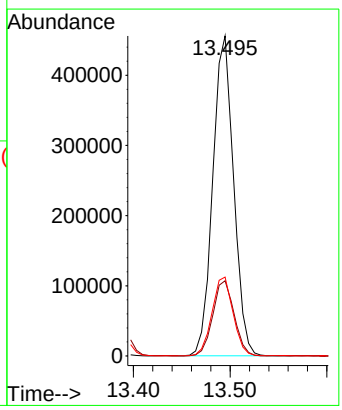


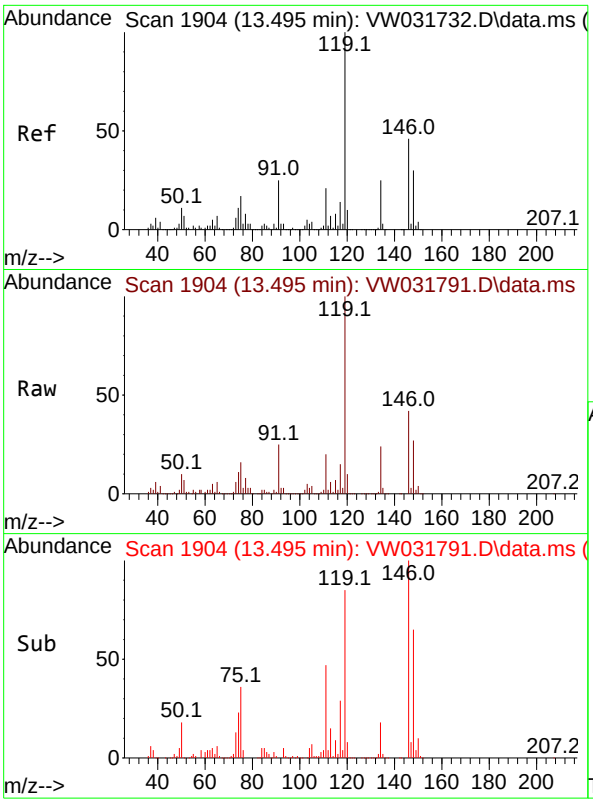


#86
p-Isopropyltoluene
Concen: 58.717 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:119 Resp: 680929

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.9	38.7
91	24.9	12.7	38.0



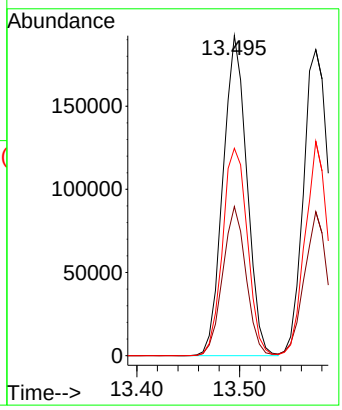


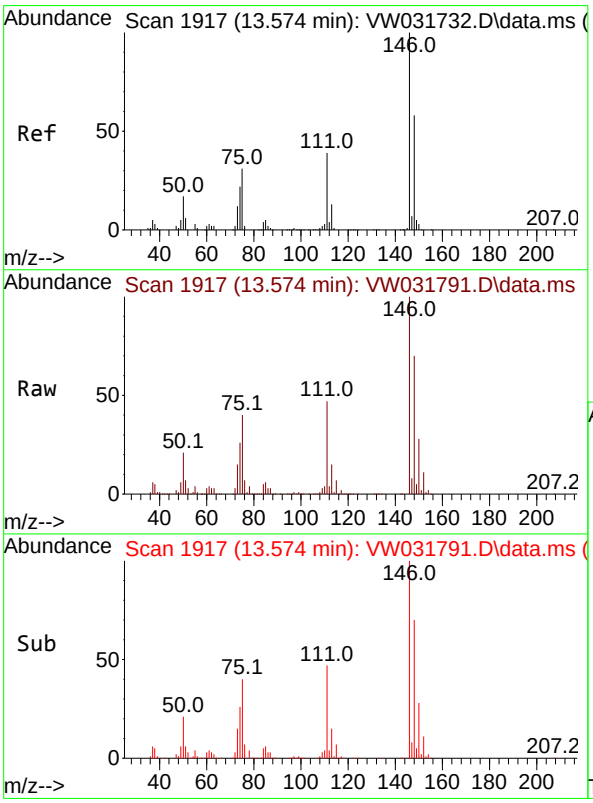
#87
1,3-Dichlorobenzene
Concen: 52.604 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 311093

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.3	66.9
148	67.3	31.8	95.4

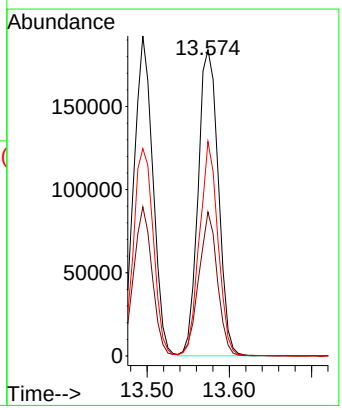


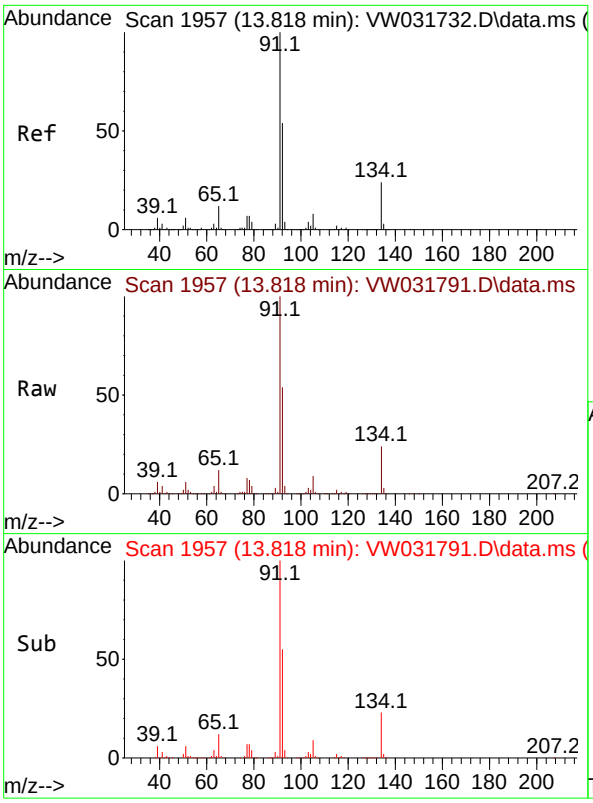


#88
1,4-Dichlorobenzene
Concen: 51.878 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:146 Resp: 314021

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	64.4	30.2	90.6



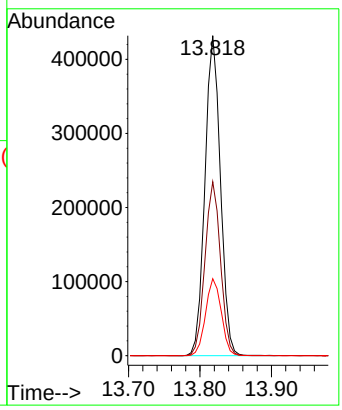


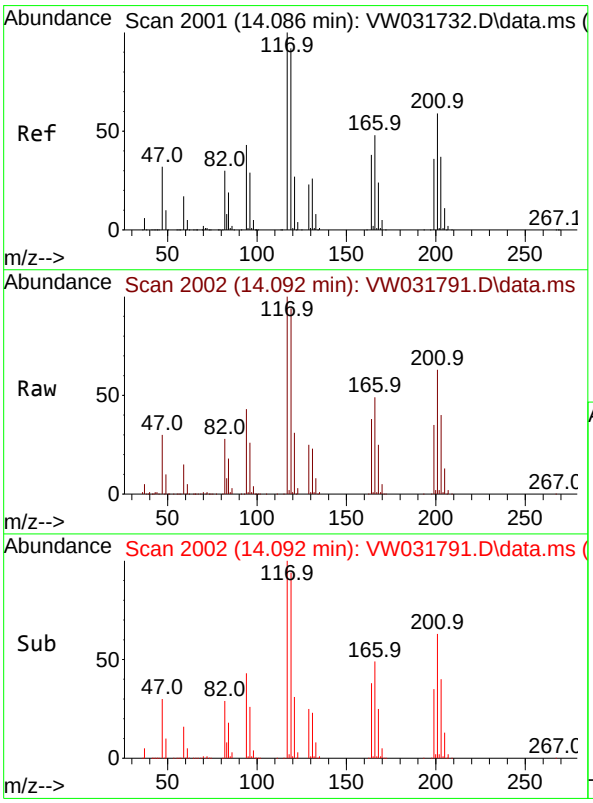
#89
n-Butylbenzene
Concen: 57.705 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 650184

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.5
134	24.4	12.2	36.6

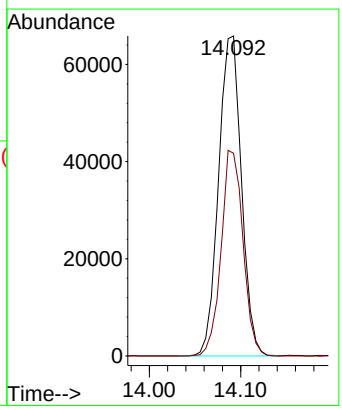


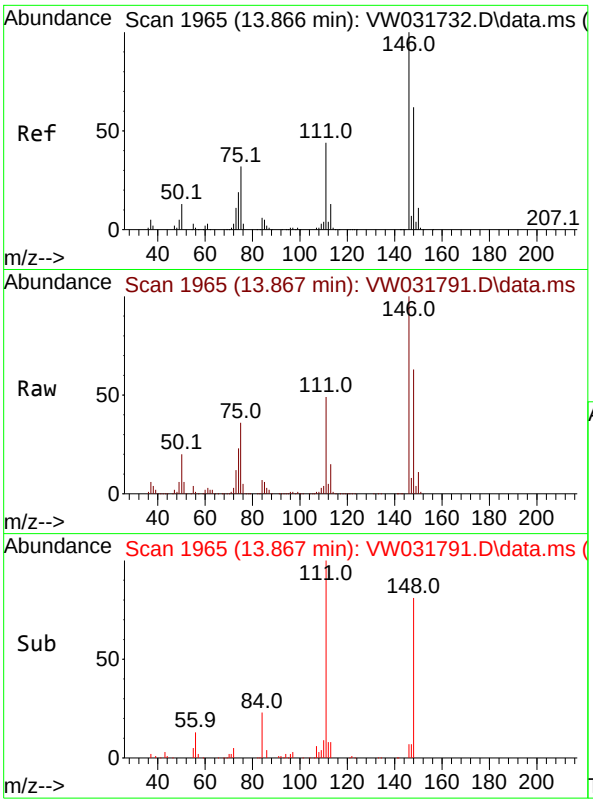


#90
Hexachloroethane
Concen: 54.720 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:117 Resp: 114483

Ion	Ratio	Lower	Upper
117	100		
201	61.5	31.1	93.3



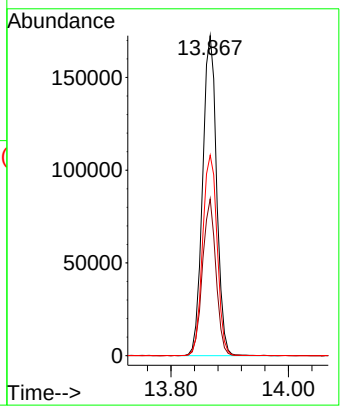


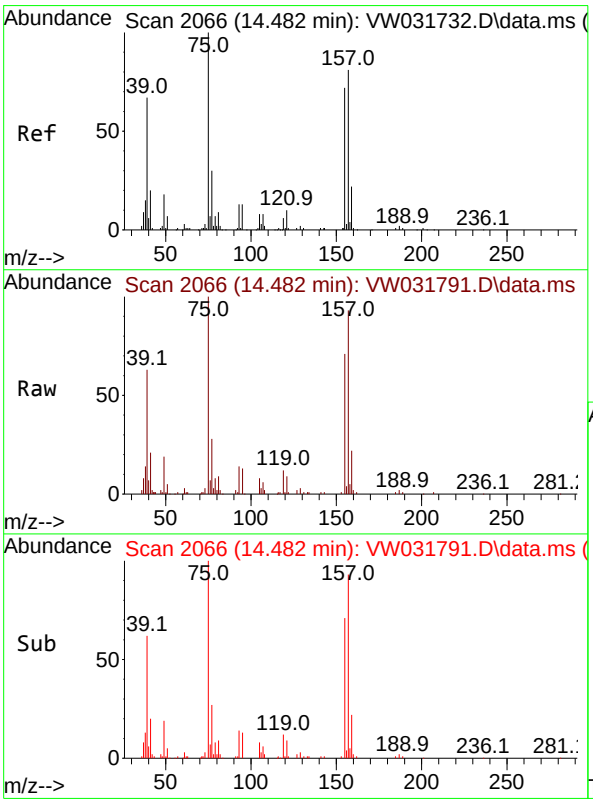
#91
1,2-Dichlorobenzene
Concen: 52.908 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 285982

Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.7	65.1
148	64.8	29.8	89.5

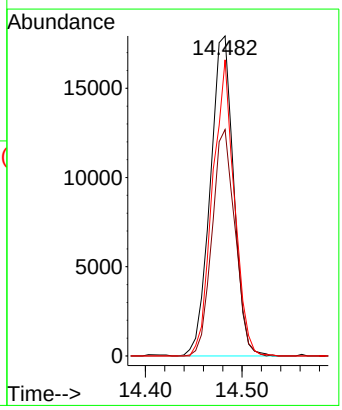


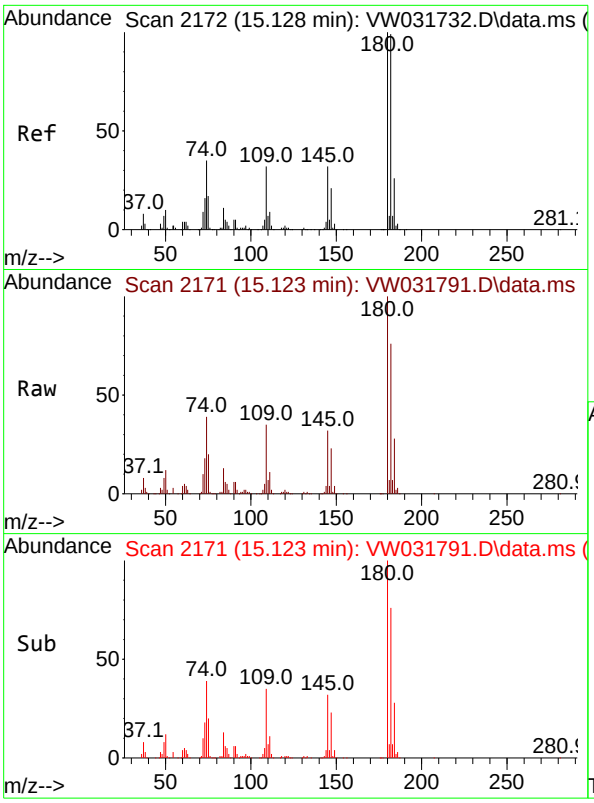


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.471 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion: 75 Resp: 30074

Ion	Ratio	Lower	Upper
75	100		
155	69.5	37.2	111.6
157	86.1	45.6	136.9



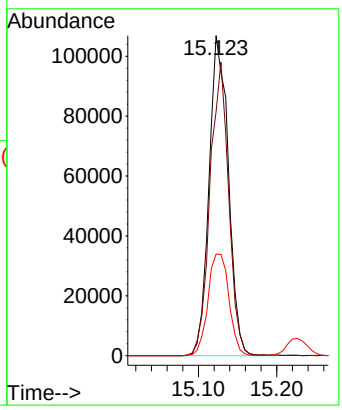


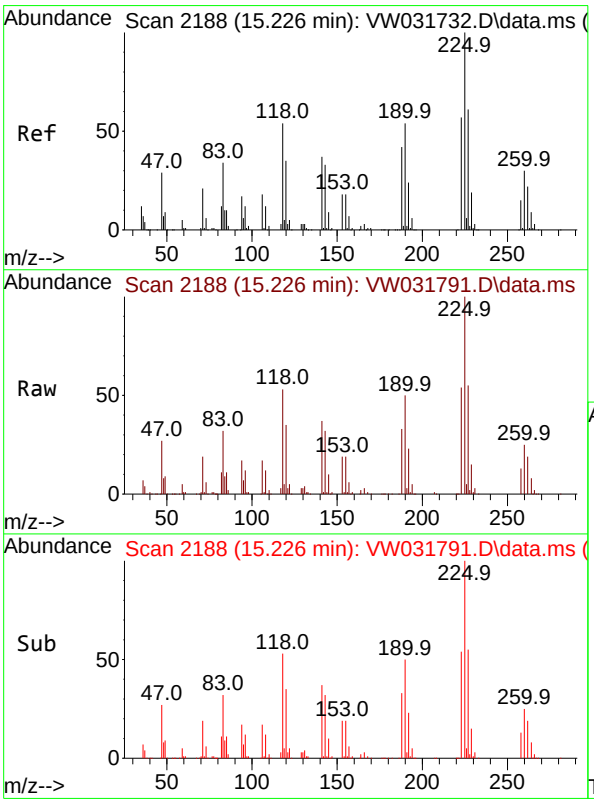
#93
1,2,4-Trichlorobenzene
Concen: 54.930 ug/l
RT: 15.123 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 183110

Ion	Ratio	Lower	Upper
180	100		
182	88.6	48.6	145.9
145	34.6	17.3	51.7

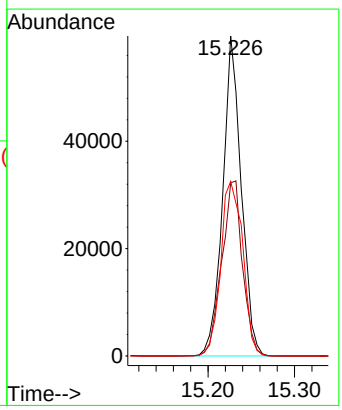


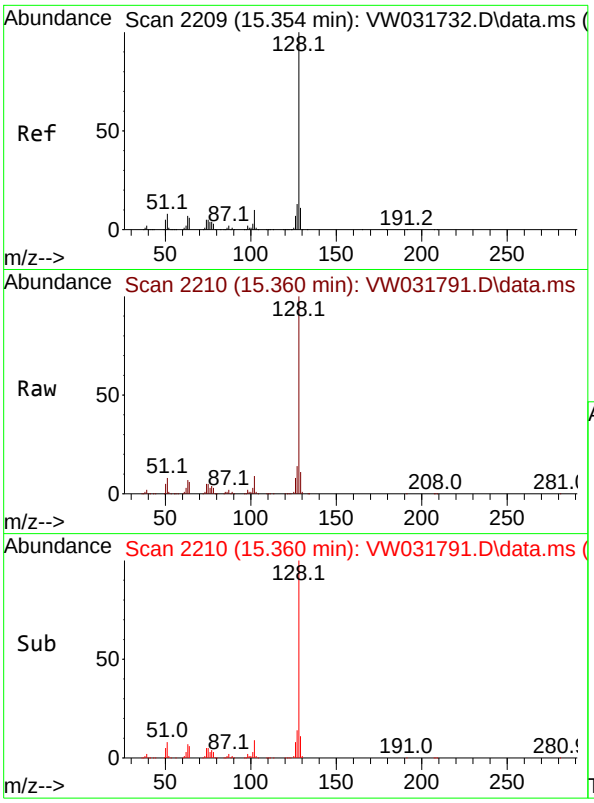


#94
Hexachlorobutadiene
Concen: 55.092 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:225 Resp: 88681

Ion	Ratio	Lower	Upper
225	100		
223	61.4	32.6	97.8
227	64.8	37.3	111.8



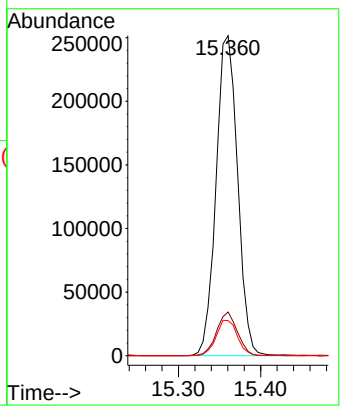


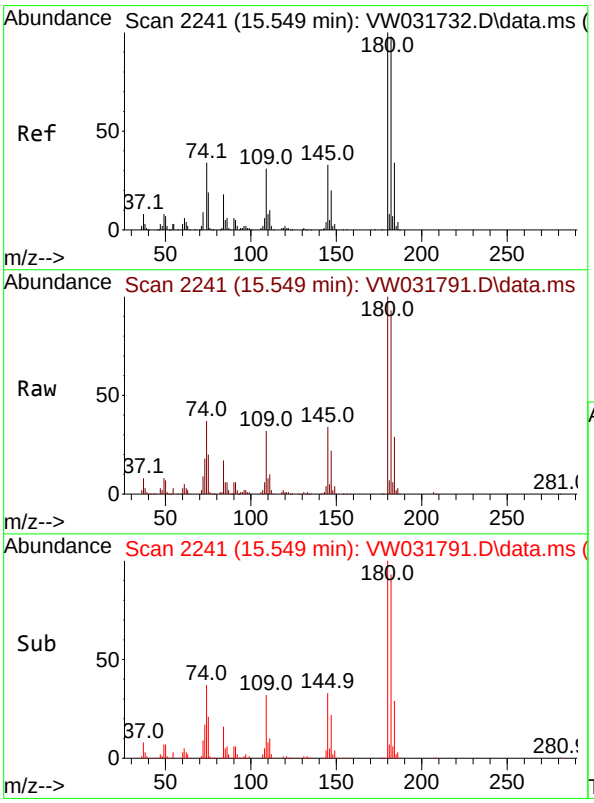
#95
Naphthalene
Concen: 56.091 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 458410

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.0	8.7	13.1

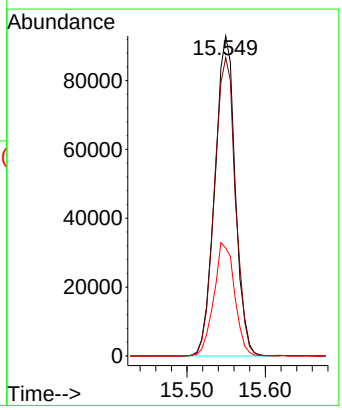




#96
1,2,3-Trichlorobenzene
Concen: 54.834 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031791.D
Acq: 10 Jul 2025 08:47

Tgt Ion:180 Resp: 167959

Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.4	139.1
145	36.1	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	227800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	411611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	356304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159491	48.786	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 97.580%			
35) Dibromofluoromethane	7.904	113	127793	47.578	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 95.160%			
50) Toluene-d8	10.331	98	492896	49.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.617	95	188760	51.317	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	28672	18.481	ug/l	97
3) Chloromethane	2.259	50	36132	19.318	ug/l	100
4) Vinyl Chloride	2.405	62	49314	20.060	ug/l	99
5) Bromomethane	2.826	94	36183	18.843	ug/l	99
6) Chloroethane	2.972	64	32708	19.587	ug/l	96
7) Trichlorofluoromethane	3.308	101	40846	18.295	ug/l	96
8) Diethyl Ether	3.728	74	32965	19.431	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.112	101	47864	19.315	ug/l	99
10) Methyl Iodide	4.313	142	73757	19.306	ug/l	100
11) Tert butyl alcohol	5.222	59	18221	89.964	ug/l	98
12) 1,1-Dichloroethene	4.082	96	54927	20.236	ug/l	95
13) Acrolein	3.935	56	27559	75.707	ug/l	97
14) Allyl chloride	4.710	41	84175	20.212	ug/l	98
15) Acrylonitrile	5.405	53	78337	93.899	ug/l	99
16) Acetone	4.167	43	82057	101.550	ug/l	98
17) Carbon Disulfide	4.423	76	135639	18.674	ug/l	97
18) Methyl Acetate	4.716	43	40980	17.745	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97453	21.153	ug/l	97
20) Methylene Chloride	4.954	84	86741	24.344	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	57914	20.080	ug/l	96
22) Diisopropyl ether	6.344	45	178983	22.036	ug/l	95
23) Vinyl Acetate	6.289	43	573681	103.404	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107072	20.333	ug/l	98
25) 2-Butanone	7.203	43	113760	108.215	ug/l	93
26) 2,2-Dichloropropane	7.191	77	61808	20.117	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	68850	20.767	ug/l	98
28) Bromochloromethane	7.532	49	46935	20.197	ug/l	99
29) Tetrahydrofuran	7.557	42	70344	97.711	ug/l	98
30) Chloroform	7.697	83	118527	21.182	ug/l	99
31) Cyclohexane	7.971	56	94163	20.229	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	85287	19.778	ug/l	99
36) 1,1-Dichloropropene	8.099	75	80231	20.643	ug/l	99
37) Ethyl Acetate	7.282	43	49109	20.030	ug/l	98
38) Carbon Tetrachloride	8.087	117	77589	19.590	ug/l	93
39) Methylcyclohexane	9.343	83	98634	20.397	ug/l	97
40) Benzene	8.337	78	239525	20.830	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.508	41	27114	20.644	ug/l		98
42) 1,2-Dichloroethane	8.416	62	79451	20.448	ug/l		98
43) Isopropyl Acetate	8.441	43	84356	19.959	ug/l		99
44) Trichloroethene	9.105	130	58660	20.438	ug/l		96
45) 1,2-Dichloropropane	9.380	63	58767	21.145	ug/l		98
46) Dibromomethane	9.465	93	36342	20.254	ug/l		98
47) Bromodichloromethane	9.648	83	85402	20.298	ug/l		95
48) Methyl methacrylate	9.447	41	40682	19.576	ug/l		98
49) 1,4-Dioxane	9.465	88	7968	379.166	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.215	43	243938	100.395	ug/l		99
52) Toluene	10.392	92	153770	20.886	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	81344	20.605	ug/l		98
54) cis-1,3-Dichloropropene	10.081	75	93385	20.867	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	48442	20.611	ug/l		98
56) Ethyl methacrylate	10.648	69	65863	20.656	ug/l		99
57) 1,3-Dichloropropane	10.934	76	85519	20.724	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	180719	102.926	ug/l		97
59) 2-Hexanone	10.971	43	184308	111.938	ug/l		98
60) Dibromochloromethane	11.129	129	54573	19.417	ug/l		95
61) 1,2-Dibromoethane	11.239	107	48122	20.452	ug/l		99
64) Tetrachloroethene	10.867	164	45363	19.464	ug/l		91
65) Chlorobenzene	11.660	112	168300	21.409	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	54158	21.619	ug/l		97
67) Ethyl Benzene	11.733	91	300506	22.045	ug/l		98
68) m/p-Xylenes	11.843	106	221549	42.278	ug/l		97
69) o-Xylene	12.166	106	105871	21.820	ug/l		99
70) Styrene	12.184	104	179672	21.421	ug/l		98
71) Bromoform	12.349	173	26927	18.018	ug/l	#	95
73) Isopropylbenzene	12.464	105	276577	20.352	ug/l		100
74) N-amyl acetate	12.269	43	74607	20.368	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	59677	19.780	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	77002	33.352	ug/l		44
77) Bromobenzene	12.745	156	62484	20.615	ug/l		89
78) n-propylbenzene	12.800	91	341885	21.009	ug/l		99
79) 2-Chlorotoluene	12.891	91	200599	20.471	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	239593	21.299	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	17858	18.016	ug/l		91
82) 4-Chlorotoluene	12.989	91	215000	20.898	ug/l		99
83) tert-Butylbenzene	13.202	119	193236	20.054	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	239532	21.016	ug/l		99
85) sec-Butylbenzene	13.379	105	297918	20.599	ug/l		99
86) p-Isopropyltoluene	13.495	119	243955	20.467	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	120827	19.878	ug/l		98
88) 1,4-Dichlorobenzene	13.580	146	118668	19.074	ug/l		92
89) n-Butylbenzene	13.818	91	243206	21.000	ug/l		98
90) Hexachloroethane	14.092	117	40832	18.988	ug/l		97
91) 1,2-Dichlorobenzene	13.867	146	111078	19.994	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10704	18.170	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	66450	19.394	ug/l		98
94) Hexachlorobutadiene	15.226	225	31136	18.819	ug/l		92
95) Naphthalene	15.360	128	159288	18.963	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	58180	18.480	ug/l		92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

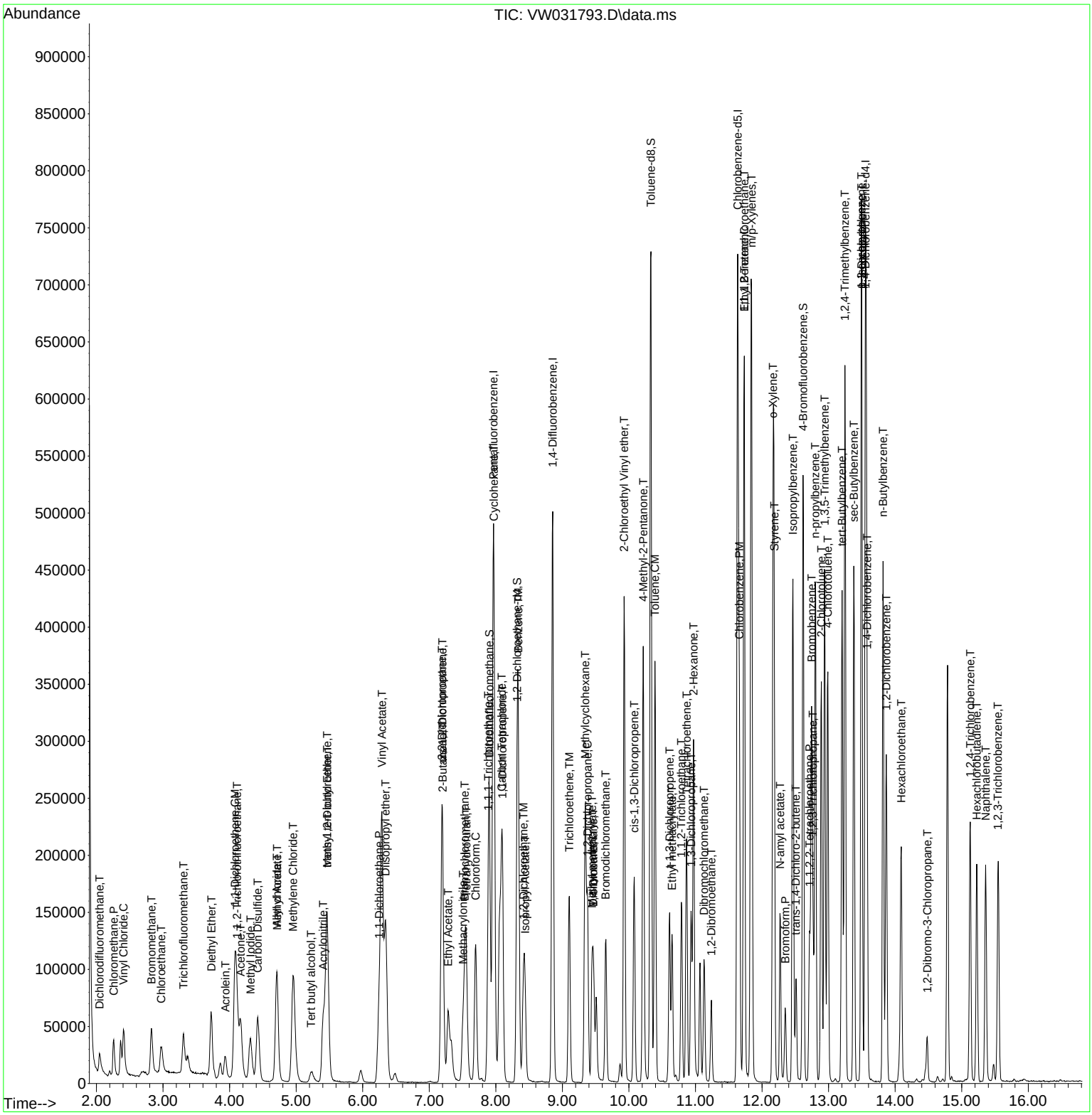
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

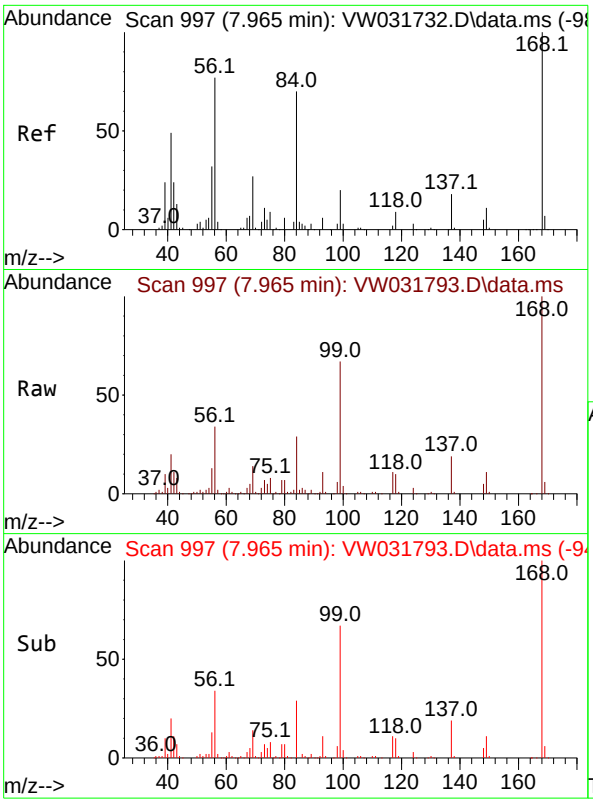
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031793.D
Acq On : 10 Jul 2025 11:05
Operator : SY/MD
Sample : VW0710SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Quant Time: Jul 11 02:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



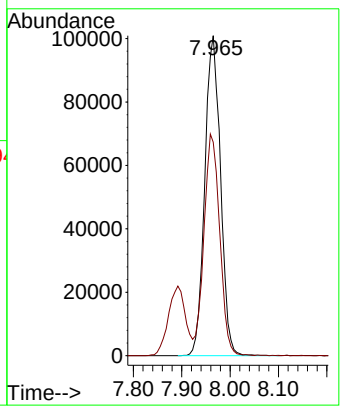


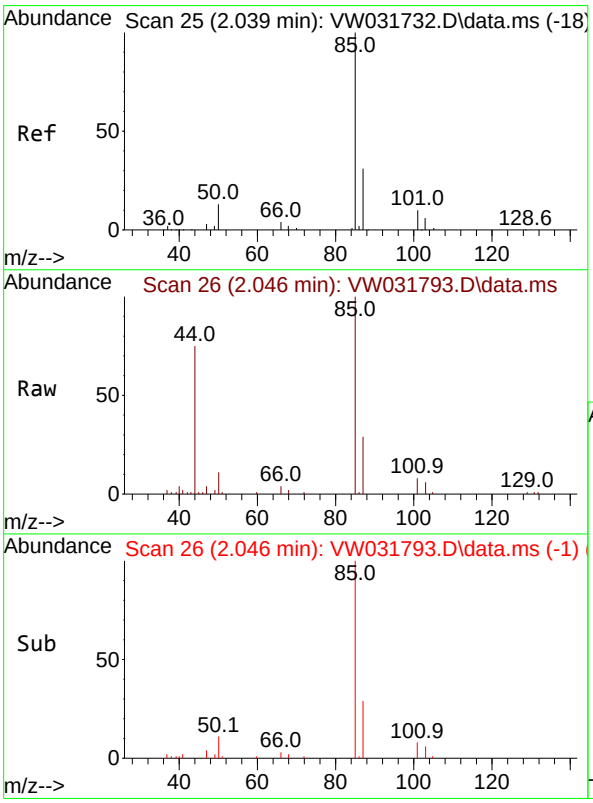
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:168 Resp: 227800

Ion	Ratio	Lower	Upper
168	100		
99	66.6	49.4	74.2

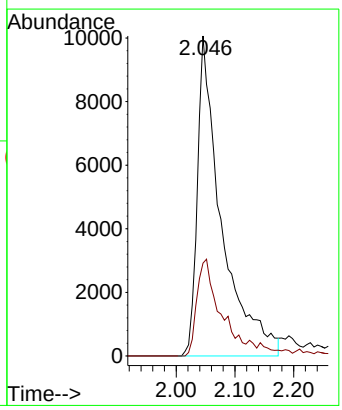


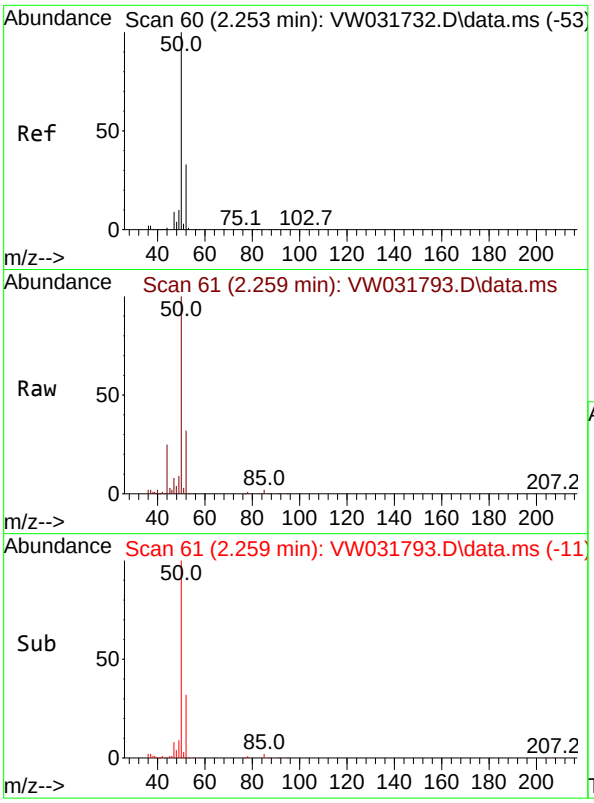


#2
Dichlorodifluoromethane
Concen: 18.481 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 85 Resp: 28672

Ion	Ratio	Lower	Upper
85	100		
87	29.0	15.4	46.2



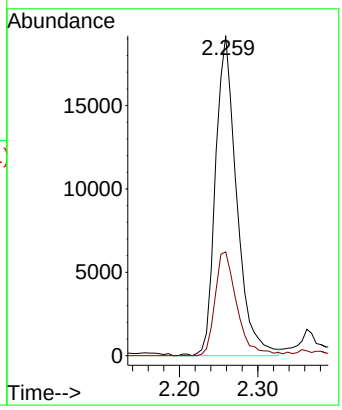


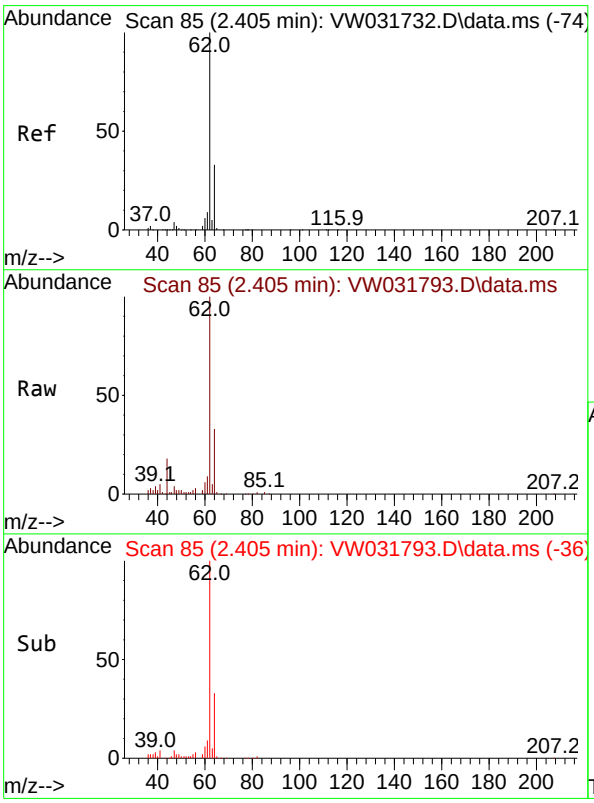
#3
Chloromethane
Concen: 19.318 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 50 Resp: 36132

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.2

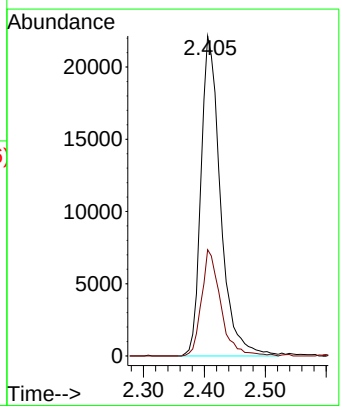


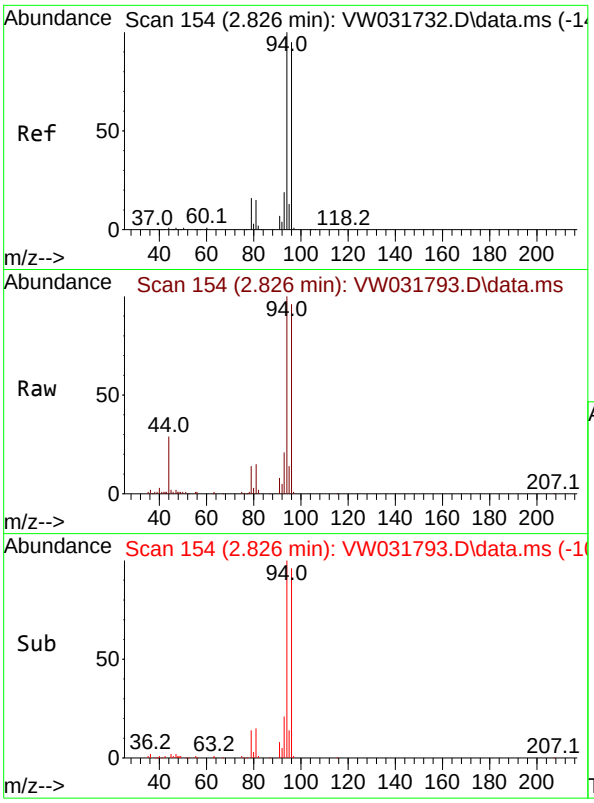


#4
Vinyl Chloride
Concen: 20.060 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 62 Resp: 49314

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.8	40.2



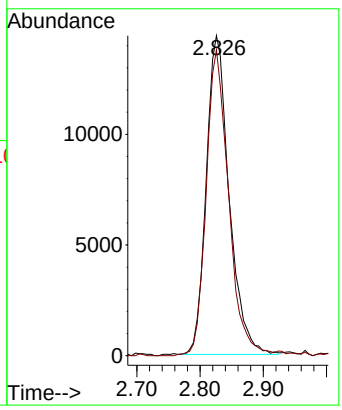


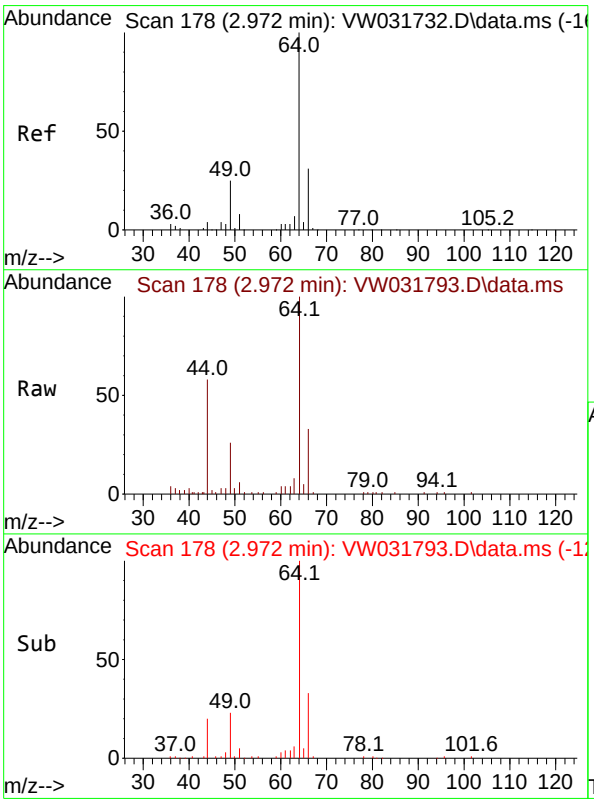
#5
Bromomethane
Concen: 18.843 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 94 Resp: 36183

Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.6	113.4

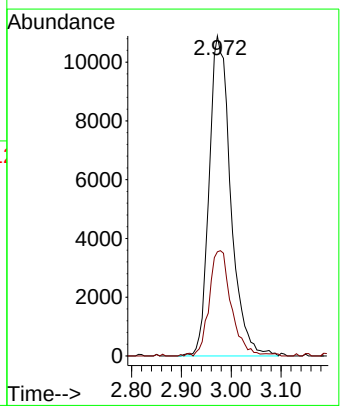


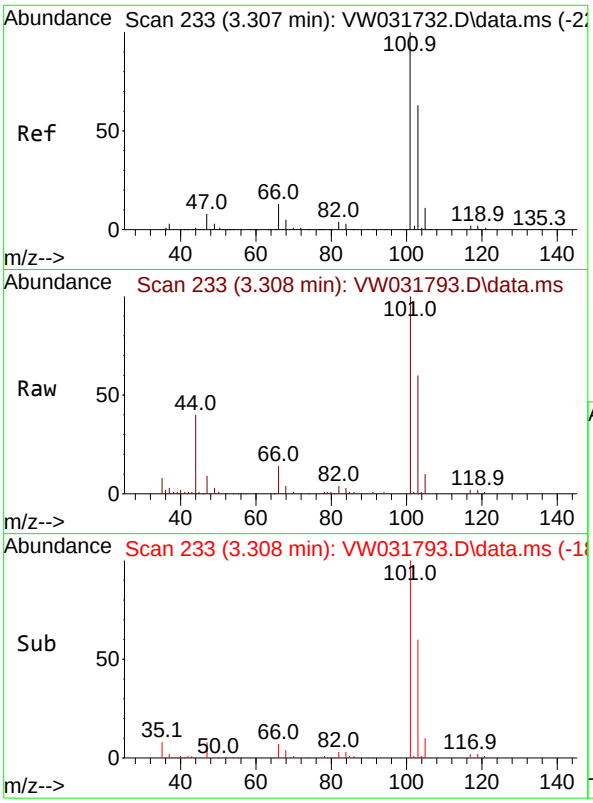


#6
Chloroethane
Concen: 19.587 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 64 Resp: 32708

Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.5	36.7



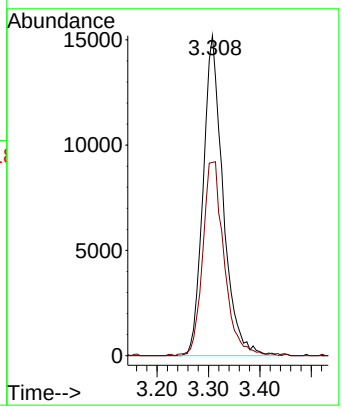


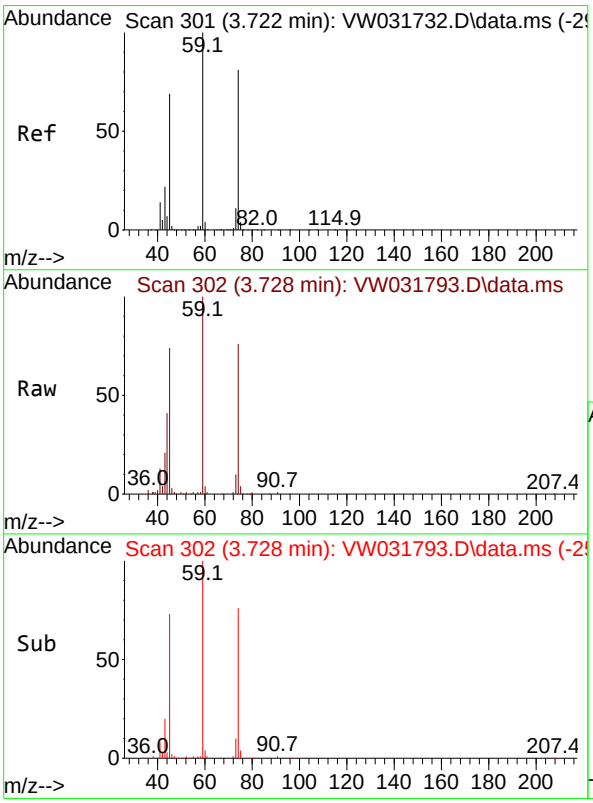
#7
Trichlorofluoromethane
Concen: 18.295 ug/l
RT: 3.308 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:101 Resp: 40846

Ion	Ratio	Lower	Upper
101	100		
103	60.0	50.2	75.4

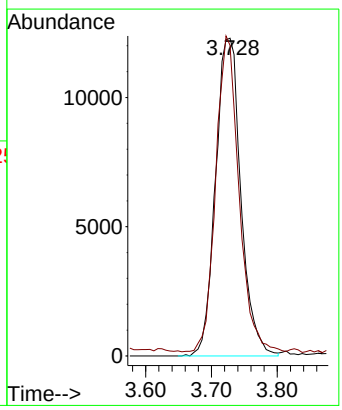


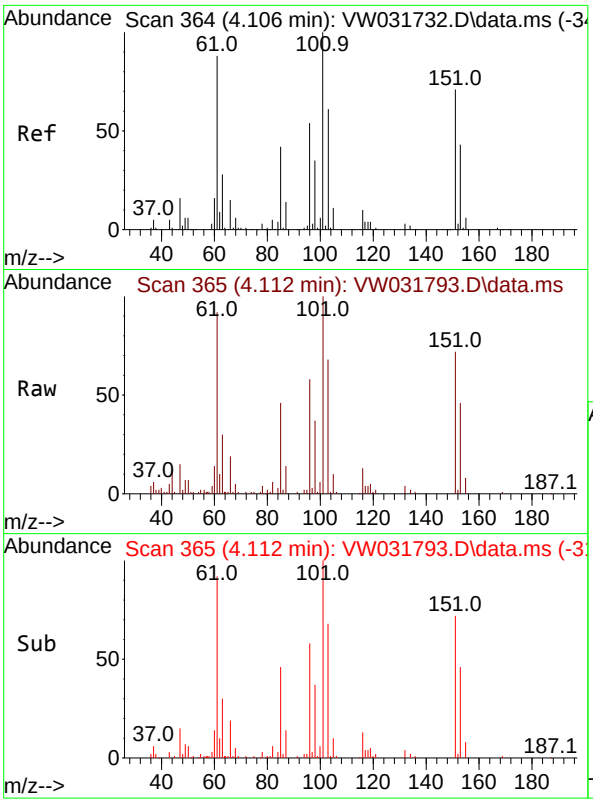


#8
Diethyl Ether
Concen: 19.431 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 74 Resp: 32965

Ion	Ratio	Lower	Upper
74	100		
45	90.5	43.9	131.7



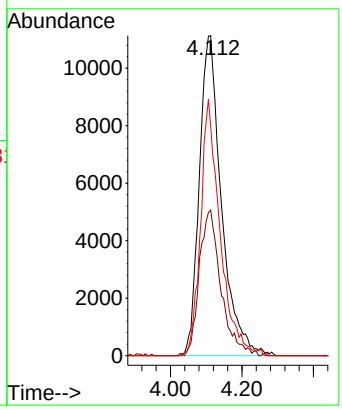


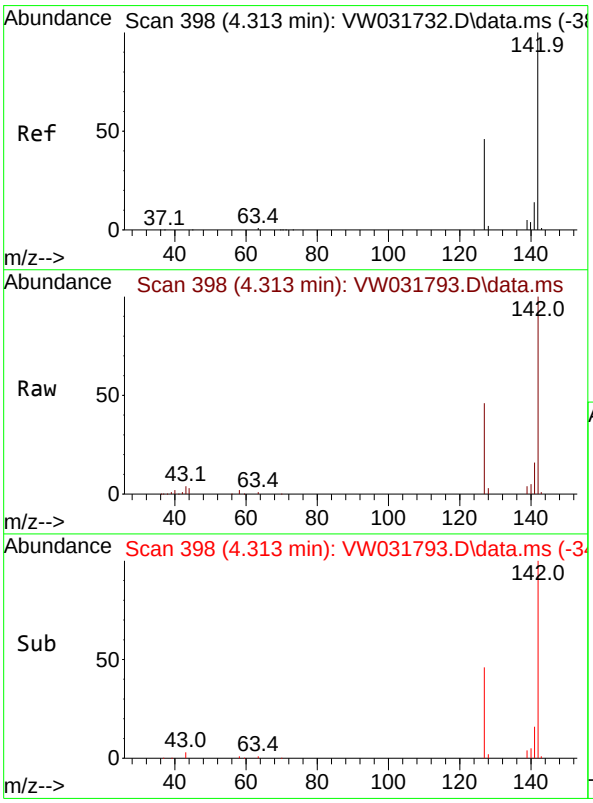
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.315 ug/l
RT: 4.112 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:101 Resp: 47864

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.6	53.4
151	70.4	56.8	85.2

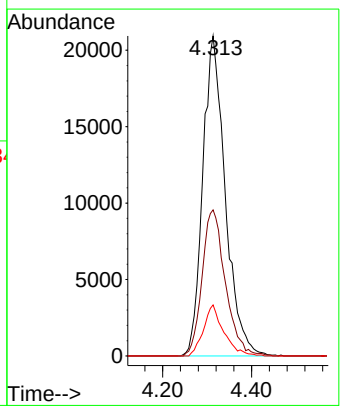


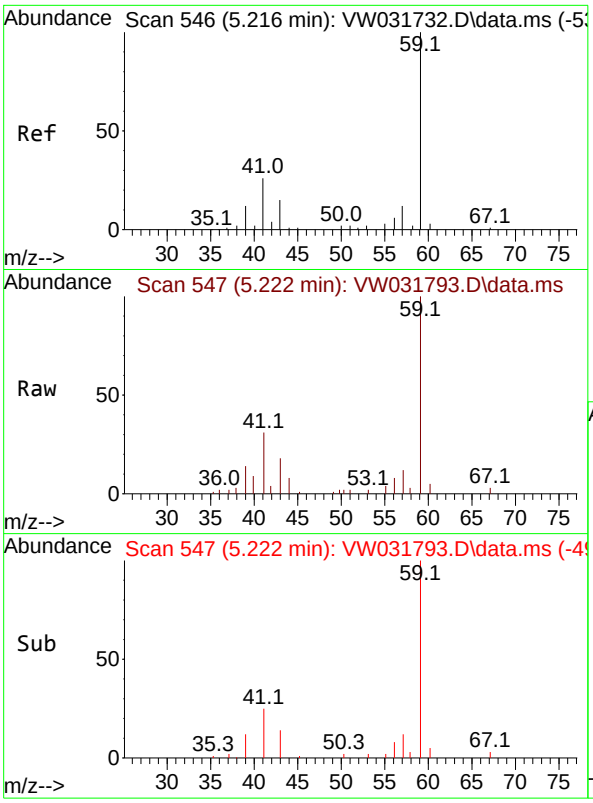


#10
Methyl Iodide
Concen: 19.306 ug/l
RT: 4.313 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:142 Resp: 73757

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.9	56.9
141	14.4	11.7	17.5



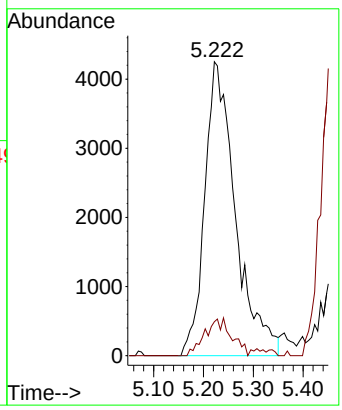


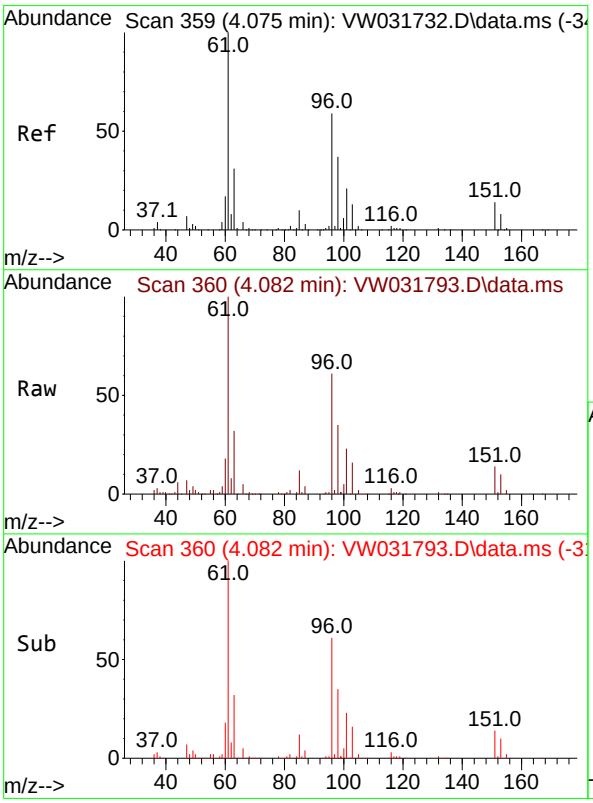
#11
Tert butyl alcohol
Concen: 89.964 ug/l
RT: 5.222 min Scan# 54
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 59 Resp: 18221

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.5	14.3

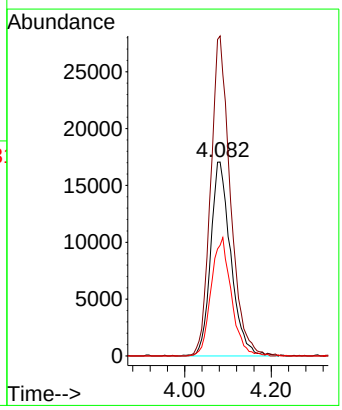


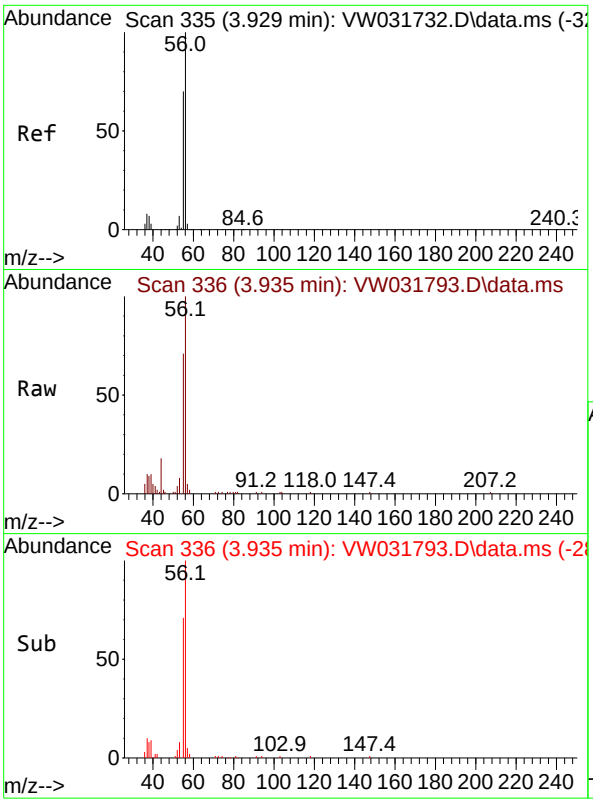


#12
1,1-Dichloroethene
Concen: 20.236 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 96 Resp: 54927

Ion	Ratio	Lower	Upper
96	100		
61	165.1	135.8	203.8
98	57.1	50.4	75.6



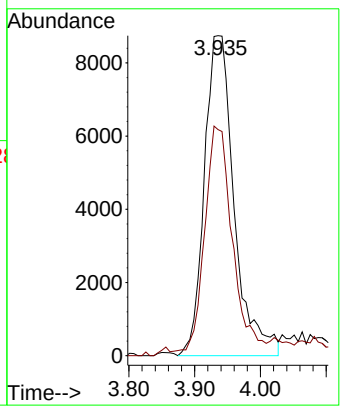


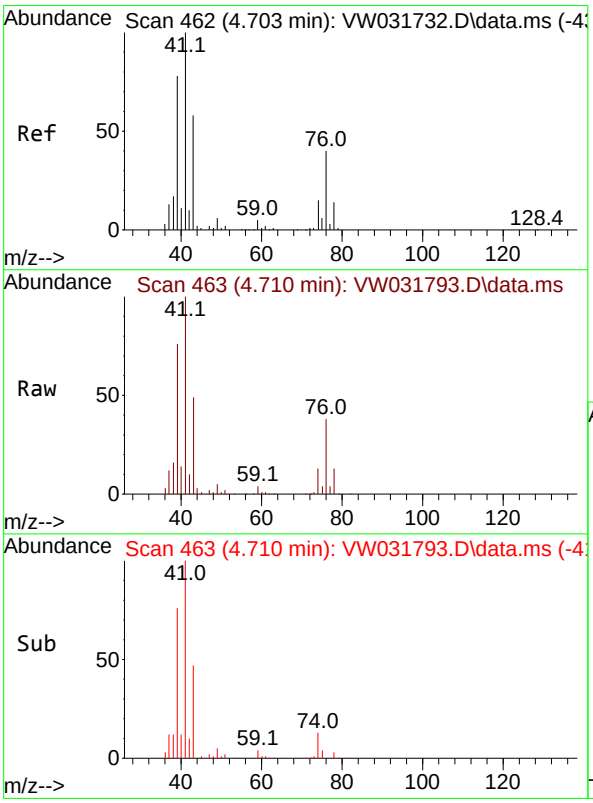
#13
Acrolein
Concen: 75.707 ug/l
RT: 3.935 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 56 Resp: 27559

Ion	Ratio	Lower	Upper
56	100		
55	64.9	54.0	81.0

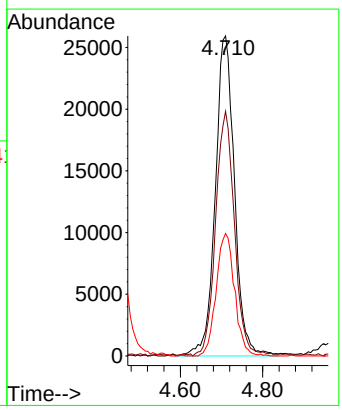


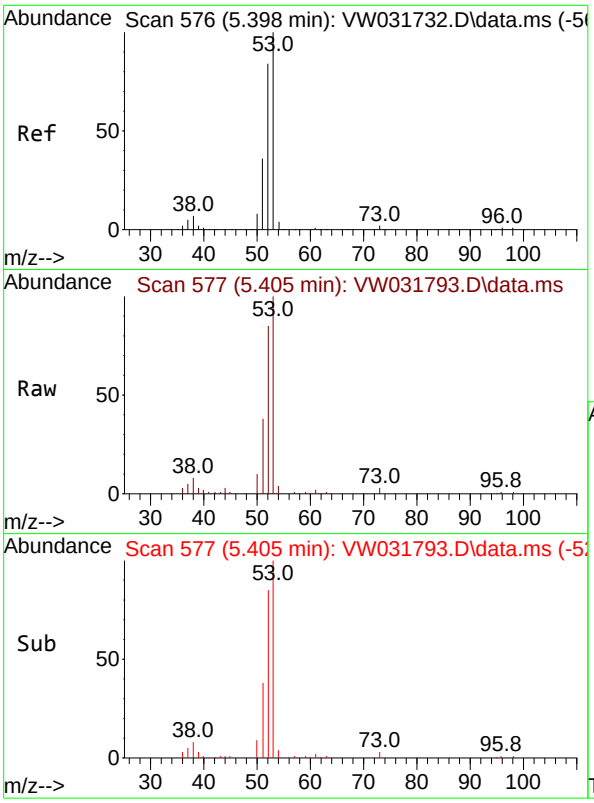


#14
Allyl chloride
Concen: 20.212 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 41 Resp: 84175

Ion	Ratio	Lower	Upper
41	100		
39	74.0	60.7	91.1
76	36.8	30.3	45.5



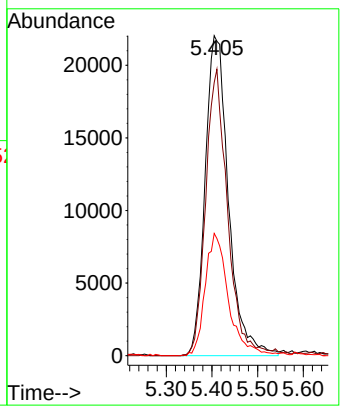


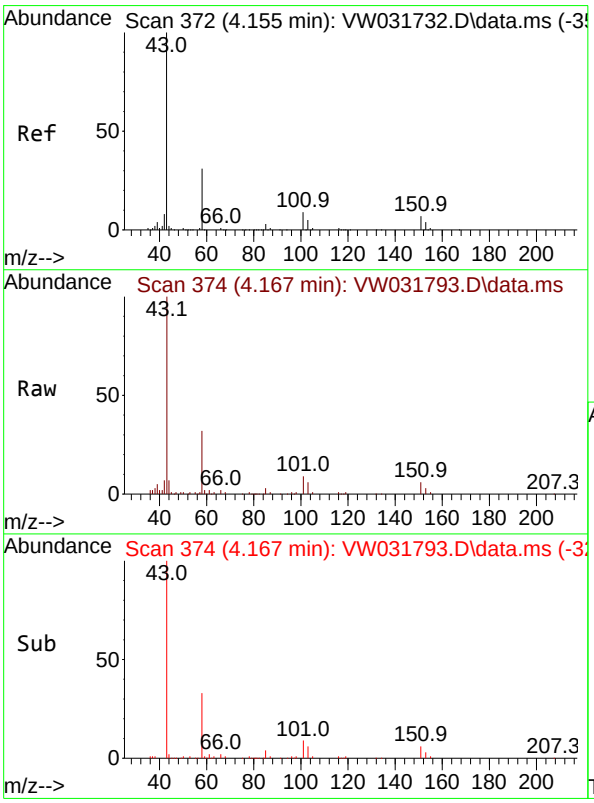
#15
Acrylonitrile
Concen: 93.899 ug/l
RT: 5.405 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 53 Resp: 78337

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.4	99.6
51	38.1	29.9	44.9

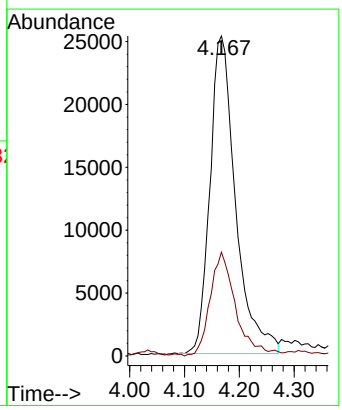


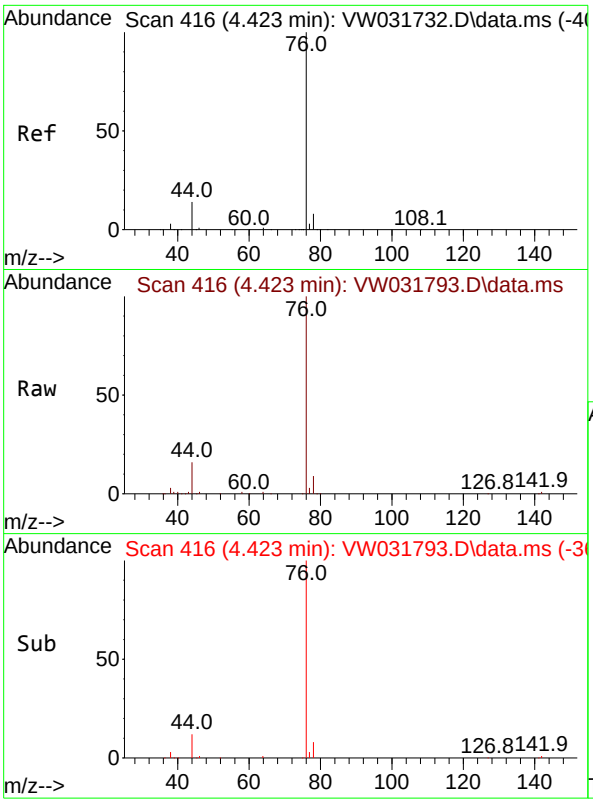


#16
Acetone
Concen: 101.550 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 82057

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.8	37.2



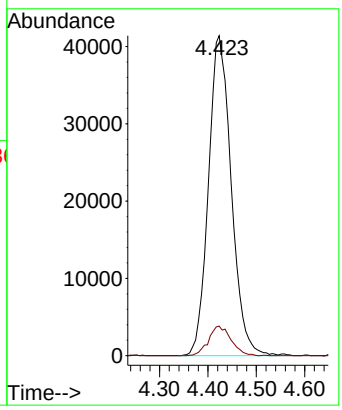


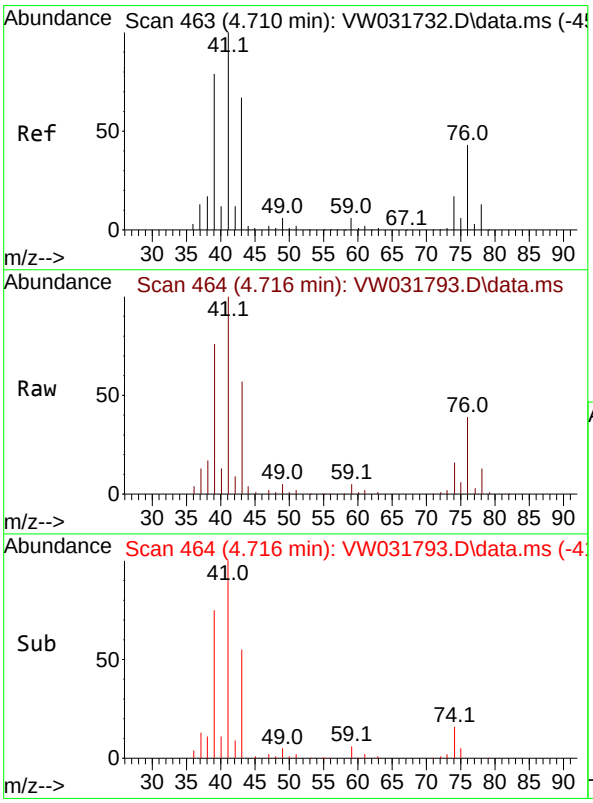
#17
Carbon Disulfide
Concen: 18.674 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 76 Resp: 135639

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.6	10.0

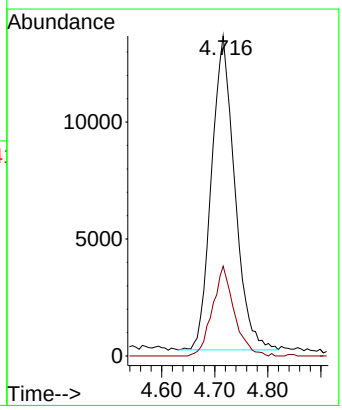


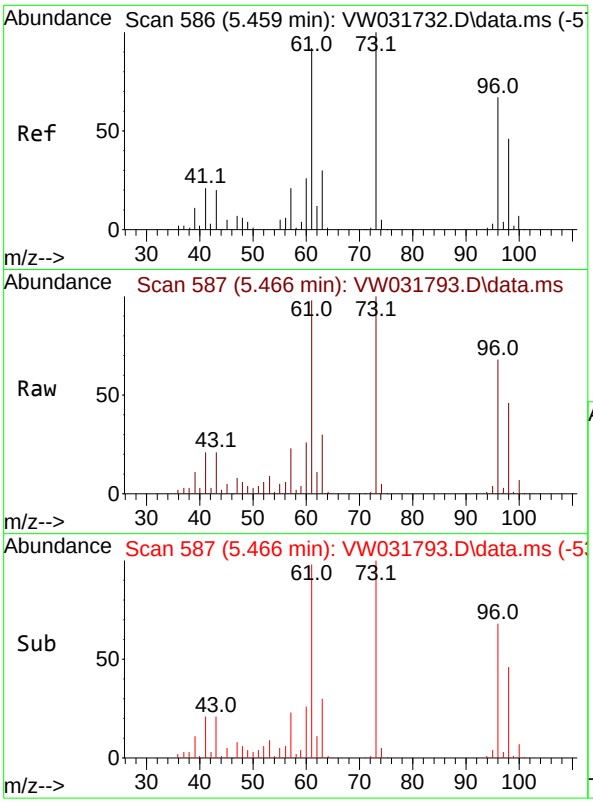


#18
Methyl Acetate
Concen: 17.745 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 40980

Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.6	30.8



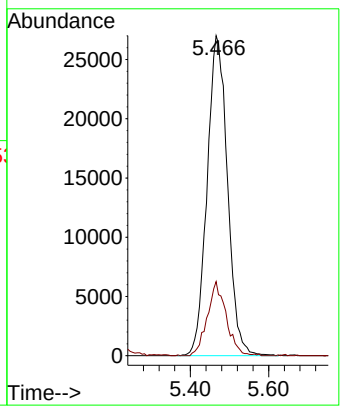


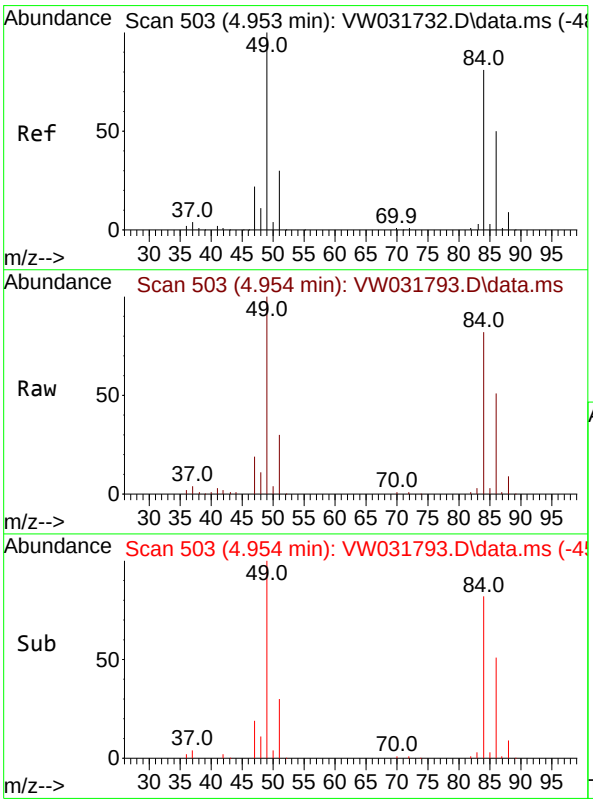
#19
Methyl tert-butyl Ether
Concen: 21.153 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 73 Resp: 97453

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.2	25.8

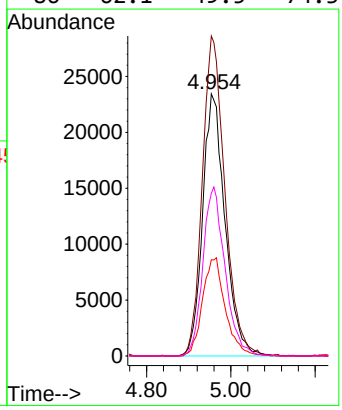


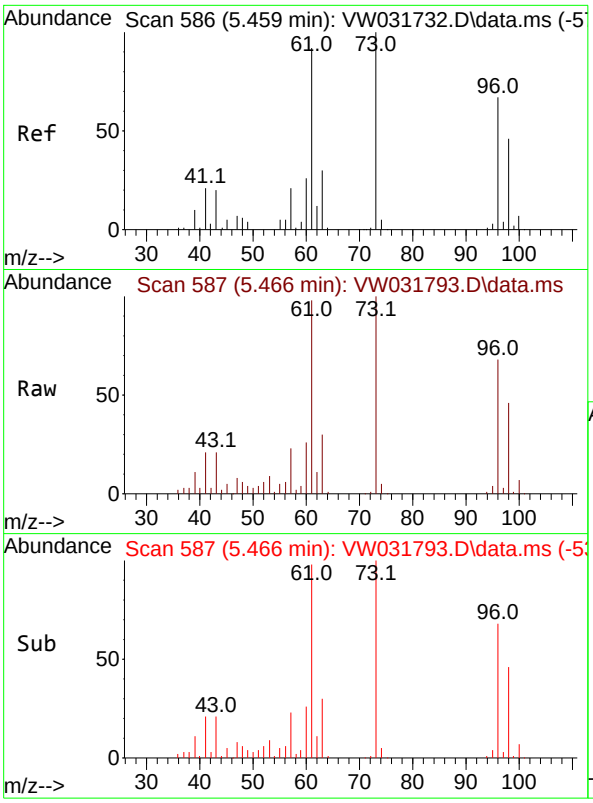


#20
Methylene Chloride
Concen: 24.344 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 84 Resp: 86741

Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.2	147.4
51	36.7	29.8	44.8
86	62.1	49.5	74.3



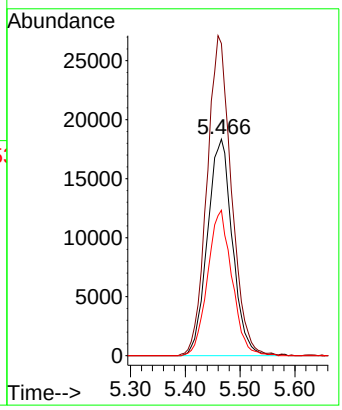


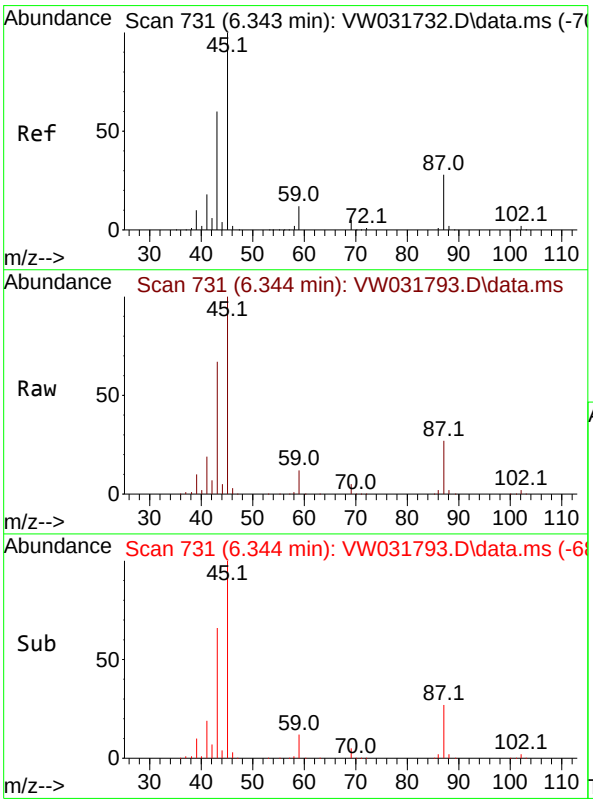
#21
trans-1,2-Dichloroethene
Concen: 20.080 ug/l
RT: 5.466 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 96 Resp: 57914

Ion	Ratio	Lower	Upper
96	100		
61	144.2	109.8	164.6
98	67.2	54.9	82.3

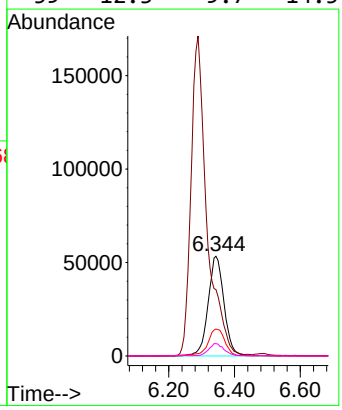


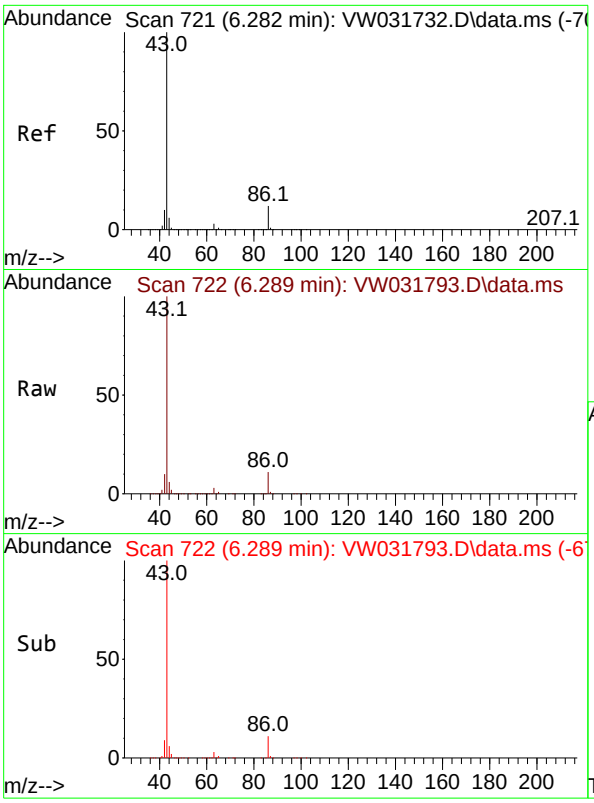


#22
Diisopropyl ether
Concen: 22.036 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 45 Resp: 178983

Ion	Ratio	Lower	Upper
45	100		
43	66.0	48.3	72.5
87	27.0	22.6	34.0
59	12.3	9.7	14.5



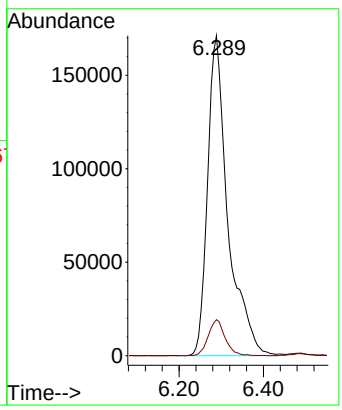


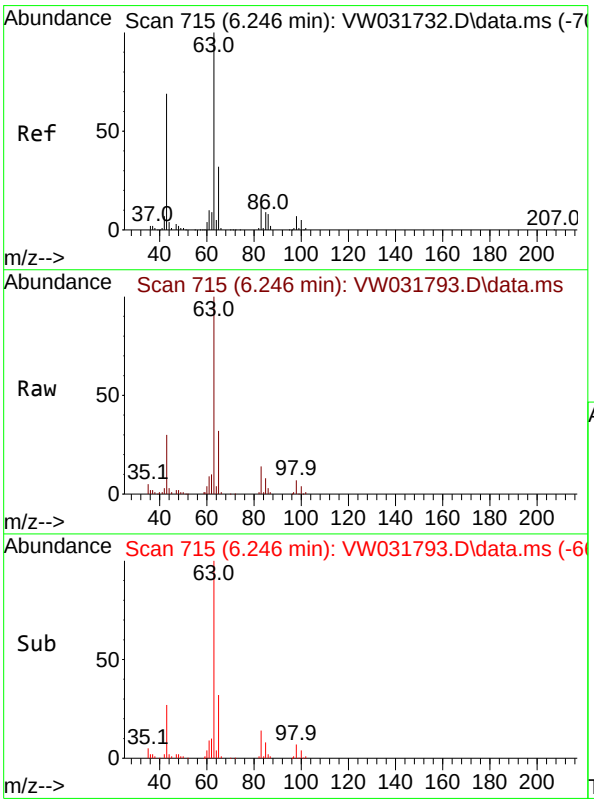
#23
Vinyl Acetate
Concen: 103.404 ug/l
RT: 6.289 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 573681

Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.2	13.8

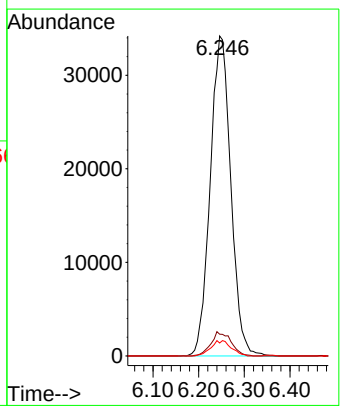


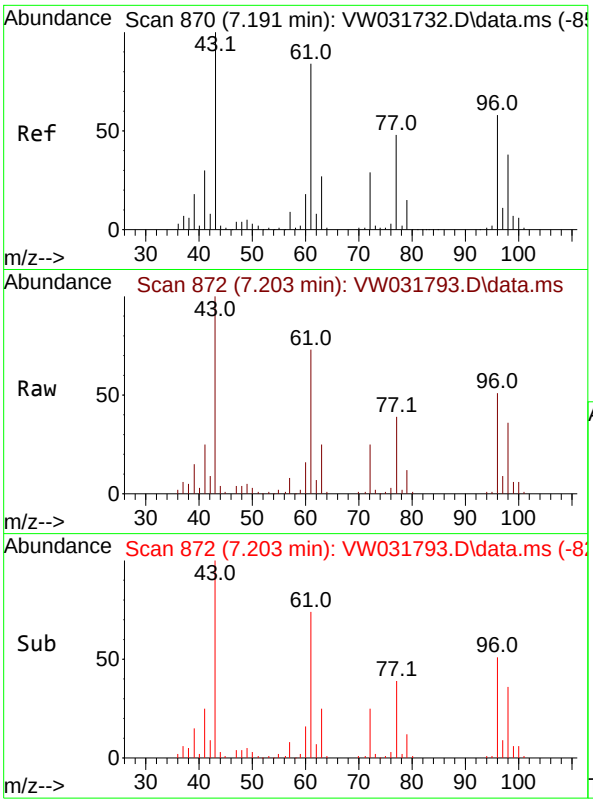


#24
1,1-Dichloroethane
Concen: 20.333 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 63 Resp: 107072

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.1	2.5	7.5



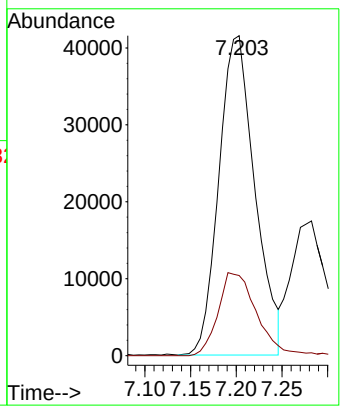


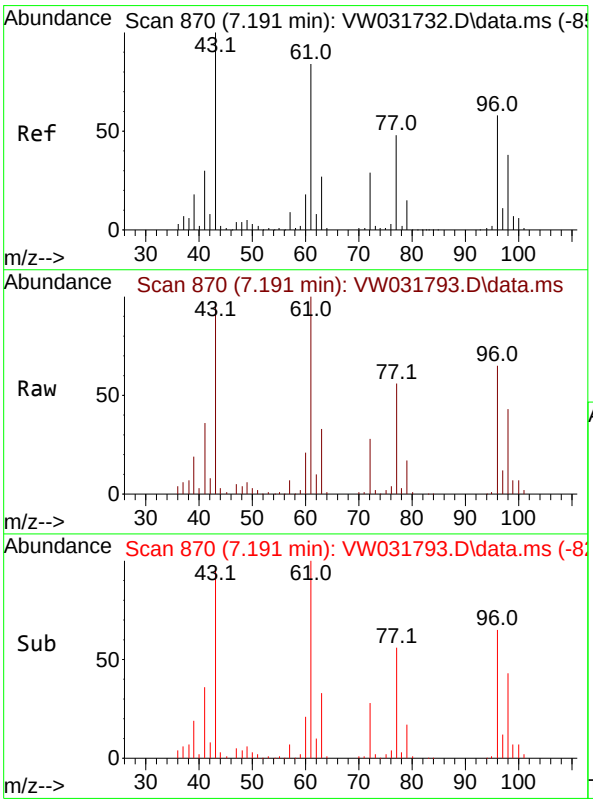
#25
2-Butanone
Concen: 108.215 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 113760

Ion	Ratio	Lower	Upper
43	100		
72	25.1	23.0	34.6

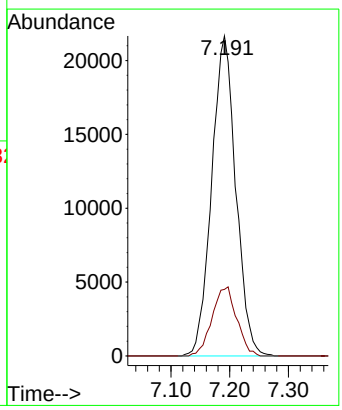


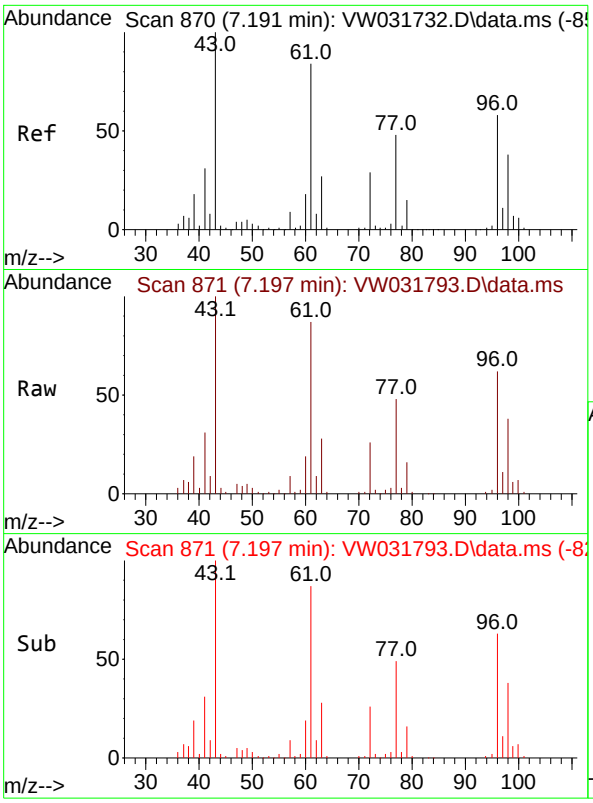


#26
2,2-Dichloropropane
Concen: 20.117 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 77 Resp: 61808

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.6	34.7



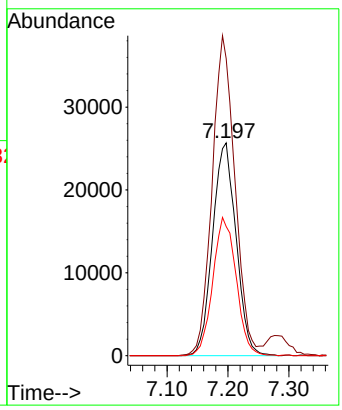


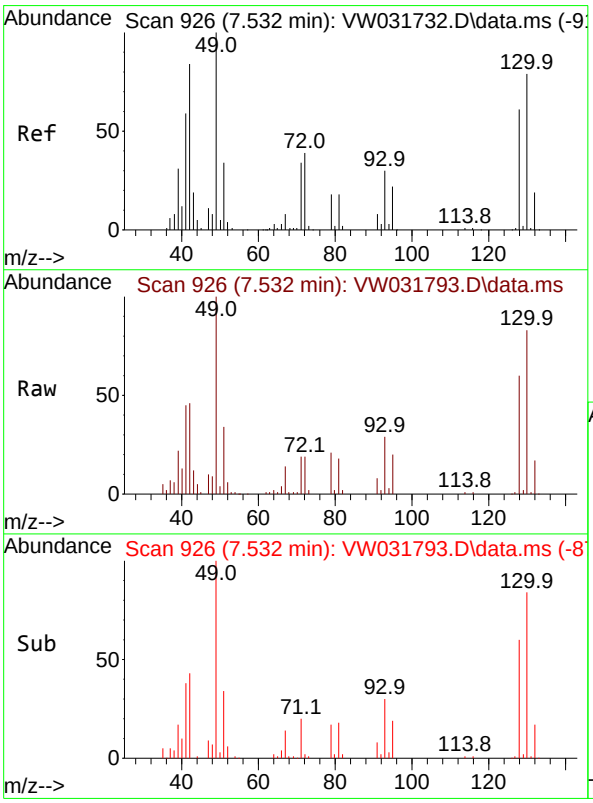
#27
cis-1,2-Dichloroethene
Concen: 20.767 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 96 Resp: 68850

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	286.8
98	64.6	0.0	130.4

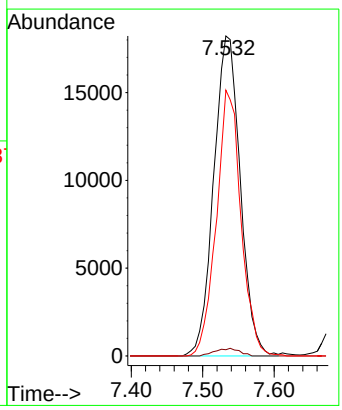


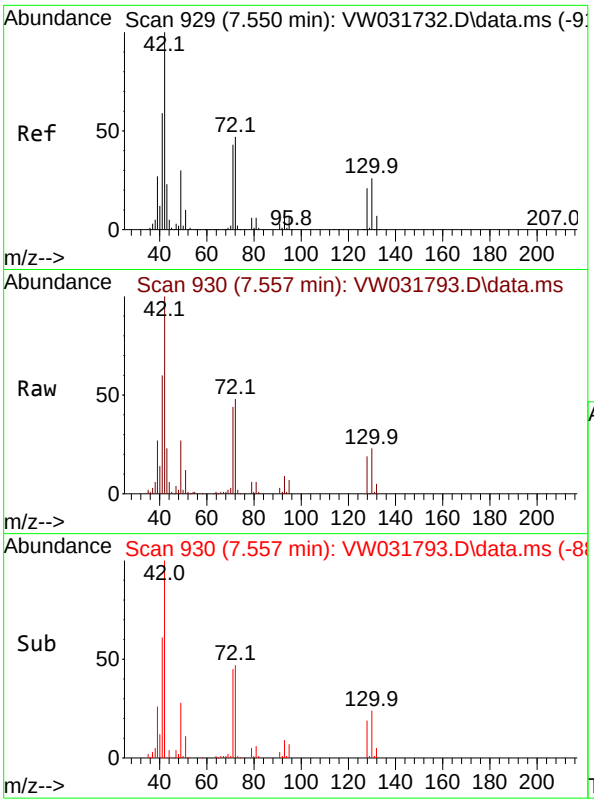


#28
Bromochloromethane
Concen: 20.197 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 49 Resp: 46935

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	77.2	61.3	91.9



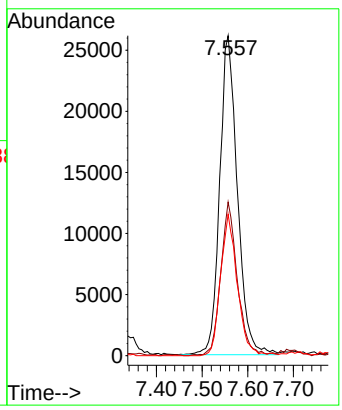


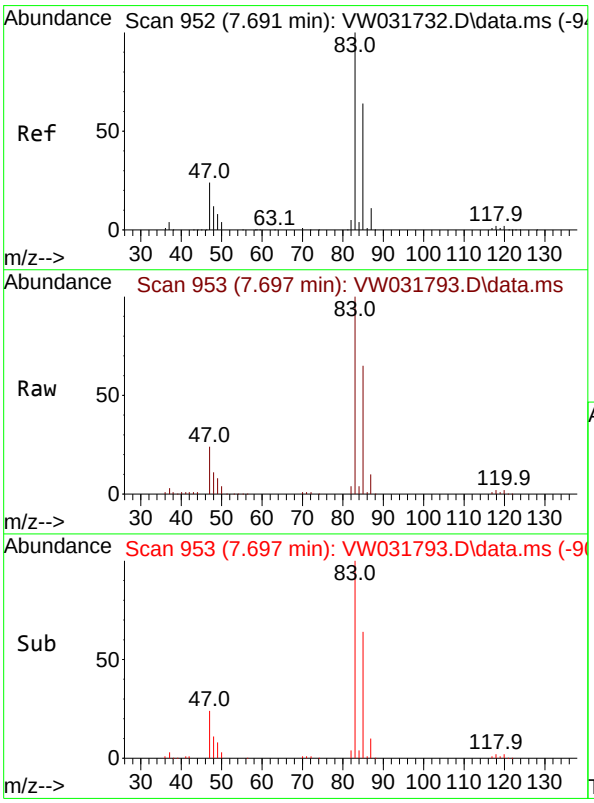
#29
Tetrahydrofuran
Concen: 97.711 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 42 Resp: 70344

Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.8	55.2
71	41.7	34.6	52.0

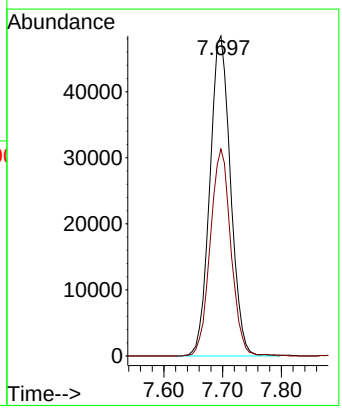


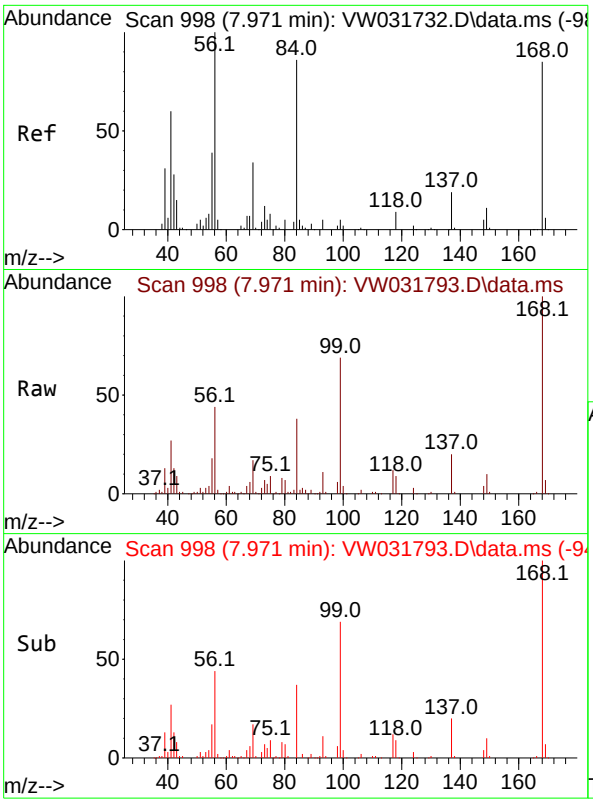


#30
Chloroform
Concen: 21.182 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 83 Resp: 118527

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0



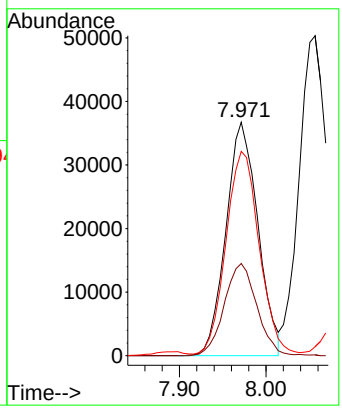


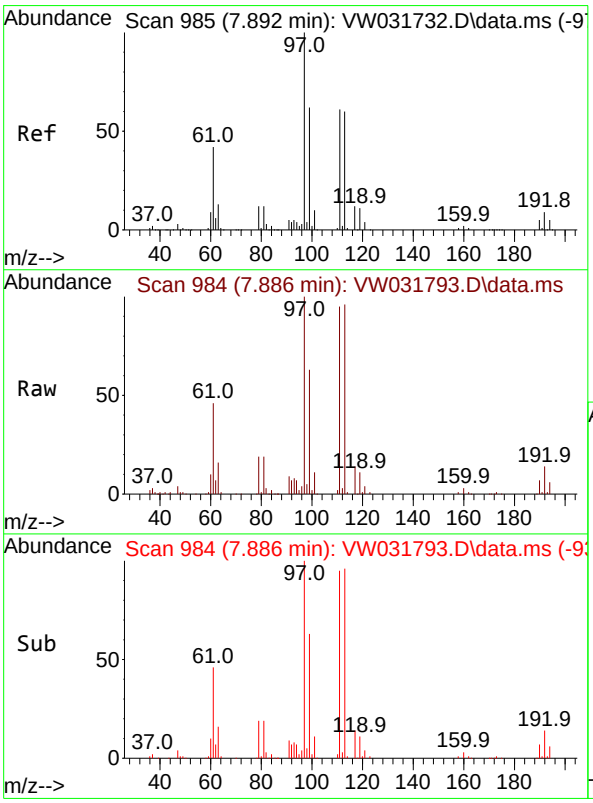
#31
Cyclohexane
Concen: 20.229 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 56 Resp: 94163

Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.2	40.8
84	85.9	68.5	102.7

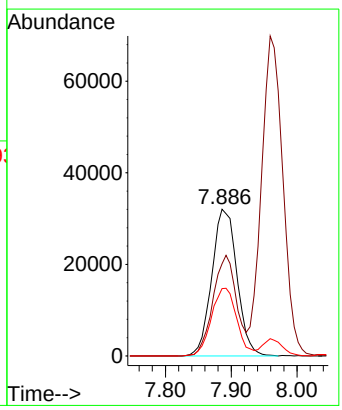


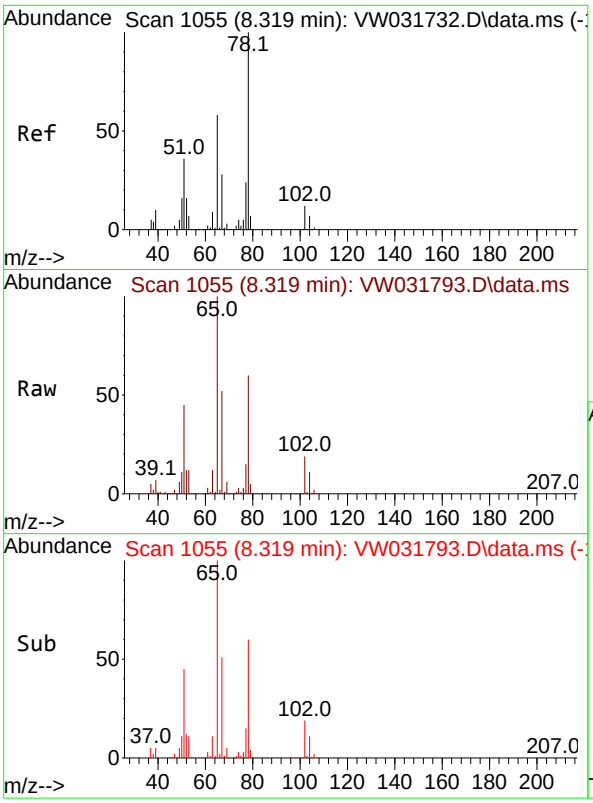


#32
1,1,1-Trichloroethane
Concen: 19.778 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 97 Resp: 85287

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	46.5	36.0	54.0



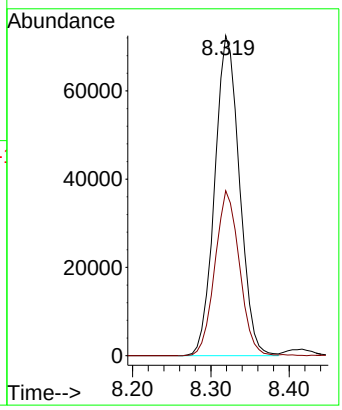


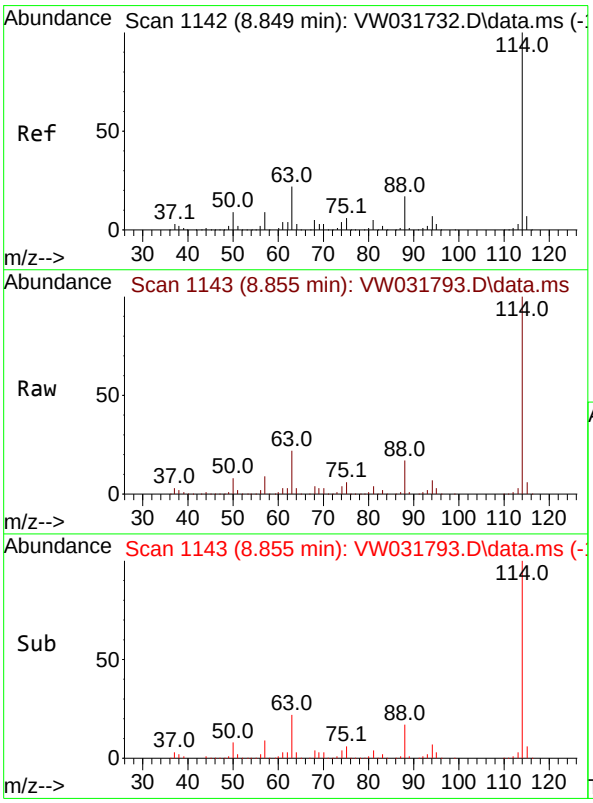
#33
1,2-Dichloroethane-d4
Concen: 48.786 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 65 Resp: 159491

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.4

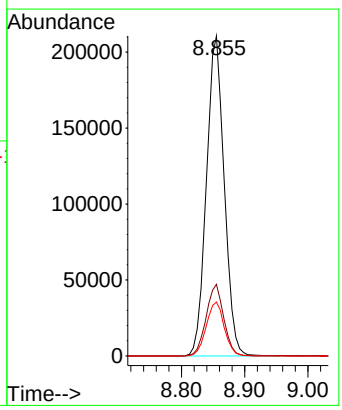


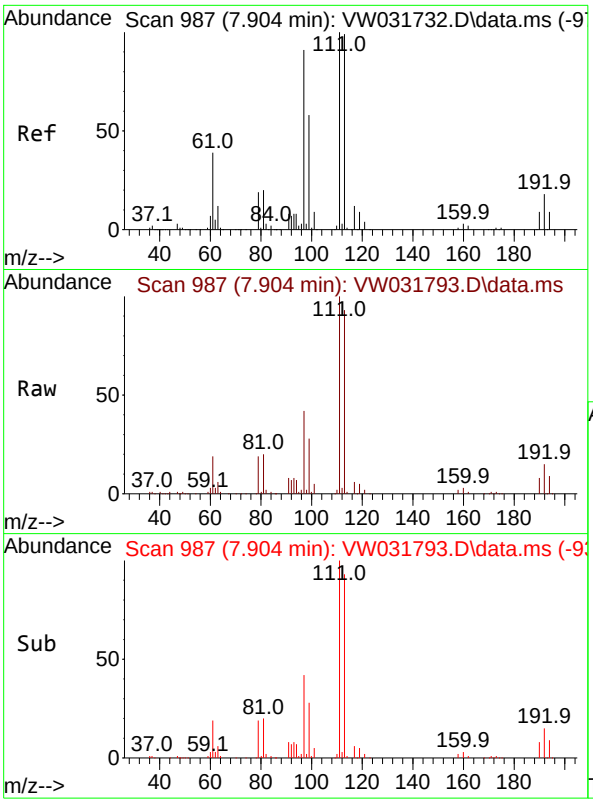


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:114 Resp: 411611

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.6
88	16.9	0.0	34.2



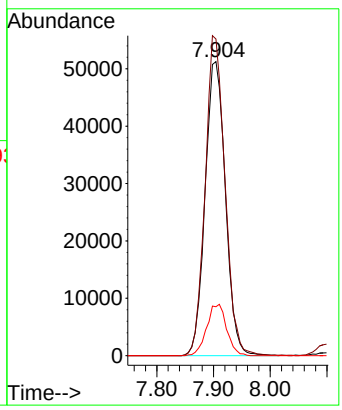


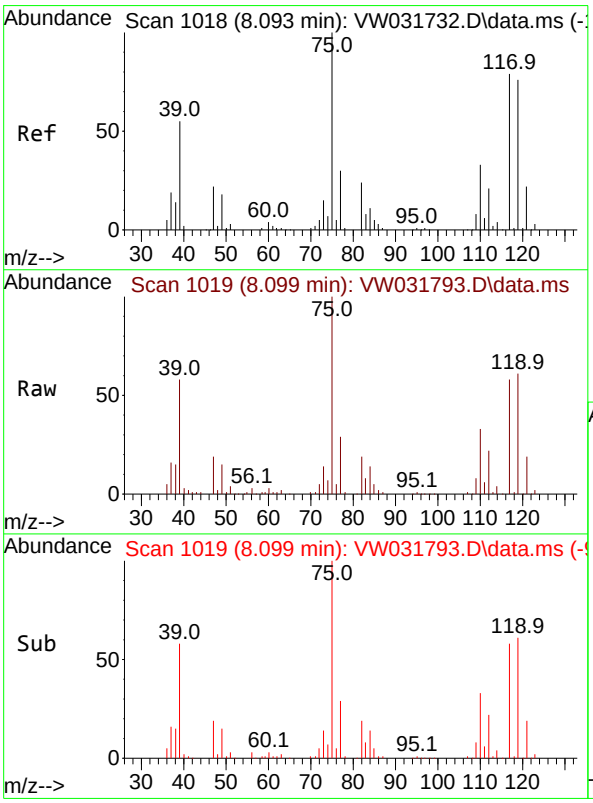
#35
Dibromofluoromethane
Concen: 47.578 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:113 Resp: 127793

Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.1	123.1
192	17.1	13.8	20.6

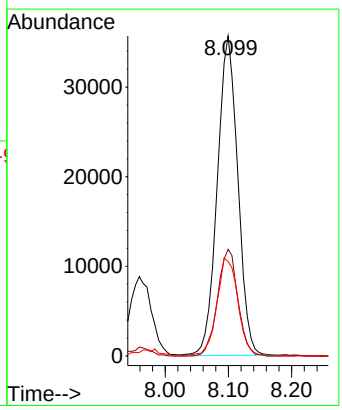


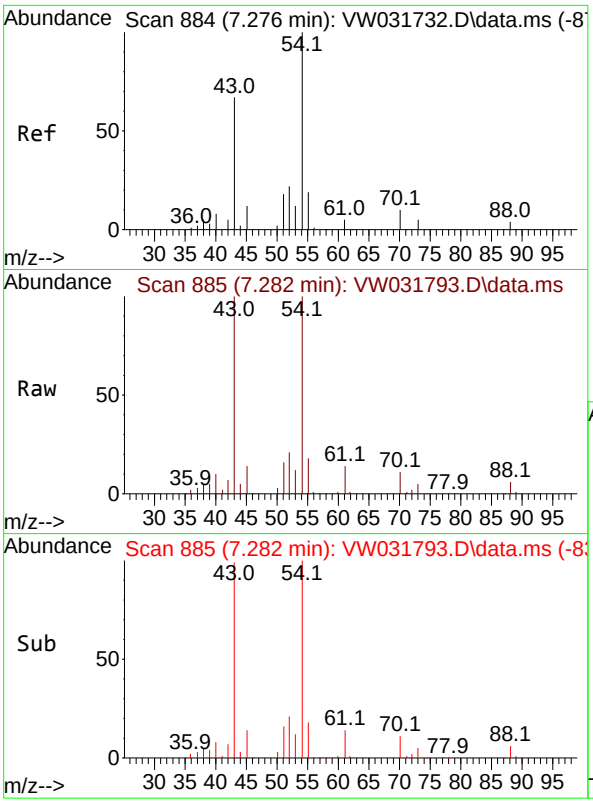


#36
1,1-Dichloropropene
Concen: 20.643 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 80231

Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.8	50.4
77	31.5	25.0	37.6



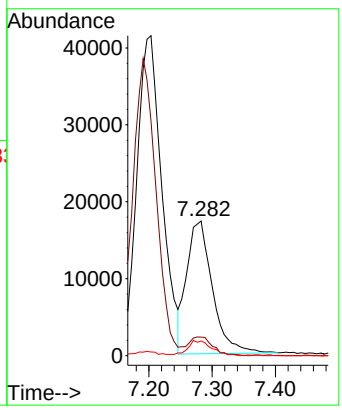


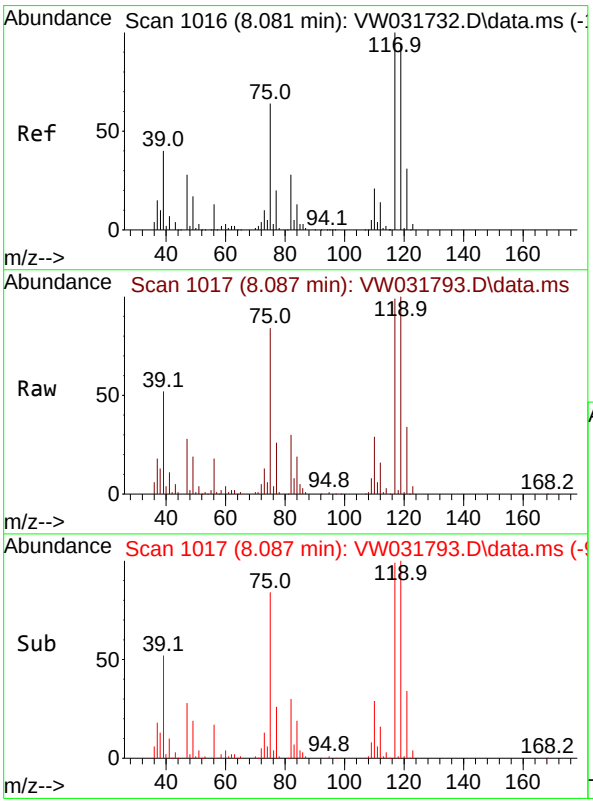
#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 7.282 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 49109

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	10.3	9.2	13.8

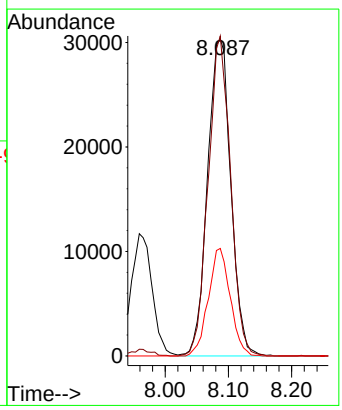


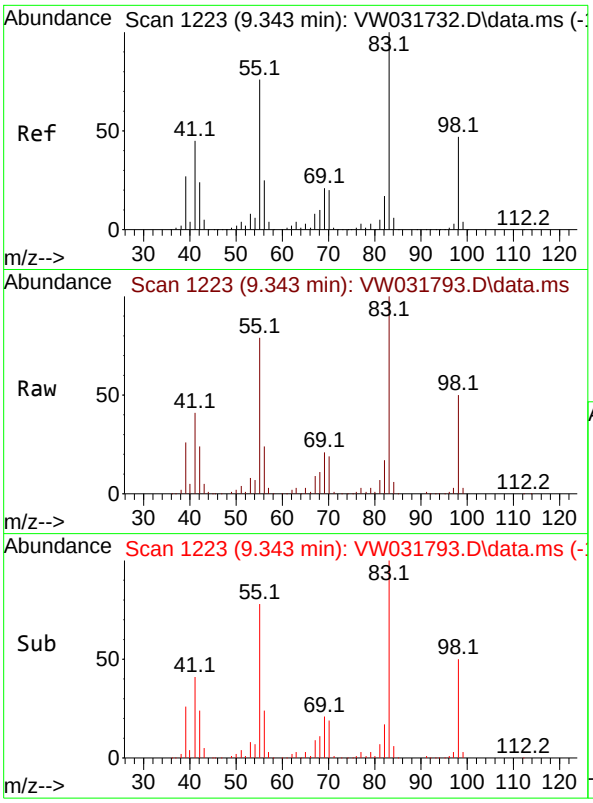


#38
Carbon Tetrachloride
Concen: 19.590 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:117 Resp: 77589

Ion	Ratio	Lower	Upper
117	100		
119	100.9	75.0	112.6
121	33.9	24.6	37.0



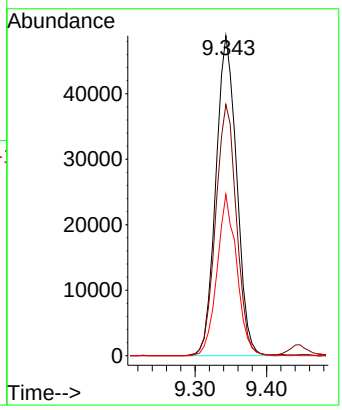


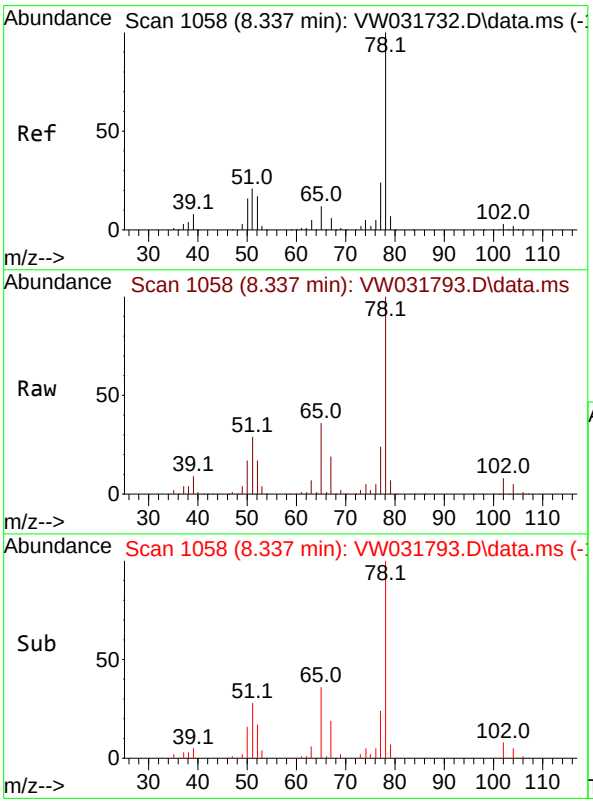
#39
Methylcyclohexane
Concen: 20.397 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 83 Resp: 98634

Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	50.4	37.9	56.9

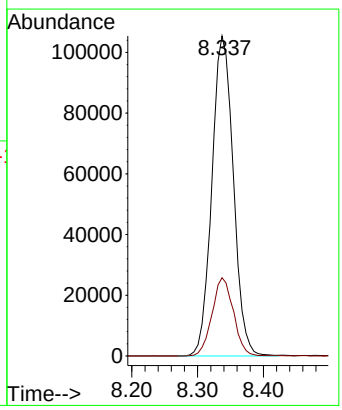


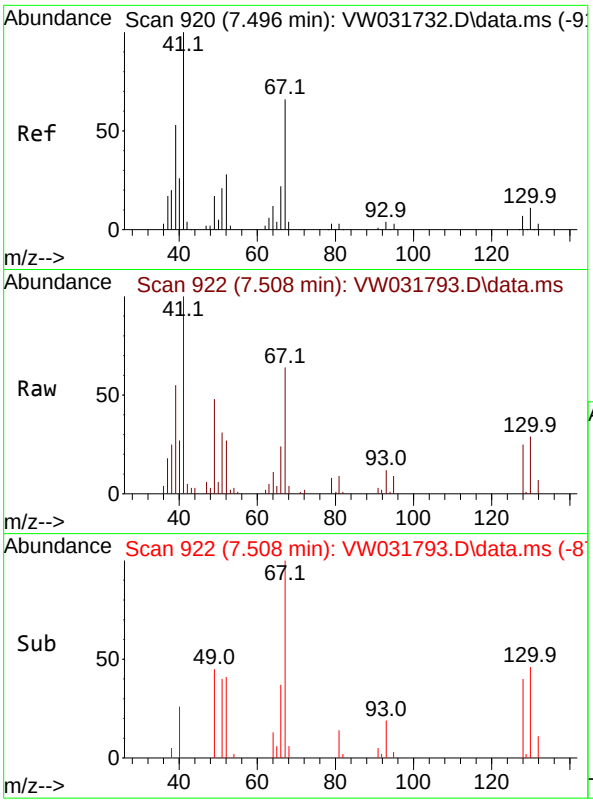


#40
Benzene
Concen: 20.830 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 78 Resp: 239525

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8



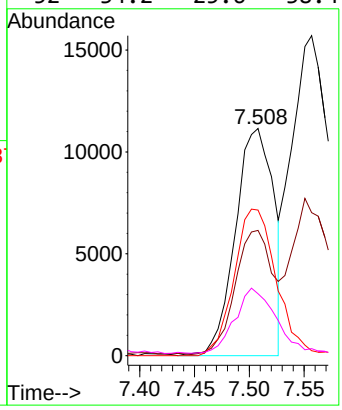


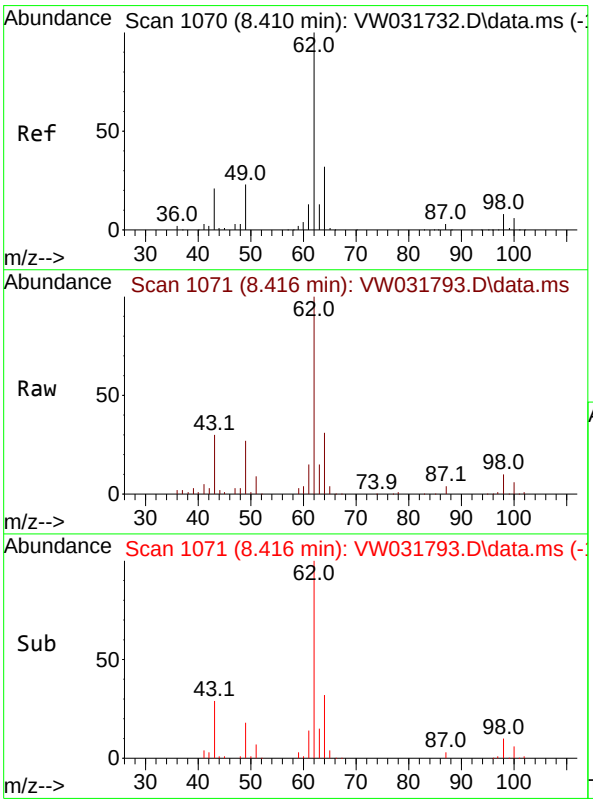
#41
Methacrylonitrile
Concen: 20.644 ug/l
RT: 7.508 min Scan# 9
Delta R.T. 0.012 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 41 Resp: 27114

Ion	Ratio	Lower	Upper
41	100		
39	53.6	43.2	64.8
67	71.3	58.1	87.1
52	34.2	25.6	38.4

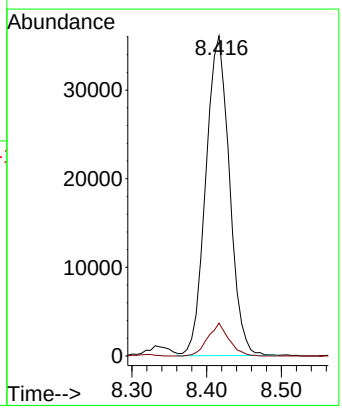


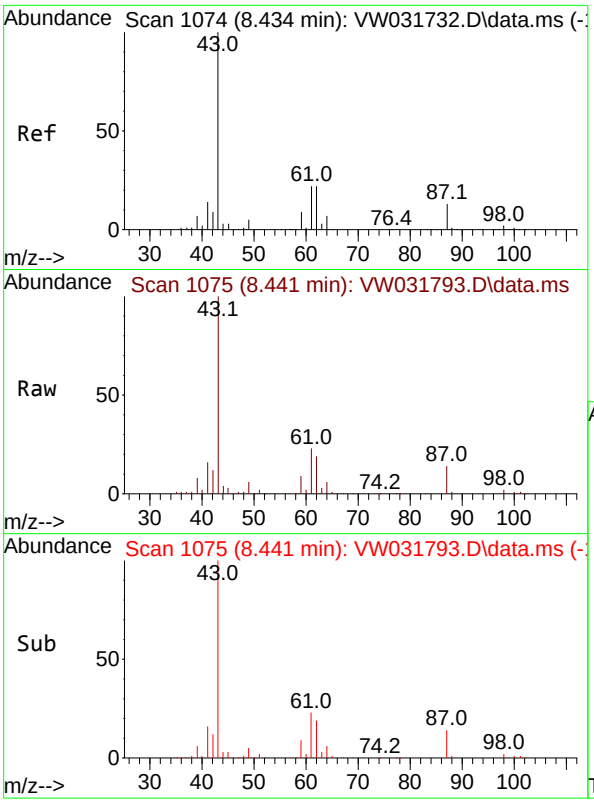


#42
1,2-Dichloroethane
Concen: 20.448 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 62 Resp: 79451

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2



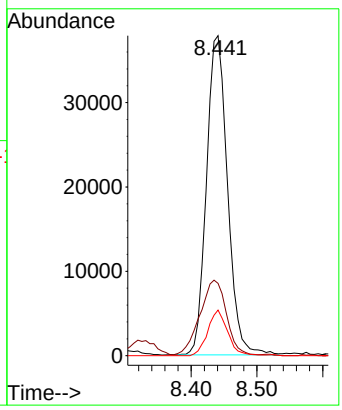


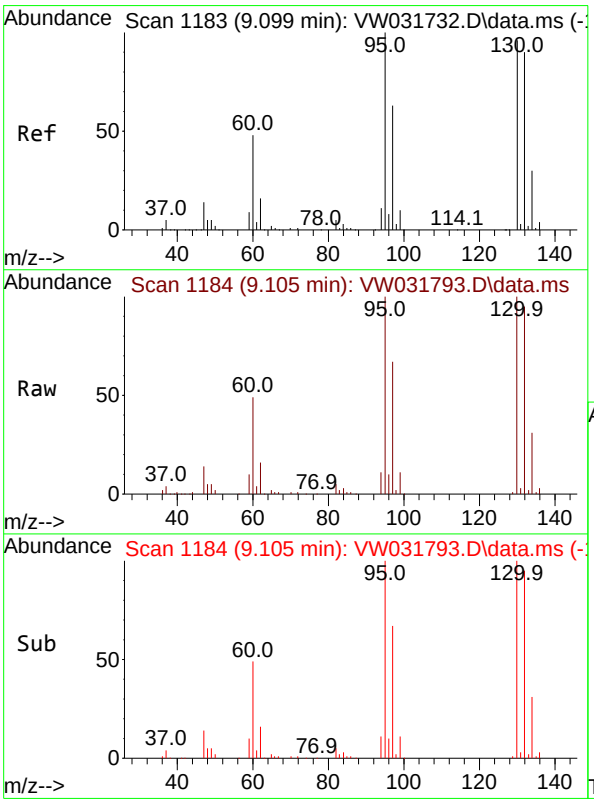
#43
Isopropyl Acetate
Concen: 19.959 ug/l
RT: 8.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 84356

Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.1	34.7
87	13.5	10.8	16.2

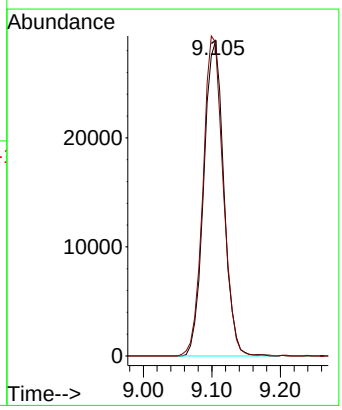


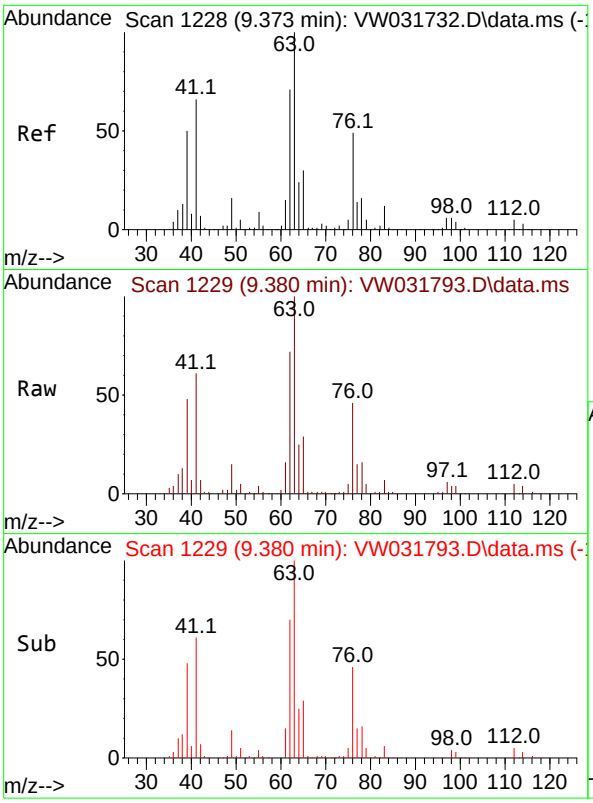


#44
Trichloroethene
Concen: 20.438 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:130 Resp: 58660

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	208.6



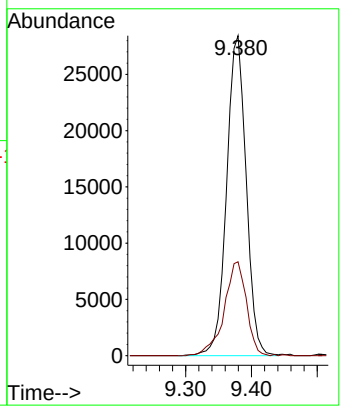


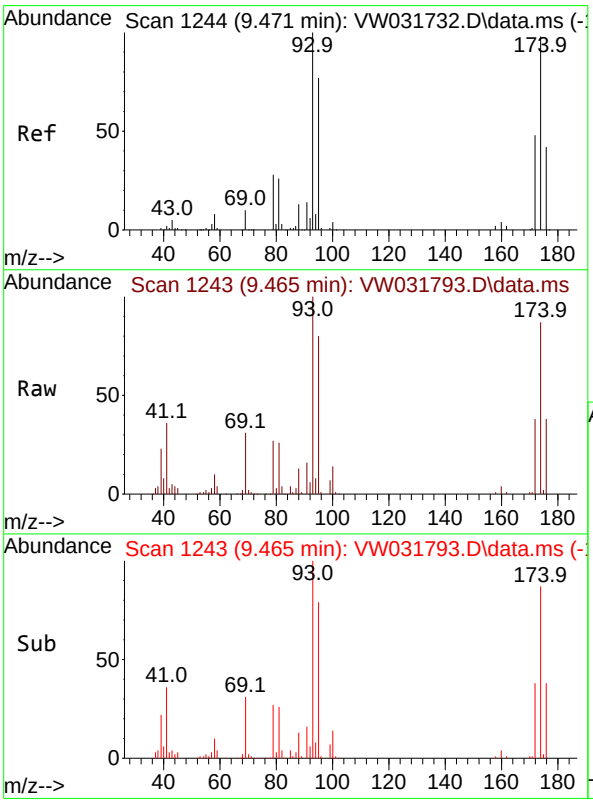
#45
1,2-Dichloropropane
Concen: 21.145 ug/l
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 63 Resp: 58767

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.2	36.4

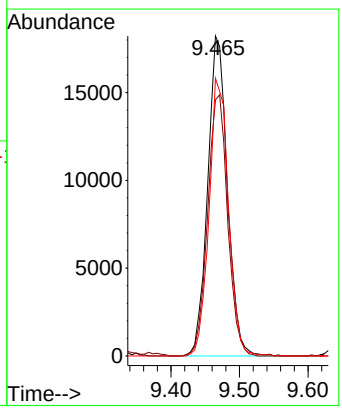


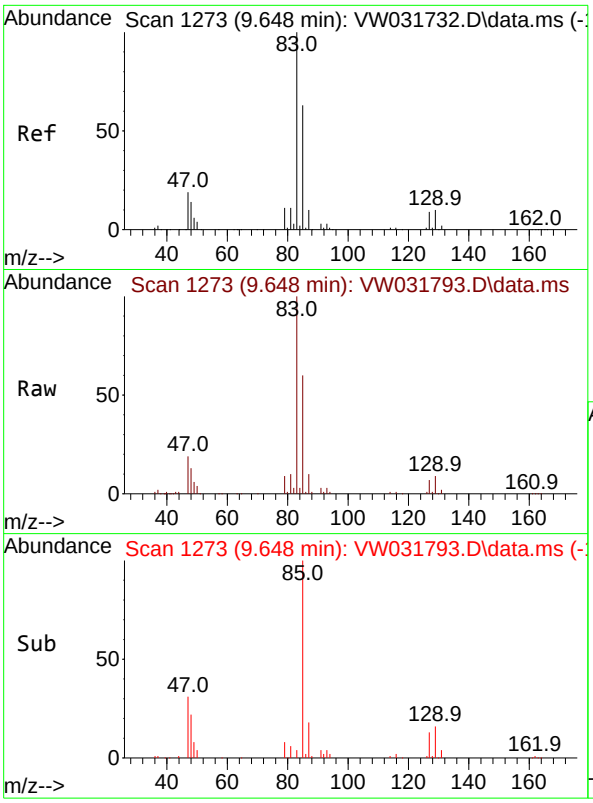


#46
Dibromomethane
Concen: 20.254 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 93 Resp: 36342

Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.0	100.4
174	85.9	71.7	107.5



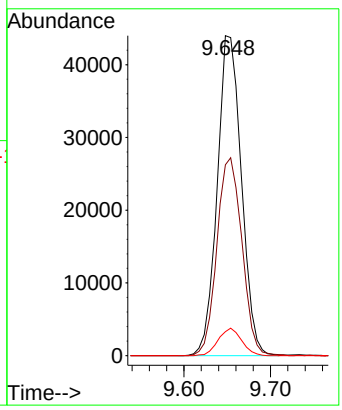


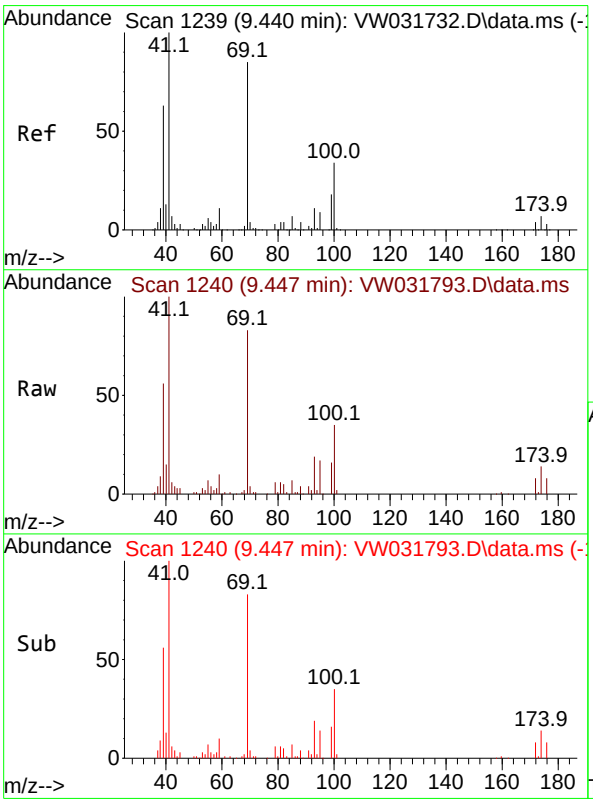
#47
Bromodichloromethane
Concen: 20.298 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 83 Resp: 85402

Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.8	76.2
127	7.5	6.8	10.2

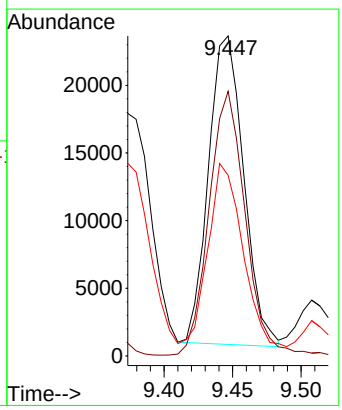


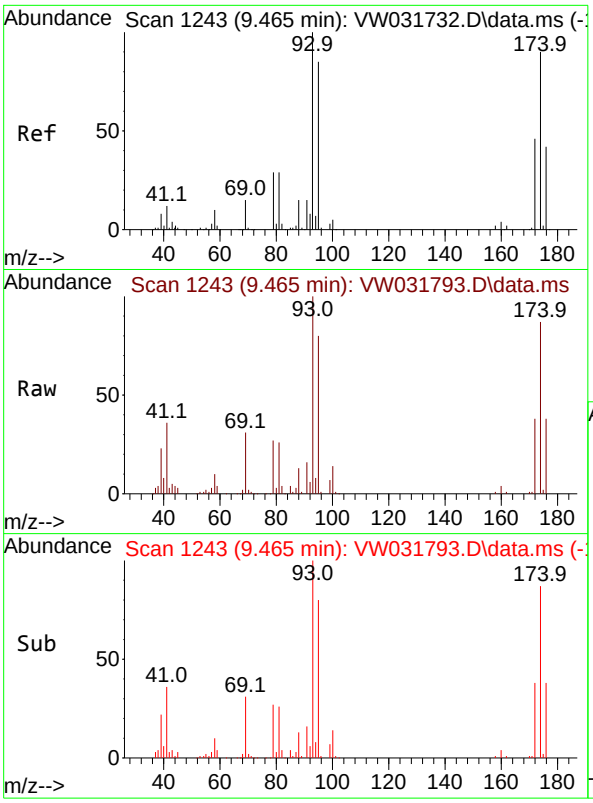


#48
Methyl methacrylate
Concen: 19.576 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 41 Resp: 40682

Ion	Ratio	Lower	Upper
41	100		
69	88.5	71.6	107.4
39	58.5	49.5	74.3



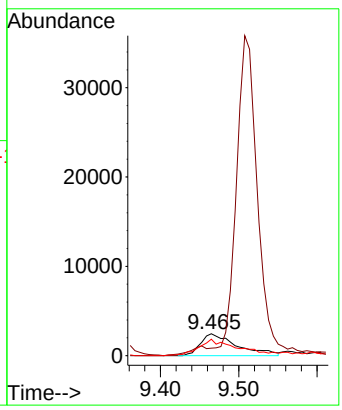


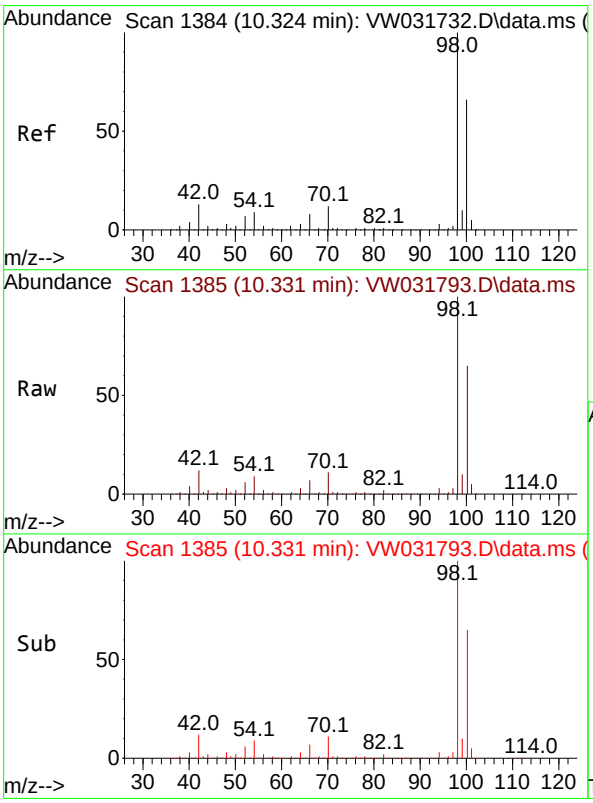
#49
1,4-Dioxane
Concen: 379.166 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 88 Resp: 7968

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	76.7	58.3	87.5

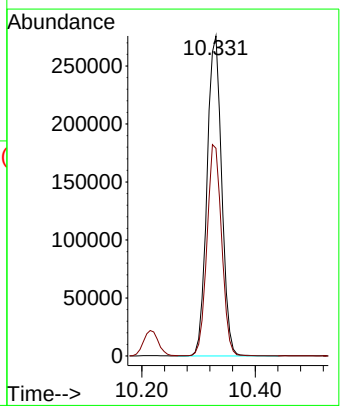


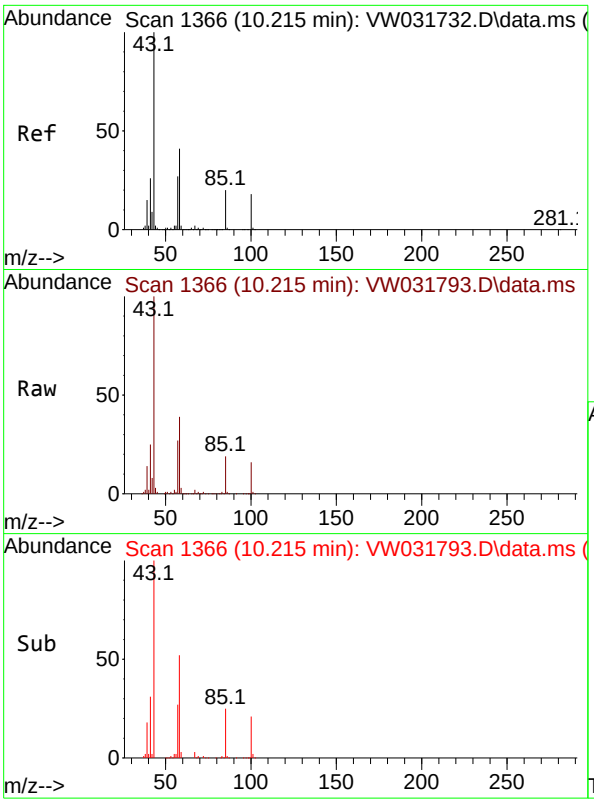


#50
Toluene-d8
Concen: 49.312 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 98 Resp: 492896

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4



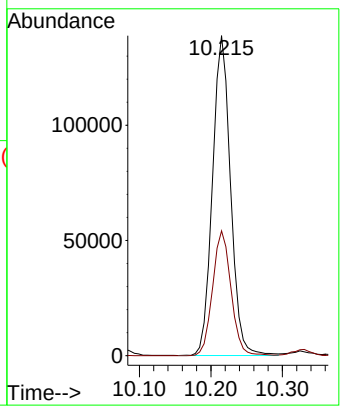


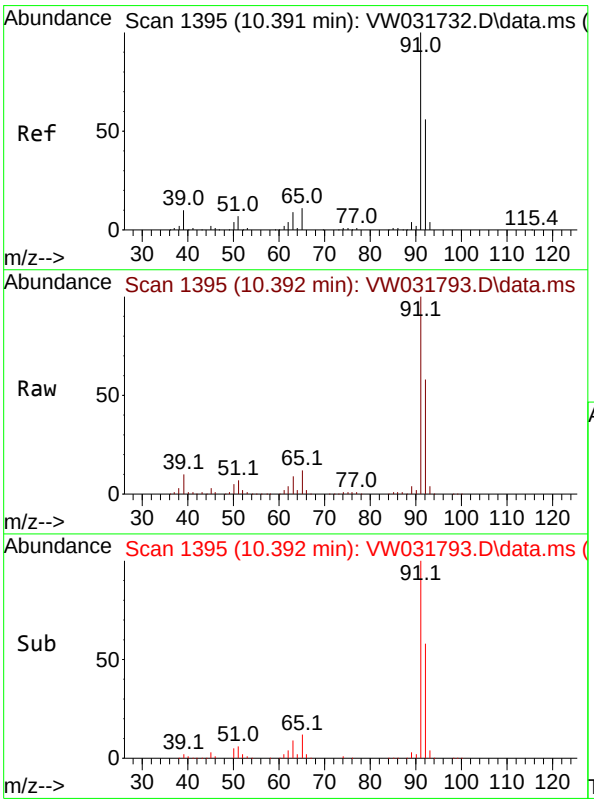
#51
4-Methyl-2-Pentanone
Concen: 100.395 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 243938

Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.2	48.2

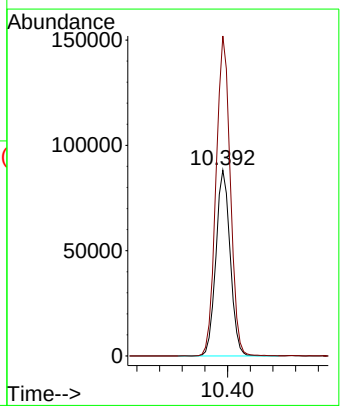


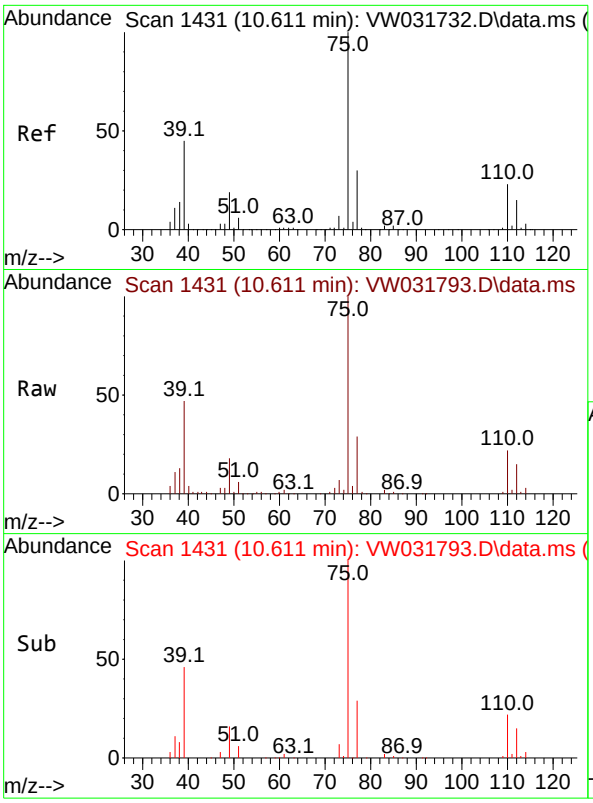


#52
Toluene
Concen: 20.886 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 92 Resp: 153770

Ion	Ratio	Lower	Upper
92	100		
91	172.6	139.5	209.3



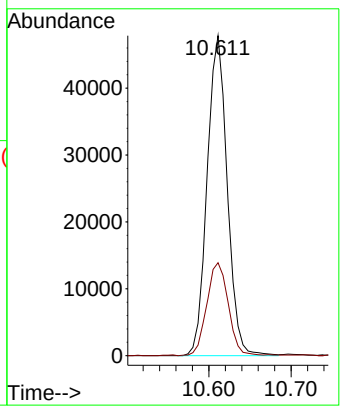


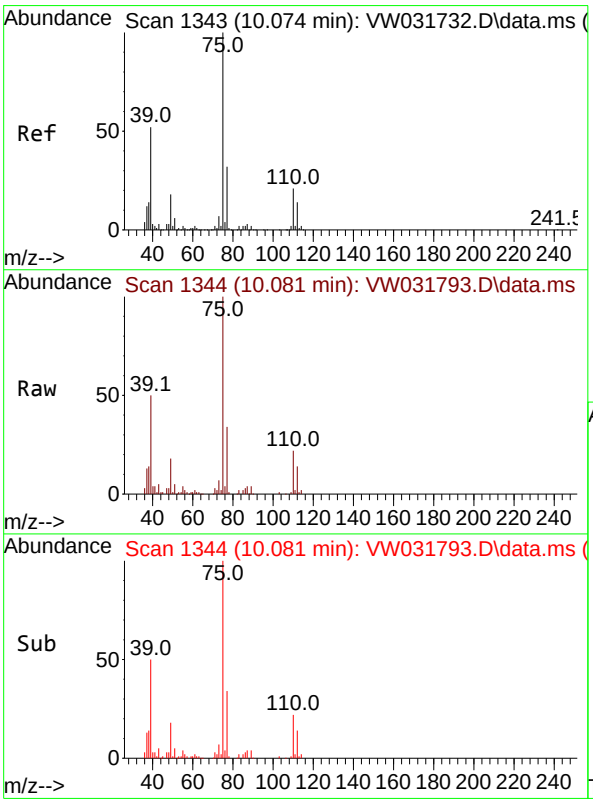
#53
t-1,3-Dichloropropene
Concen: 20.605 ug/l
RT: 10.611 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 75 Resp: 81344

Ion	Ratio	Lower	Upper
75	100		
77	29.1	24.3	36.5

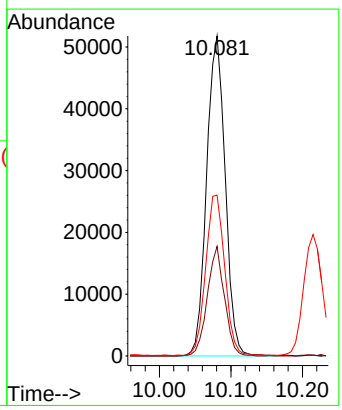


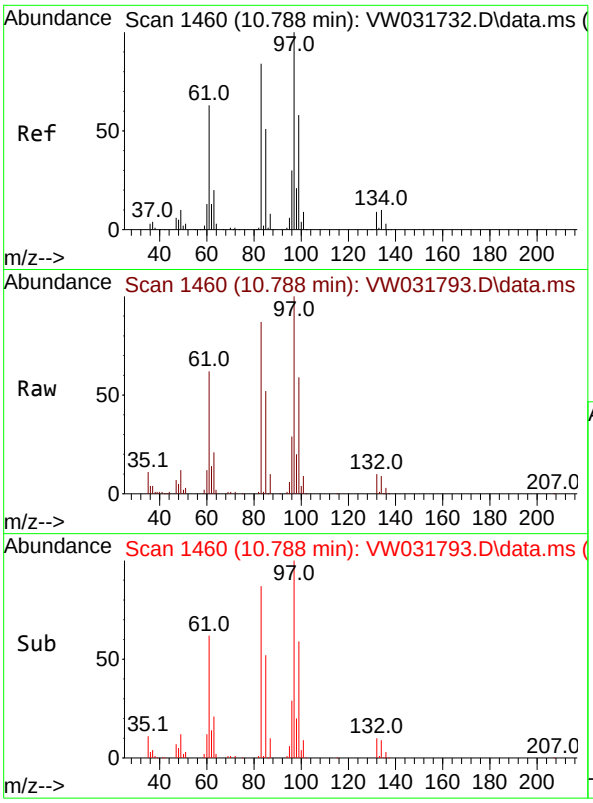


#54
cis-1,3-Dichloropropene
Concen: 20.867 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 93385

Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.4	38.2
39	50.0	41.8	62.6



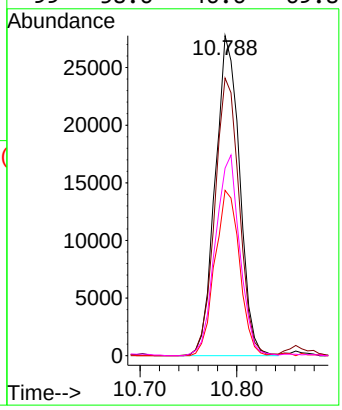


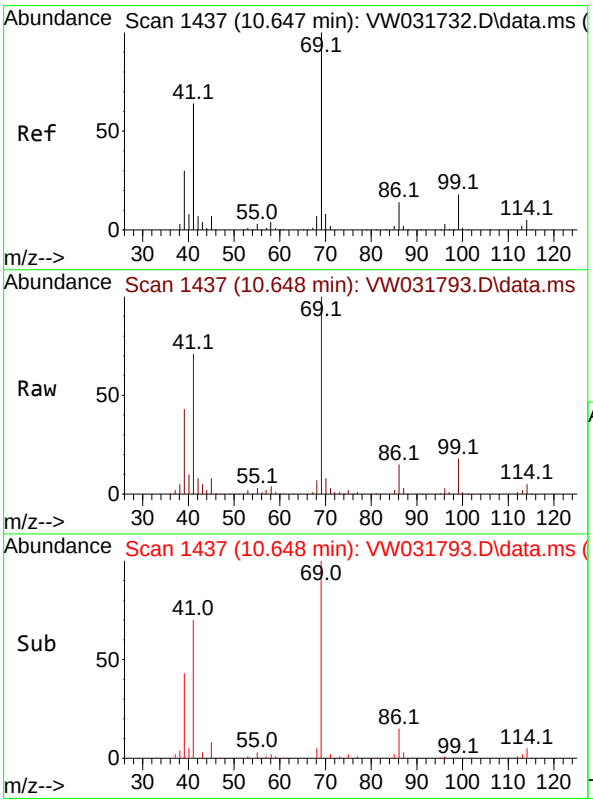
#55
1,1,2-Trichloroethane
Concen: 20.611 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 97 Resp: 48442

Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.9	100.3
85	51.7	41.1	61.7
99	58.6	46.6	69.8

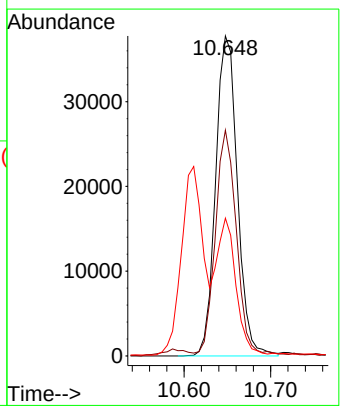


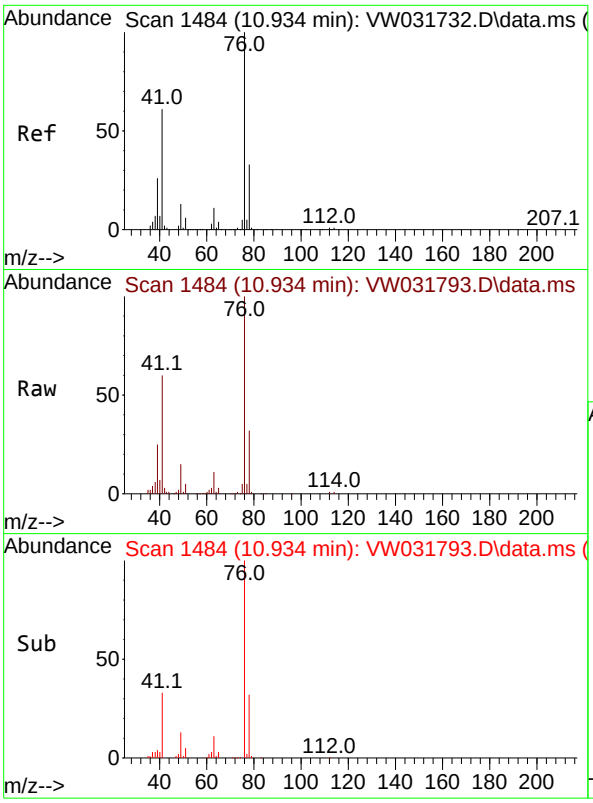


#56
Ethyl methacrylate
Concen: 20.656 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 69 Resp: 65863

Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.3	79.9
39	38.1	30.2	45.2



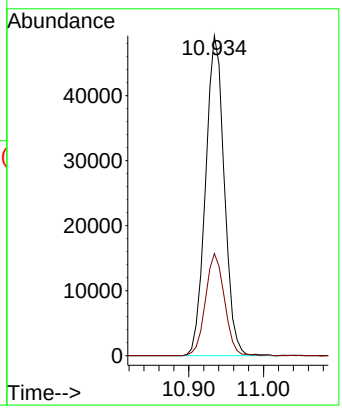


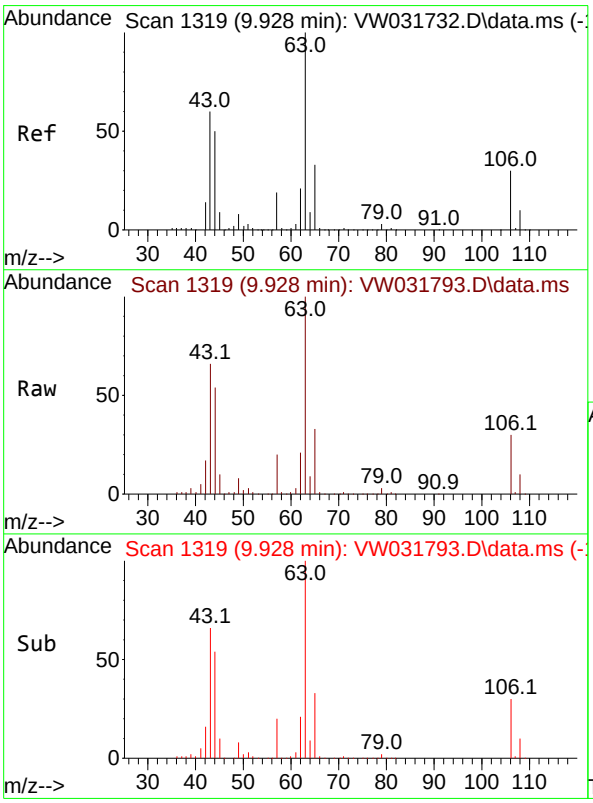
#57
1,3-Dichloropropane
Concen: 20.724 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 76 Resp: 85519

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

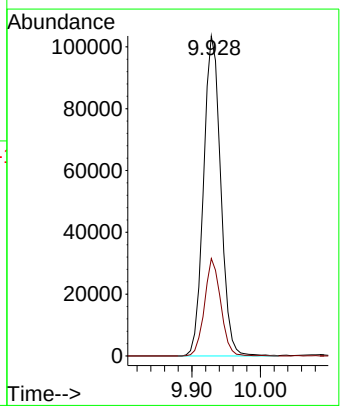


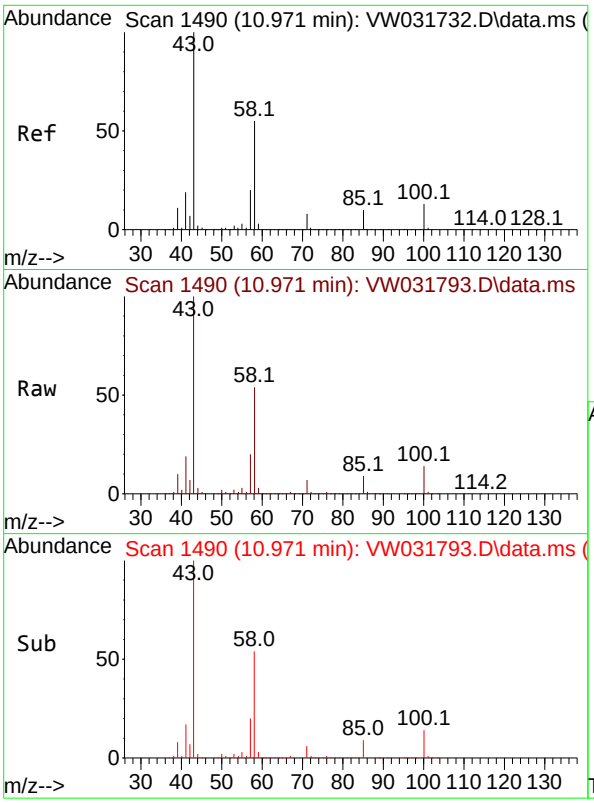


#58
2-Chloroethyl Vinyl ether
Concen: 102.926 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 63 Resp: 180719

Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.1	36.1



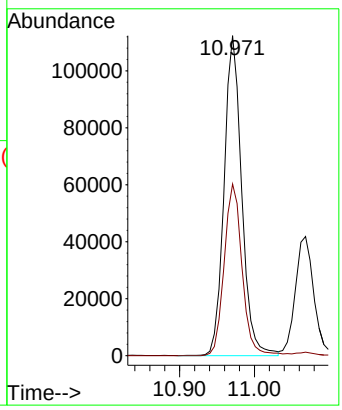


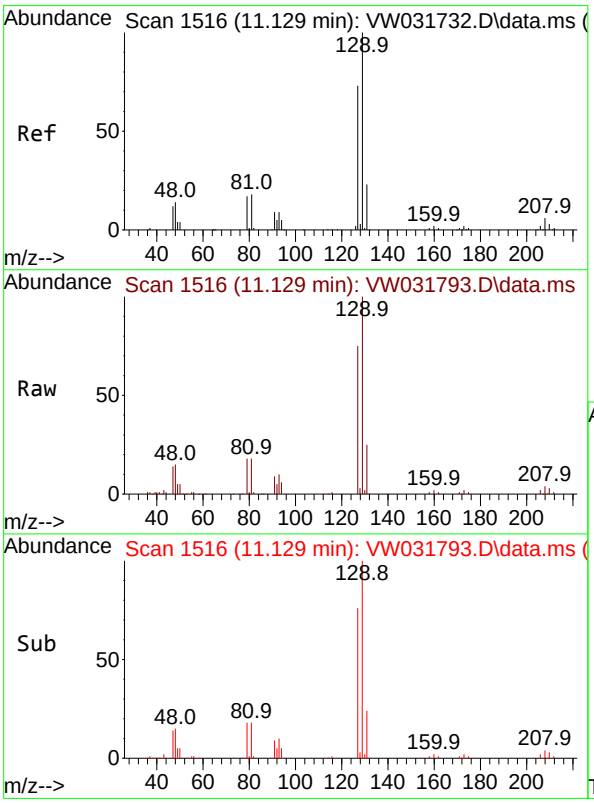
#59
2-Hexanone
Concen: 111.938 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 43 Resp: 184308

Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.9	83.6

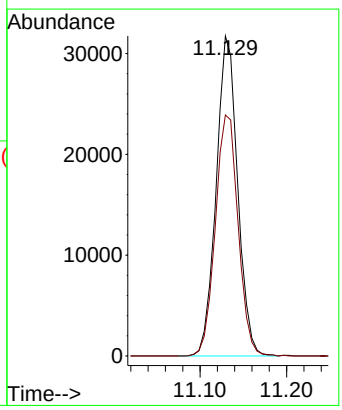


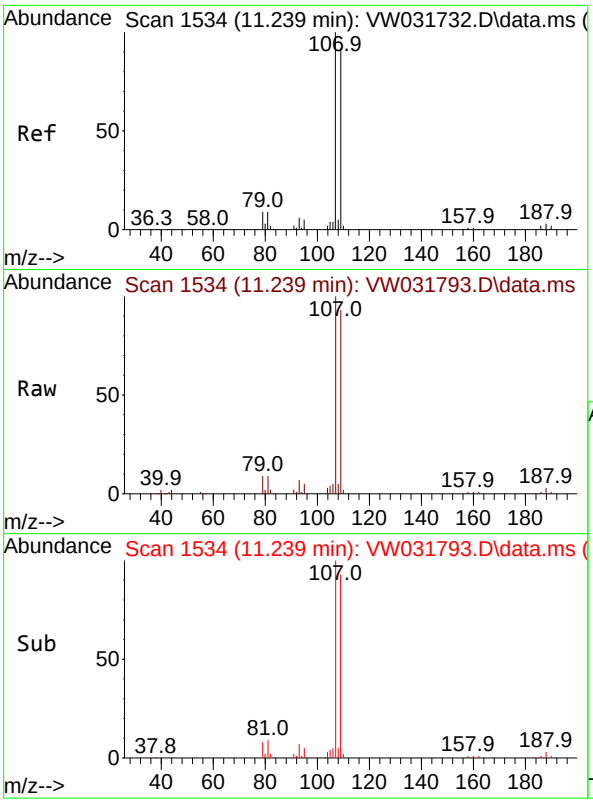


#60
Dibromochloromethane
Concen: 19.417 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:129 Resp: 54573

Ion	Ratio	Lower	Upper
129	100		
127	80.0	38.0	114.1



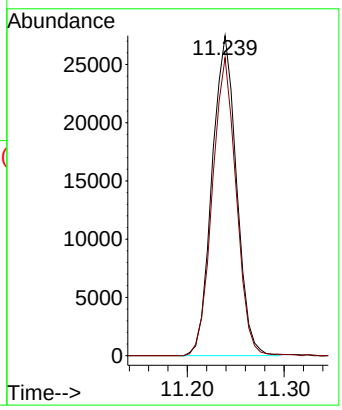


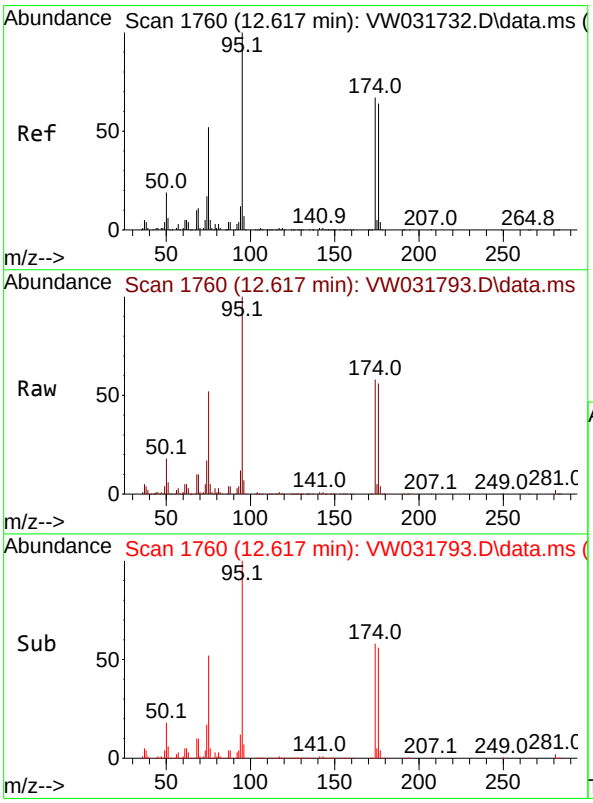
#61
1,2-Dibromoethane
Concen: 20.452 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:107 Resp: 48122

Ion	Ratio	Lower	Upper
107	100		
109	91.1	73.9	110.9

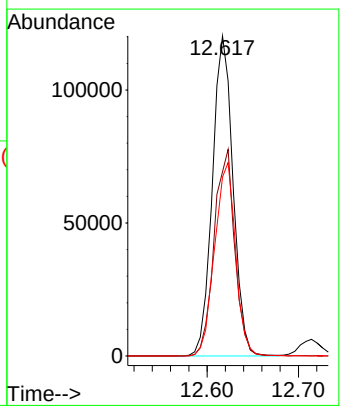


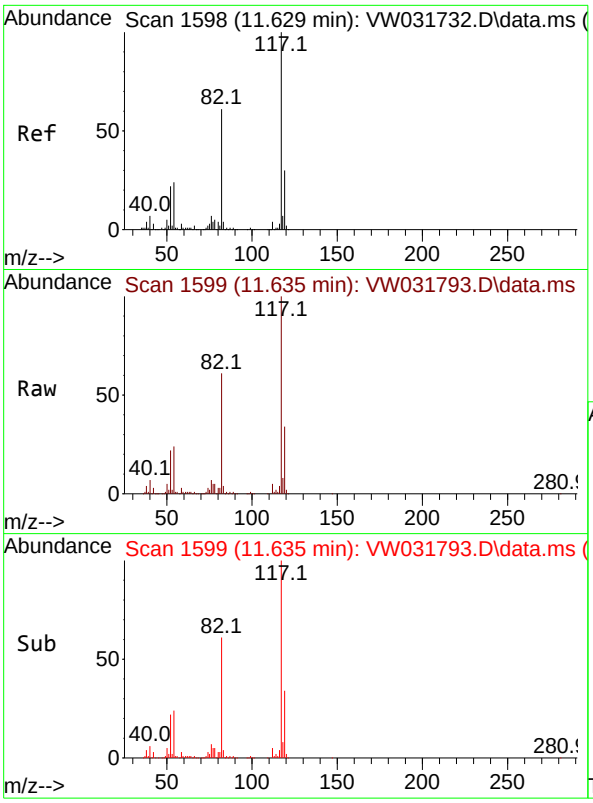


#62
4-Bromofluorobenzene
Concen: 51.317 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 95 Resp: 188760

Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	133.8
176	61.5	0.0	126.0



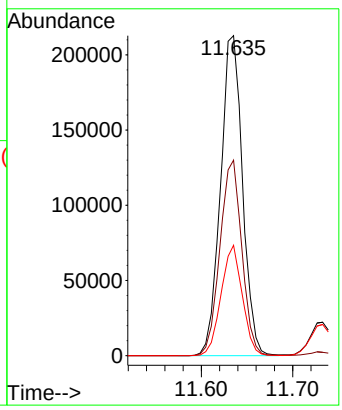


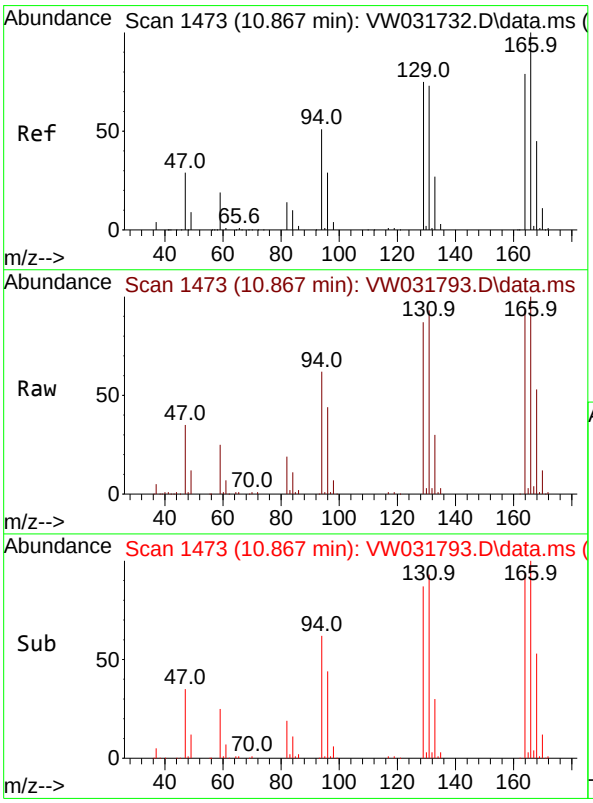
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:117 Resp: 356304

Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	72.8
119	34.5	23.9	35.9

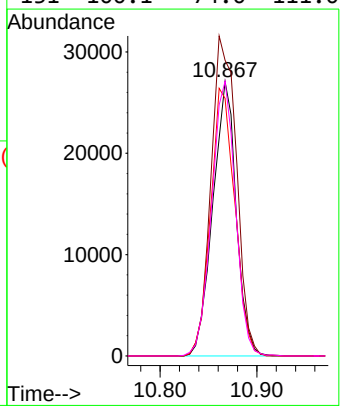


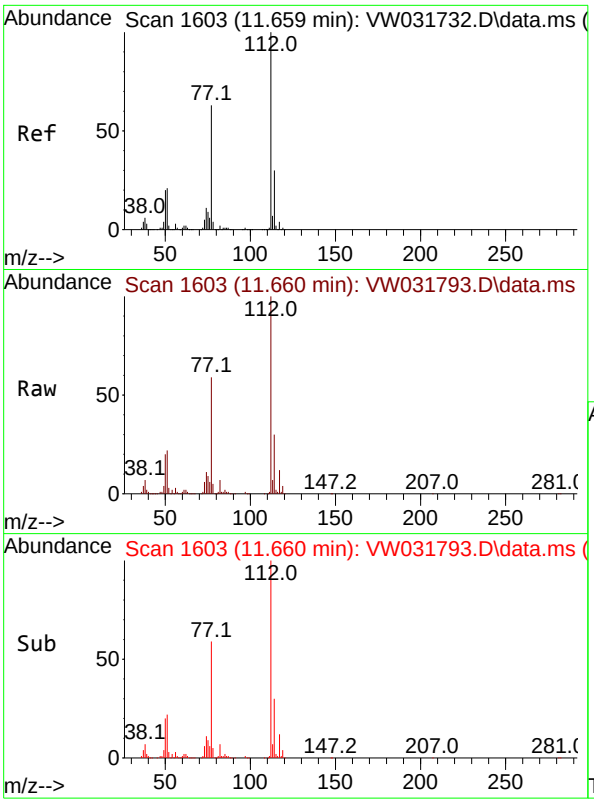


#64
Tetrachloroethene
Concen: 19.464 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:164 Resp: 45363

Ion	Ratio	Lower	Upper
164	100		
166	107.8	100.7	151.1
129	93.9	75.4	113.0
131	100.1	74.0	111.0



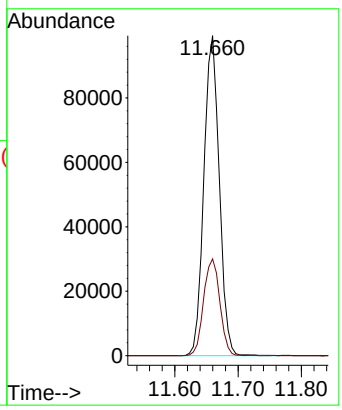


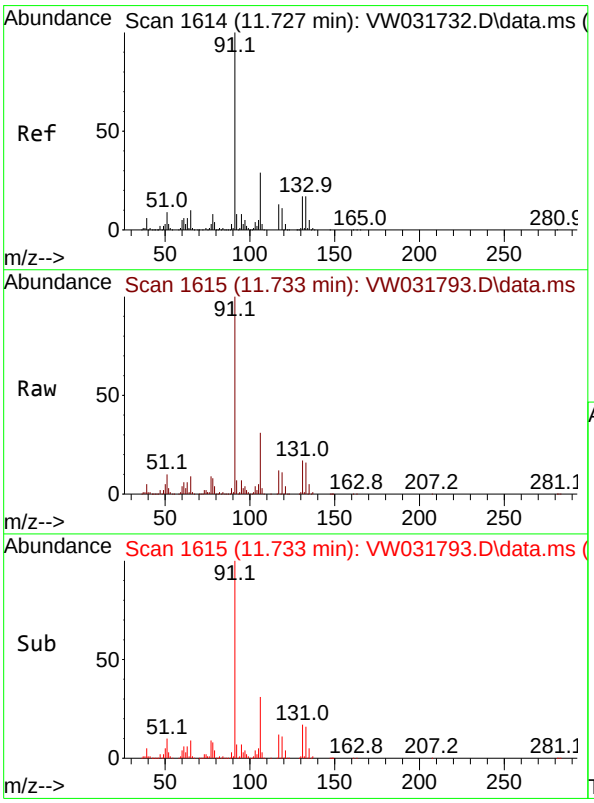
#65
Chlorobenzene
Concen: 21.409 ug/l
RT: 11.660 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:112 Resp: 168300

Ion	Ratio	Lower	Upper
112	100		
114	30.2	23.8	35.8

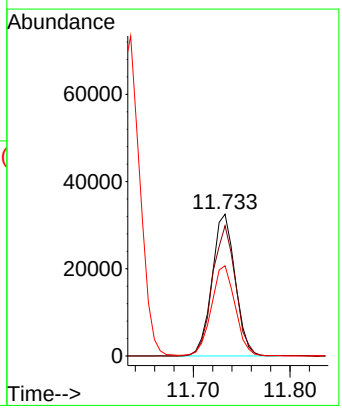


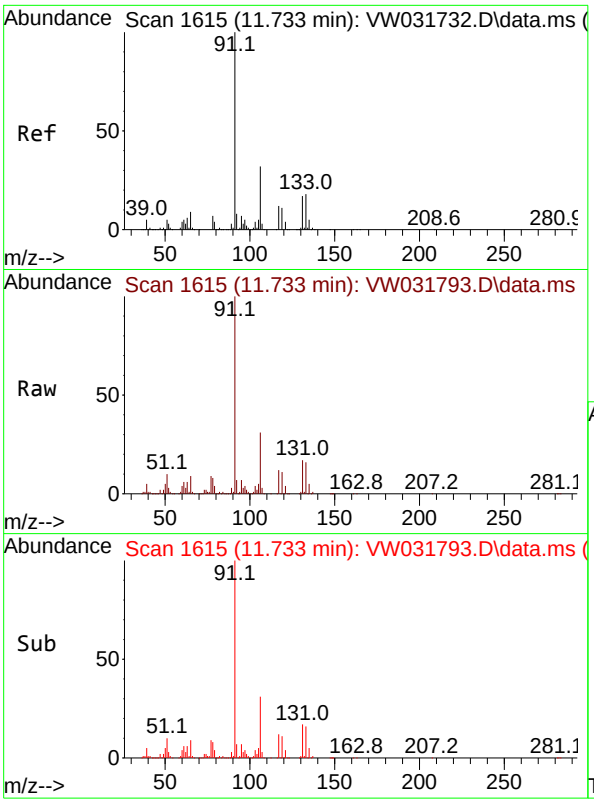


#66
1,1,1,2-Tetrachloroethane
Concen: 21.619 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:131 Resp: 54158

Ion	Ratio	Lower	Upper
131	100		
133	91.9	48.5	145.6
119	65.4	32.5	97.5



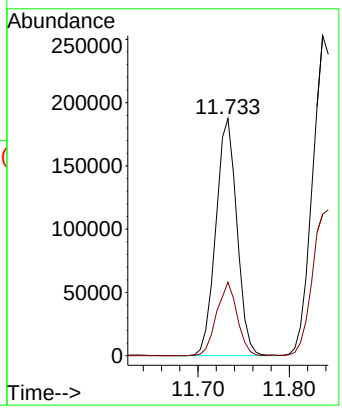


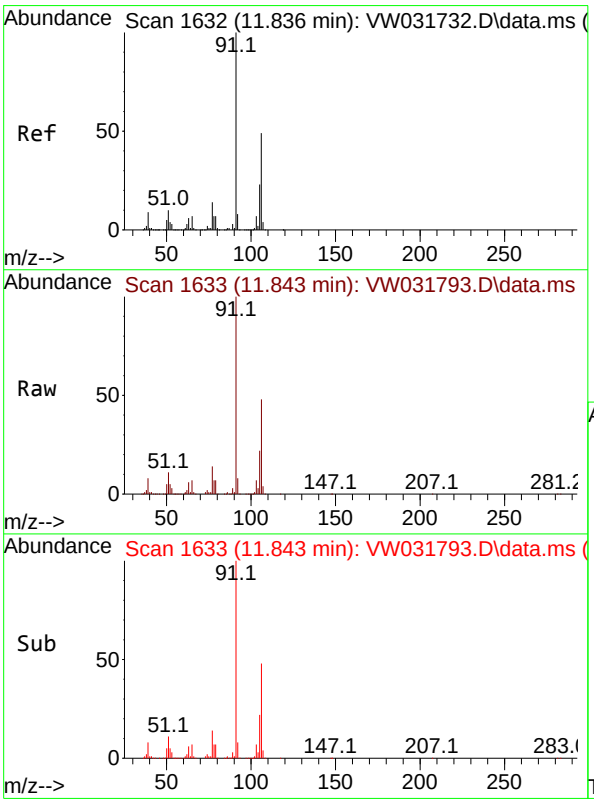
#67
Ethyl Benzene
Concen: 22.045 ug/l
RT: 11.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 91 Resp: 300506

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2

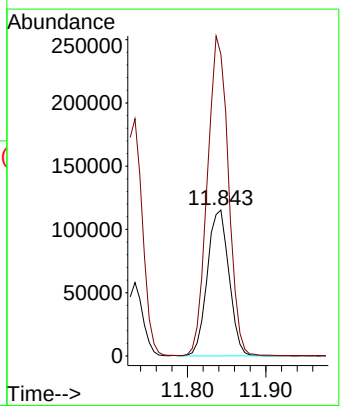


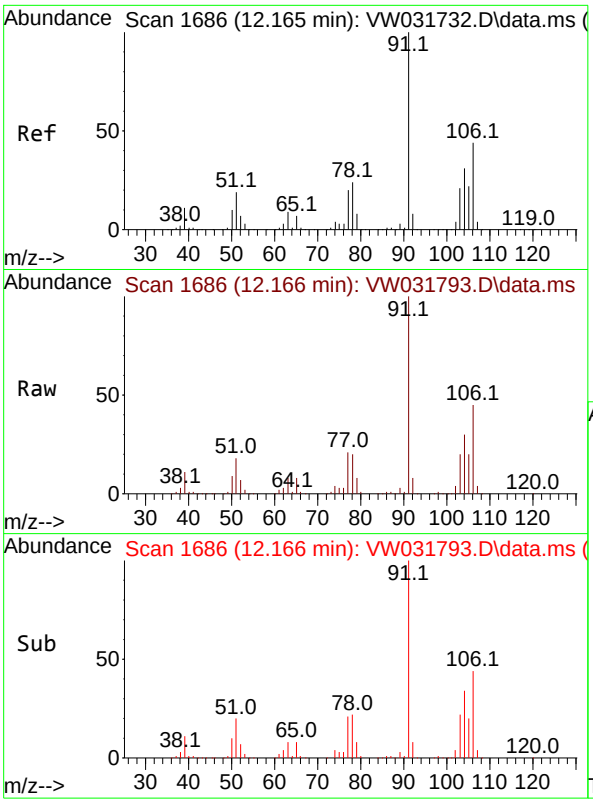


#68
m/p-Xylenes
Concen: 42.278 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:106 Resp: 221549

Ion	Ratio	Lower	Upper
106	100		
91	213.0	166.4	249.6



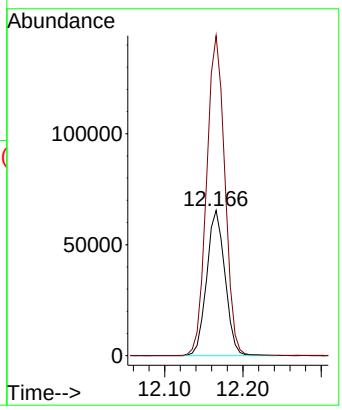


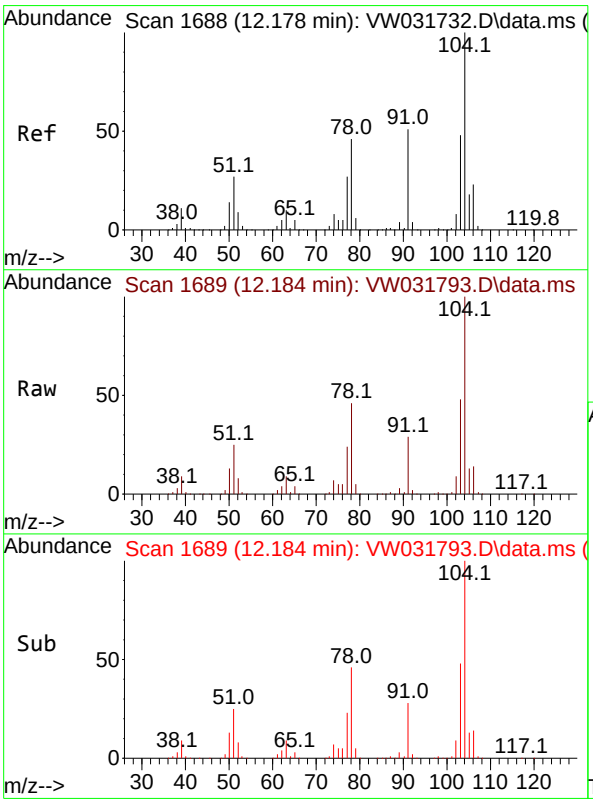
#69
o-Xylene
Concen: 21.820 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:106 Resp: 105871

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.5	334.4

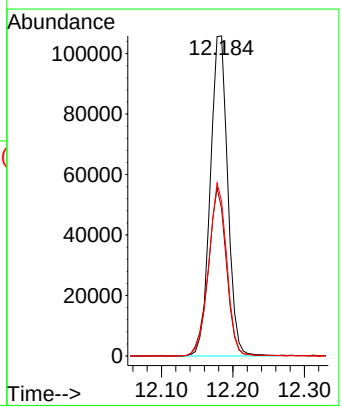


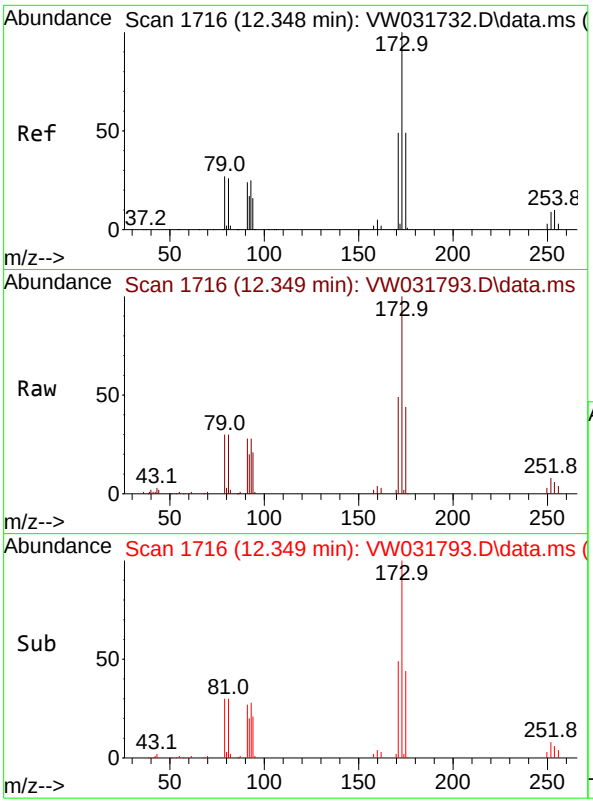


#70
Styrene
Concen: 21.421 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:104 Resp: 179672

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.1	63.1
103	55.6	43.0	64.6



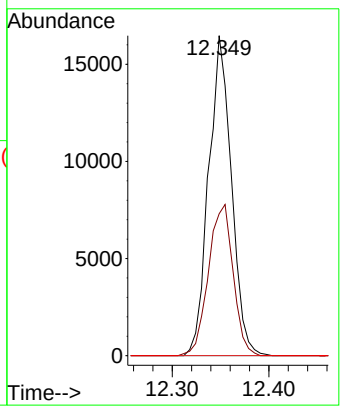


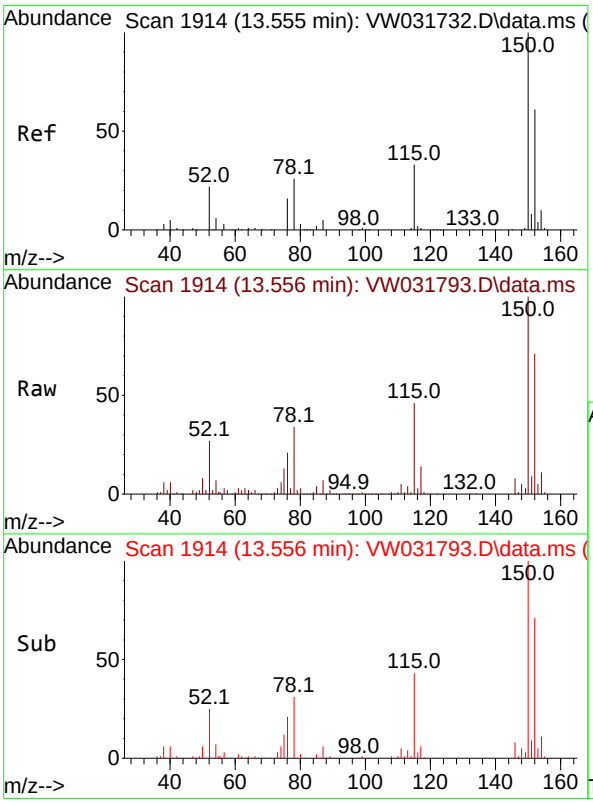
#71
Bromoform
Concen: 18.018 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:173 Resp: 26927

Ion	Ratio	Lower	Upper
173	100		
175	51.2	24.0	72.0
254	0.0	0.1	0.1#

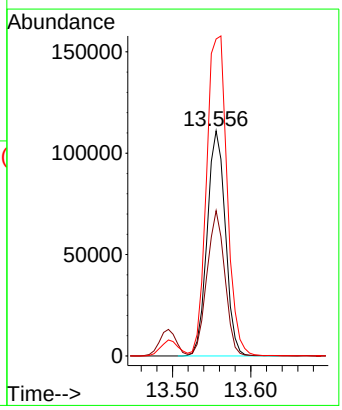


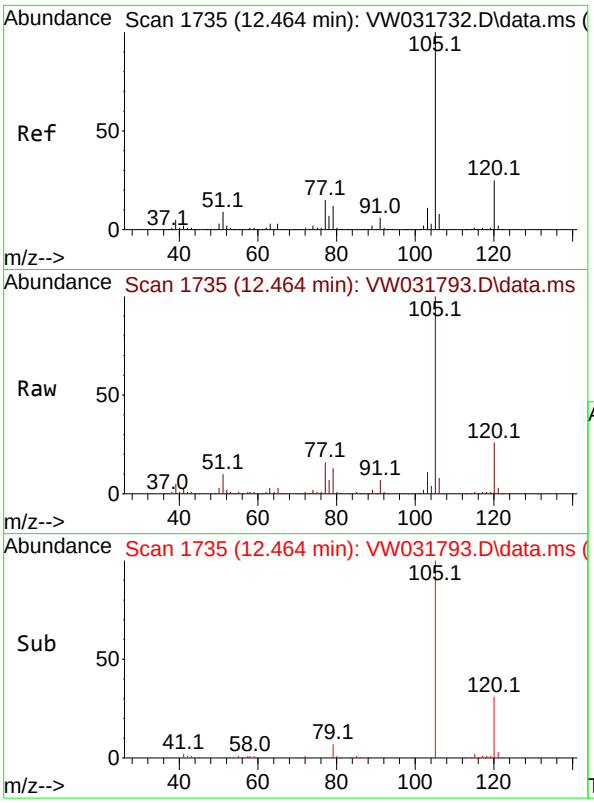


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:152 Resp: 178658

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.9	95.7
150	160.9	0.0	356.4



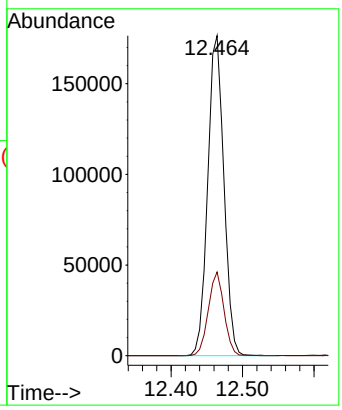


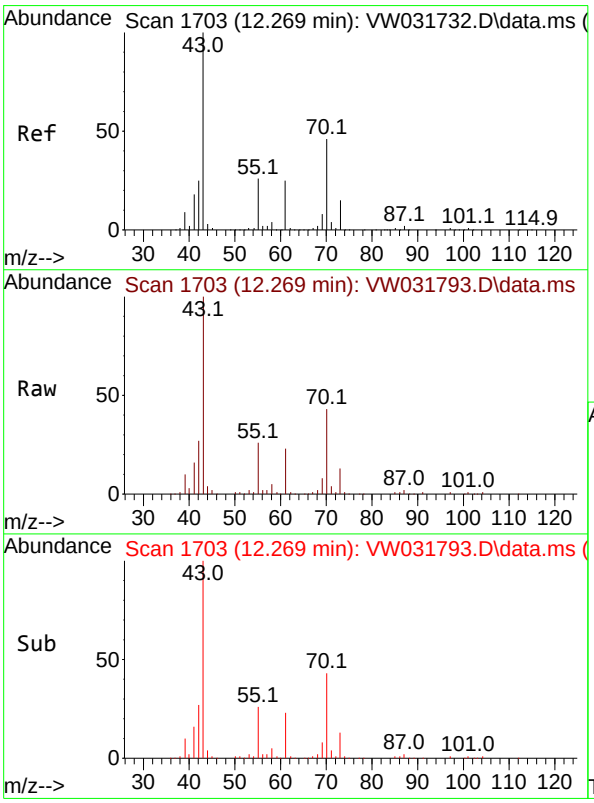
#73
Isopropylbenzene
Concen: 20.352 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:105 Resp: 276577

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

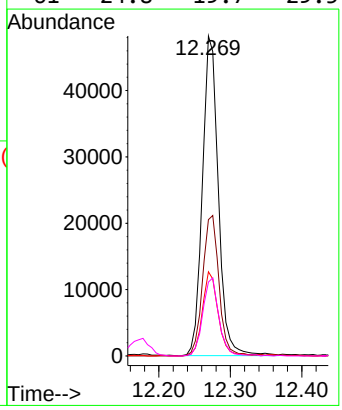


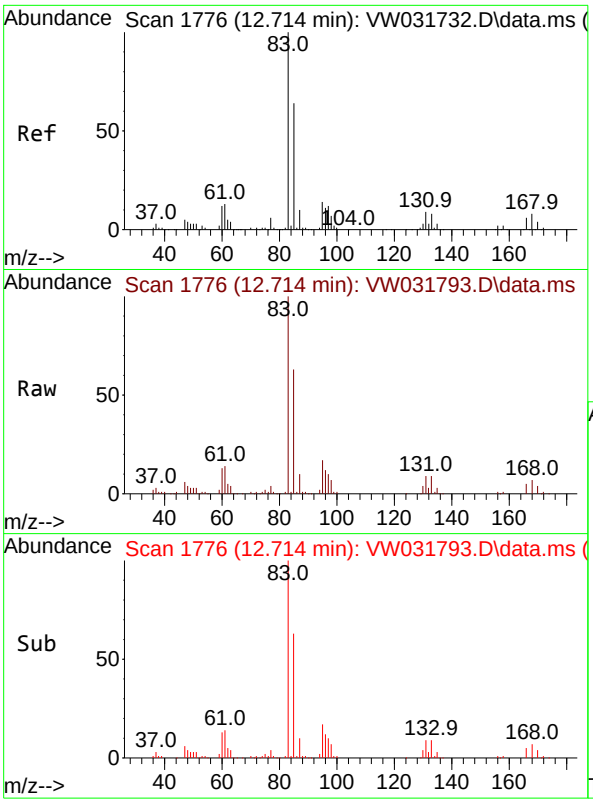


#74
N-amyl acetate
Concen: 20.368 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 43 Resp: 74607

Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.0	54.0
55	25.9	20.8	31.2
61	24.8	19.7	29.5



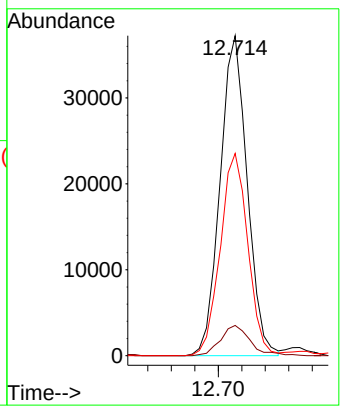


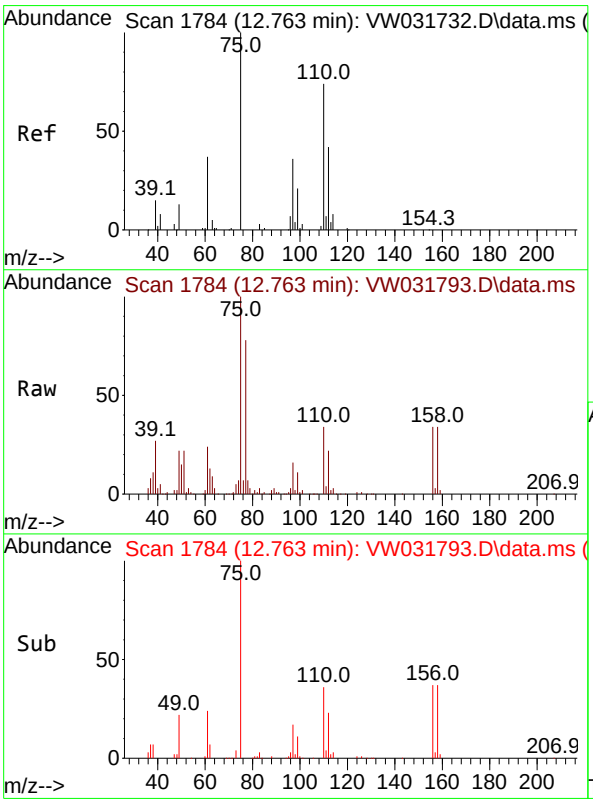
#75
1,1,2,2-Tetrachloroethane
Concen: 19.780 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 83 Resp: 59677

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	64.3	32.0	96.2

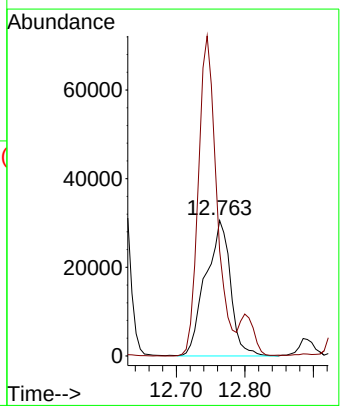


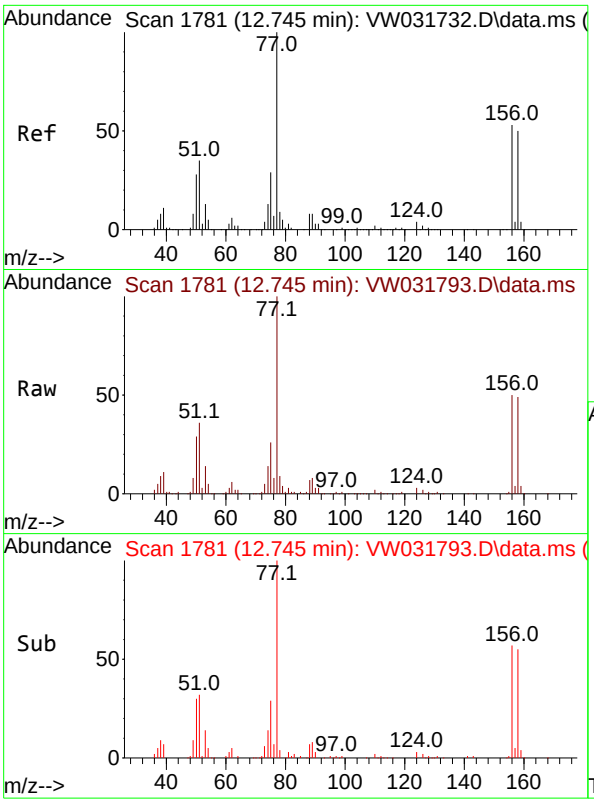


#76
1,2,3-Trichloropropane
Concen: 33.352 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 77002

Ion	Ratio	Lower	Upper
75	100		
77	176.3	141.2	423.6



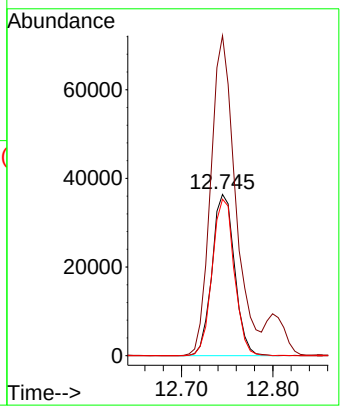


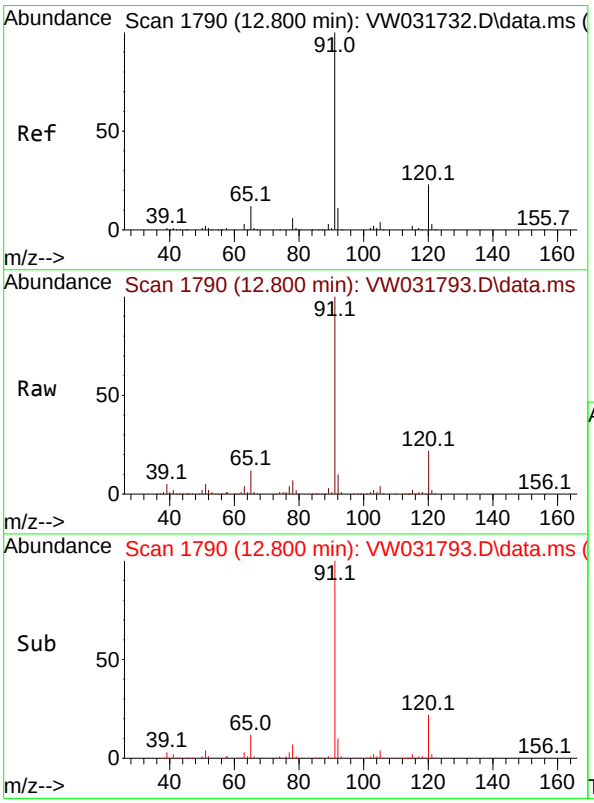
#77
Bromobenzene
Concen: 20.615 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:156 Resp: 62484

Ion	Ratio	Lower	Upper
156	100		
77	217.2	117.9	353.7
158	95.1	52.6	157.8

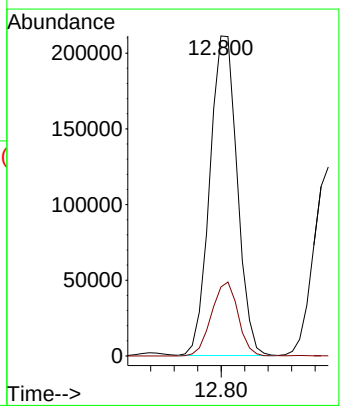


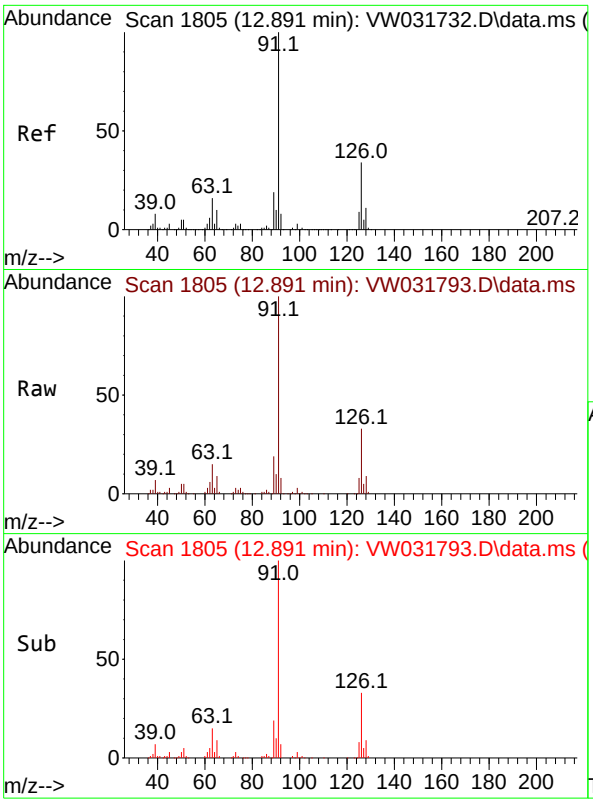


#78
n-propylbenzene
Concen: 21.009 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 341885

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4



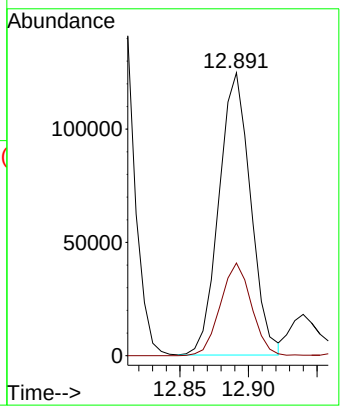


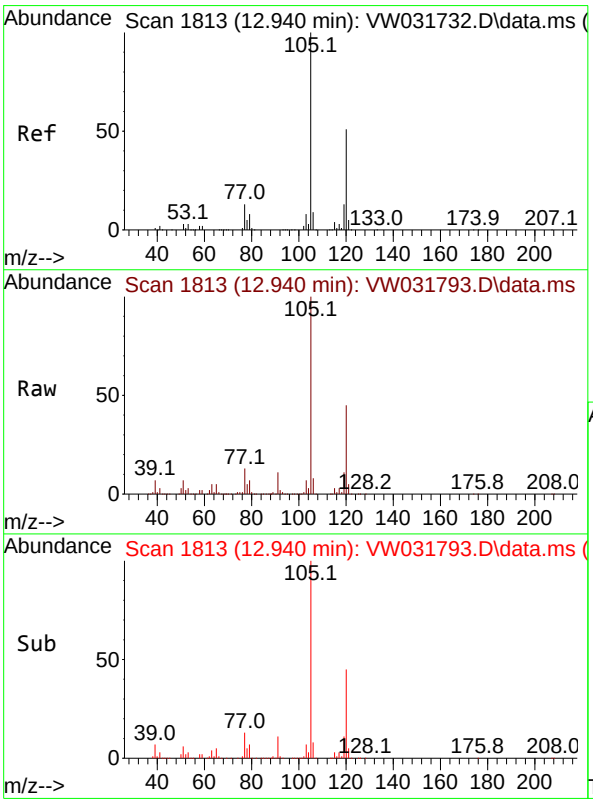
#79
2-Chlorotoluene
Concen: 20.471 ug/l
RT: 12.891 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 91 Resp: 200599

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.8	47.4

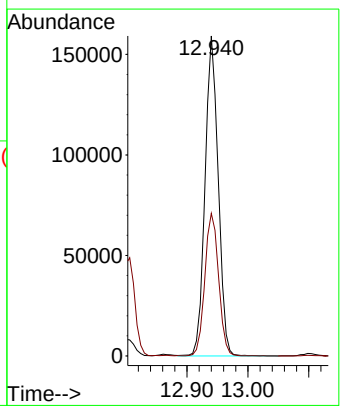


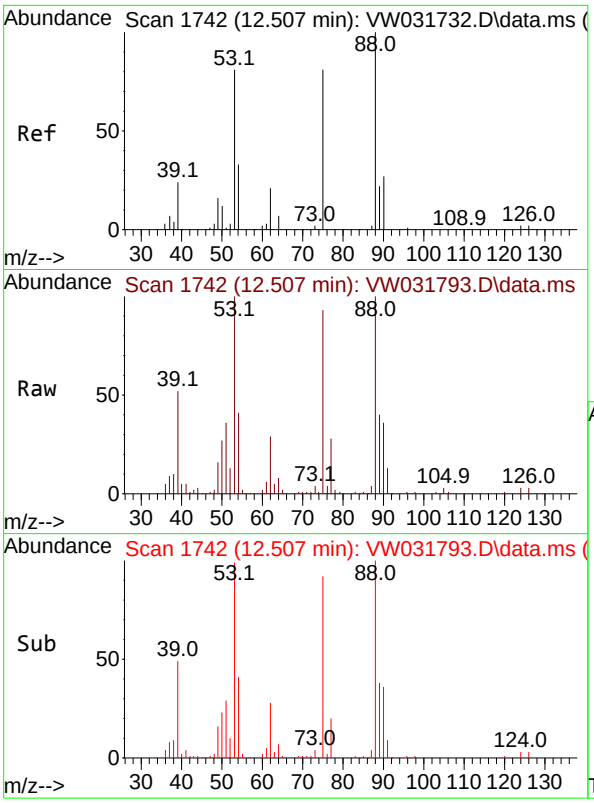


#80
1,3,5-Trimethylbenzene
Concen: 21.299 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 239593

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.2



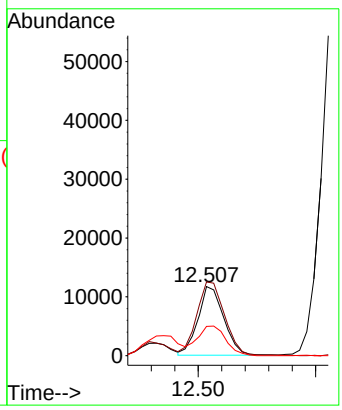


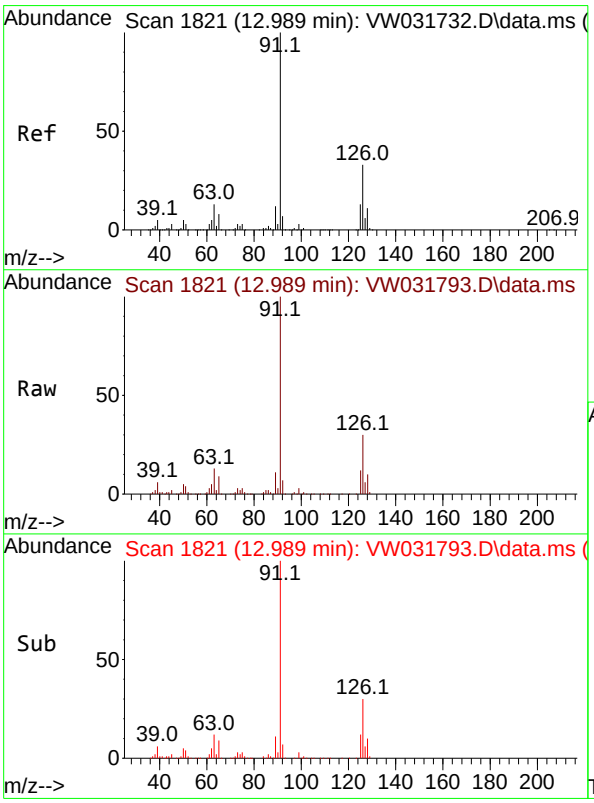
#81
trans-1,4-Dichloro-2-butene
Concen: 18.016 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 75 Resp: 17858

Ion	Ratio	Lower	Upper
75	100		
53	116.8	83.5	125.3
89	47.4	38.3	57.5

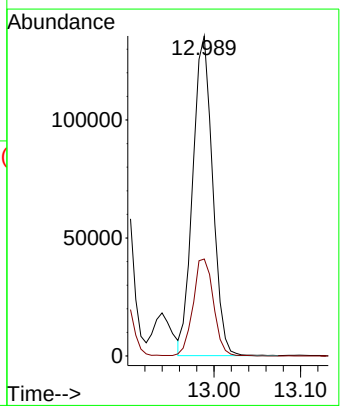


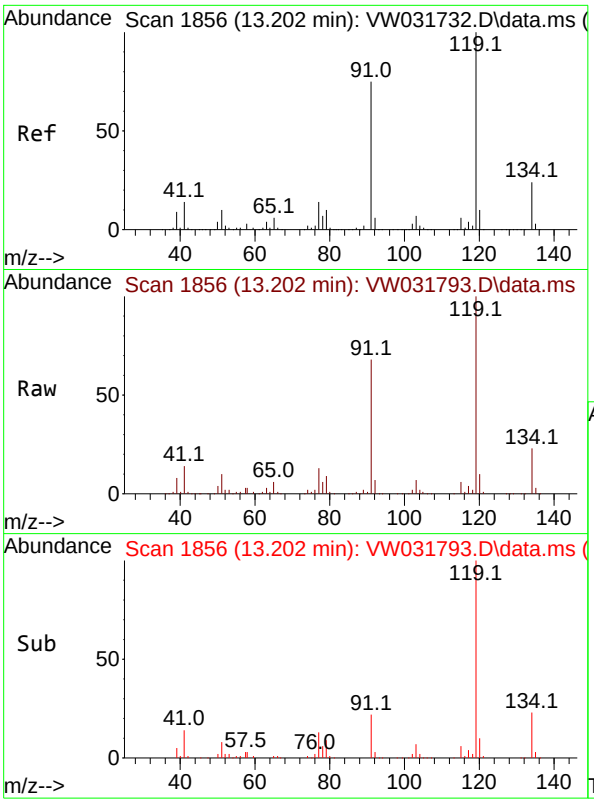


#82
4-Chlorotoluene
Concen: 20.898 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 91 Resp: 215000

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	47.9



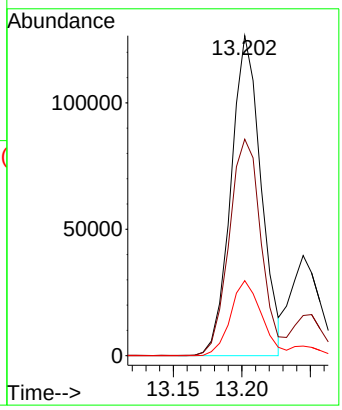


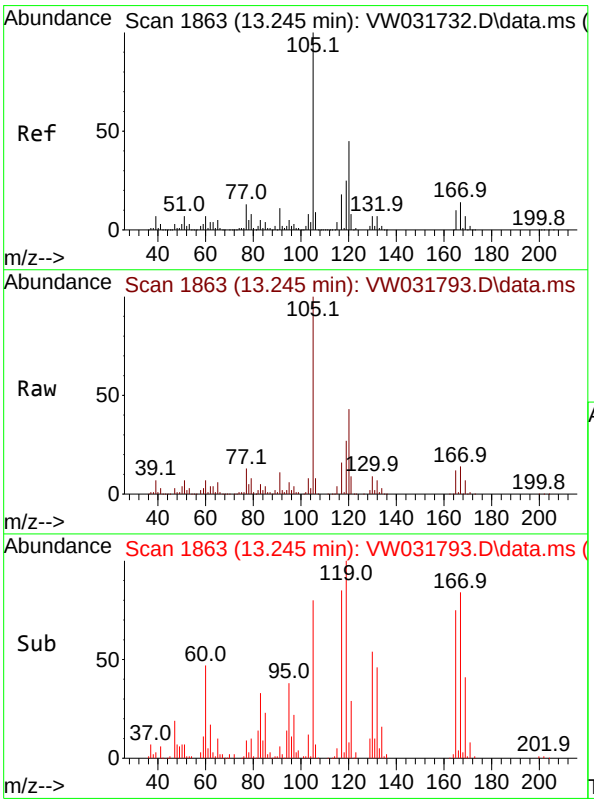
#83
tert-Butylbenzene
Concen: 20.054 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:119 Resp: 193236

Ion	Ratio	Lower	Upper
119	100		
91	72.5	36.0	108.1
134	24.2	12.4	37.2

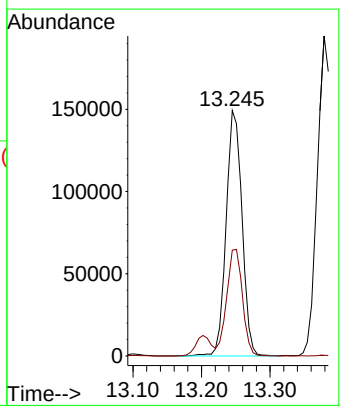


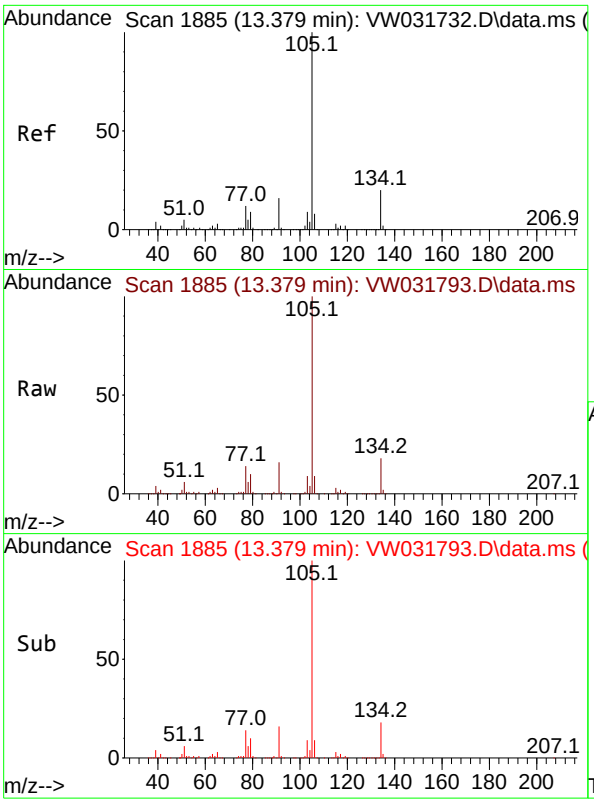


#84
1,2,4-Trimethylbenzene
Concen: 21.016 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:105 Resp: 239532

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1



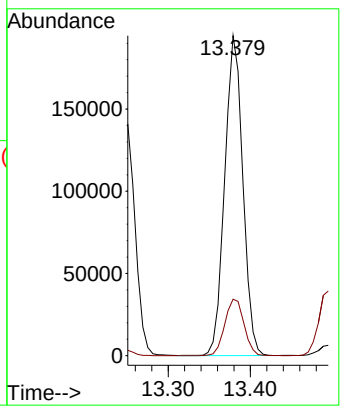


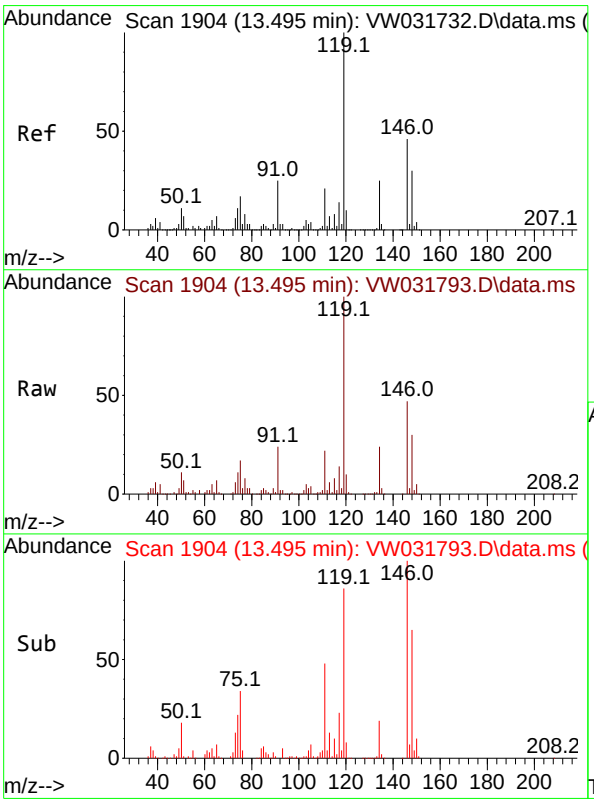
#85
sec-Butylbenzene
Concen: 20.599 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:105 Resp: 297918

Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.8

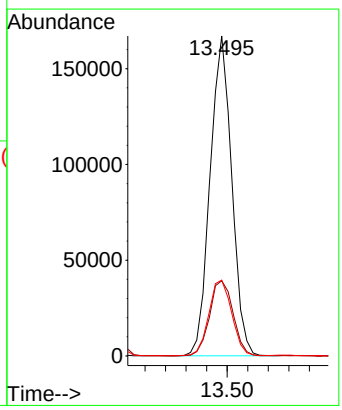


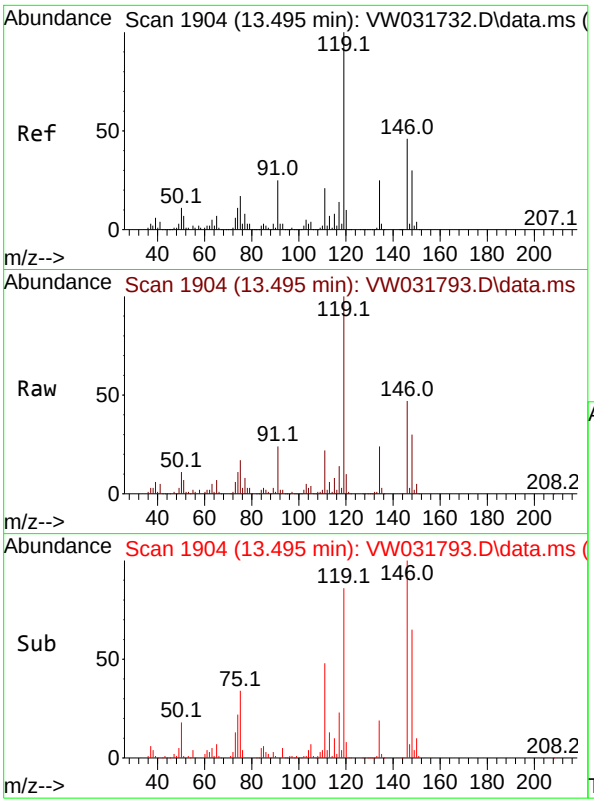


#86
p-Isopropyltoluene
Concen: 20.467 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:119 Resp: 243955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	25.0	12.7	38.0



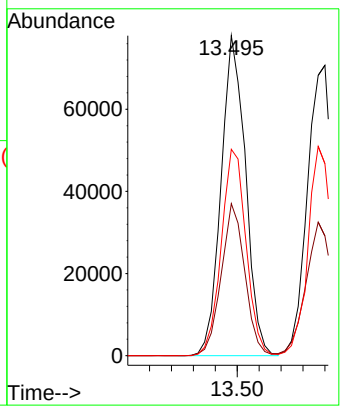


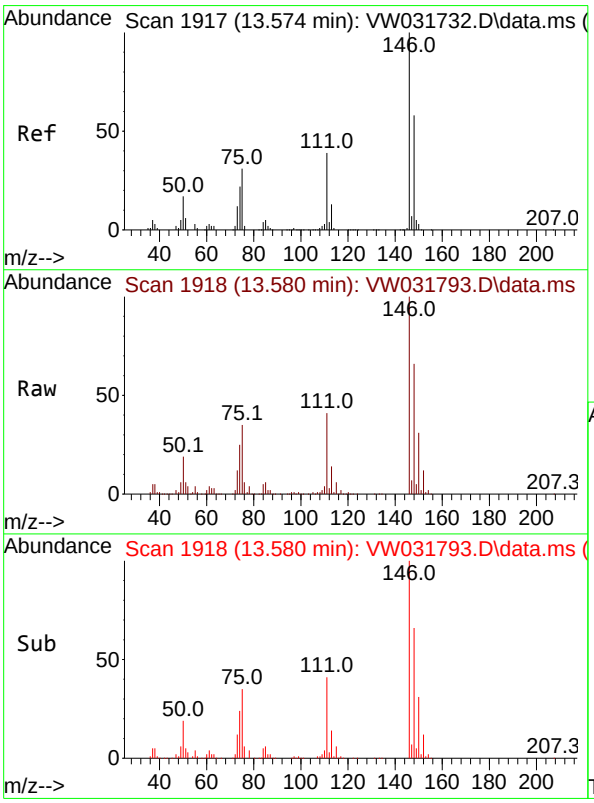
#87
1,3-Dichlorobenzene
Concen: 19.878 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:146 Resp: 120827

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.3	66.9
148	65.4	31.8	95.4

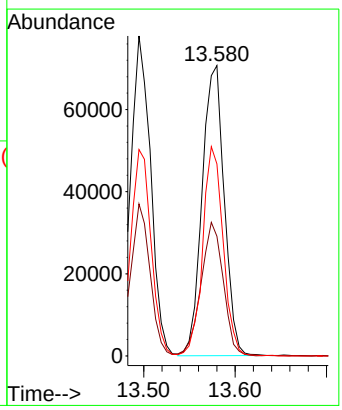


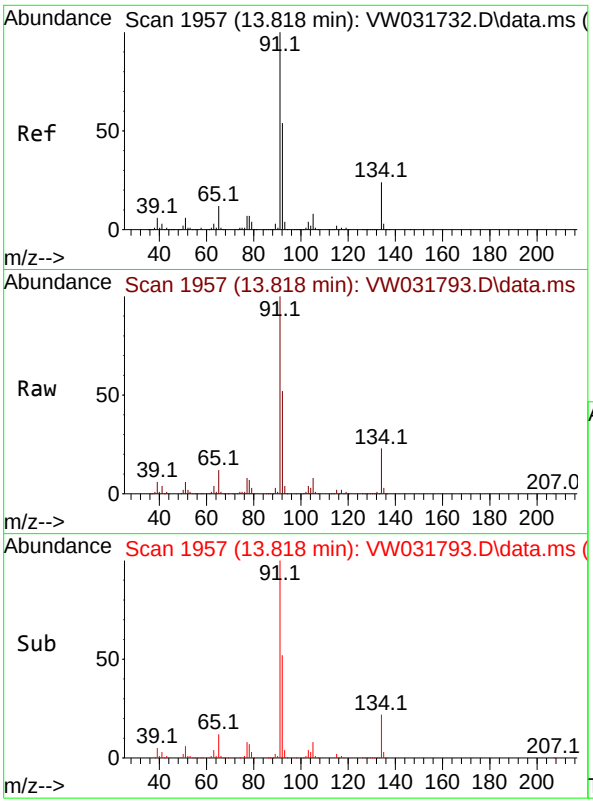


#88
1,4-Dichlorobenzene
Concen: 19.074 ug/l
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:146 Resp: 118668

Ion	Ratio	Lower	Upper
146	100		
111	46.1	20.4	61.3
148	66.6	30.2	90.6



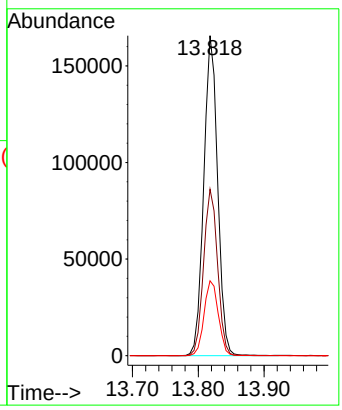


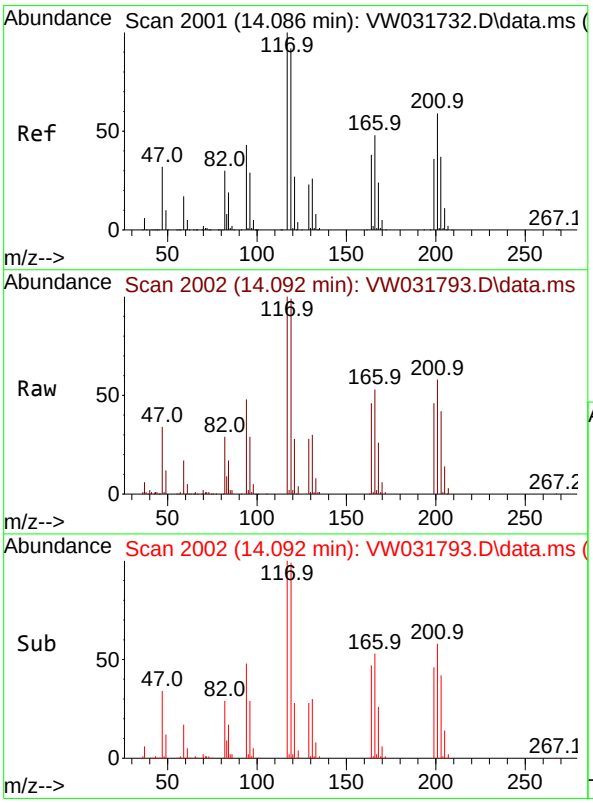
#89
n-Butylbenzene
Concen: 21.000 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion: 91 Resp: 243206

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.2	81.5
134	24.1	12.2	36.6

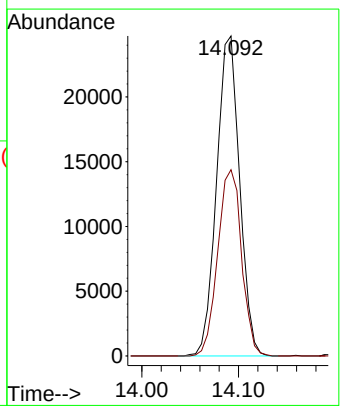


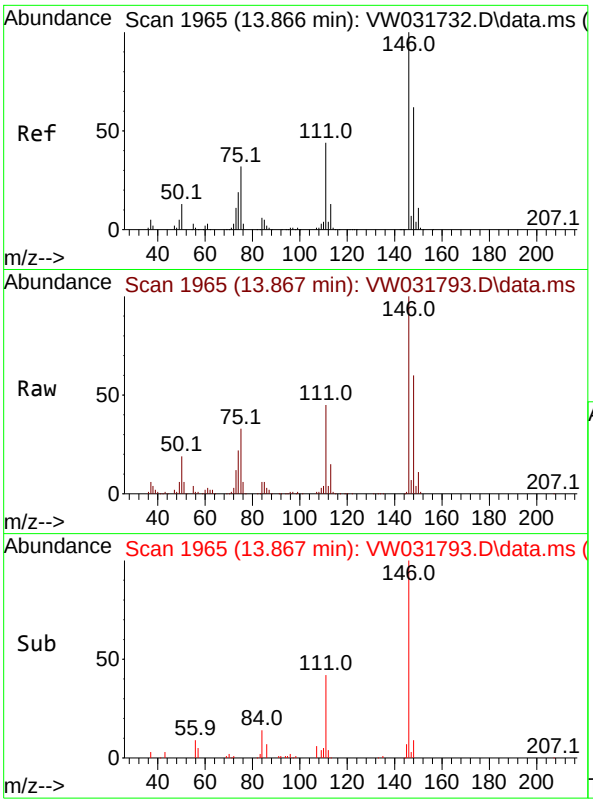


#90
Hexachloroethane
Concen: 18.988 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:117 Resp: 40832

Ion	Ratio	Lower	Upper
117	100		
201	60.2	31.1	93.3



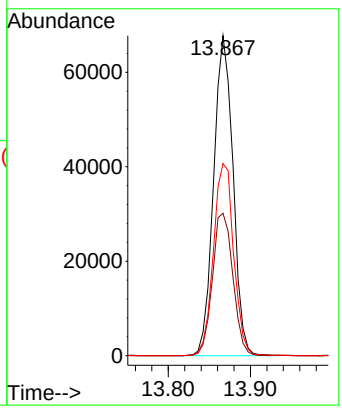


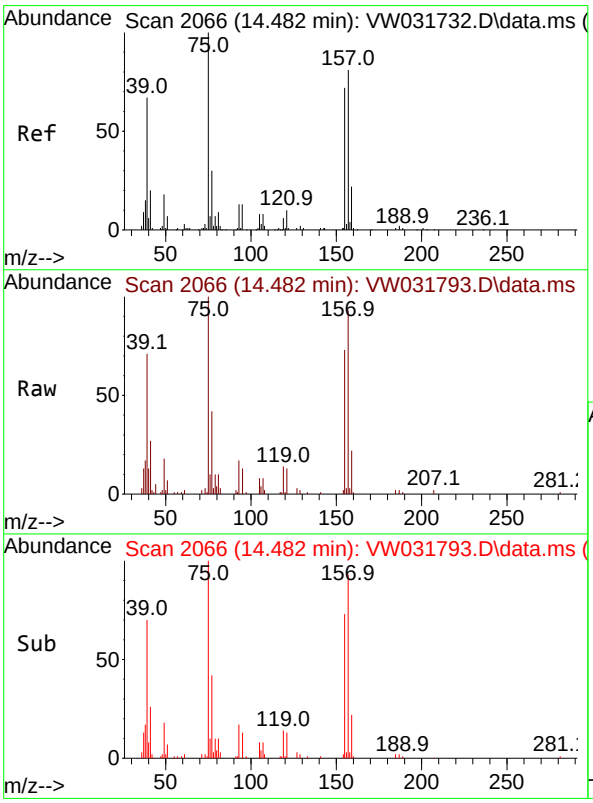
#91
1,2-Dichlorobenzene
Concen: 19.994 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:146 Resp: 111078

Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.7	65.1
148	62.8	29.8	89.5

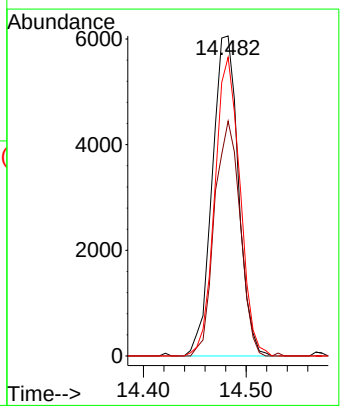


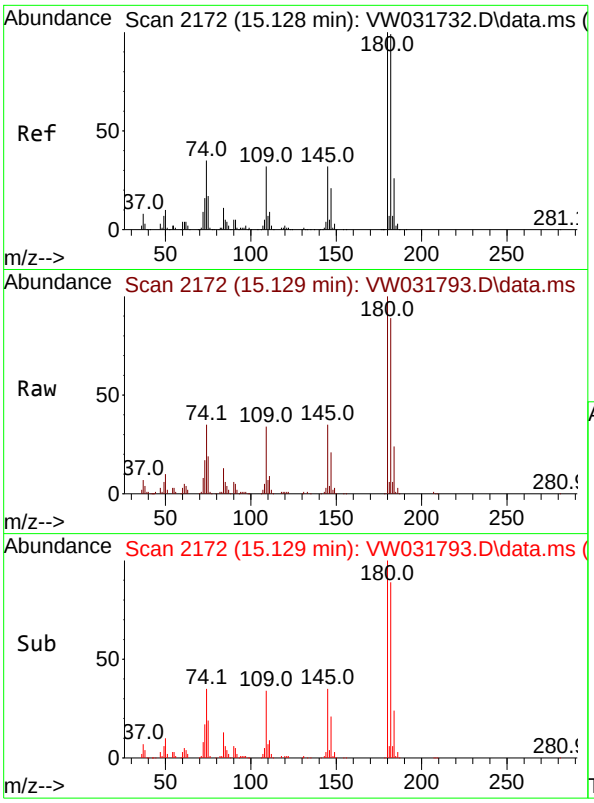


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.170 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion: 75 Resp: 10704

Ion	Ratio	Lower	Upper
75	100		
155	72.0	37.2	111.6
157	89.7	45.6	136.9



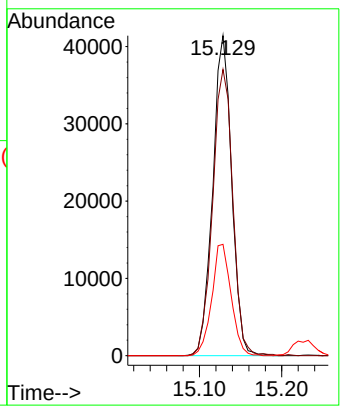


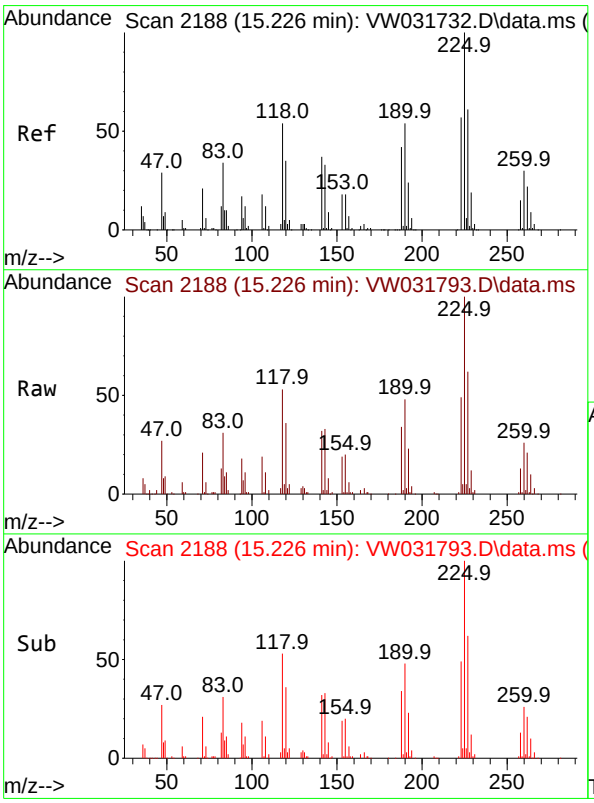
#93
1,2,4-Trichlorobenzene
Concen: 19.394 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:180 Resp: 66450

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.6	145.9
145	35.6	17.3	51.7

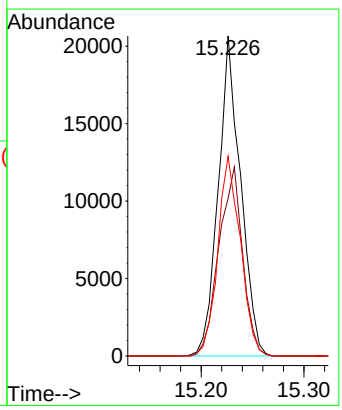


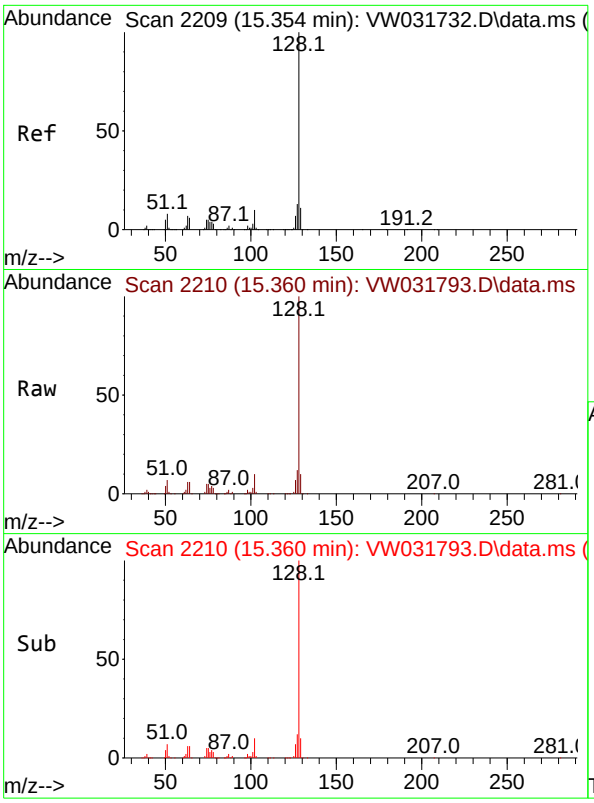


#94
Hexachlorobutadiene
Concen: 18.819 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:225 Resp: 31136

Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.6	97.8
227	63.3	37.3	111.8



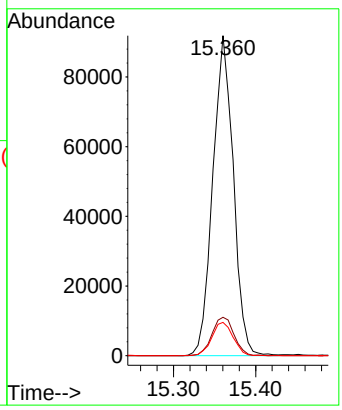


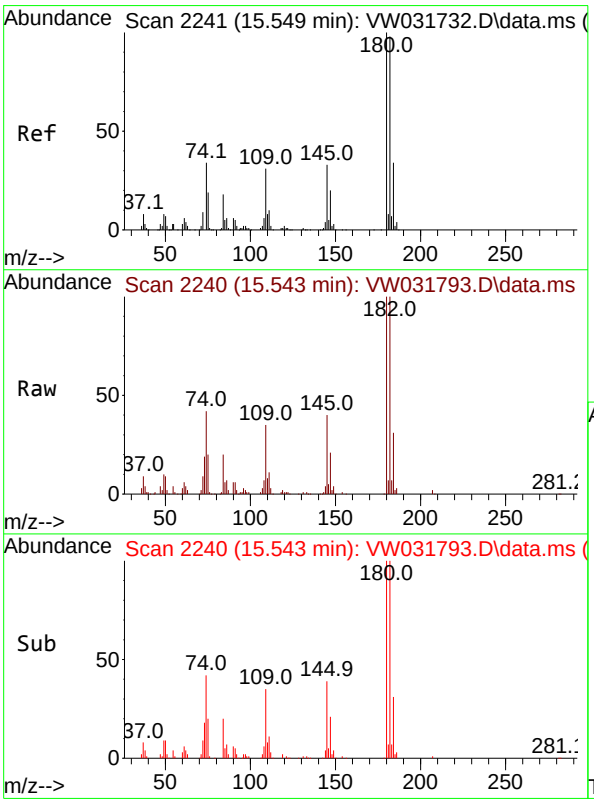
#95
Naphthalene
Concen: 18.963 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBS01

Tgt Ion:128 Resp: 159288

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.9	8.7	13.1

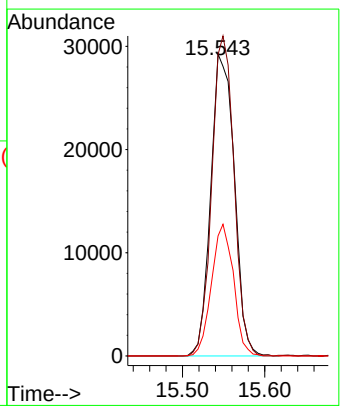




#96
1,2,3-Trichlorobenzene
Concen: 18.480 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW031793.D
Acq: 10 Jul 2025 11:05

Tgt Ion:180 Resp: 58180

Ion	Ratio	Lower	Upper
180	100		
182	99.9	46.4	139.1
145	40.7	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	226314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	415001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167289	51.507	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.020%			
35) Dibromofluoromethane	7.904	113	135149	49.906	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.820%			
50) Toluene-d8	10.325	98	501996	49.812	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.617	95	192442	51.890	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 103.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	30178	19.580	ug/l	96
3) Chloromethane	2.259	50	36073	19.413	ug/l	97
4) Vinyl Chloride	2.405	62	50581	20.710	ug/l	95
5) Bromomethane	2.826	94	35400	18.557	ug/l	98
6) Chloroethane	2.972	64	32192	19.404	ug/l	97
7) Trichlorofluoromethane	3.301	101	36813	16.597	ug/l	94
8) Diethyl Ether	3.722	74	35786	21.232	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50449	20.491	ug/l	98
10) Methyl Iodide	4.314	142	73975	19.491	ug/l	99
11) Tert butyl alcohol	5.228	59	19156	95.202	ug/l	97
12) 1,1-Dichloroethene	4.076	96	54559	20.232	ug/l	91
13) Acrolein	3.929	56	28198	77.971	ug/l	99
14) Allyl chloride	4.704	41	86231	20.841	ug/l	97
15) Acrylonitrile	5.411	53	81557	98.400	ug/l	99
16) Acetone	4.167	43	87339	108.797	ug/l	100
17) Carbon Disulfide	4.417	76	139598	19.345	ug/l	98
18) Methyl Acetate	4.710	43	43494	18.957	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	99089	21.649	ug/l	97
20) Methylene Chloride	4.960	84	86229	24.362	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	59156	20.645	ug/l	96
22) Diisopropyl ether	6.338	45	180751	22.399	ug/l	95
23) Vinyl Acetate	6.283	43	597042	108.322	ug/l	98
24) 1,1-Dichloroethane	6.246	63	110704	21.161	ug/l	98
25) 2-Butanone	7.197	43	119126	114.064	ug/l	98
26) 2,2-Dichloropropane	7.185	77	59909	19.627	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	70581	21.429	ug/l	97
28) Bromochloromethane	7.532	49	49683	21.520	ug/l	97
29) Tetrahydrofuran	7.557	42	71773	100.351	ug/l	100
30) Chloroform	7.691	83	116682	20.990	ug/l	96
31) Cyclohexane	7.971	56	97811	21.151	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	85852	20.040	ug/l	99
36) 1,1-Dichloropropene	8.099	75	82416	21.031	ug/l	99
37) Ethyl Acetate	7.276	43	49846	20.164	ug/l	98
38) Carbon Tetrachloride	8.081	117	78551	19.671	ug/l	97
39) Methylcyclohexane	9.343	83	100339	20.580	ug/l	97
40) Benzene	8.337	78	245359	21.163	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	26501	20.012	ug/l		93
42) 1,2-Dichloroethane	8.410	62	83386	21.286	ug/l		99
43) Isopropyl Acetate	8.435	43	89552	21.016	ug/l		99
44) Trichloroethene	9.105	130	56412	19.495	ug/l		91
45) 1,2-Dichloropropane	9.374	63	59237	21.140	ug/l		95
46) Dibromomethane	9.465	93	37600	20.784	ug/l		97
47) Bromodichloromethane	9.648	83	88183	20.787	ug/l		95
48) Methyl methacrylate	9.441	41	41670	19.888	ug/l		97
49) 1,4-Dioxane	9.465	88	7065	333.450	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.215	43	256230	104.592	ug/l		100
52) Toluene	10.392	92	153896	20.732	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	82051	20.615	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	95884	21.250	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	50955	21.503	ug/l		98
56) Ethyl methacrylate	10.648	69	69105	21.495	ug/l		99
57) 1,3-Dichloropropane	10.934	76	89275	21.458	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	188338	106.389	ug/l		97
59) 2-Hexanone	10.971	43	184311	111.025	ug/l		99
60) Dibromochloromethane	11.129	129	57910	20.436	ug/l		99
61) 1,2-Dibromoethane	11.239	107	48539	20.461	ug/l		98
64) Tetrachloroethene	10.861	164	45851	19.175	ug/l		84
65) Chlorobenzene	11.654	112	170652	21.158	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	53380	20.769	ug/l		96
67) Ethyl Benzene	11.727	91	297893	21.300	ug/l		95
68) m/p-Xylenes	11.837	106	224986	41.847	ug/l		99
69) o-Xylene	12.166	106	104943	21.082	ug/l		98
70) Styrene	12.178	104	184086	21.391	ug/l		99
71) Bromoform	12.349	173	29851	19.469	ug/l	#	99
73) Isopropylbenzene	12.464	105	279027	21.126	ug/l		99
74) N-amyl acetate	12.269	43	79743	22.400	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	62348	21.263	ug/l		98
76) 1,2,3-Trichloropropane	12.769	75	80433	35.846	ug/l	#	1
77) Bromobenzene	12.745	156	60742	20.620	ug/l		94
78) n-propylbenzene	12.800	91	344945	21.810	ug/l		97
79) 2-Chlorotoluene	12.885	91	205314	21.558	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	235670	21.556	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.507	75	19026	19.749	ug/l		88
82) 4-Chlorotoluene	12.983	91	214521	21.454	ug/l		99
83) tert-Butylbenzene	13.202	119	198401	21.186	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	240630	21.723	ug/l		100
85) sec-Butylbenzene	13.379	105	301636	21.459	ug/l		100
86) p-Isopropyltoluene	13.495	119	250318	21.608	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	129646	21.946	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	124248	20.548	ug/l		95
89) n-Butylbenzene	13.818	91	238633	21.201	ug/l		99
90) Hexachloroethane	14.086	117	42207	20.195	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	112201	20.780	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11405	19.920	ug/l		91
93) 1,2,4-Trichlorobenzene	15.129	180	66095	19.848	ug/l		97
94) Hexachlorobutadiene	15.226	225	29695	18.467	ug/l		96
95) Naphthalene	15.360	128	167135	20.472	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	59518	19.452	ug/l		93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

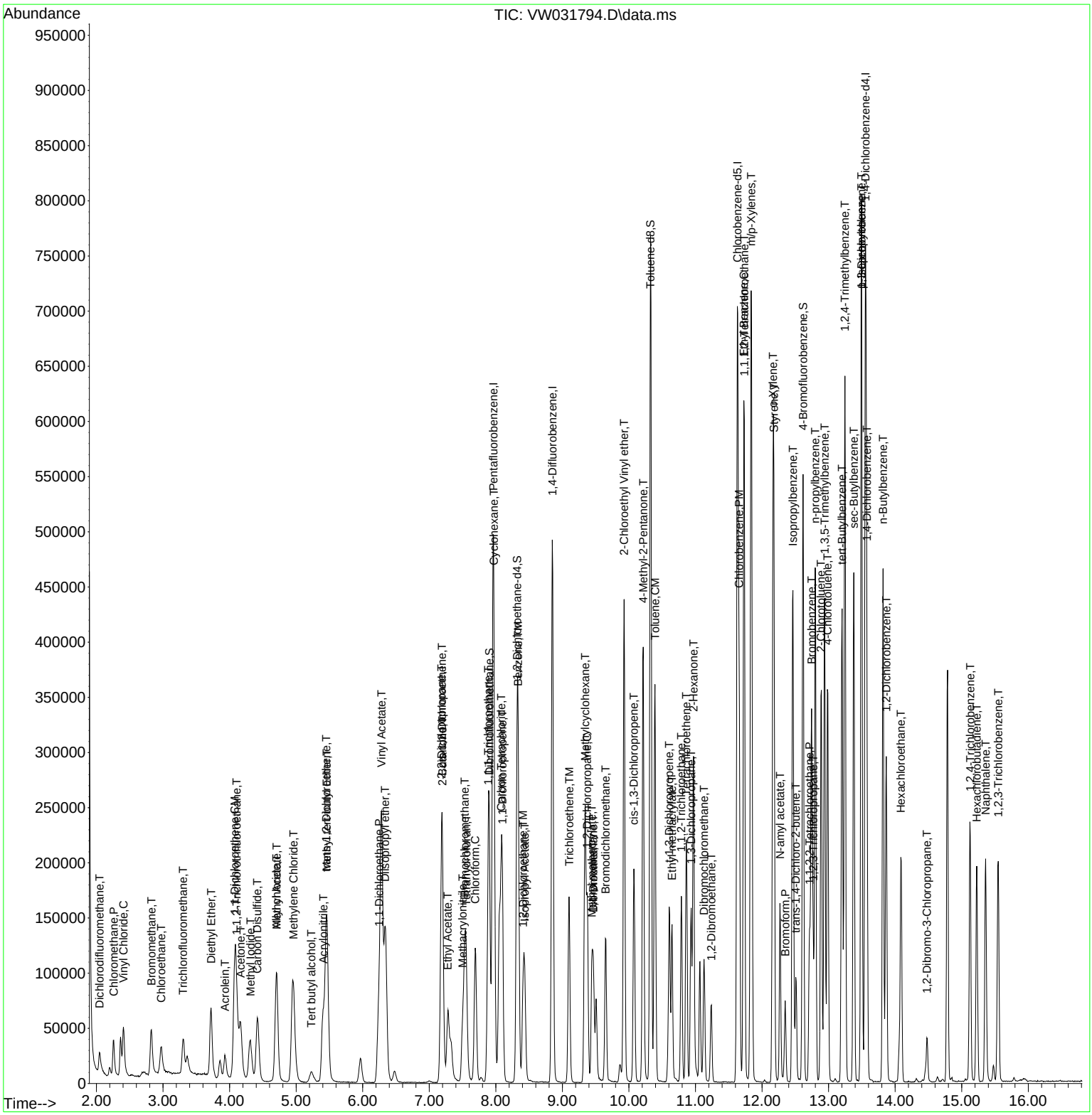
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

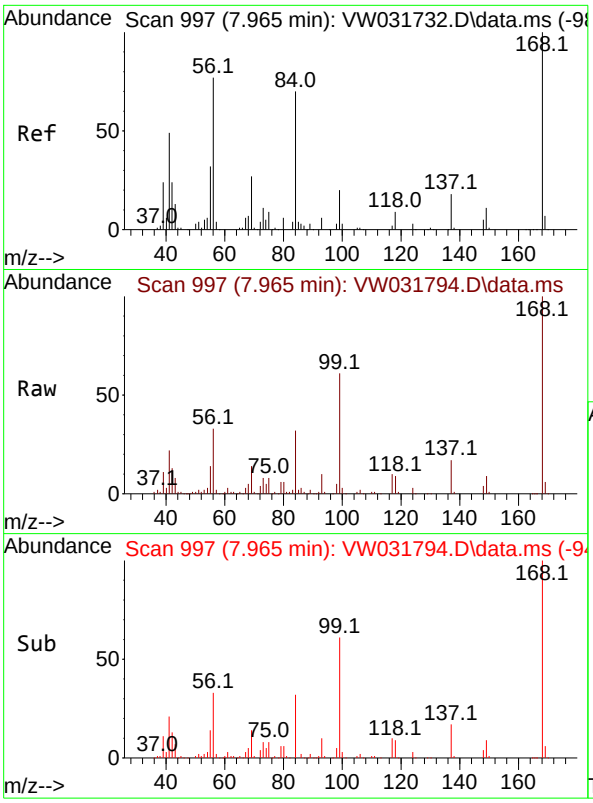
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031794.D
Acq On : 10 Jul 2025 11:33
Operator : SY/MD
Sample : VW0710SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Quant Time: Jul 11 02:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



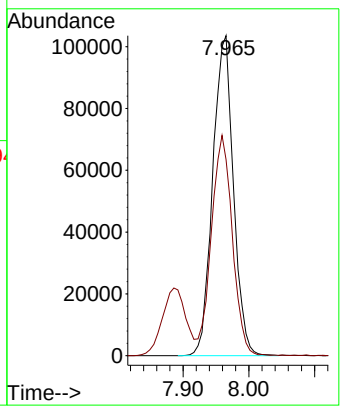


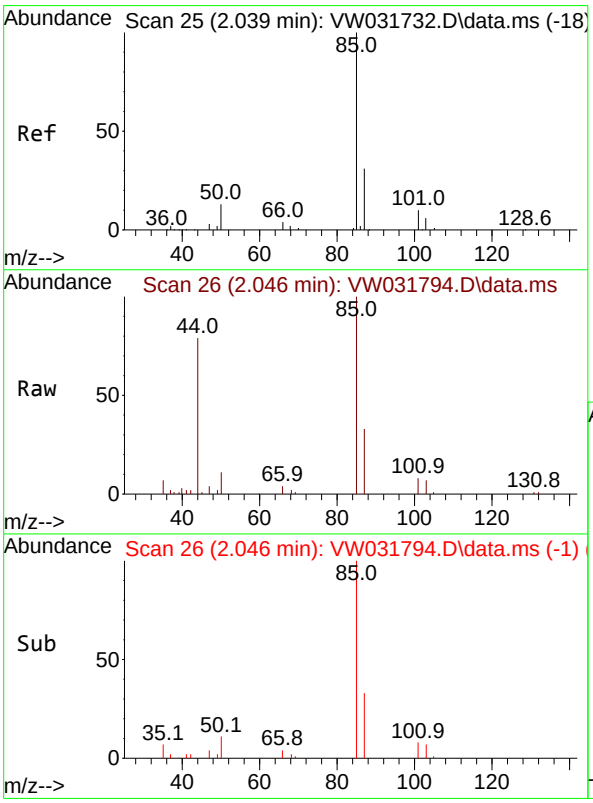
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:168 Resp: 226314

Ion	Ratio	Lower	Upper
168	100		
99	61.2	49.4	74.2

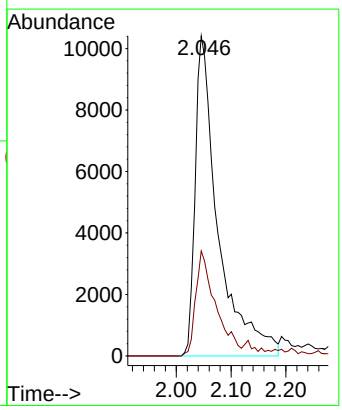


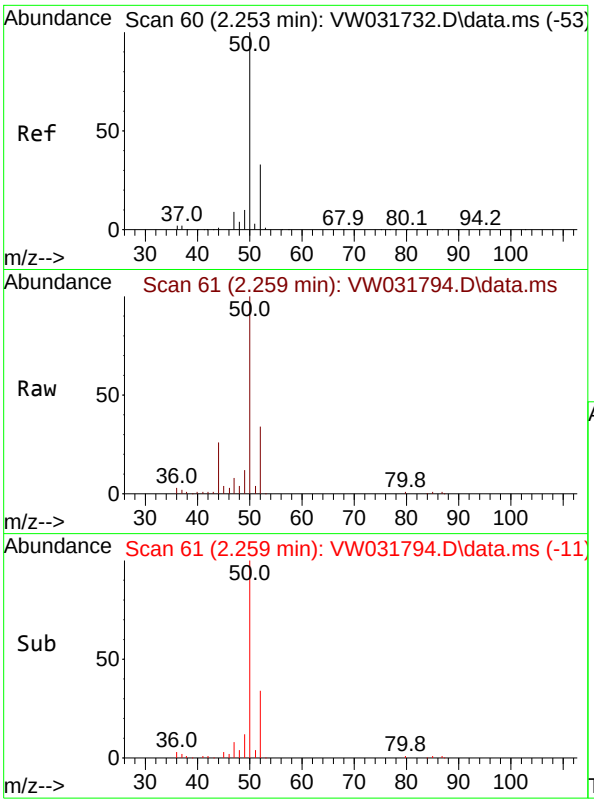


#2
Dichlorodifluoromethane
Concen: 19.580 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 85 Resp: 30178

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.4	46.2



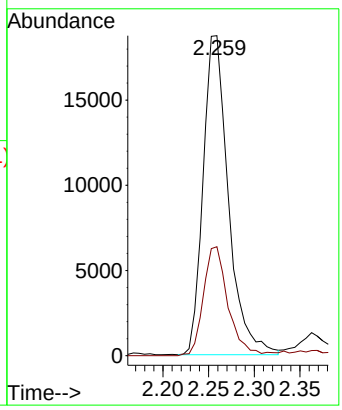


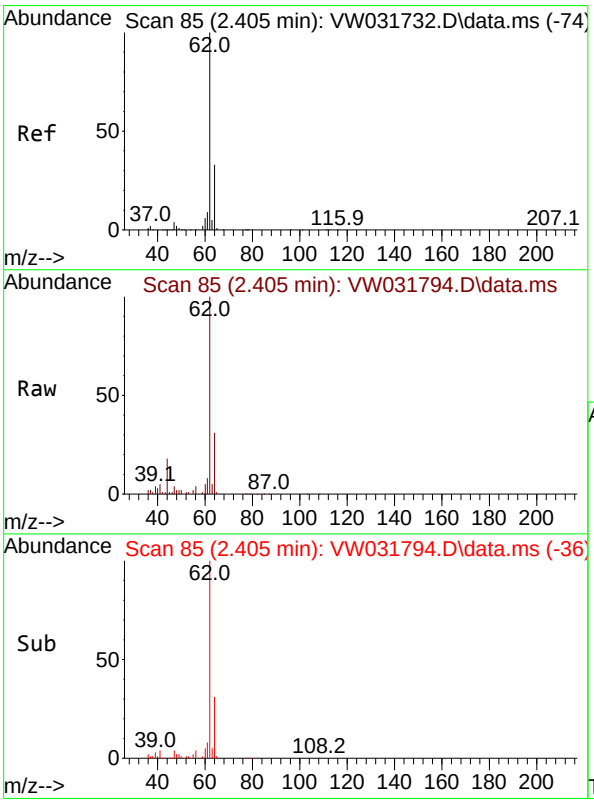
#3
Chloromethane
Concen: 19.413 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 50 Resp: 36073

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.2	39.2

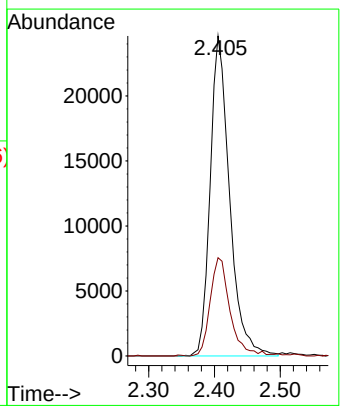


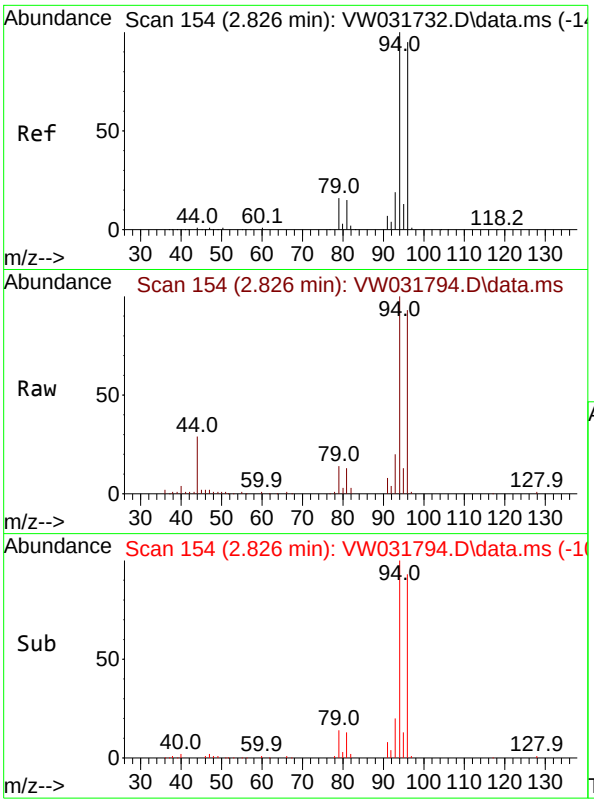


#4
Vinyl Chloride
Concen: 20.710 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 62 Resp: 50581

Ion	Ratio	Lower	Upper
62	100		
64	30.4	26.8	40.2



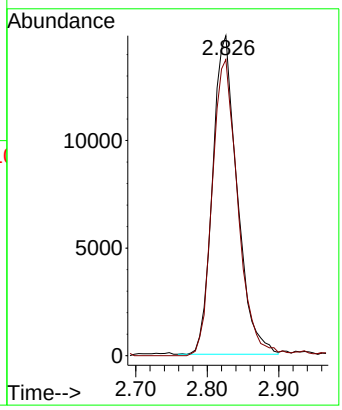


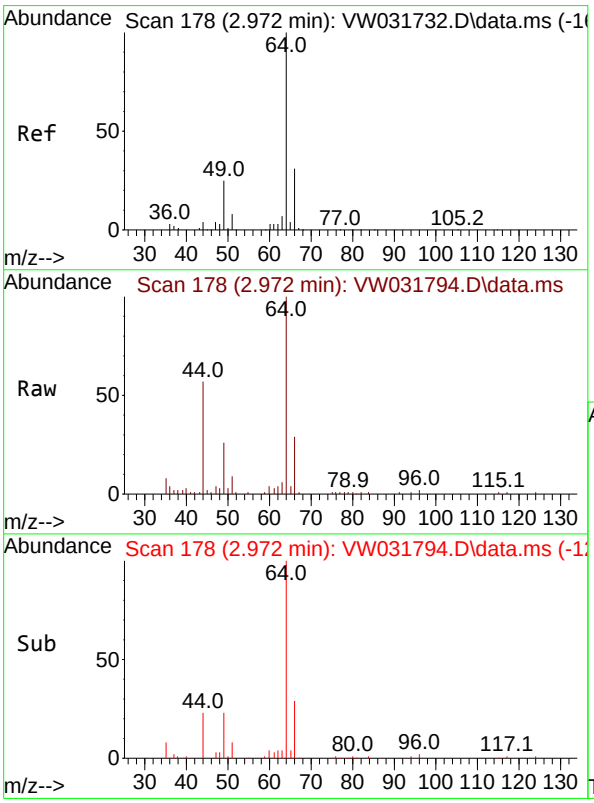
#5
Bromomethane
Concen: 18.557 ug/l
RT: 2.826 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 94 Resp: 35400

Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.6	113.4

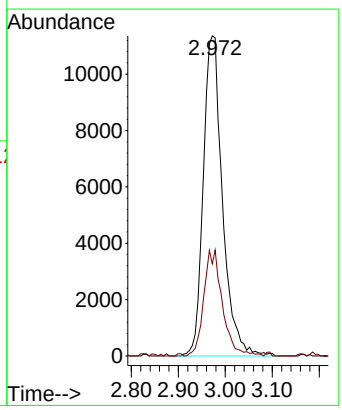


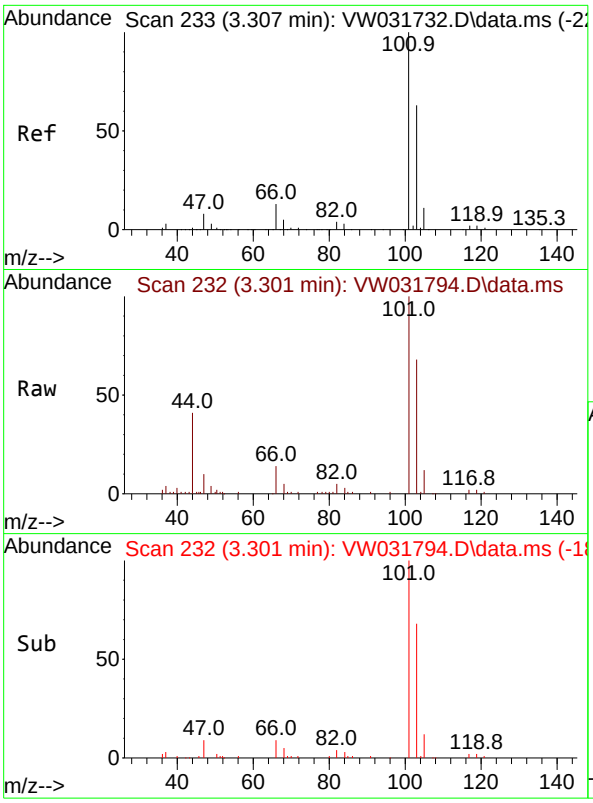


#6
Chloroethane
Concen: 19.404 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 64 Resp: 32192

Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.5	36.7



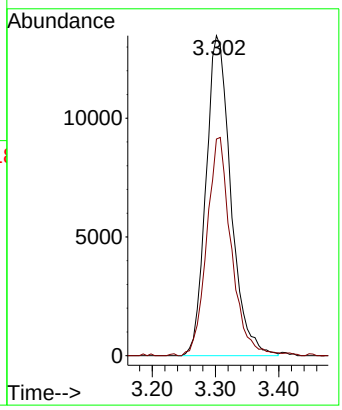


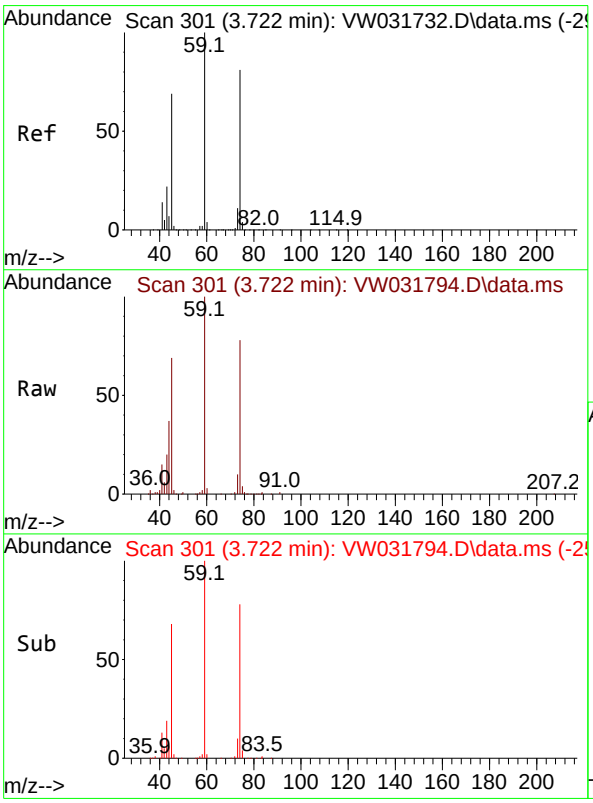
#7
Trichlorofluoromethane
Concen: 16.597 ug/l
RT: 3.301 min Scan# 2
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:101 Resp: 36813

Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.2	75.4

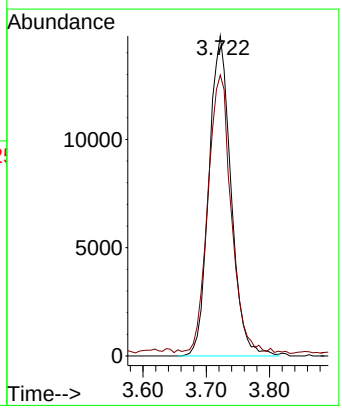


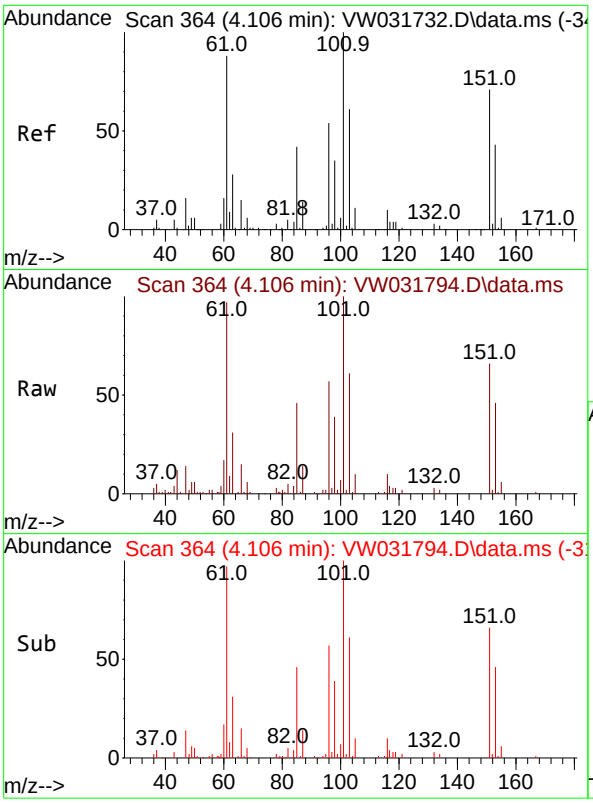


#8
Diethyl Ether
Concen: 21.232 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 74 Resp: 35786

Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.9	131.7



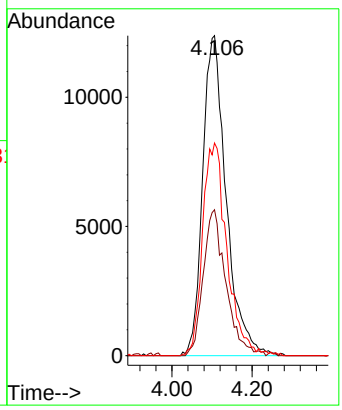


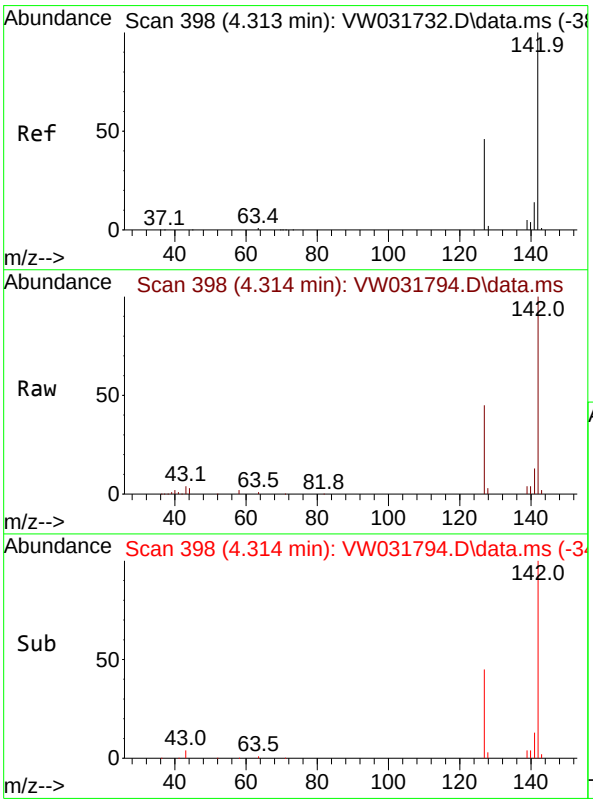
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.491 ug/l
RT: 4.106 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:101 Resp: 50449

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.6	53.4
151	68.8	56.8	85.2

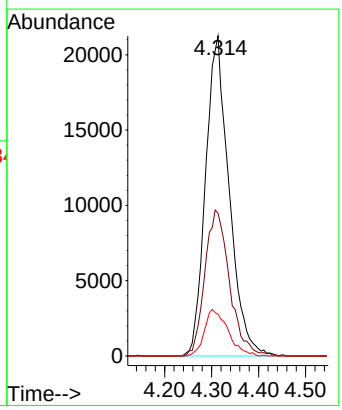


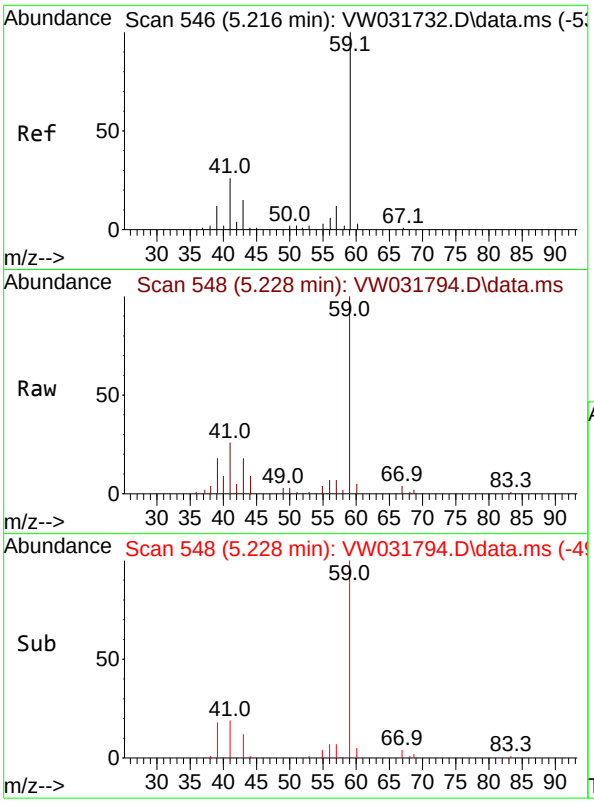


#10
Methyl Iodide
Concen: 19.491 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:142 Resp: 73975

Ion	Ratio	Lower	Upper
142	100		
127	47.9	37.9	56.9
141	14.5	11.7	17.5



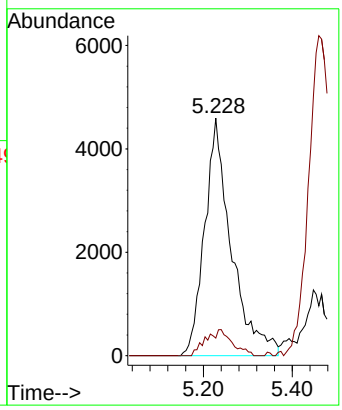


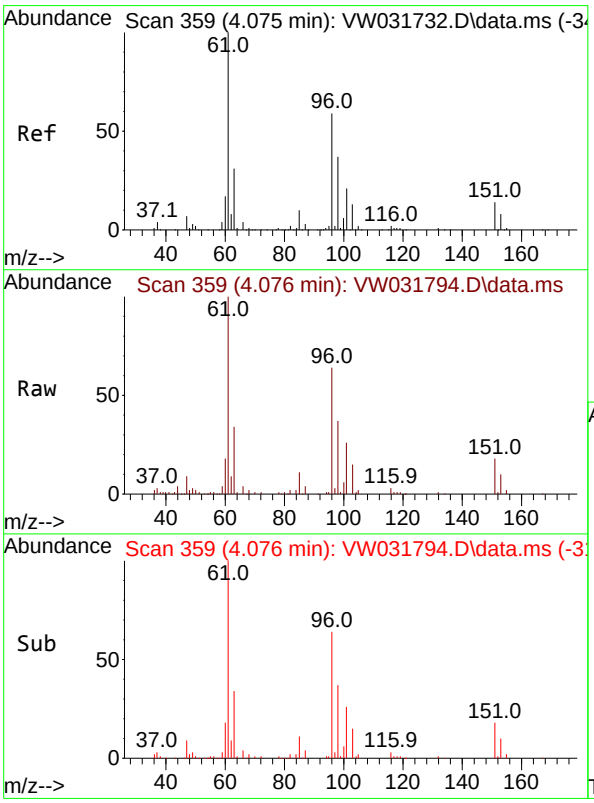
#11
Tert butyl alcohol
Concen: 95.202 ug/l
RT: 5.228 min Scan# 54
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 59 Resp: 19156

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.5	14.3

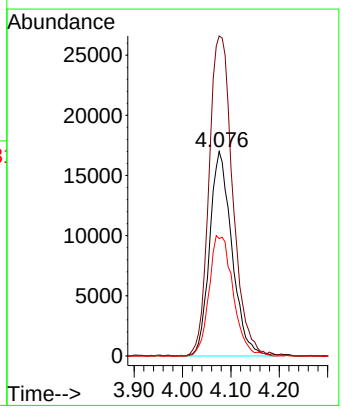


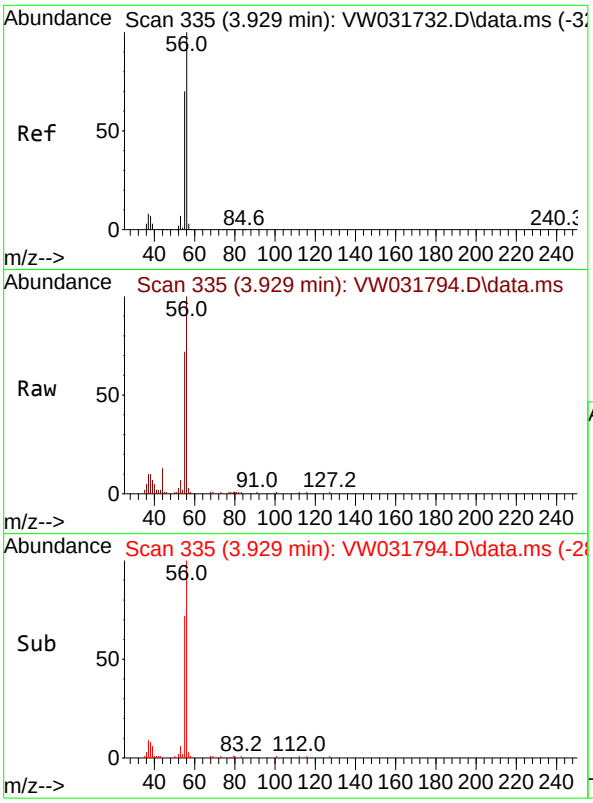


#12
1,1-Dichloroethene
Concen: 20.232 ug/l
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 96 Resp: 54559

Ion	Ratio	Lower	Upper
96	100		
61	156.5	135.8	203.8
98	57.4	50.4	75.6



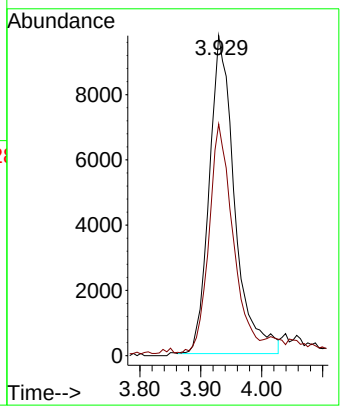


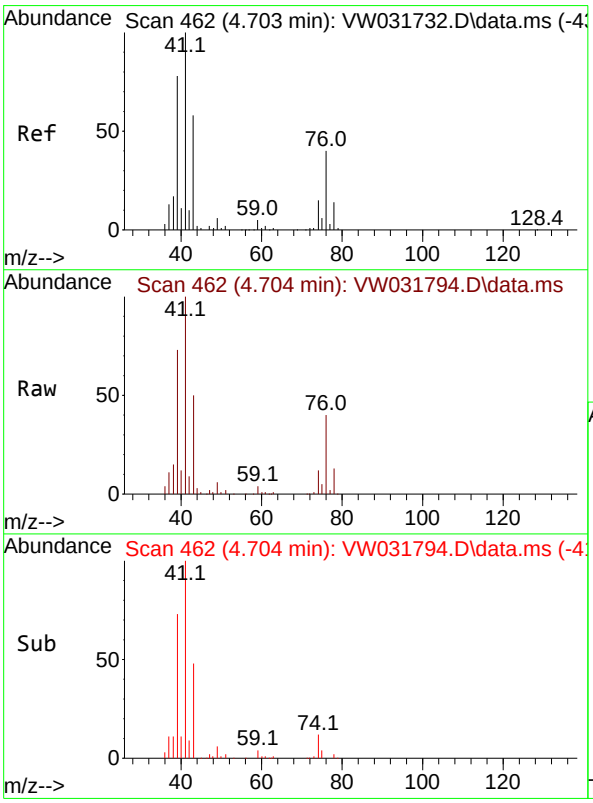
#13
Acrolein
Concen: 77.971 ug/l
RT: 3.929 min Scan# 3
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 56 Resp: 28198

Ion	Ratio	Lower	Upper
56	100		
55	68.0	54.0	81.0

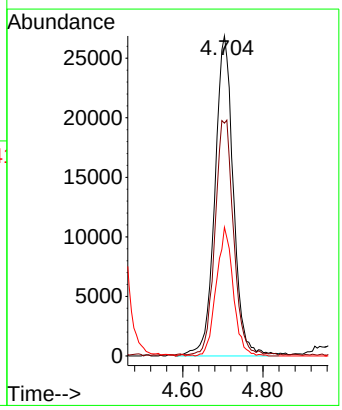


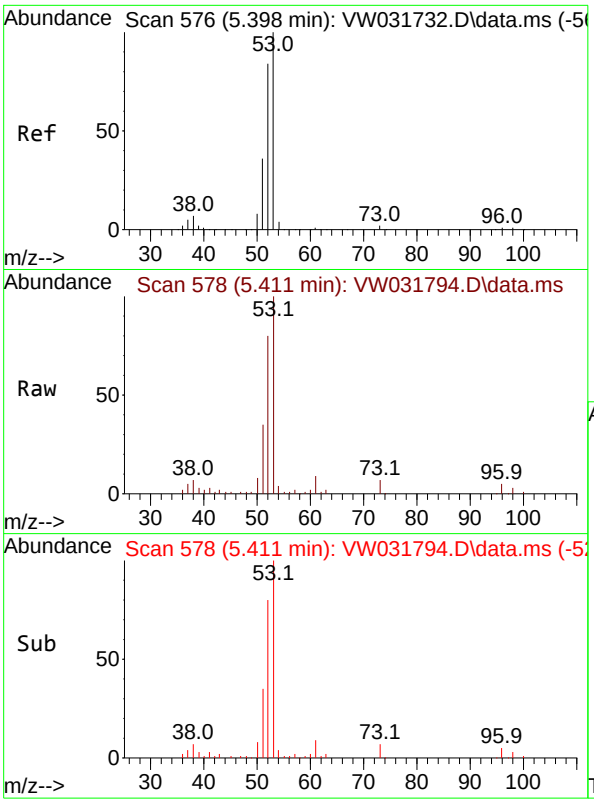


#14
Allyl chloride
Concen: 20.841 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 41 Resp: 86231

Ion	Ratio	Lower	Upper
41	100		
39	72.8	60.7	91.1
76	36.7	30.3	45.5



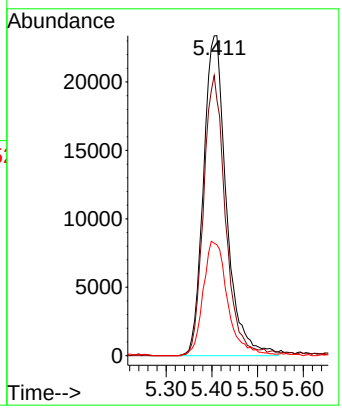


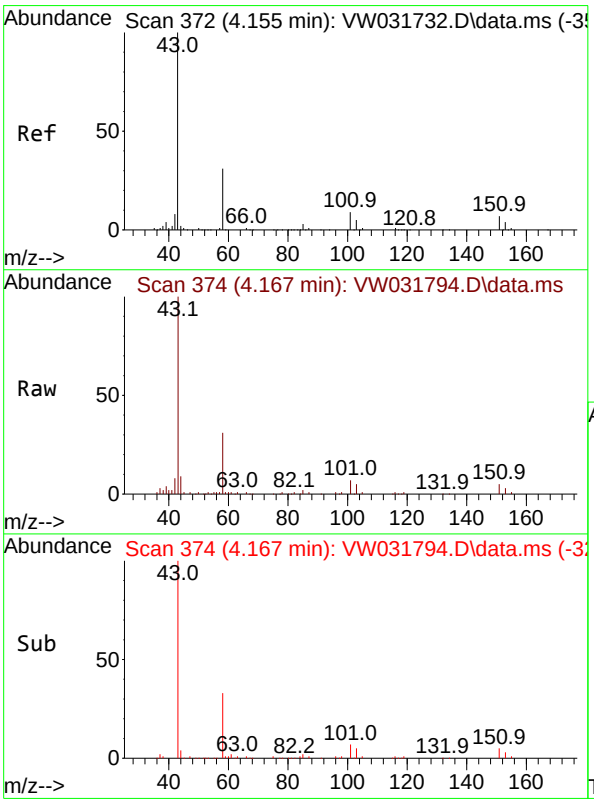
#15
Acrylonitrile
Concen: 98.400 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 53 Resp: 81557

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	38.1	29.9	44.9

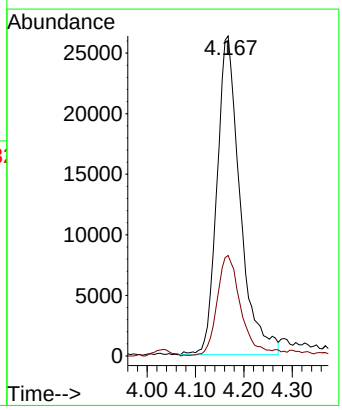


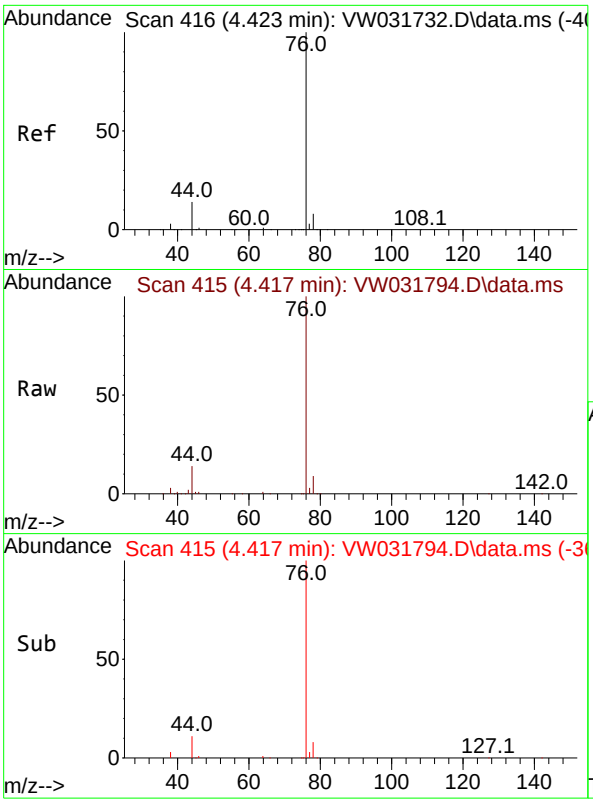


#16
Acetone
Concen: 108.797 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 87339

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2



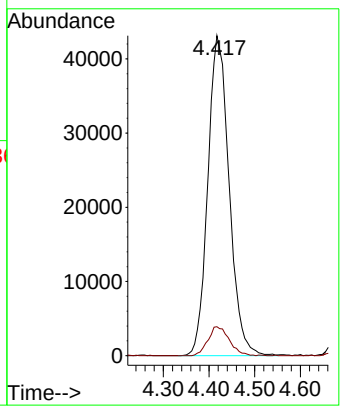


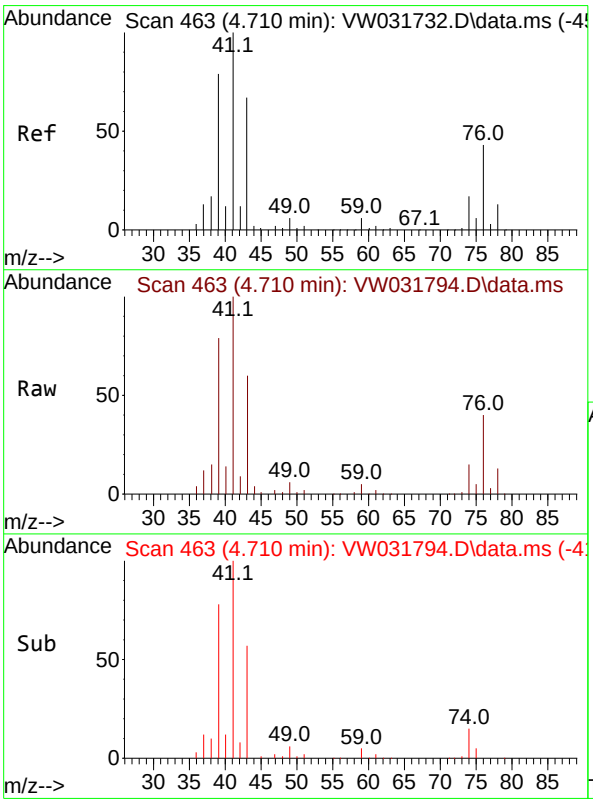
#17
Carbon Disulfide
Concen: 19.345 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 76 Resp: 139598

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.6	10.0

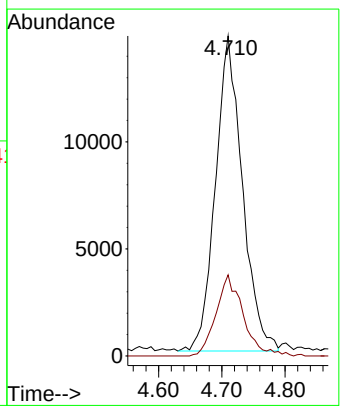


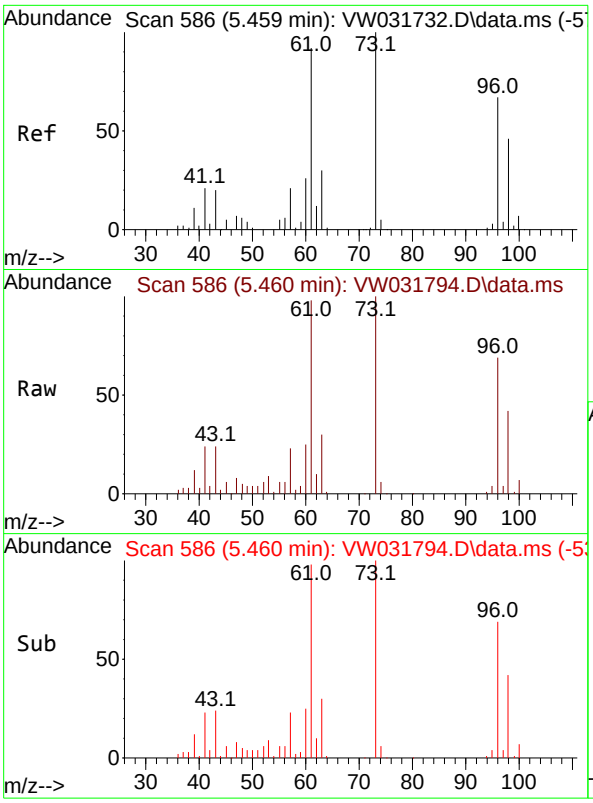


#18
Methyl Acetate
Concen: 18.957 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 43494

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	30.8



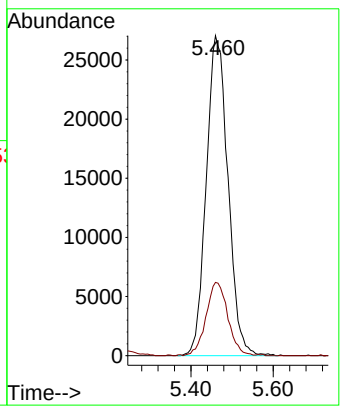


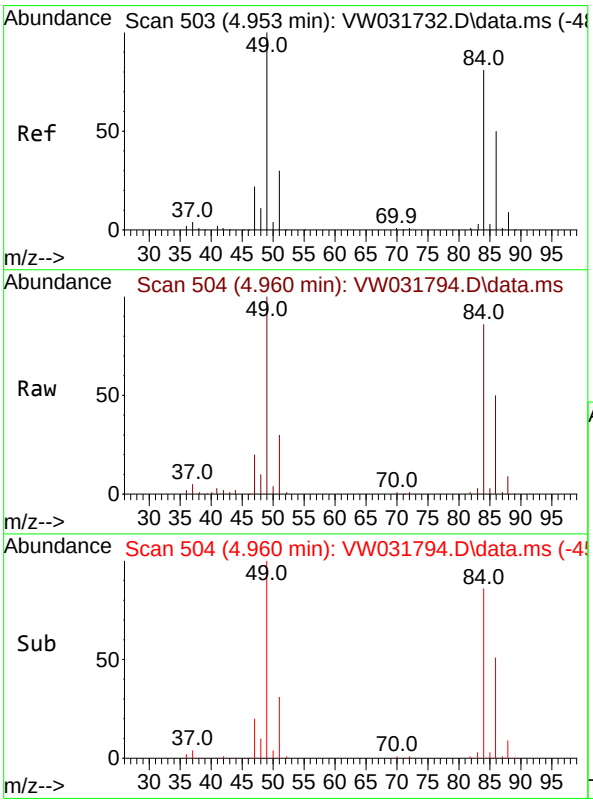
#19
Methyl tert-butyl Ether
Concen: 21.649 ug/l
RT: 5.460 min Scan# 5
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 73 Resp: 99089

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.2	25.8

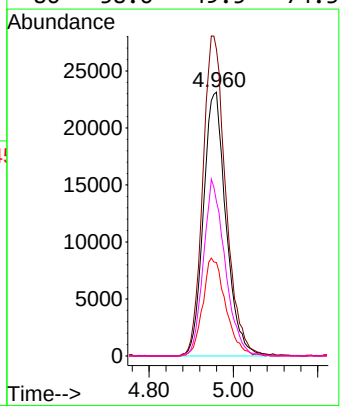


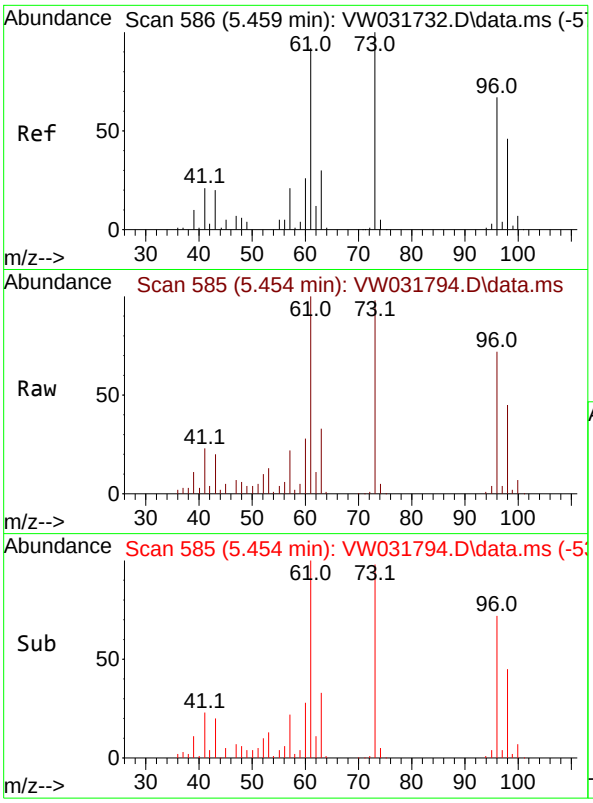


#20
Methylene Chloride
Concen: 24.362 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 84 Resp: 86229

Ion	Ratio	Lower	Upper
84	100		
49	116.2	98.2	147.4
51	35.4	29.8	44.8
86	58.6	49.5	74.3



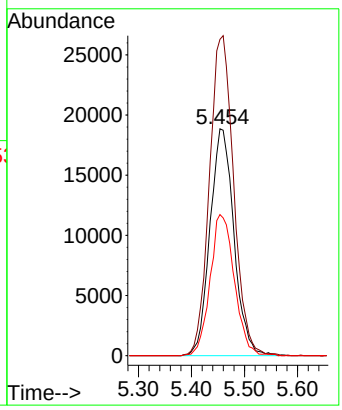


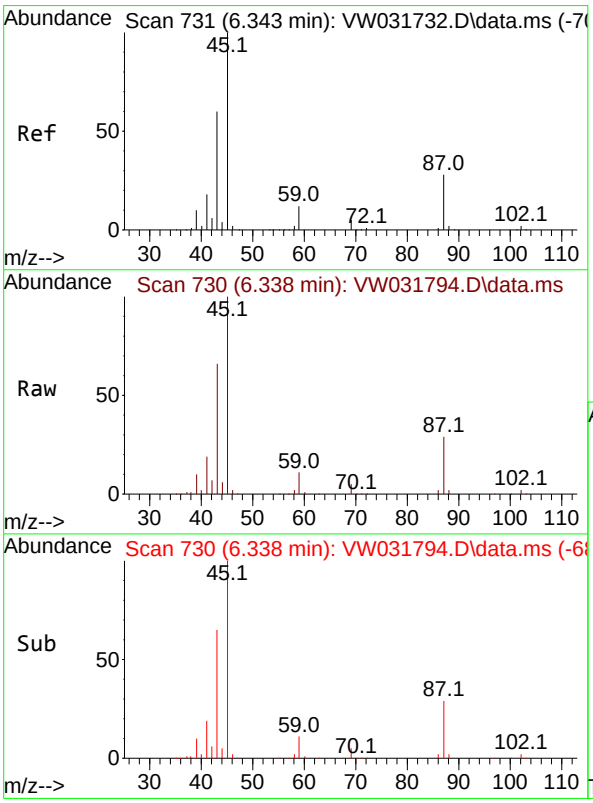
#21
trans-1,2-Dichloroethene
Concen: 20.645 ug/l
RT: 5.454 min Scan# 5
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 96 Resp: 59156

Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.8	164.6
98	62.2	54.9	82.3

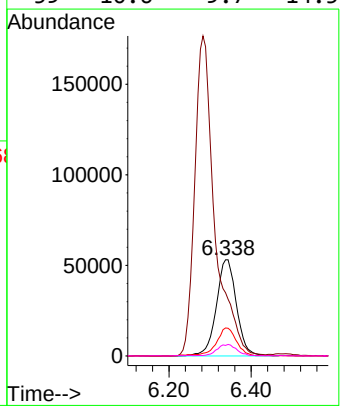


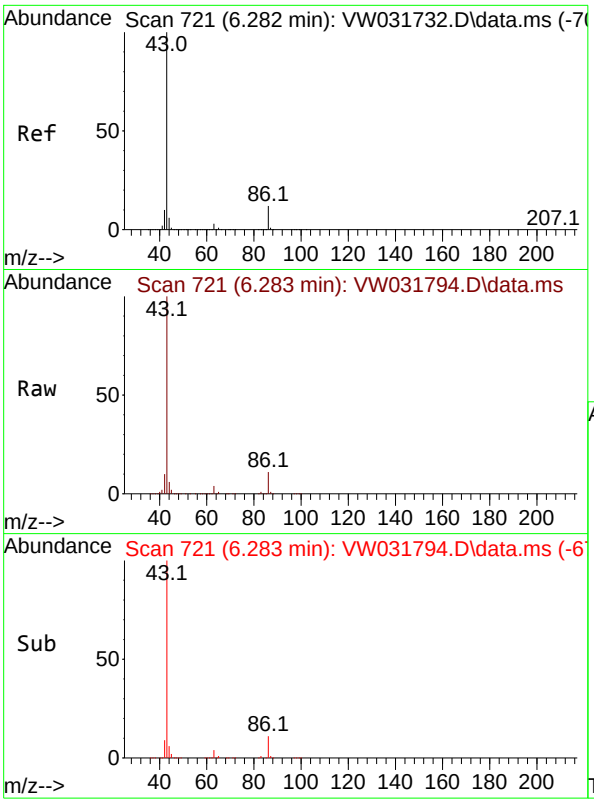


#22
Diisopropyl ether
Concen: 22.399 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 45 Resp: 180751

Ion	Ratio	Lower	Upper
45	100		
43	65.3	48.3	72.5
87	28.8	22.6	34.0
59	10.6	9.7	14.5



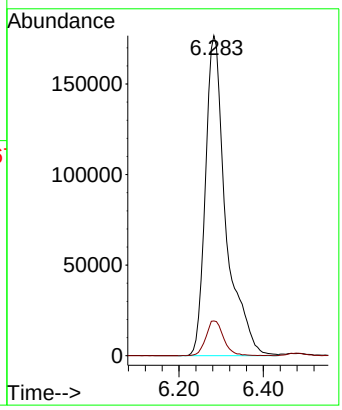


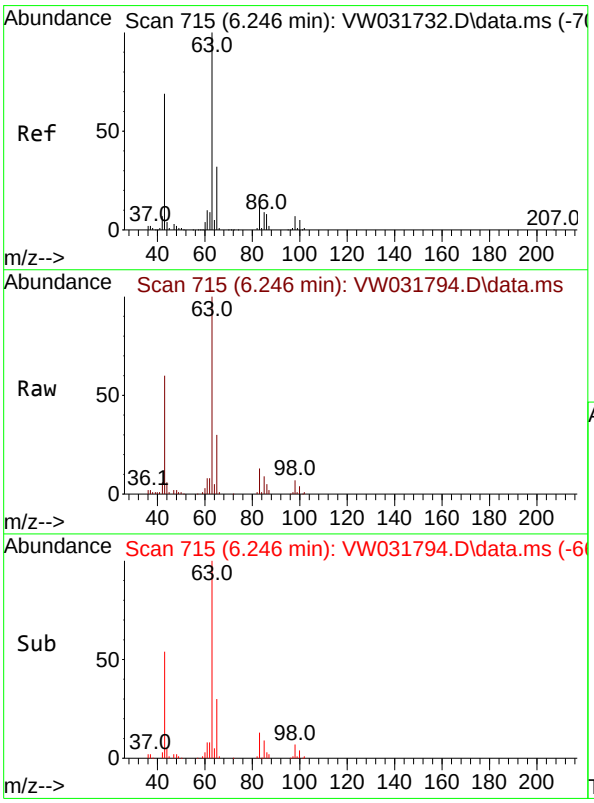
#23
Vinyl Acetate
Concen: 108.322 ug/l
RT: 6.283 min Scan# 7
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 597042

Ion	Ratio	Lower	Upper
43	100		
86	10.8	9.2	13.8

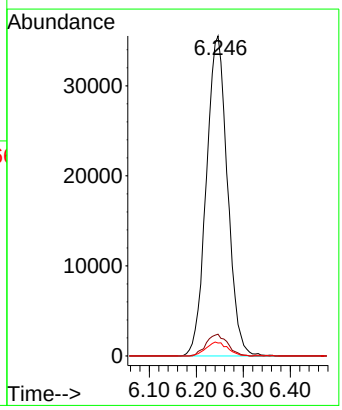


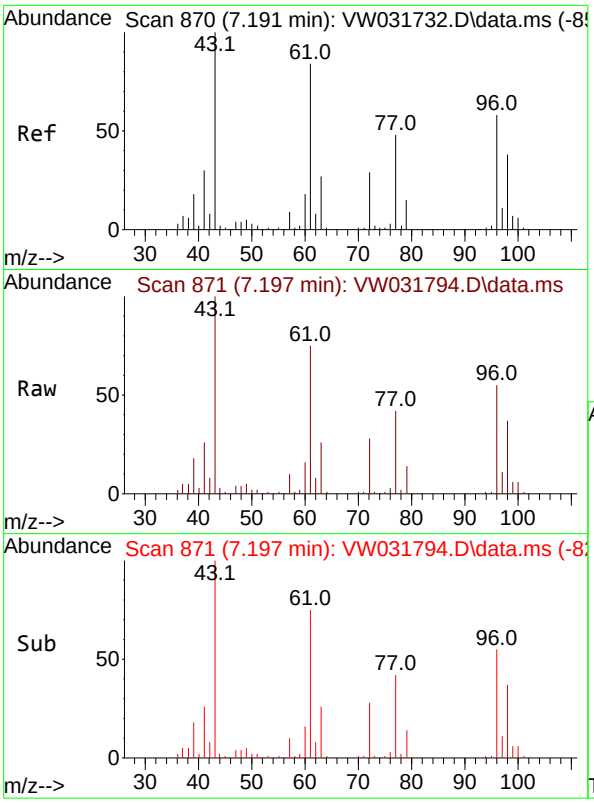


#24
1,1-Dichloroethane
Concen: 21.161 ug/l
RT: 6.246 min Scan# 715
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 63 Resp: 110704

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.6
100	4.1	2.5	7.5



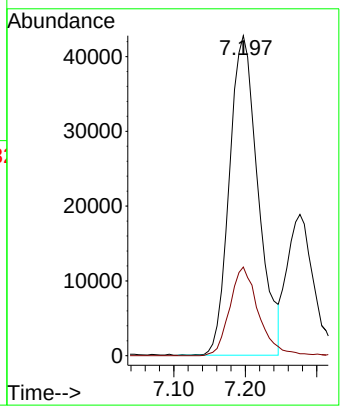


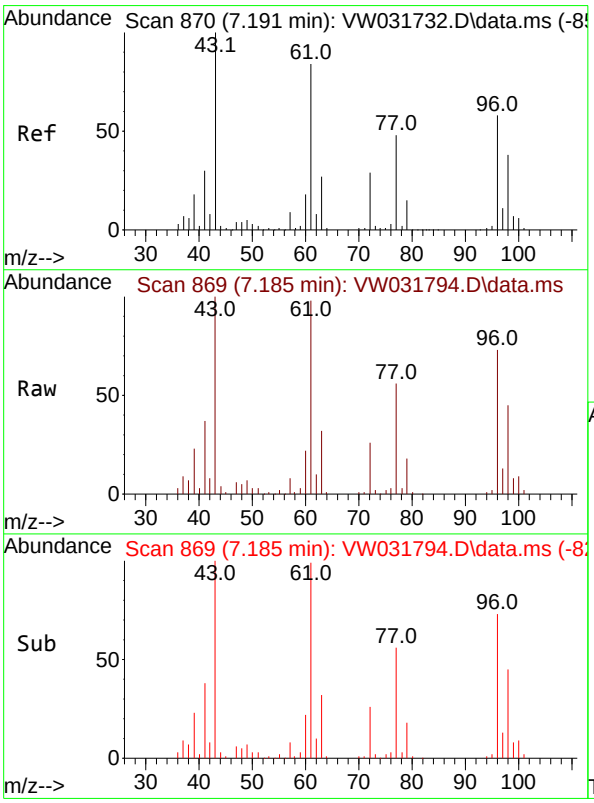
#25
2-Butanone
Concen: 114.064 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 119126

Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.0	34.6

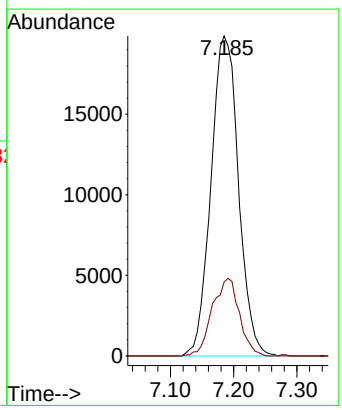


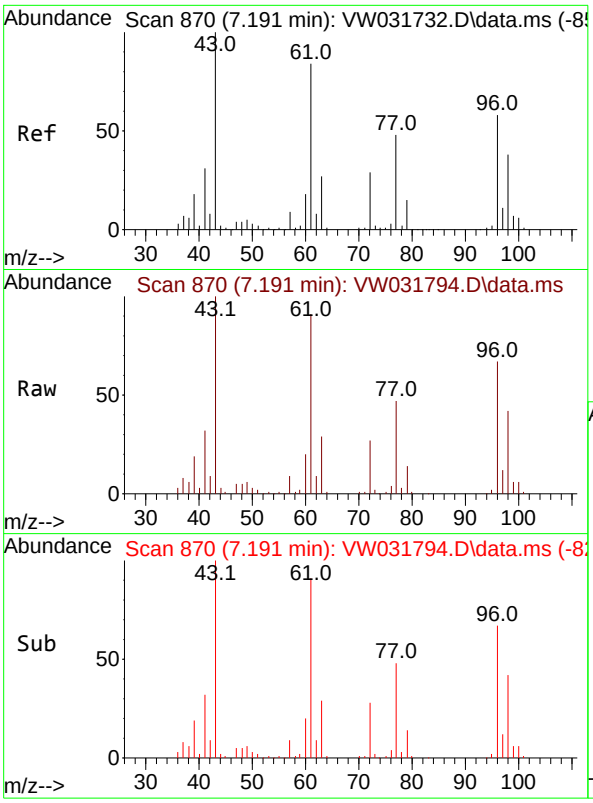


#26
2,2-Dichloropropane
Concen: 19.627 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 77 Resp: 59909

Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.6	34.7



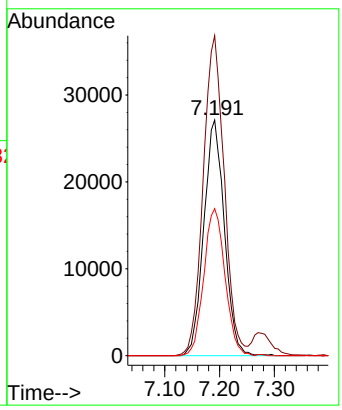


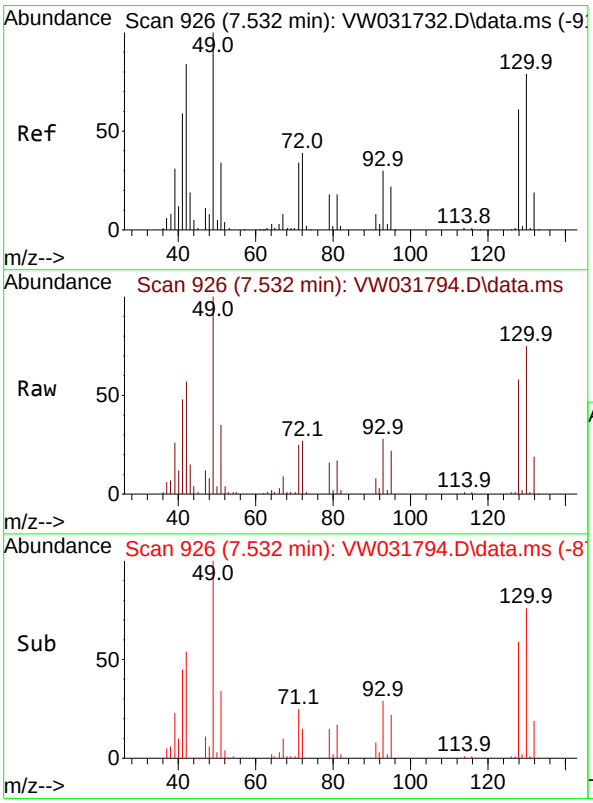
#27
cis-1,2-Dichloroethene
Concen: 21.429 ug/l
RT: 7.191 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 96 Resp: 70581

Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	286.8
98	64.2	0.0	130.4

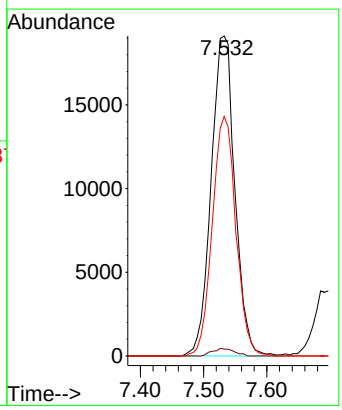


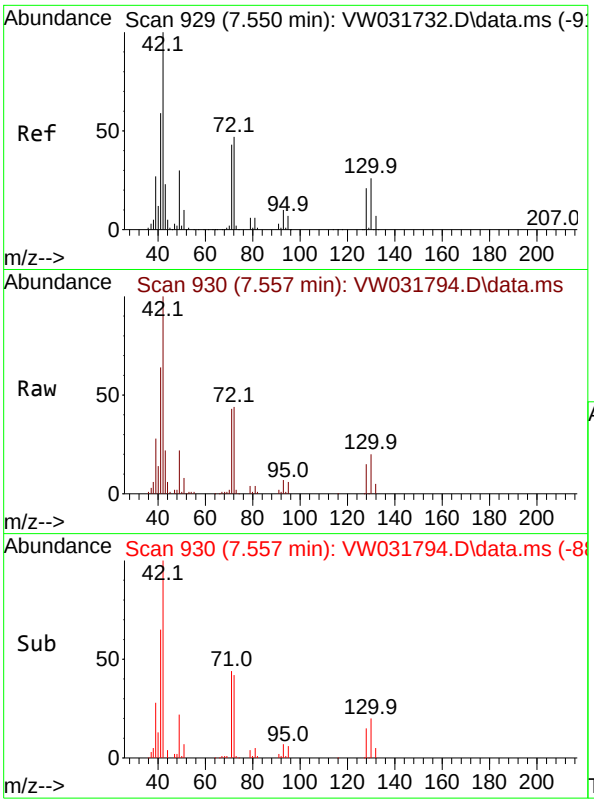


#28
Bromochloromethane
Concen: 21.520 ug/l
RT: 7.532 min Scan# 926
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 49 Resp: 49683

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	74.4	61.3	91.9



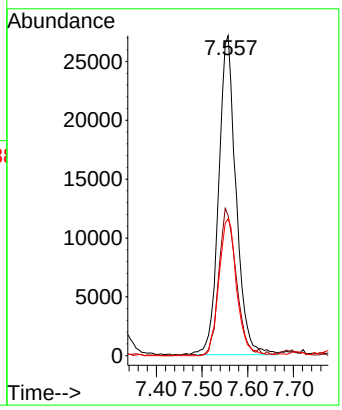


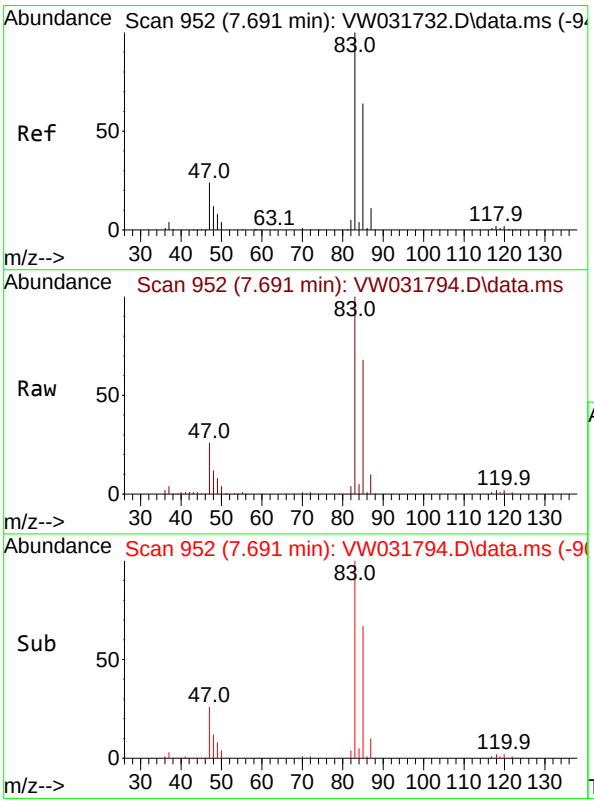
#29
Tetrahydrofuran
Concen: 100.351 ug/l
RT: 7.557 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 42 Resp: 71773

Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.8	55.2
71	43.8	34.6	52.0

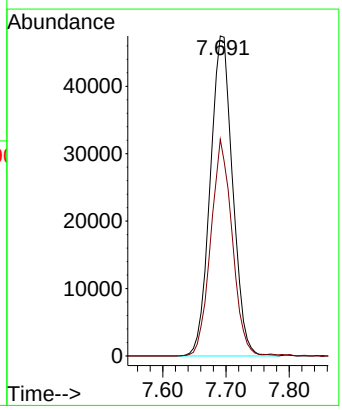


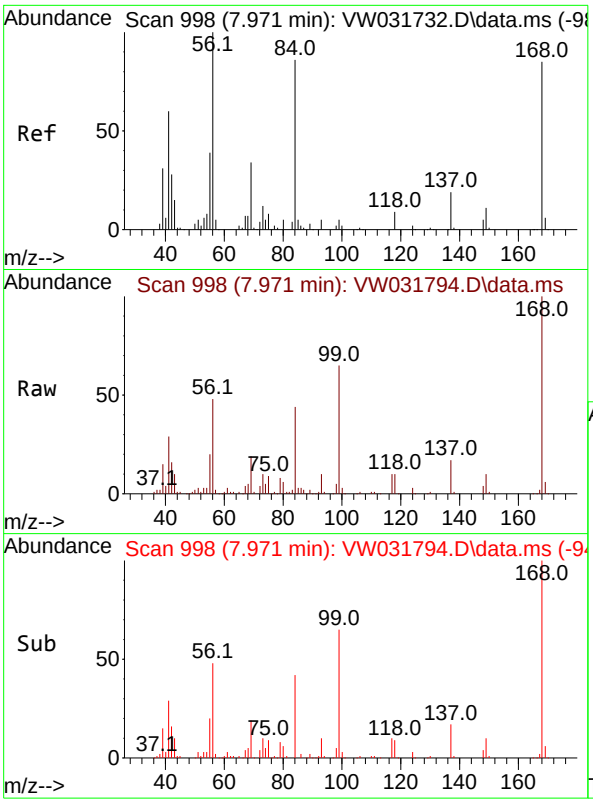


#30
Chloroform
Concen: 20.990 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 83 Resp: 116682

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.4	77.0



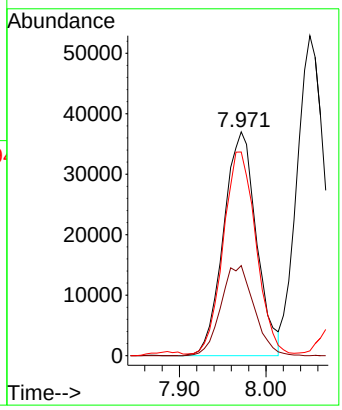


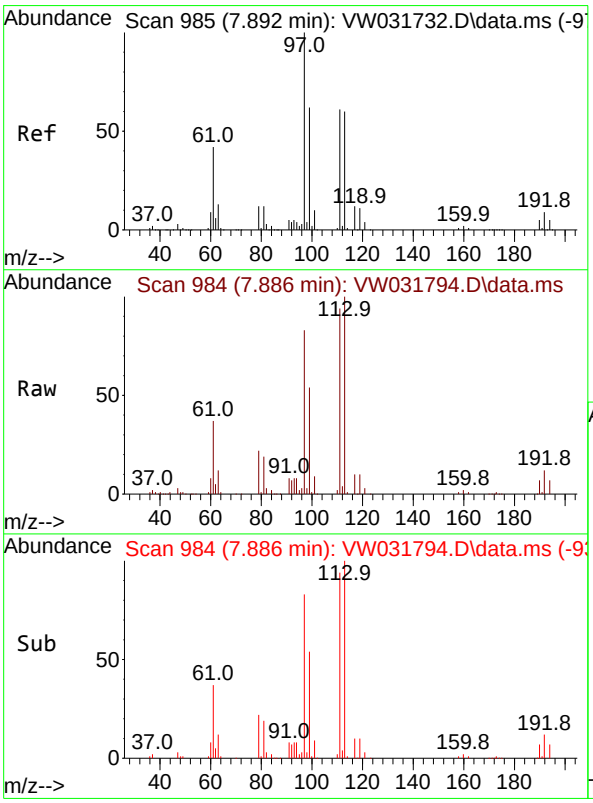
#31
Cyclohexane
Concen: 21.151 ug/l
RT: 7.971 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 56 Resp: 97811

Ion	Ratio	Lower	Upper
56	100		
69	40.2	27.2	40.8
84	89.3	68.5	102.7

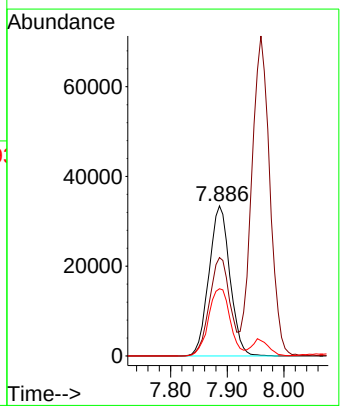


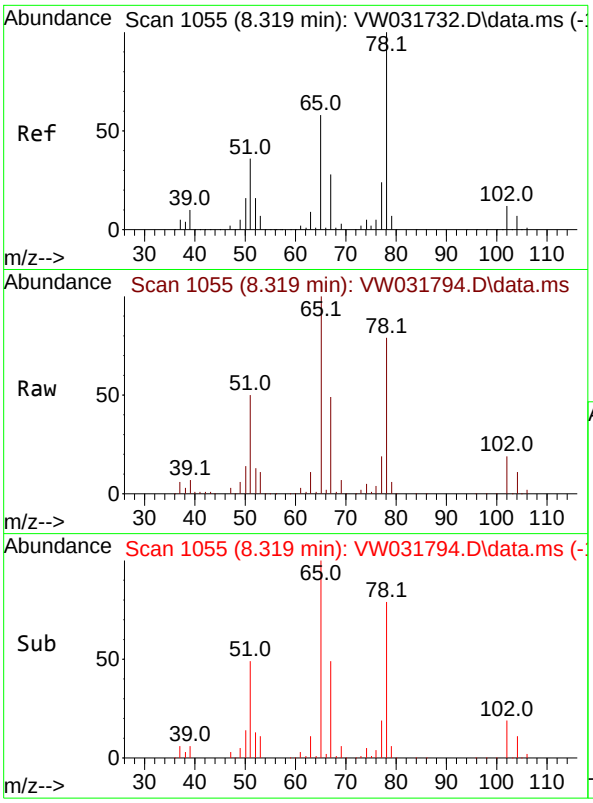


#32
1,1,1-Trichloroethane
Concen: 20.040 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 97 Resp: 85852

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	46.2	36.0	54.0



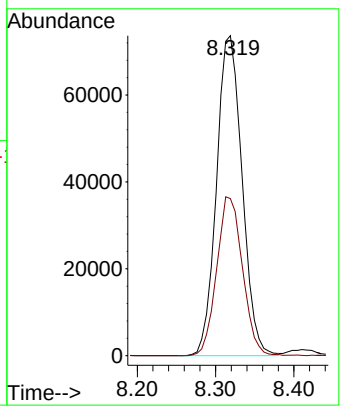


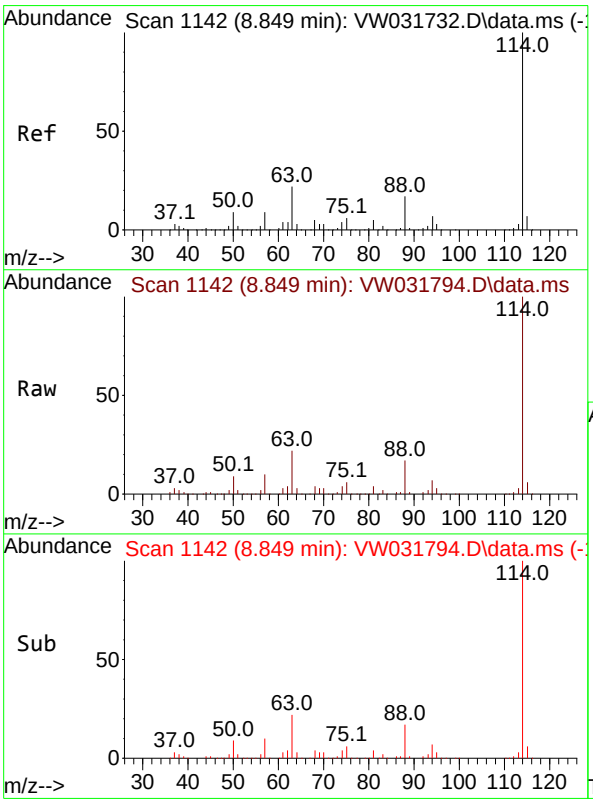
#33
1,2-Dichloroethane-d4
Concen: 51.507 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 65 Resp: 167289

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.4

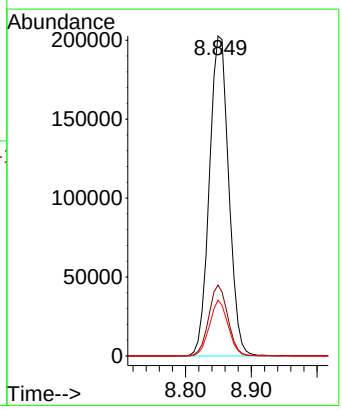


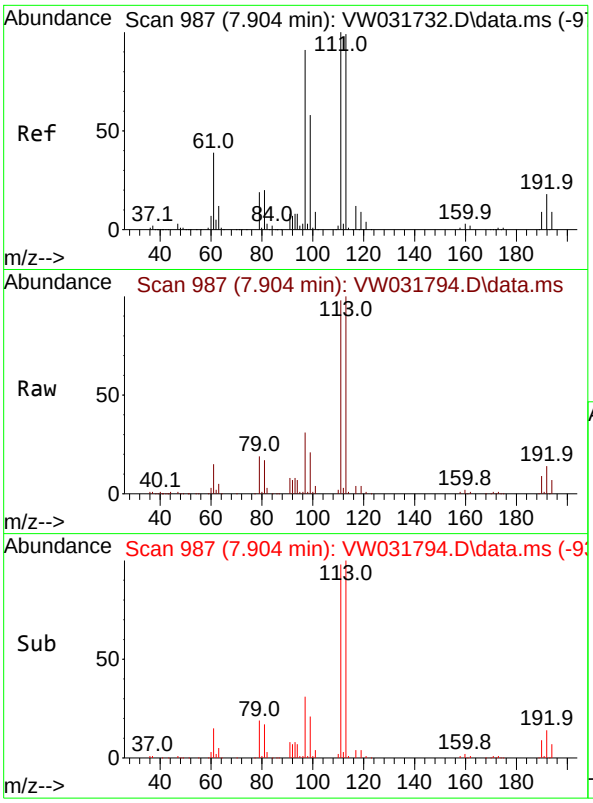


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:114 Resp: 415001

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.6
88	17.5	0.0	34.2



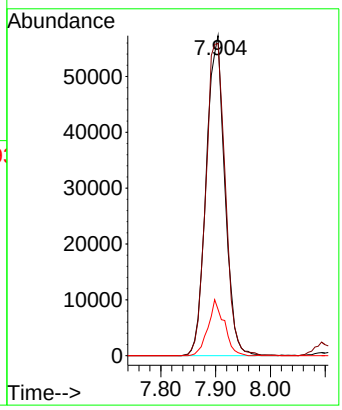


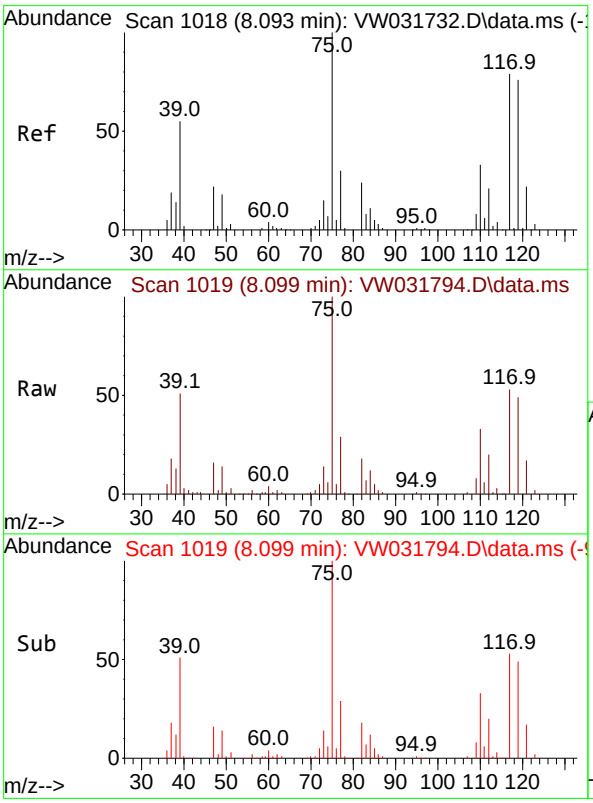
#35
Dibromofluoromethane
Concen: 49.906 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:113 Resp: 135149

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.1	123.1
192	15.4	13.8	20.6

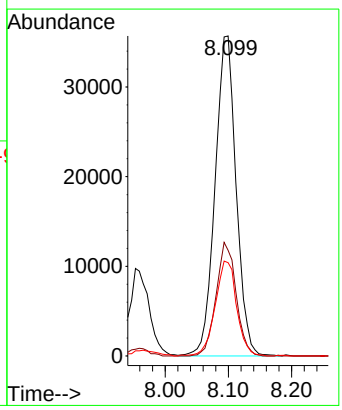


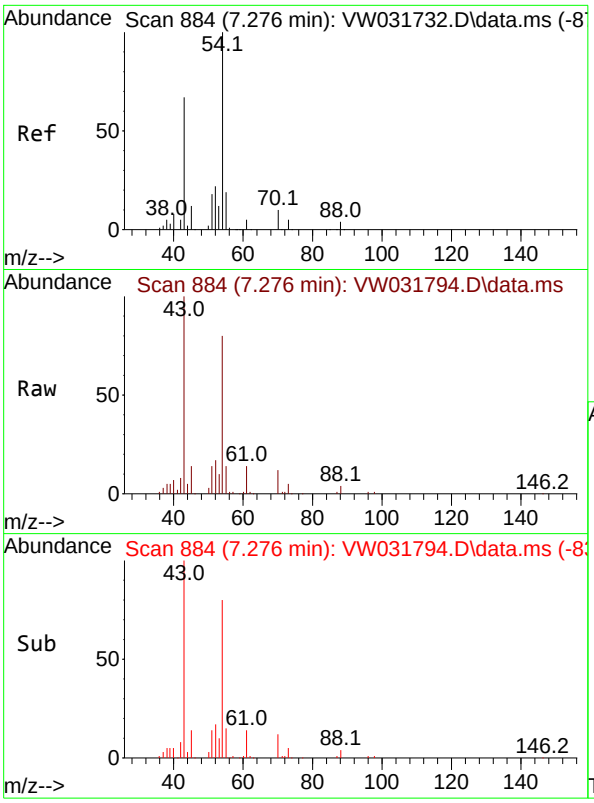


#36
1,1-Dichloropropene
Concen: 21.031 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 82416

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	30.2	25.0	37.6



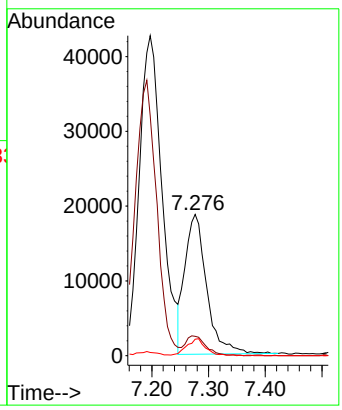


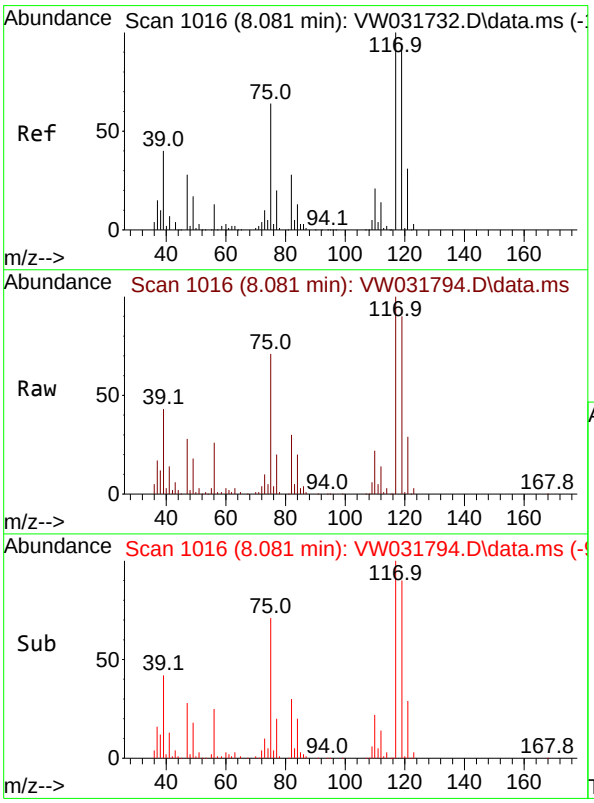
#37
Ethyl Acetate
Concen: 20.164 ug/l
RT: 7.276 min Scan# 8
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 49846

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	10.7	9.2	13.8

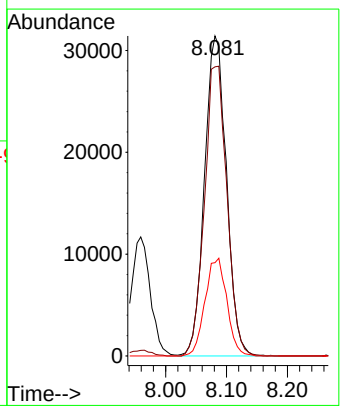


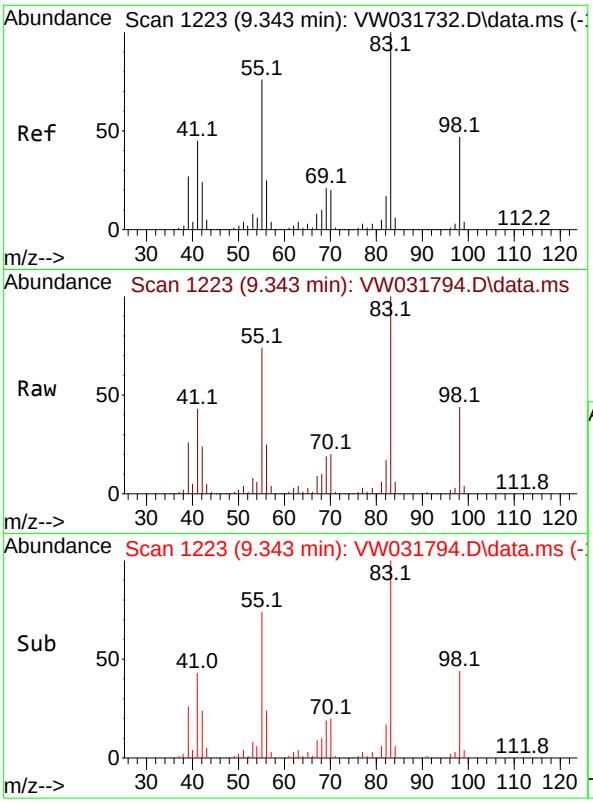


#38
Carbon Tetrachloride
Concen: 19.671 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:117 Resp: 78551

Ion	Ratio	Lower	Upper
117	100		
119	90.4	75.0	112.6
121	29.1	24.6	37.0



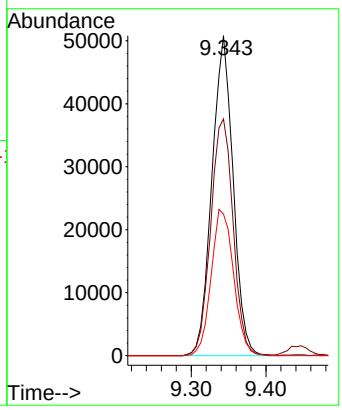


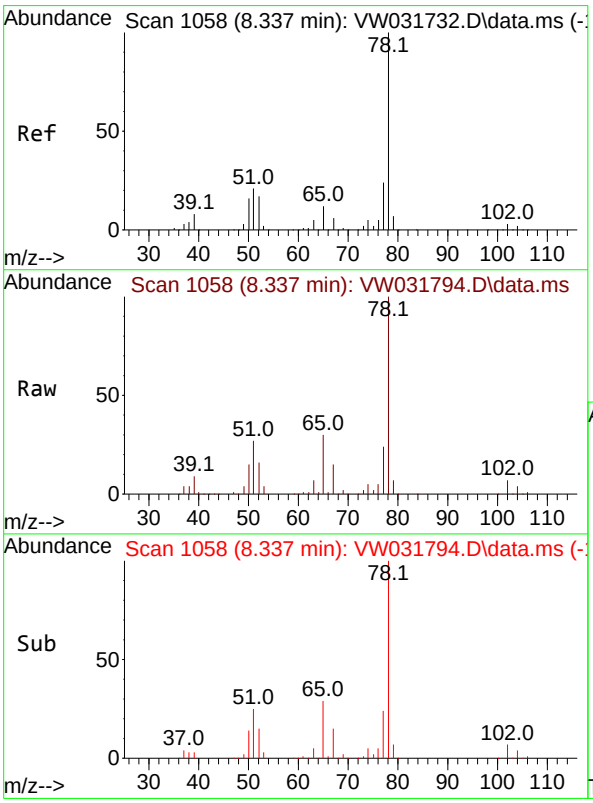
#39
Methylcyclohexane
Concen: 20.580 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 83 Resp: 100339

Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.0	91.4
98	44.2	37.9	56.9

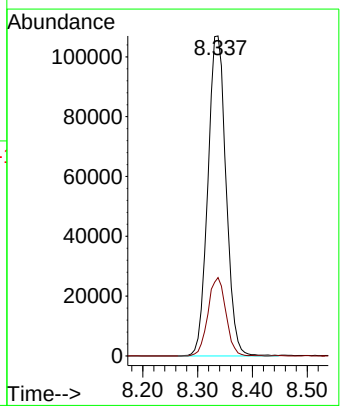


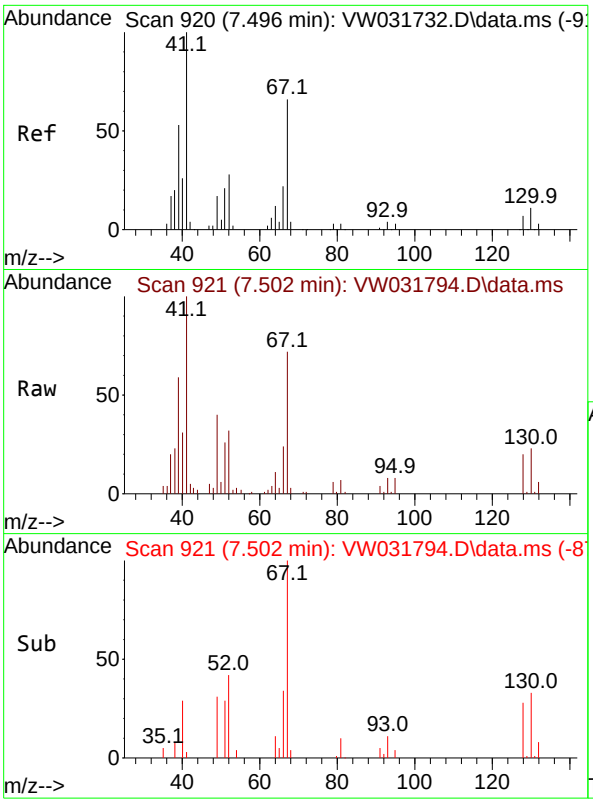


#40
Benzene
Concen: 21.163 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 78 Resp: 245359

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8



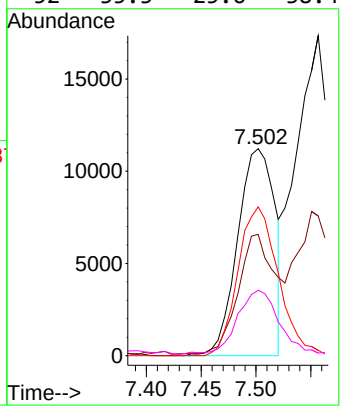


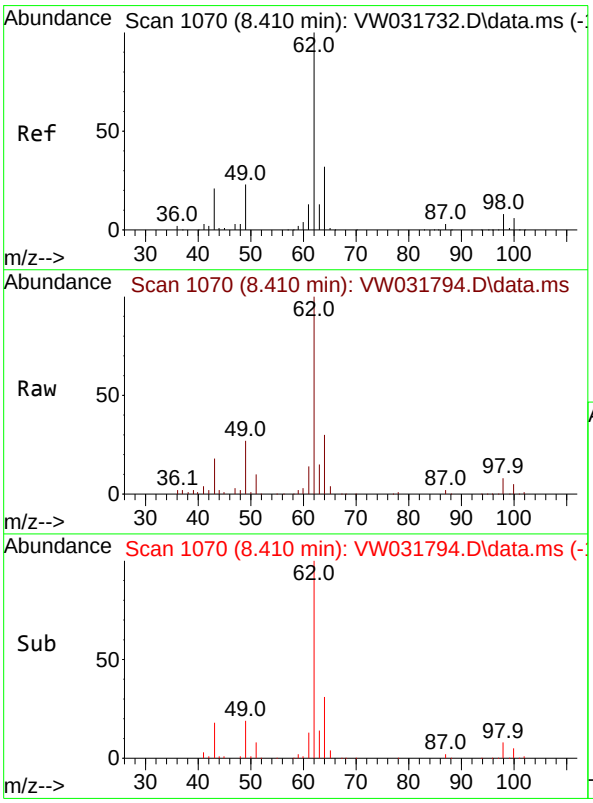
#41
Methacrylonitrile
Concen: 20.012 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 41 Resp: 26501

Ion	Ratio	Lower	Upper
41	100		
39	59.7	43.2	64.8
67	78.3	58.1	87.1
52	35.3	25.6	38.4

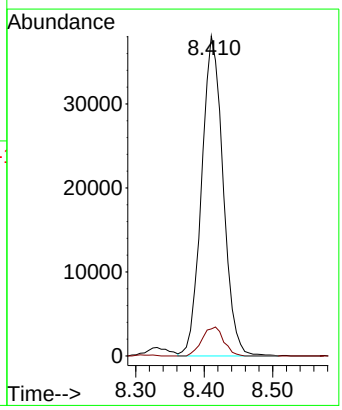


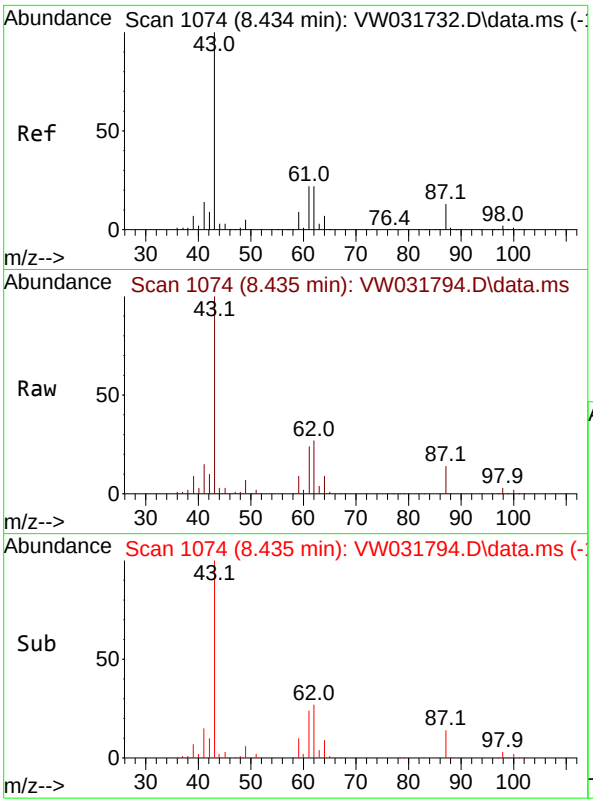


#42
1,2-Dichloroethane
Concen: 21.286 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 62 Resp: 83386

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2



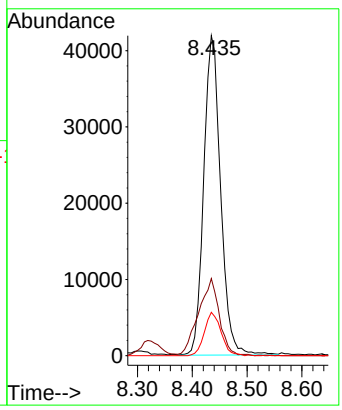


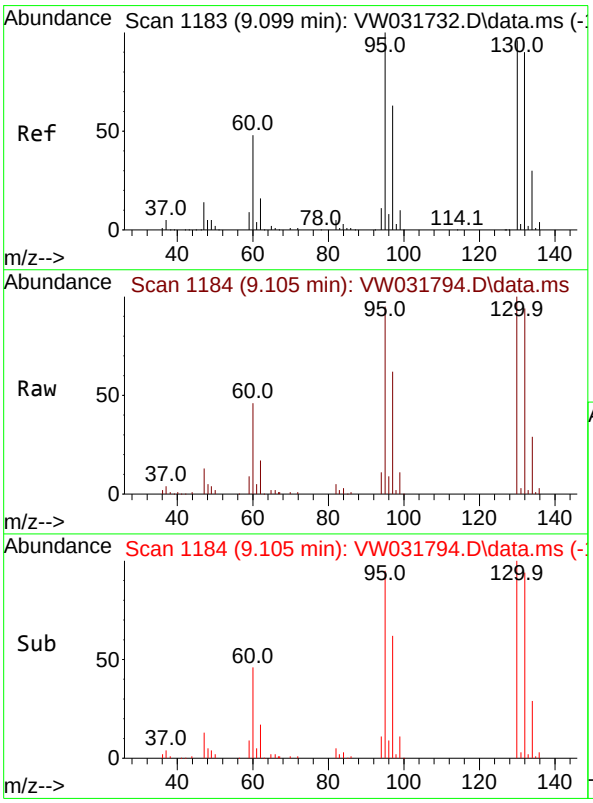
#43
Isopropyl Acetate
Concen: 21.016 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 89552

Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.1	34.7
87	13.4	10.8	16.2

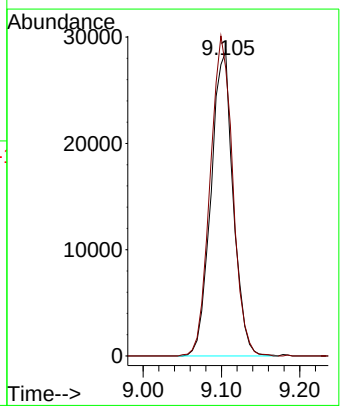


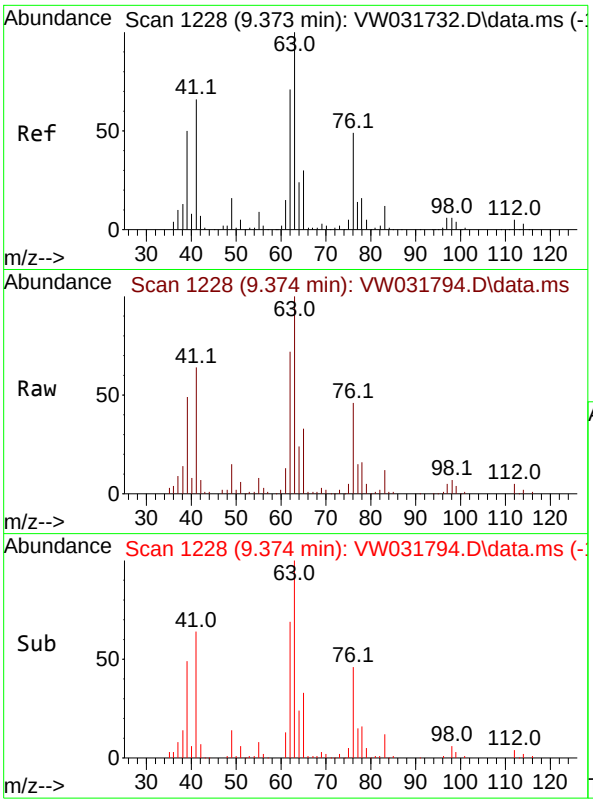


#44
Trichloroethene
Concen: 19.495 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:130 Resp: 56412

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	208.6



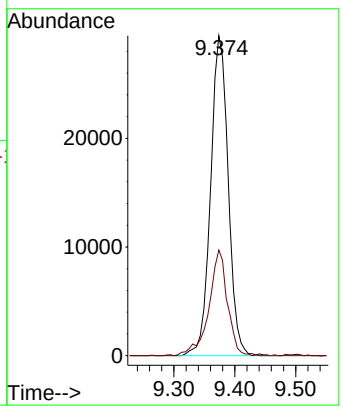


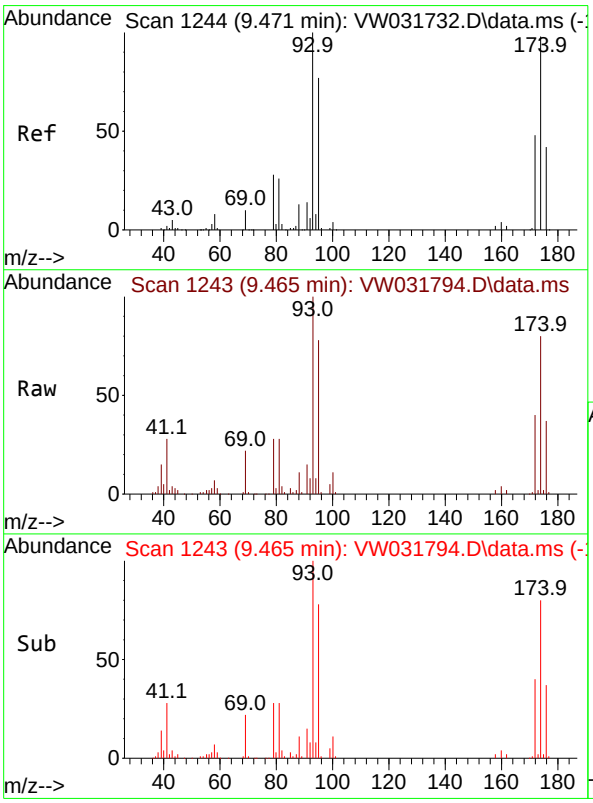
#45
1,2-Dichloropropane
Concen: 21.140 ug/l
RT: 9.374 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 63 Resp: 59237

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.2	36.4

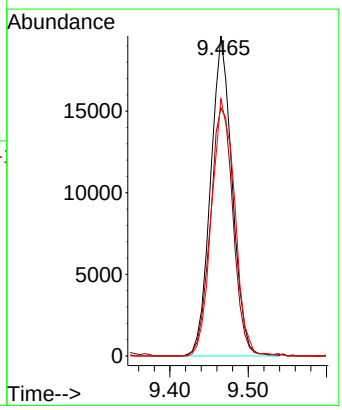


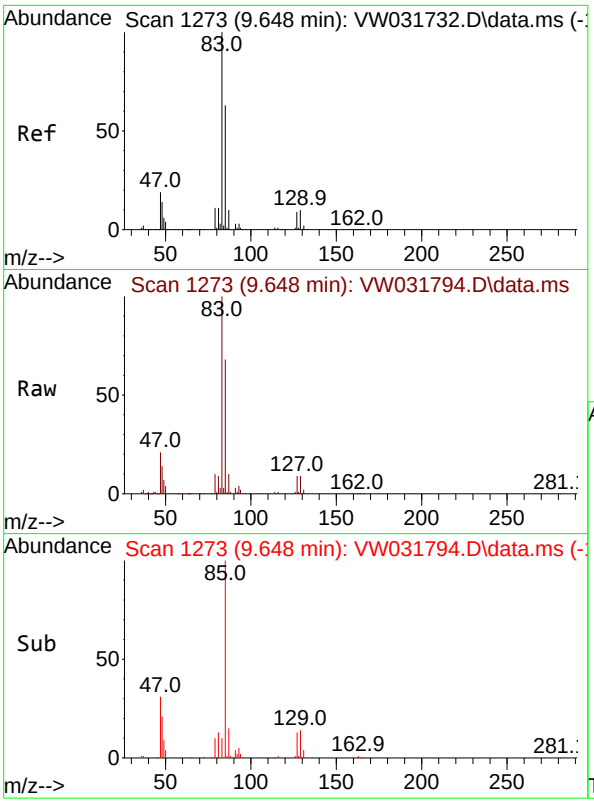


#46
Dibromomethane
Concen: 20.784 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 93 Resp: 37600

Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.0	100.4
174	86.0	71.7	107.5



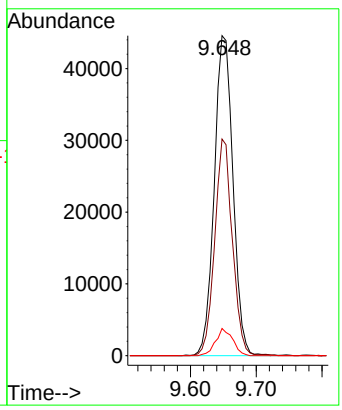


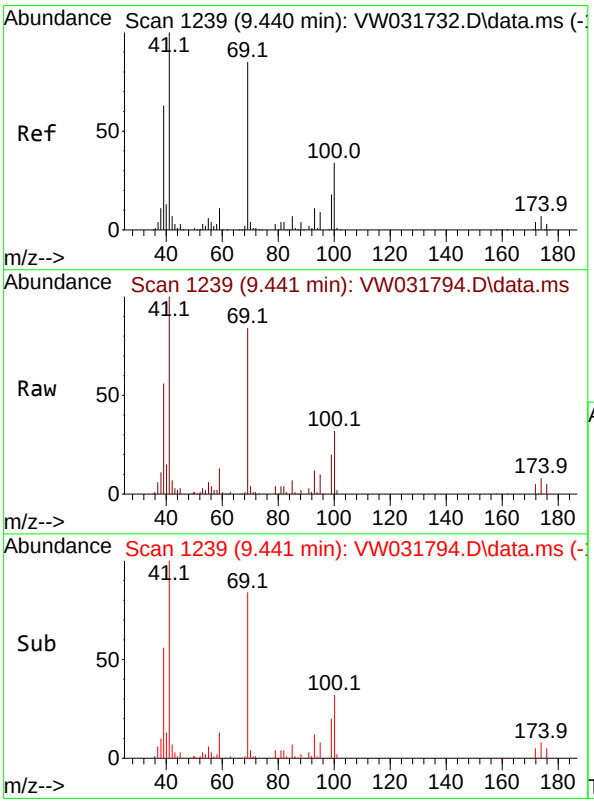
#47
Bromodichloromethane
Concen: 20.787 ug/l
RT: 9.648 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 83 Resp: 88183

Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.8	76.2
127	8.5	6.8	10.2

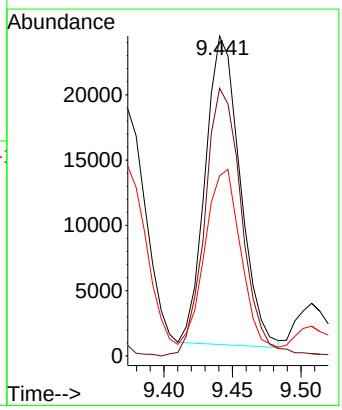


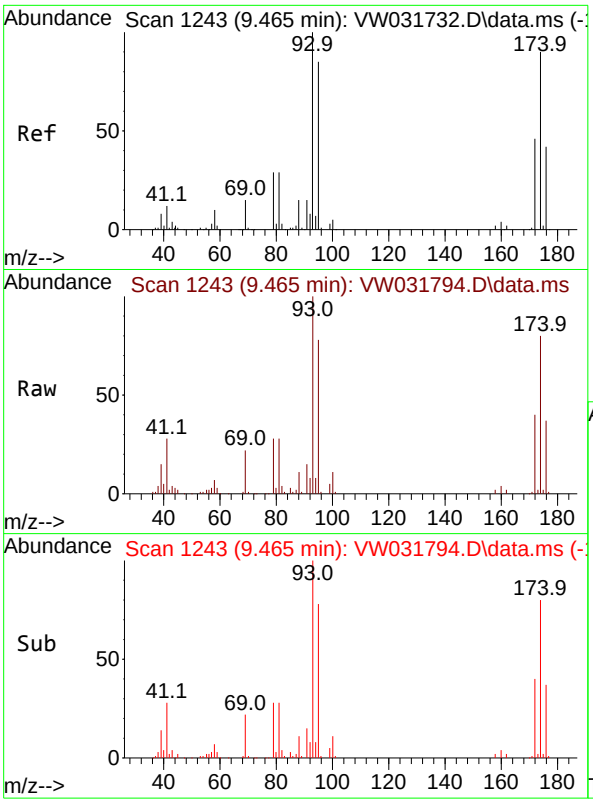


#48
Methyl methacrylate
Concen: 19.888 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 41 Resp: 41670

Ion	Ratio	Lower	Upper
41	100		
69	92.4	71.6	107.4
39	58.9	49.5	74.3



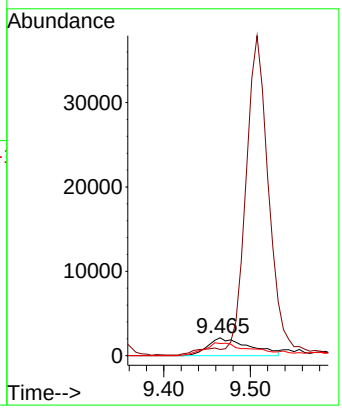


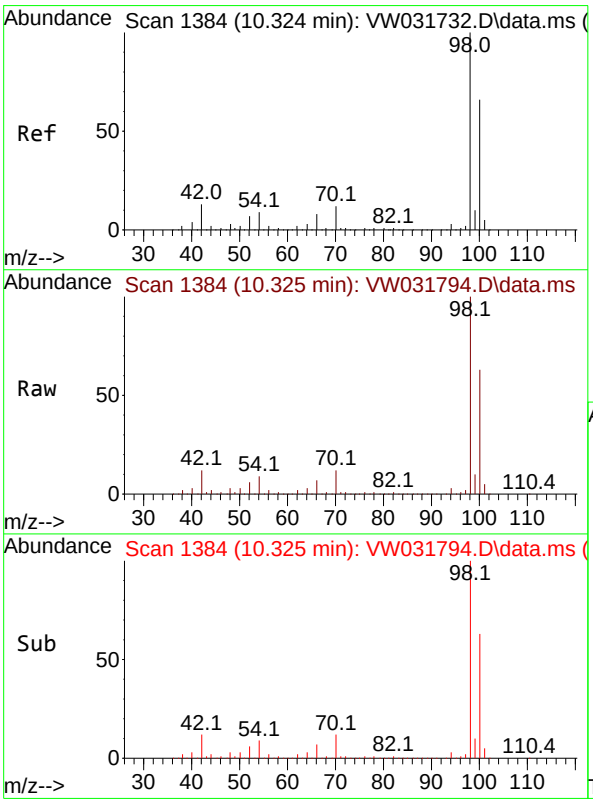
#49
1,4-Dioxane
Concen: 333.450 ug/l
RT: 9.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 88 Resp: 7065

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	85.0	58.3	87.5

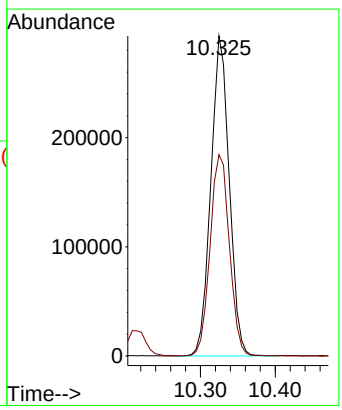


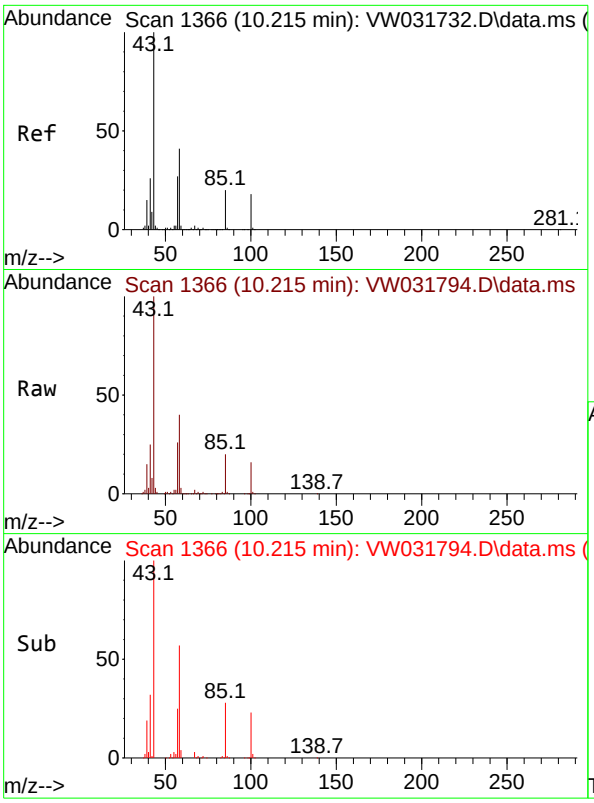


#50
Toluene-d8
Concen: 49.812 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 98 Resp: 501996

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4



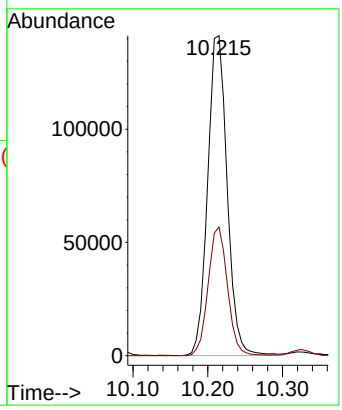


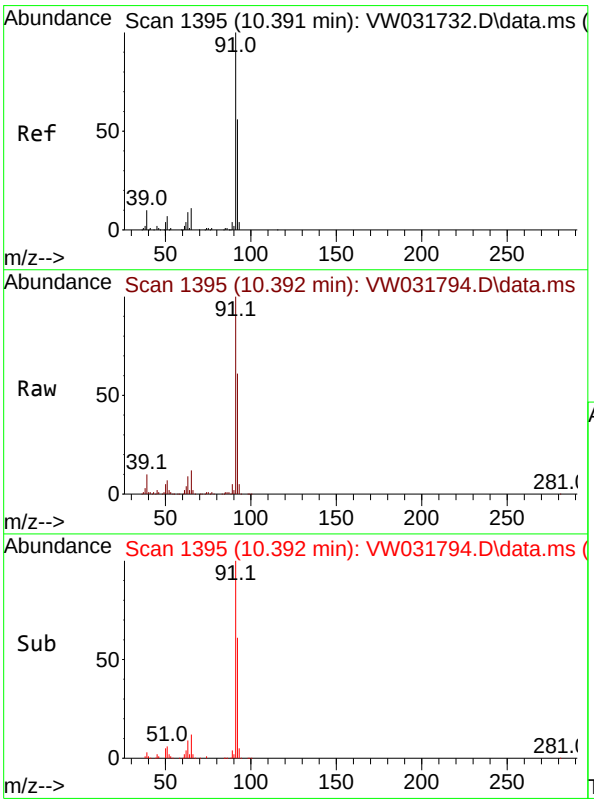
#51
4-Methyl-2-Pentanone
Concen: 104.592 ug/l
RT: 10.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 256230

Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.2

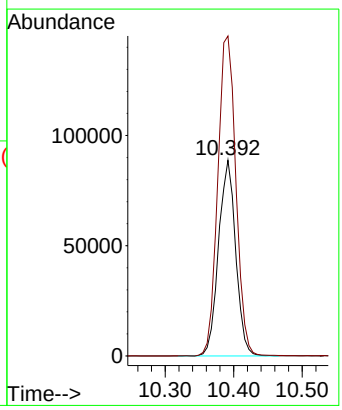


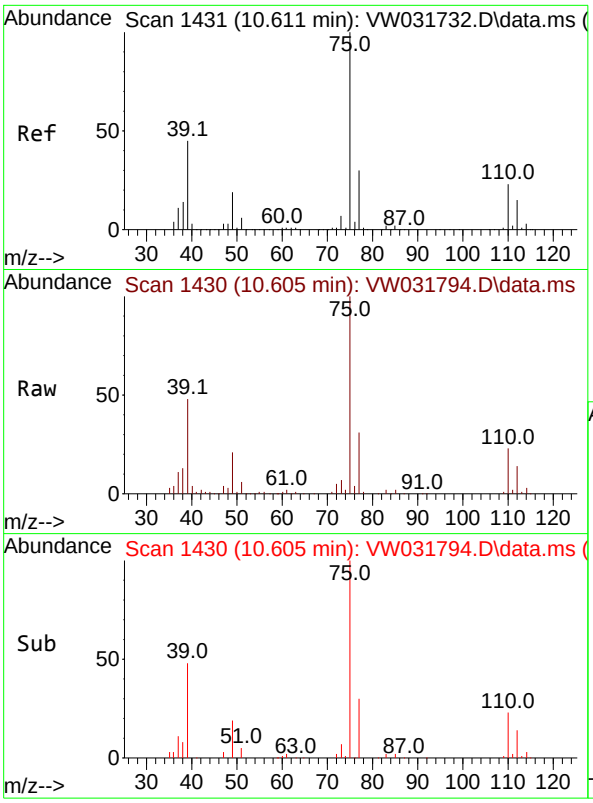


#52
Toluene
Concen: 20.732 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 92 Resp: 153896

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.5	209.3



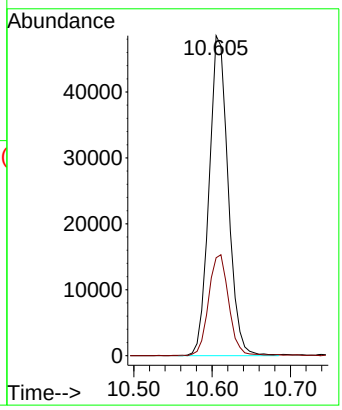


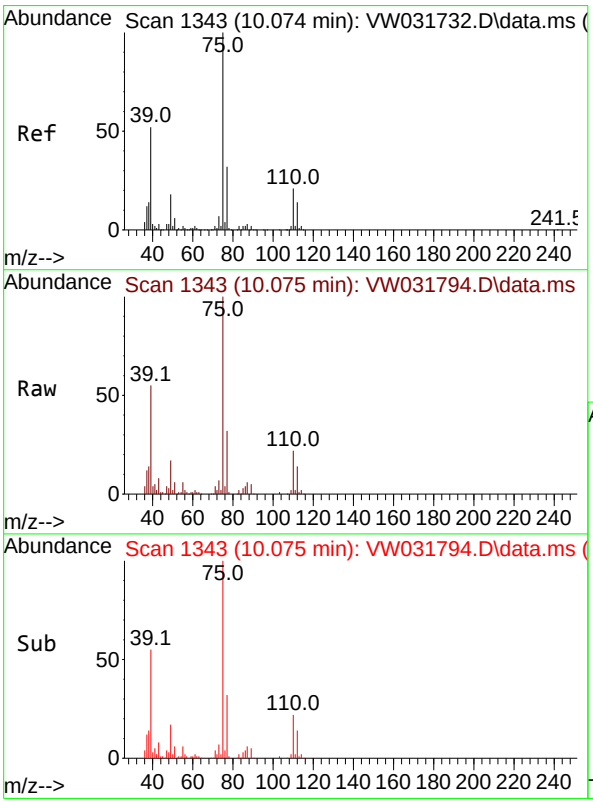
#53
t-1,3-Dichloropropene
Concen: 20.615 ug/l
RT: 10.605 min Scan# 14
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 75 Resp: 82051

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.3	36.5

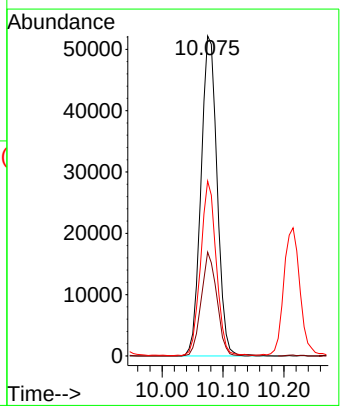


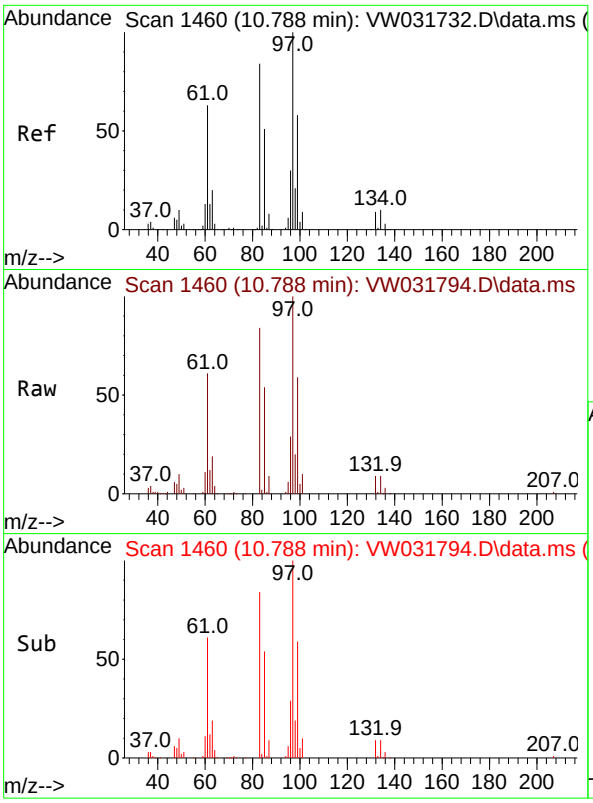


#54
cis-1,3-Dichloropropene
Concen: 21.250 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 95884

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.2
39	54.4	41.8	62.6



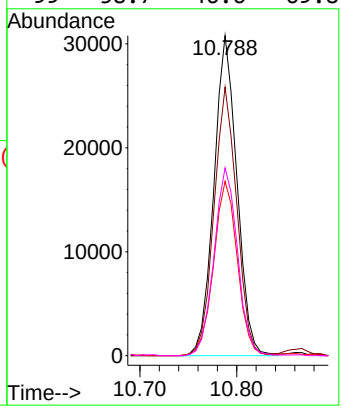


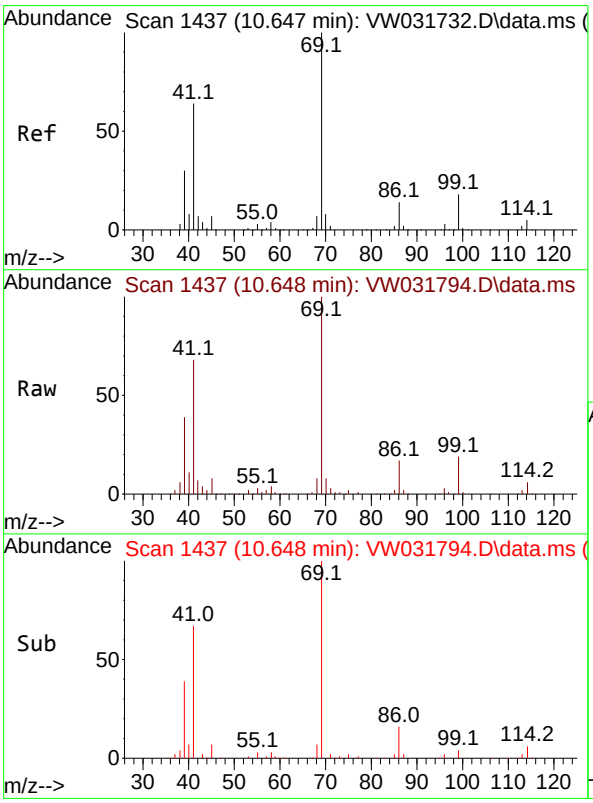
#55
1,1,2-Trichloroethane
Concen: 21.503 ug/l
RT: 10.788 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 97 Resp: 50955

Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.9	100.3
85	54.5	41.1	61.7
99	58.7	46.6	69.8

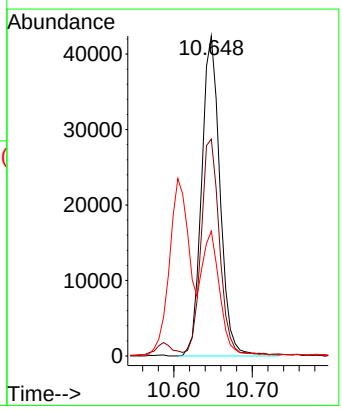


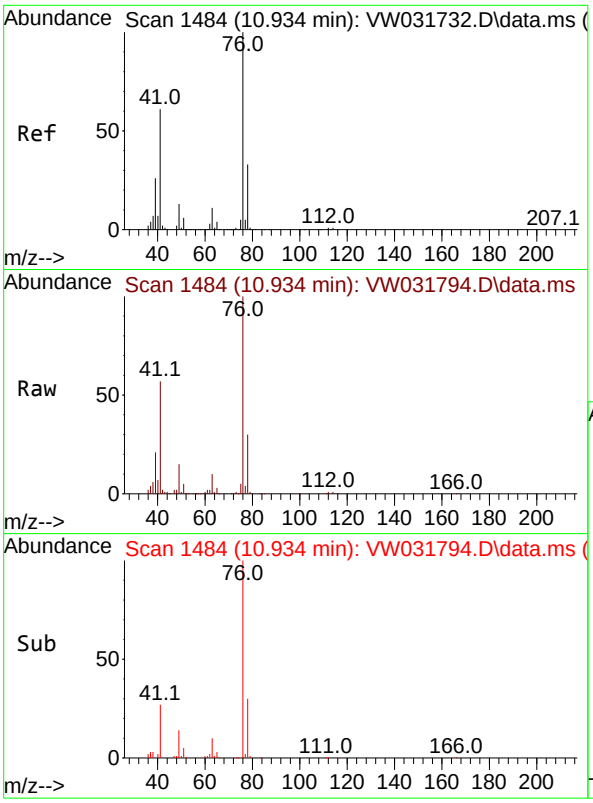


#56
Ethyl methacrylate
Concen: 21.495 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 69 Resp: 69105

Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.3	79.9
39	36.5	30.2	45.2



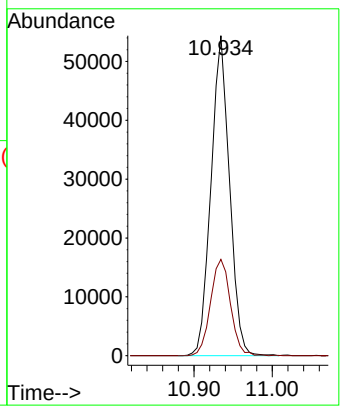


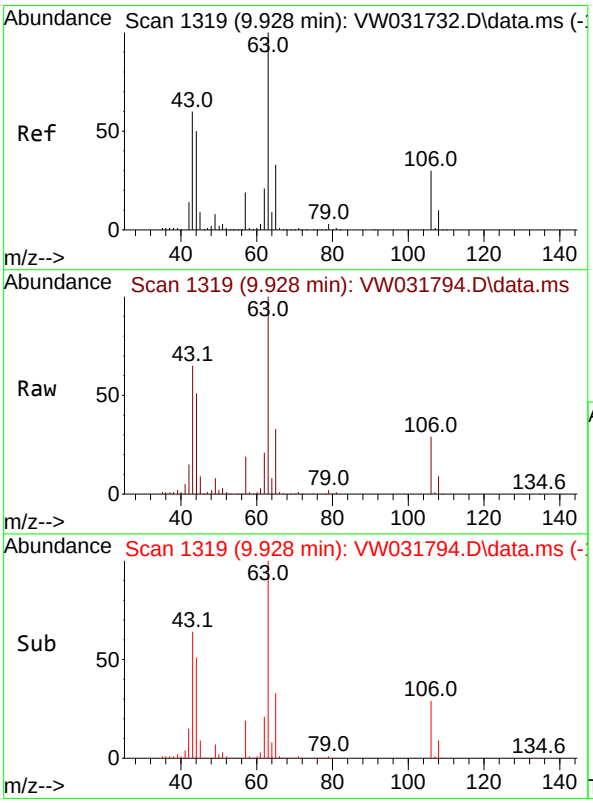
#57
1,3-Dichloropropane
Concen: 21.458 ug/l
RT: 10.934 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 76 Resp: 89275

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

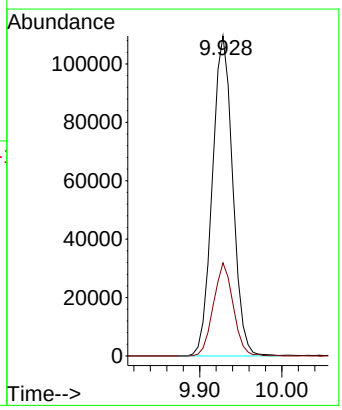


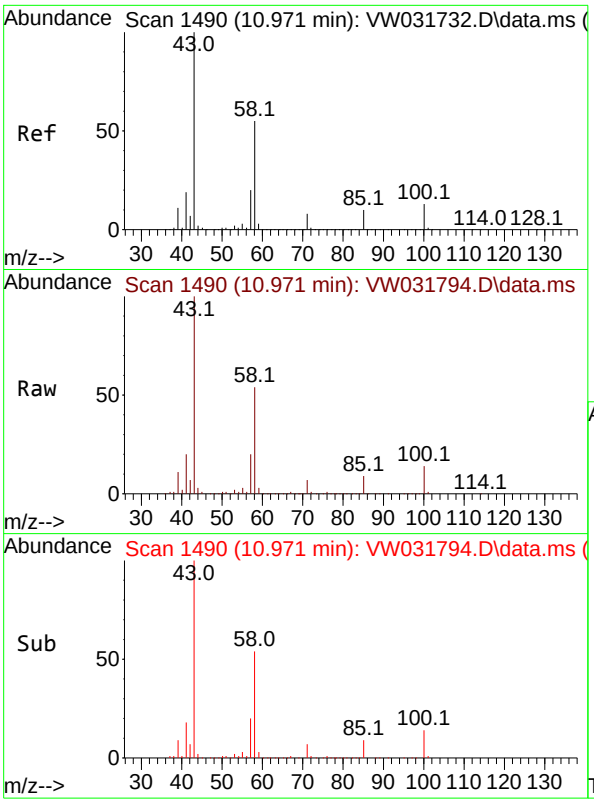


#58
2-Chloroethyl Vinyl ether
Concen: 106.389 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 63 Resp: 188338

Ion	Ratio	Lower	Upper
63	100		
106	28.3	24.1	36.1



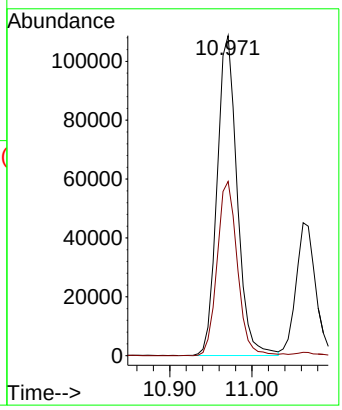


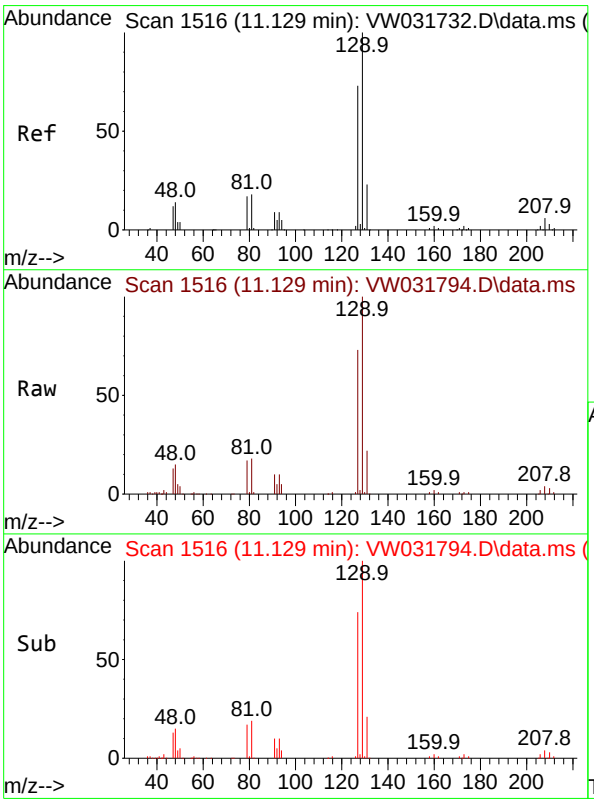
#59
2-Hexanone
Concen: 111.025 ug/l
RT: 10.971 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 43 Resp: 184311

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.9	83.6

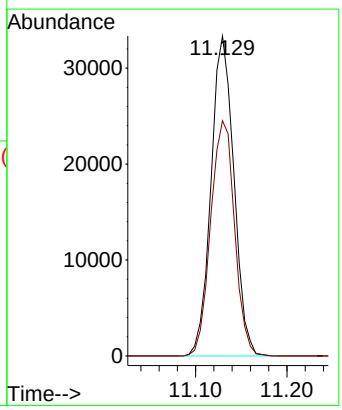


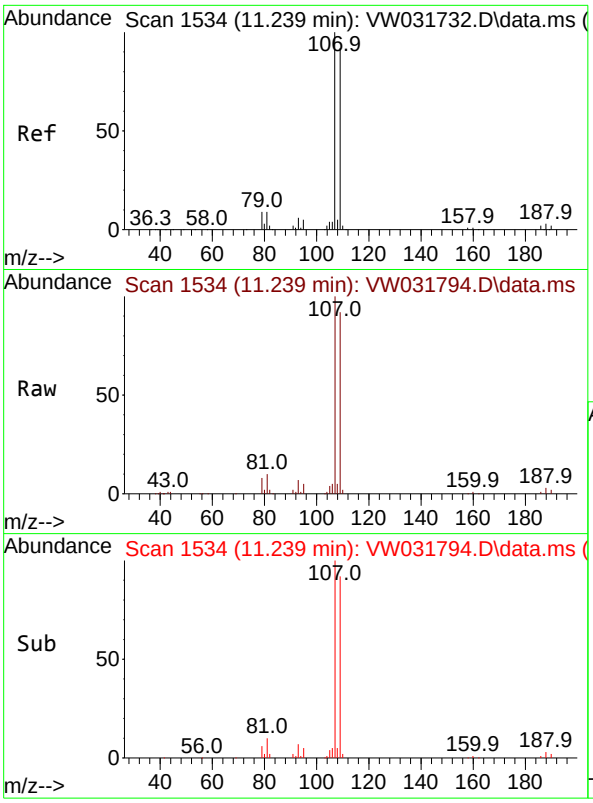


#60
Dibromochloromethane
Concen: 20.436 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:129 Resp: 57910

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.0	114.1



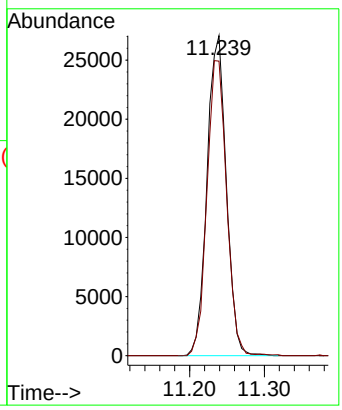


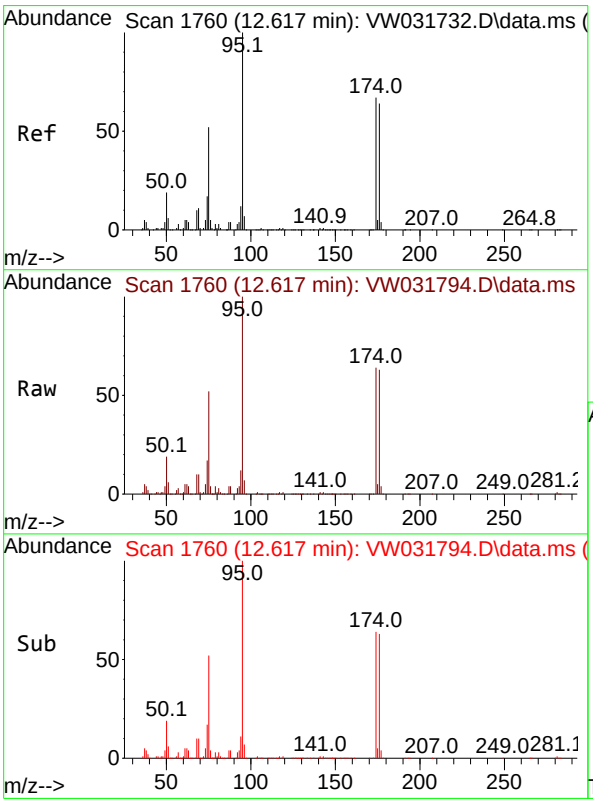
#61
1,2-Dibromoethane
Concen: 20.461 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:107 Resp: 48539

Ion	Ratio	Lower	Upper
107	100		
109	94.3	73.9	110.9

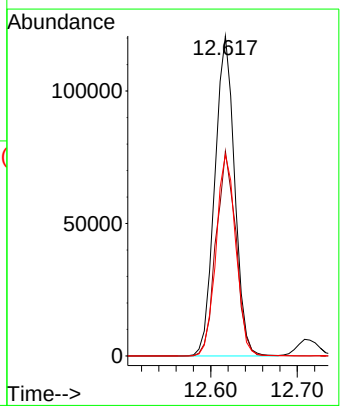


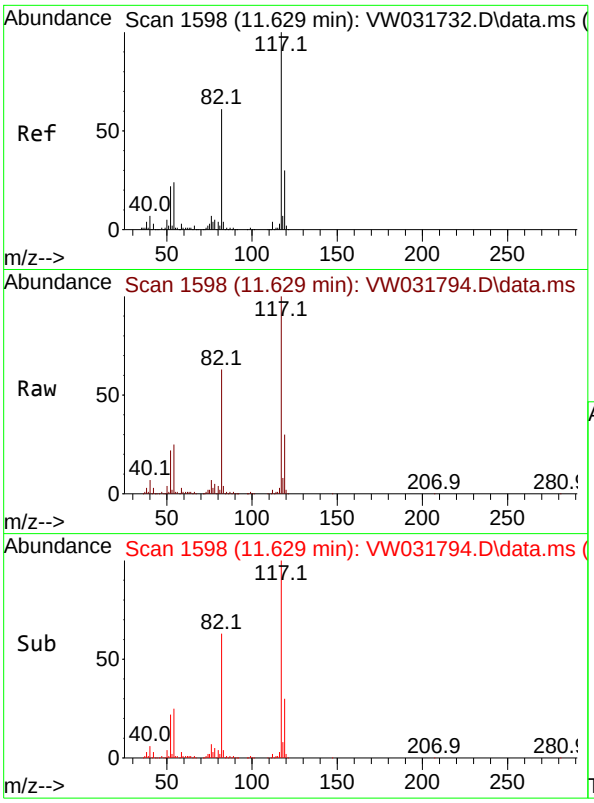


#62
4-Bromofluorobenzene
Concen: 51.890 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 95 Resp: 192442

Ion	Ratio	Lower	Upper
95	100		
174	63.8	0.0	133.8
176	62.7	0.0	126.0



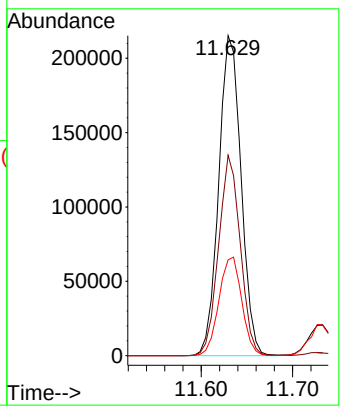


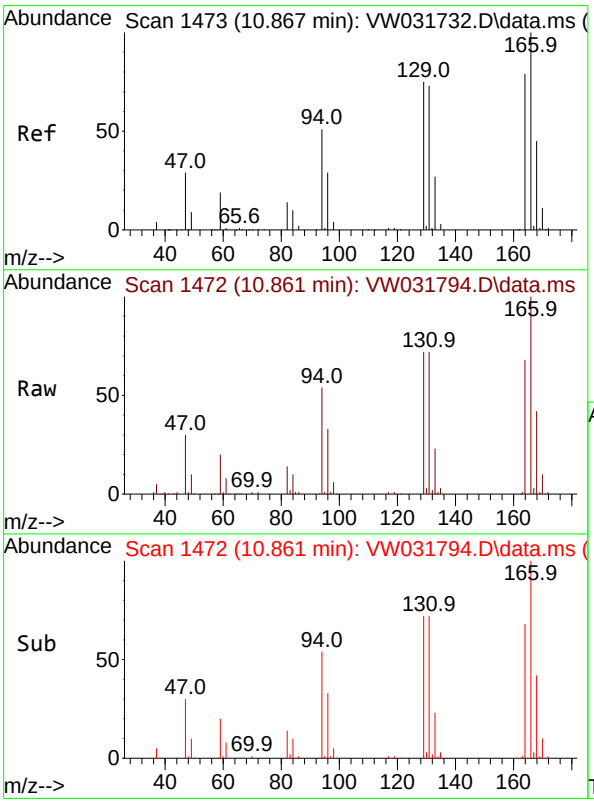
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:117 Resp: 365558

Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.6	72.8
119	29.9	23.9	35.9

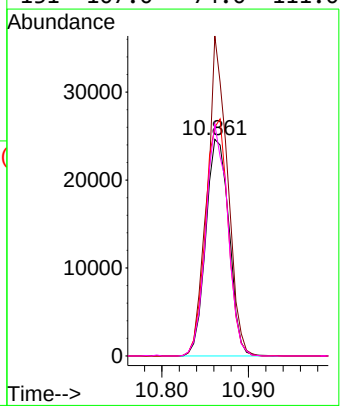


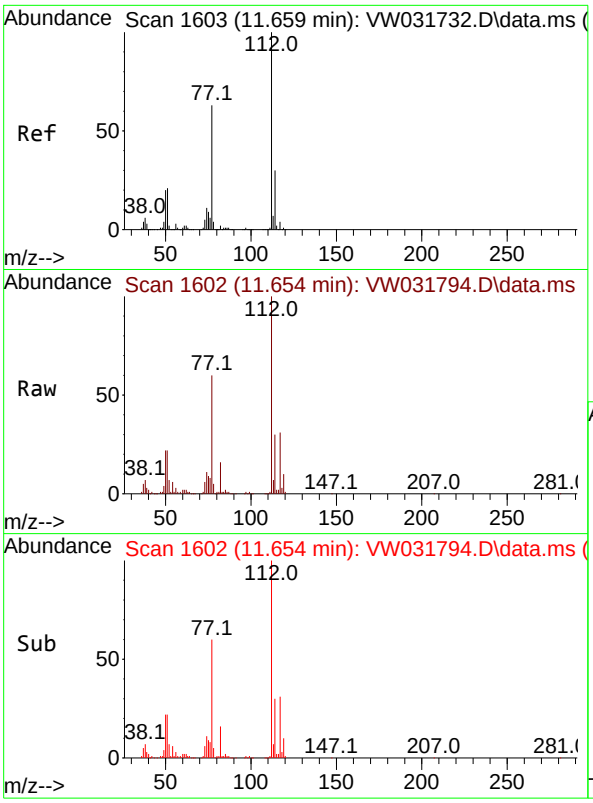


#64
Tetrachloroethene
Concen: 19.175 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:164 Resp: 45851

Ion	Ratio	Lower	Upper
164	100		
166	147.8	100.7	151.1
129	105.7	75.4	113.0
131	107.0	74.0	111.0



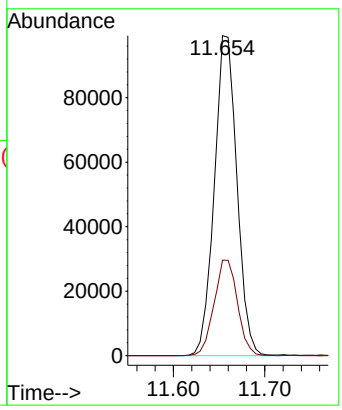


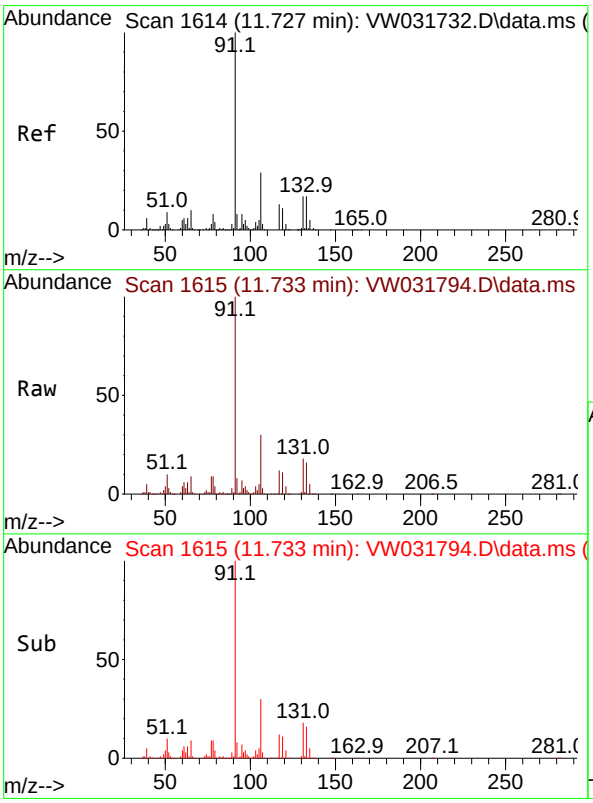
#65
Chlorobenzene
Concen: 21.158 ug/l
RT: 11.654 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:112 Resp: 170652

Ion	Ratio	Lower	Upper
112	100		
114	29.8	23.8	35.8

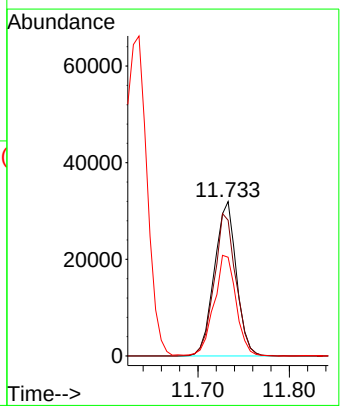


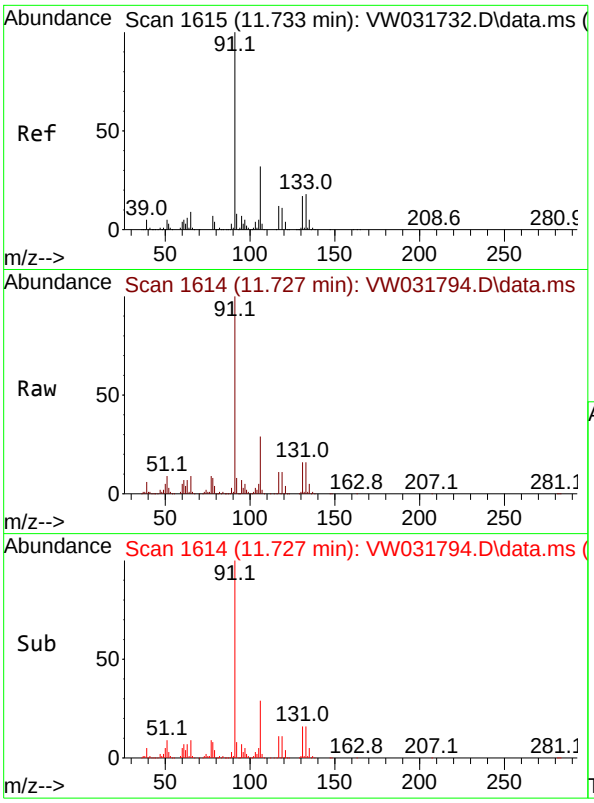


#66
1,1,1,2-Tetrachloroethane
Concen: 20.769 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:131 Resp: 53380

Ion	Ratio	Lower	Upper
131	100		
133	91.3	48.5	145.6
119	65.3	32.5	97.5



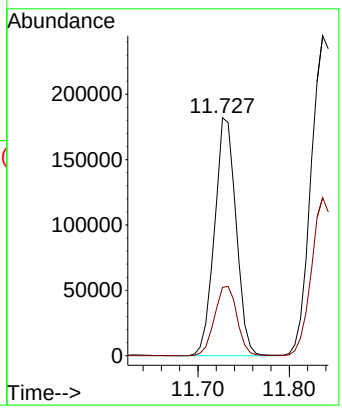


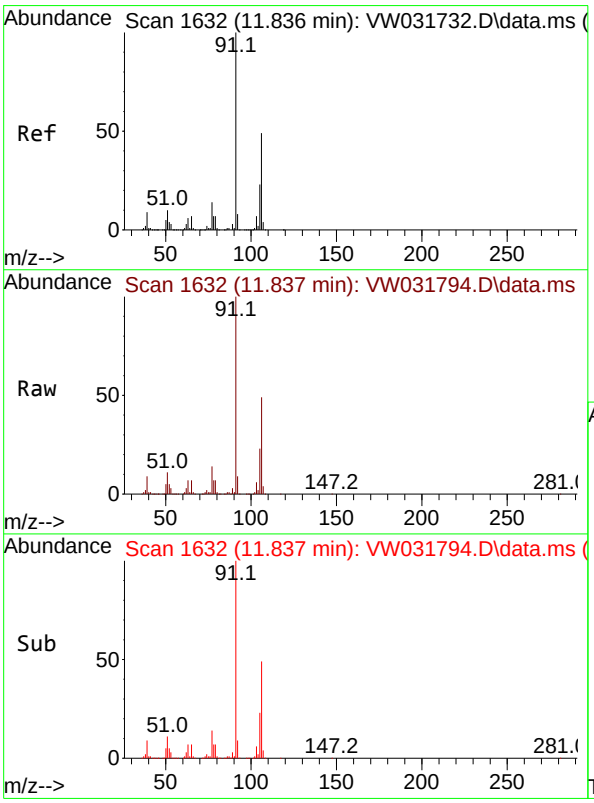
#67
Ethyl Benzene
Concen: 21.300 ug/l
RT: 11.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 91 Resp: 297893

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.4	38.2

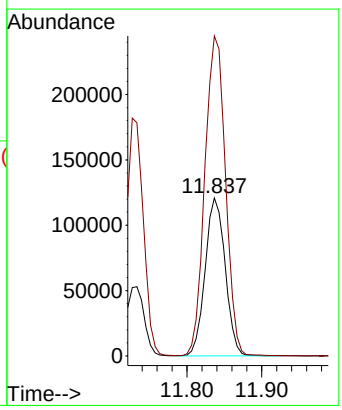


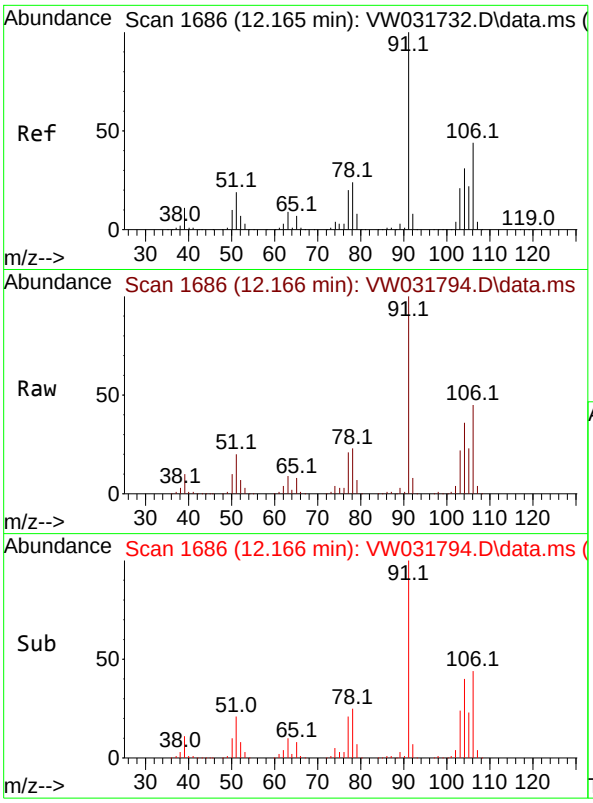


#68
m/p-Xylenes
Concen: 41.847 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:106 Resp: 224986

Ion	Ratio	Lower	Upper
106	100		
91	209.2	166.4	249.6



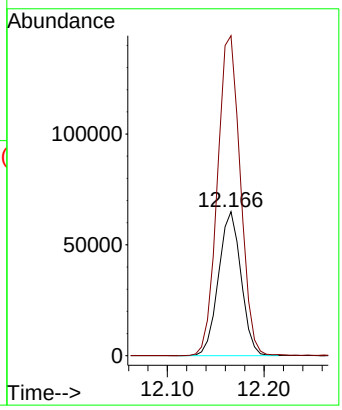


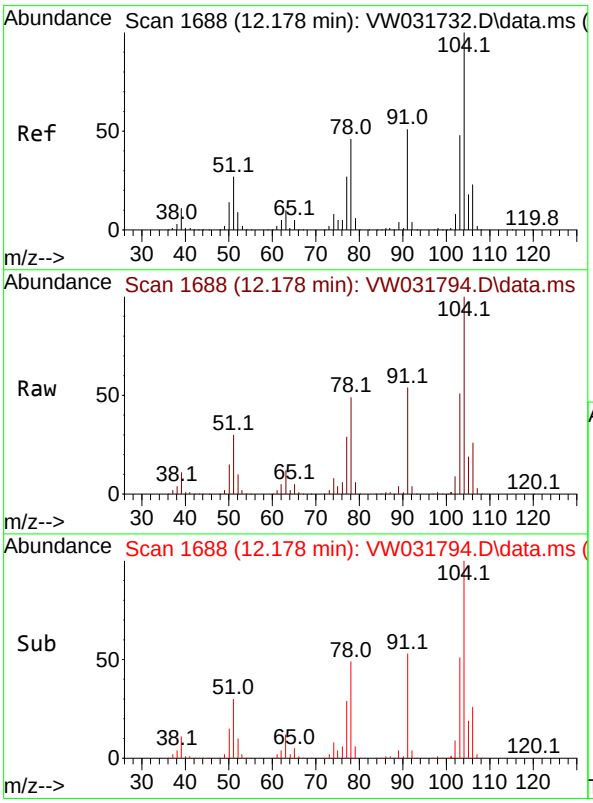
#69
o-Xylene
Concen: 21.082 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:106 Resp: 104943

Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.5	334.4

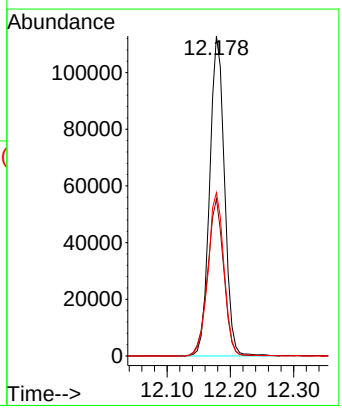


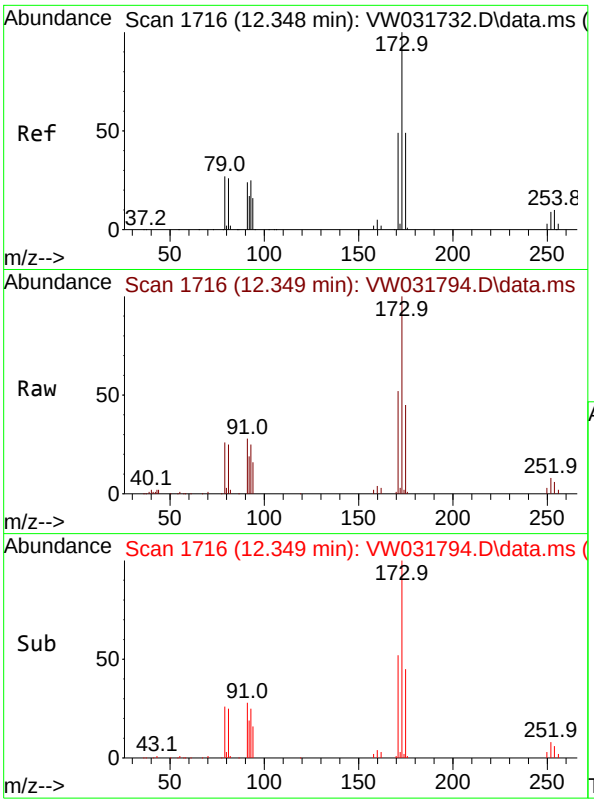


#70
Styrene
Concen: 21.391 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:104 Resp: 184086

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.1	63.1
103	54.8	43.0	64.6



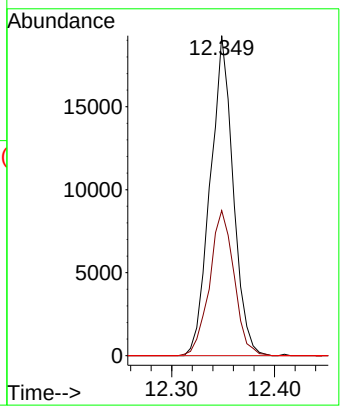


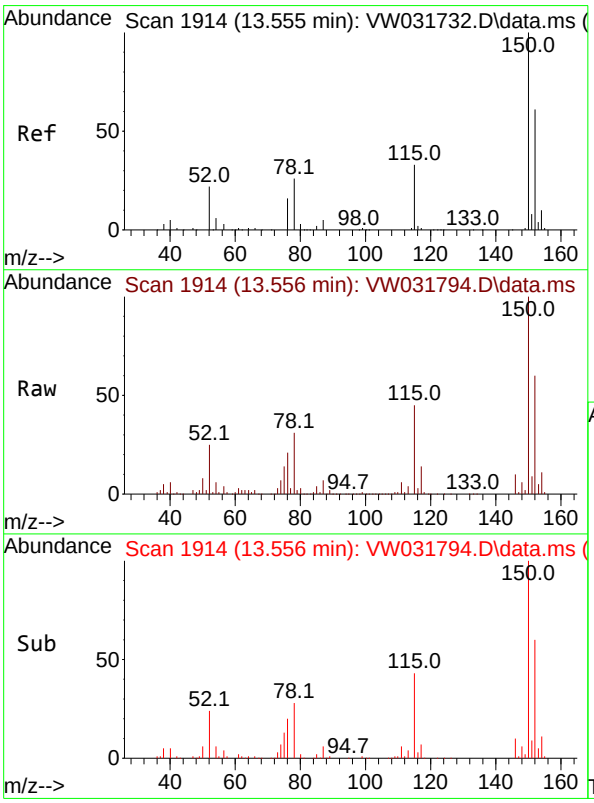
#71
Bromoform
Concen: 19.469 ug/l
RT: 12.349 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:173 Resp: 29851

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.1	0.1#

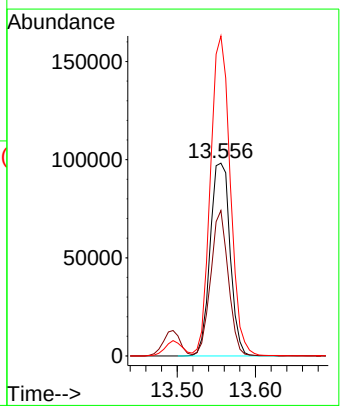


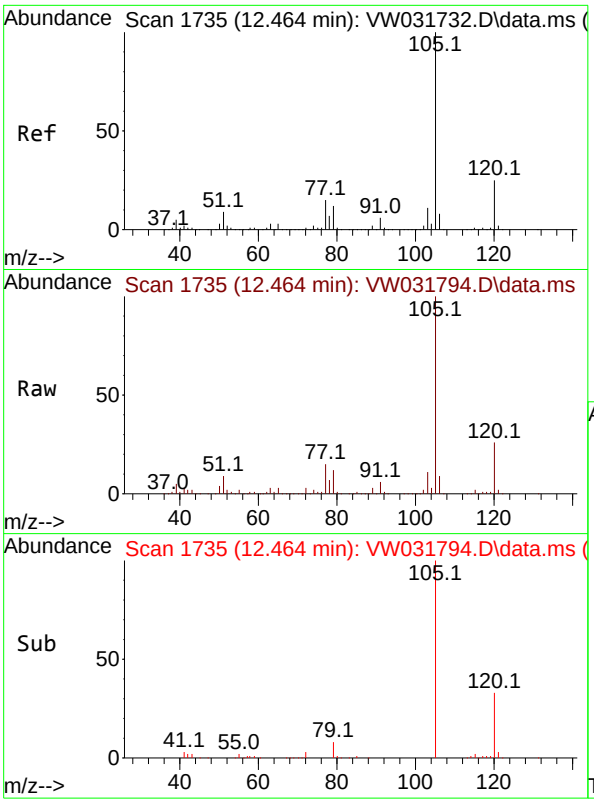


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:152 Resp: 173637

Ion	Ratio	Lower	Upper
152	100		
115	66.9	31.9	95.7
150	164.6	0.0	356.4



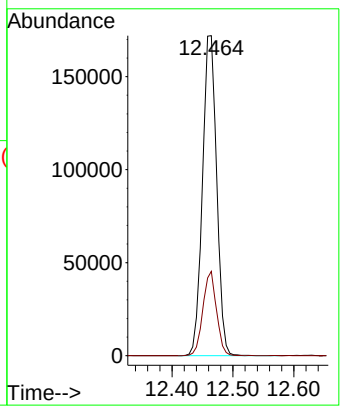


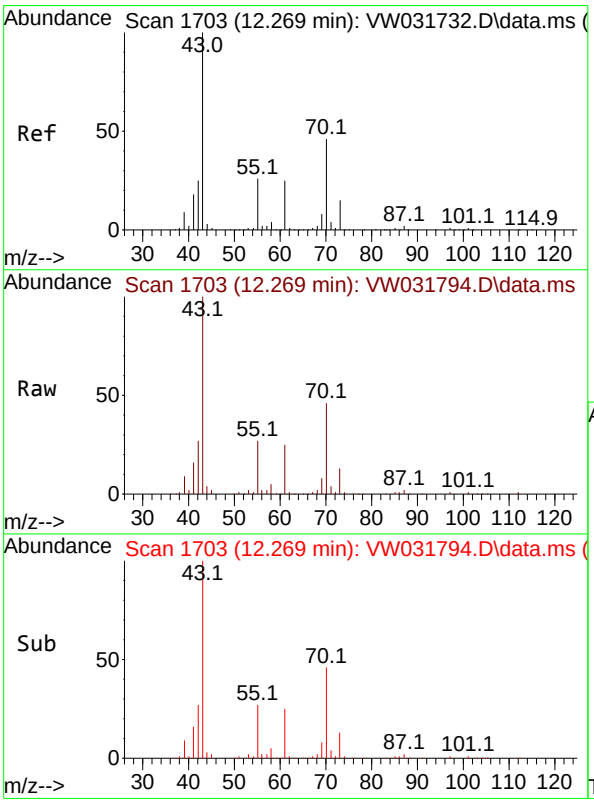
#73
Isopropylbenzene
Concen: 21.126 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:105 Resp: 279027

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4

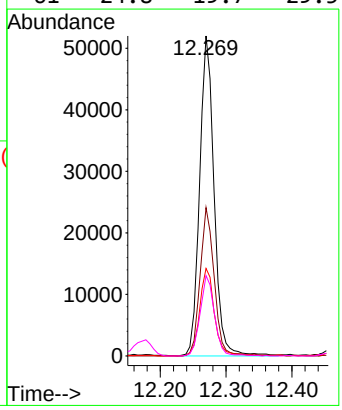


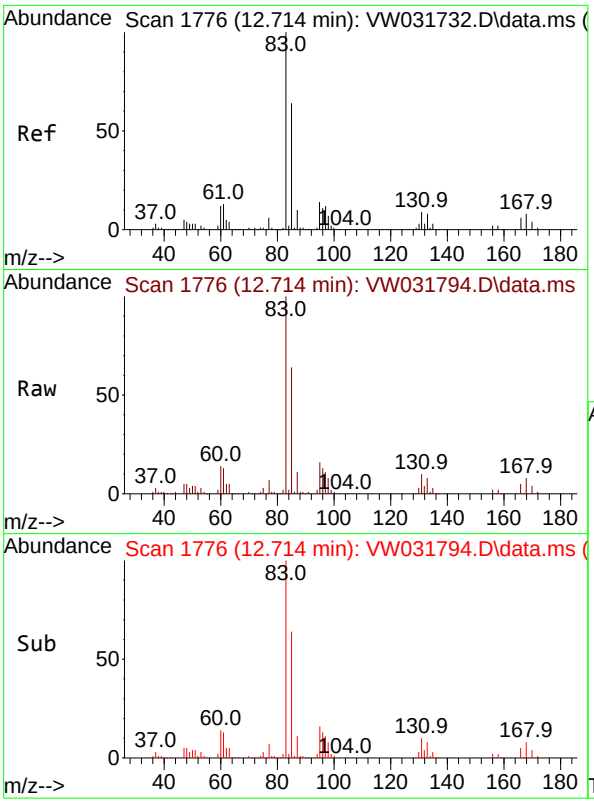


#74
N-amyl acetate
Concen: 22.400 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 43 Resp: 79743

Ion	Ratio	Lower	Upper
43	100		
70	44.9	36.0	54.0
55	27.8	20.8	31.2
61	24.8	19.7	29.5



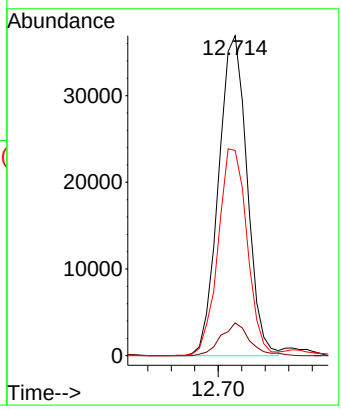


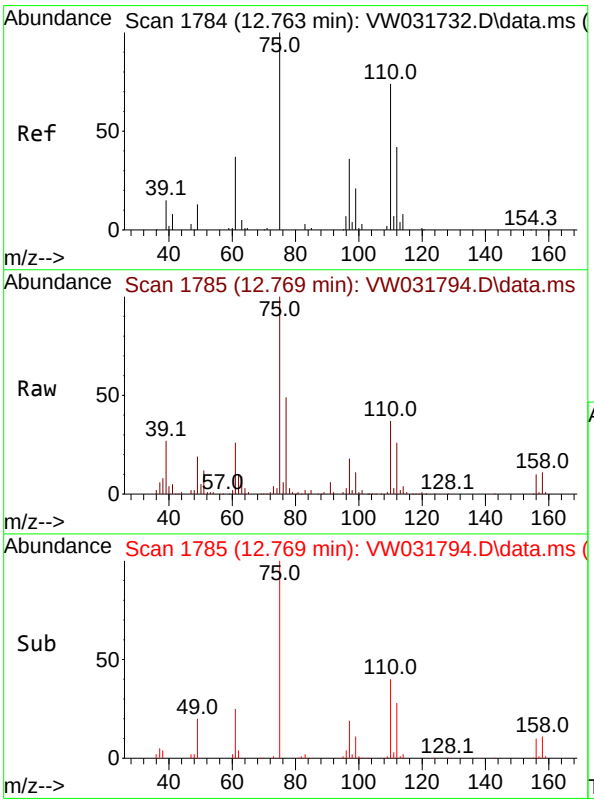
#75
1,1,2,2-Tetrachloroethane
Concen: 21.263 ug/l
RT: 12.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 83 Resp: 62348

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	16.1
85	65.8	32.0	96.2

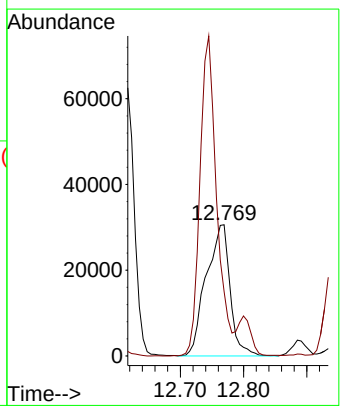


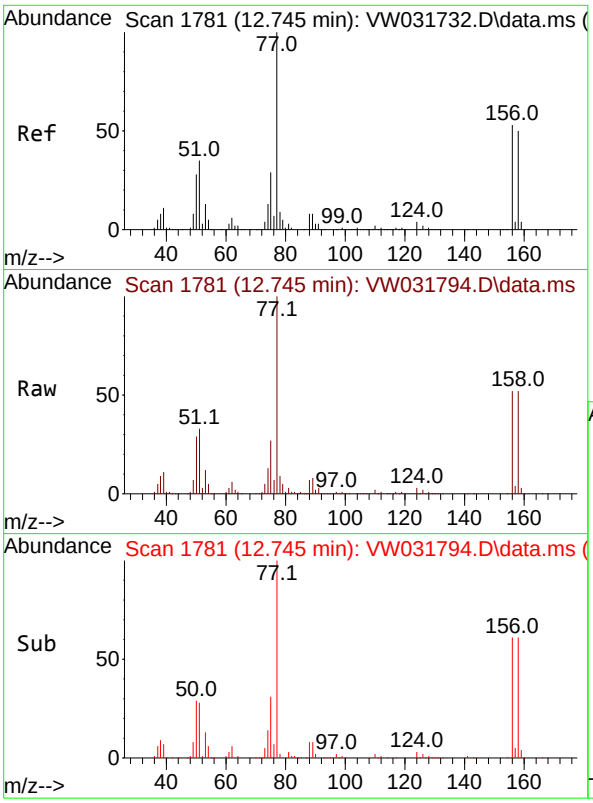


#76
1,2,3-Trichloropropane
Concen: 35.846 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 80433

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#



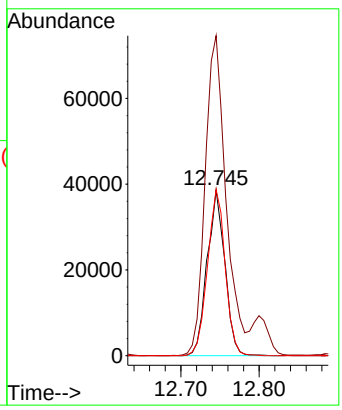


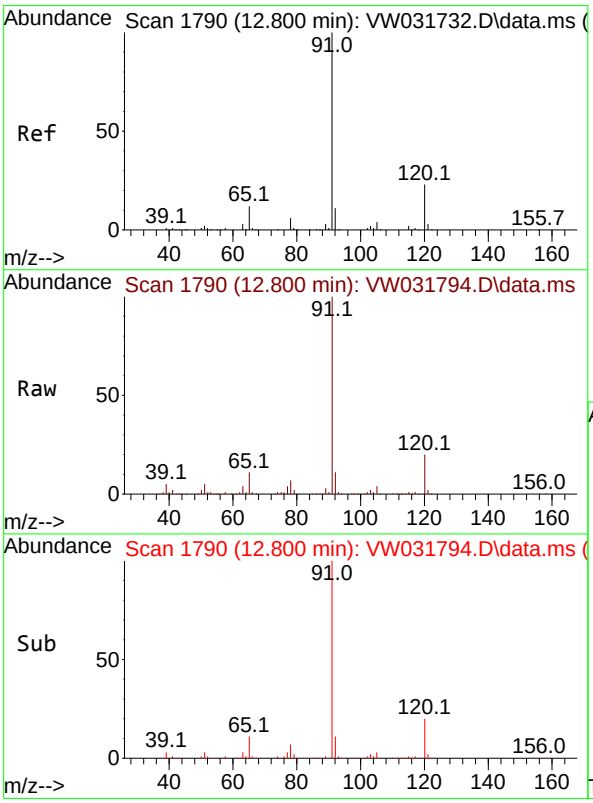
#77
Bromobenzene
Concen: 20.620 ug/l
RT: 12.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:156 Resp: 60742

Ion	Ratio	Lower	Upper
156	100		
77	226.0	117.9	353.7
158	100.0	52.6	157.8

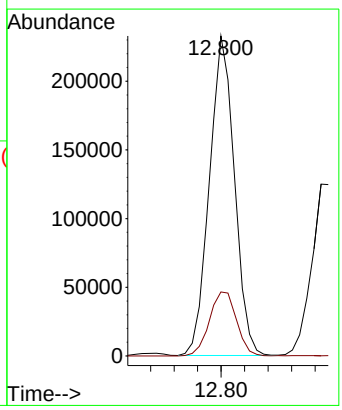


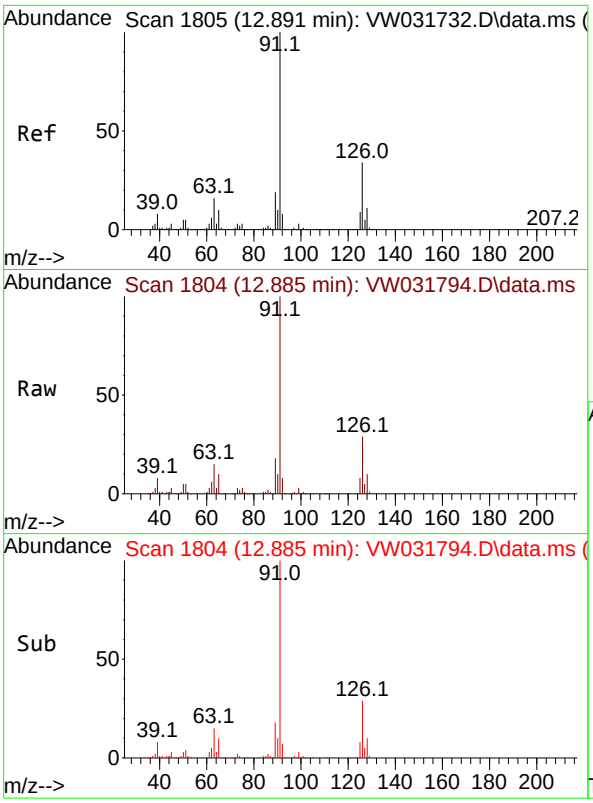


#78
n-propylbenzene
Concen: 21.810 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 344945

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.4



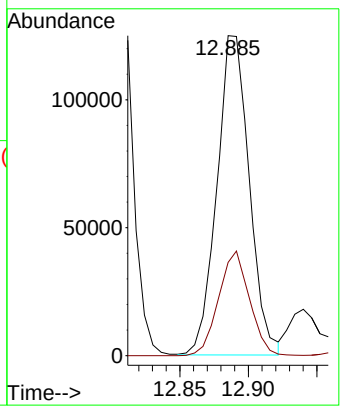


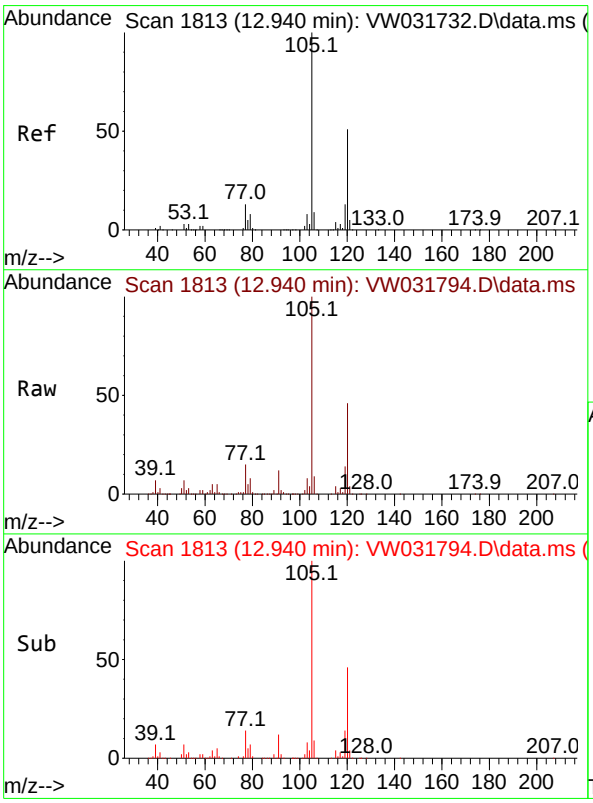
#79
2-Chlorotoluene
Concen: 21.558 ug/l
RT: 12.885 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 91 Resp: 205314

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.8	47.4

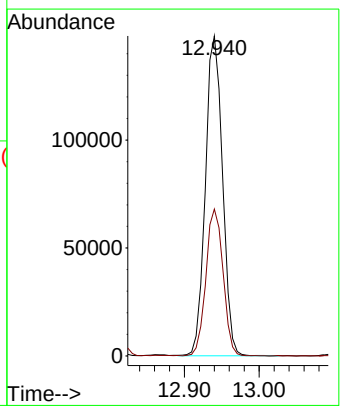


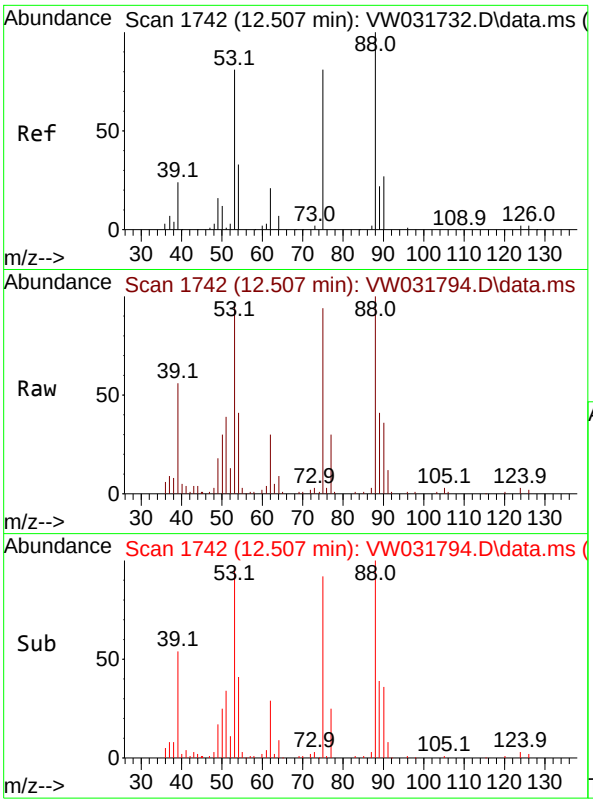


#80
1,3,5-Trimethylbenzene
Concen: 21.556 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 235670

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.2



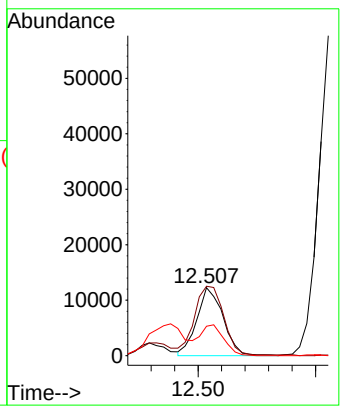


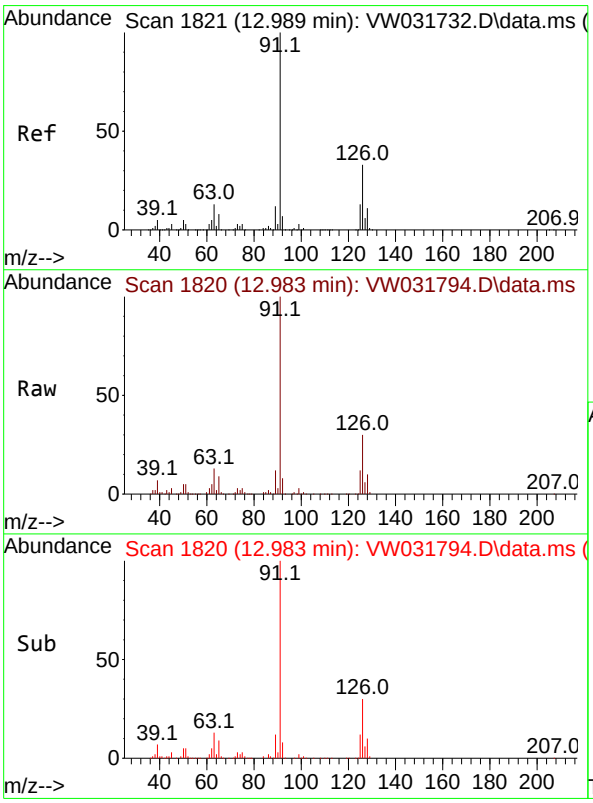
#81
trans-1,4-Dichloro-2-butene
Concen: 19.749 ug/l
RT: 12.507 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 75 Resp: 19026

Ion	Ratio	Lower	Upper
75	100		
53	117.5	83.5	125.3
89	40.5	38.3	57.5

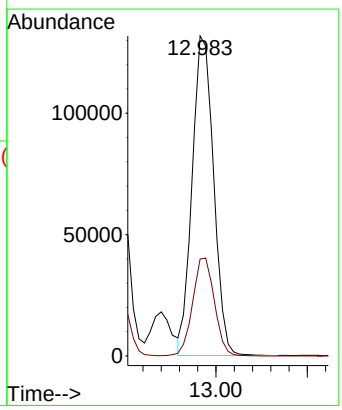


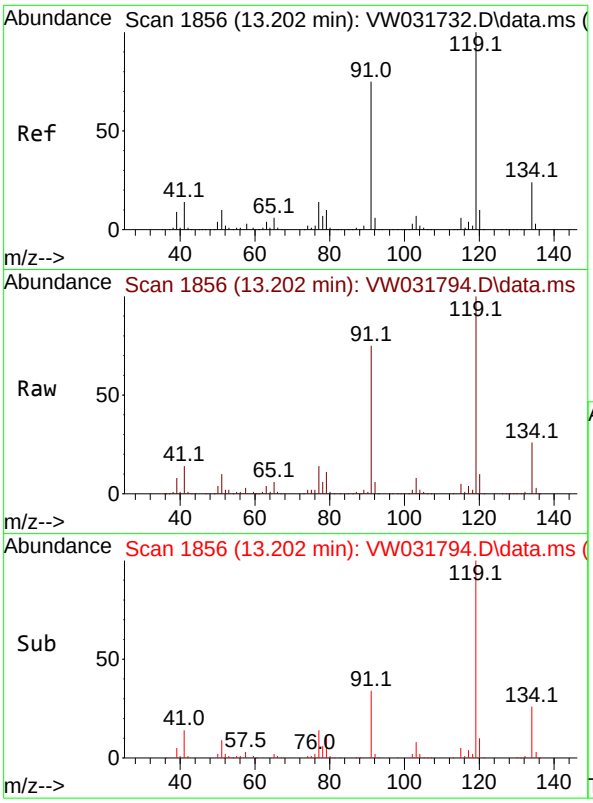


#82
4-Chlorotoluene
Concen: 21.454 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 91 Resp: 214521

Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.0	47.9



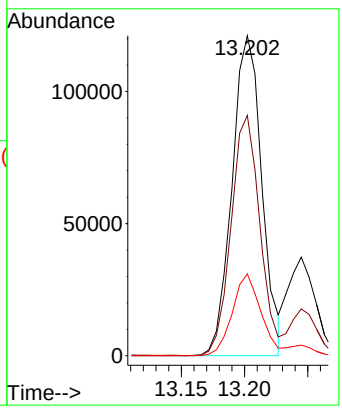


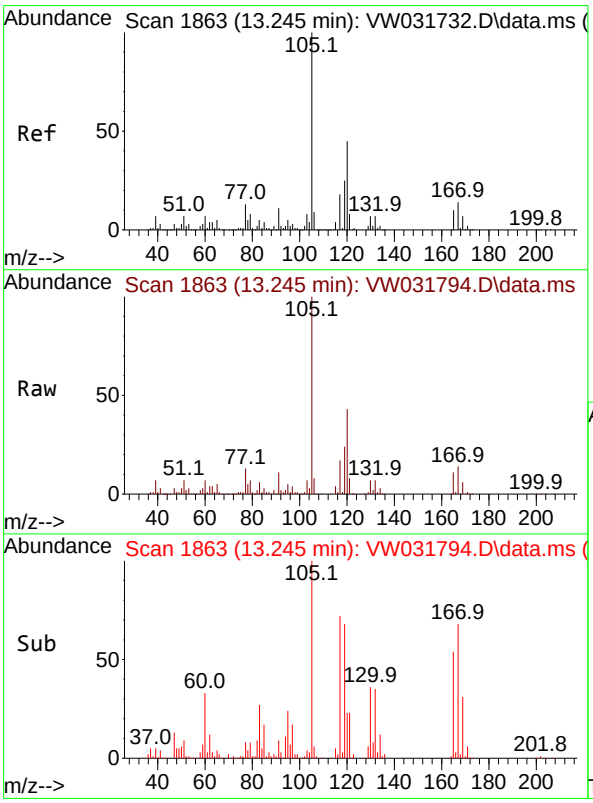
#83
tert-Butylbenzene
Concen: 21.186 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:119 Resp: 198401

Ion	Ratio	Lower	Upper
119	100		
91	72.4	36.0	108.1
134	24.9	12.4	37.2

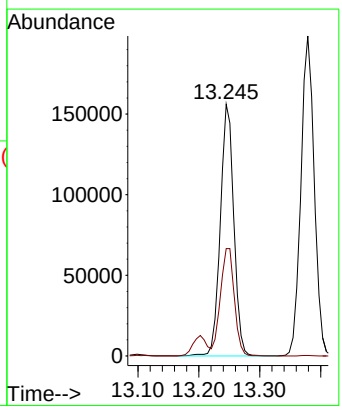


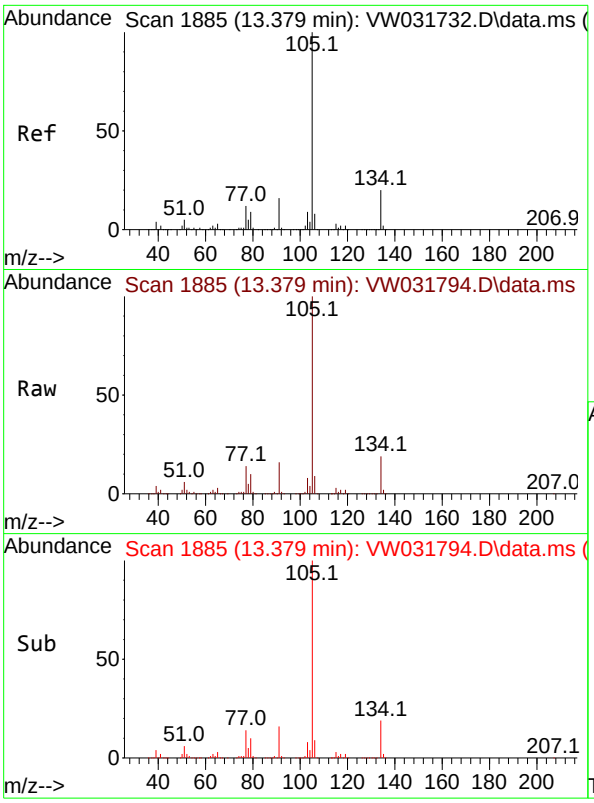


#84
1,2,4-Trimethylbenzene
Concen: 21.723 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:105 Resp: 240630

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.1



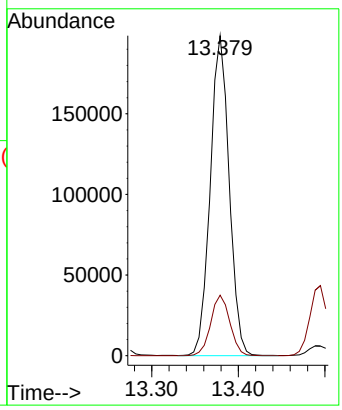


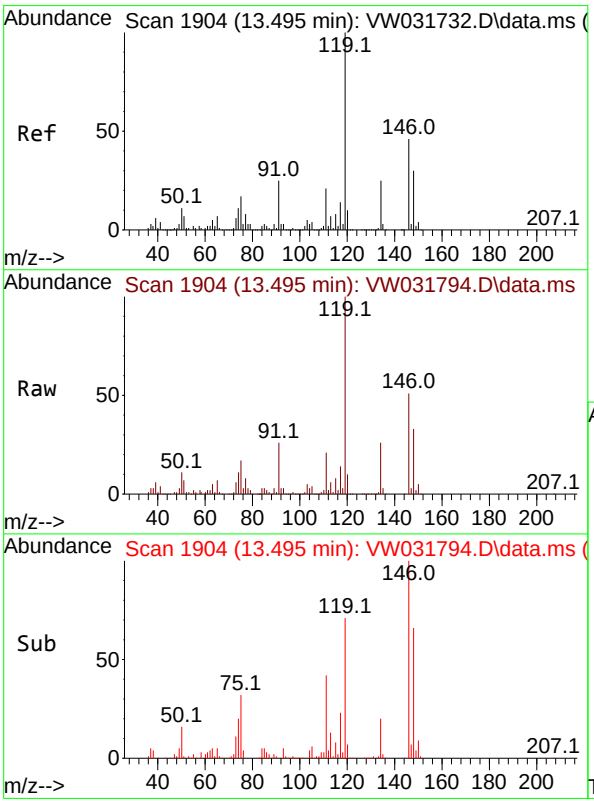
#85
sec-Butylbenzene
Concen: 21.459 ug/l
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:105 Resp: 301636

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

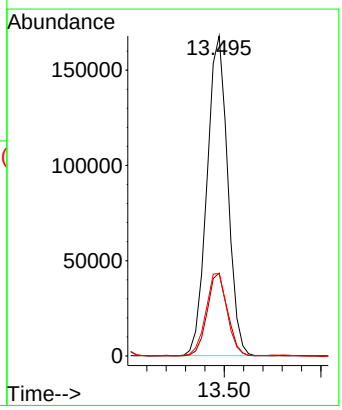


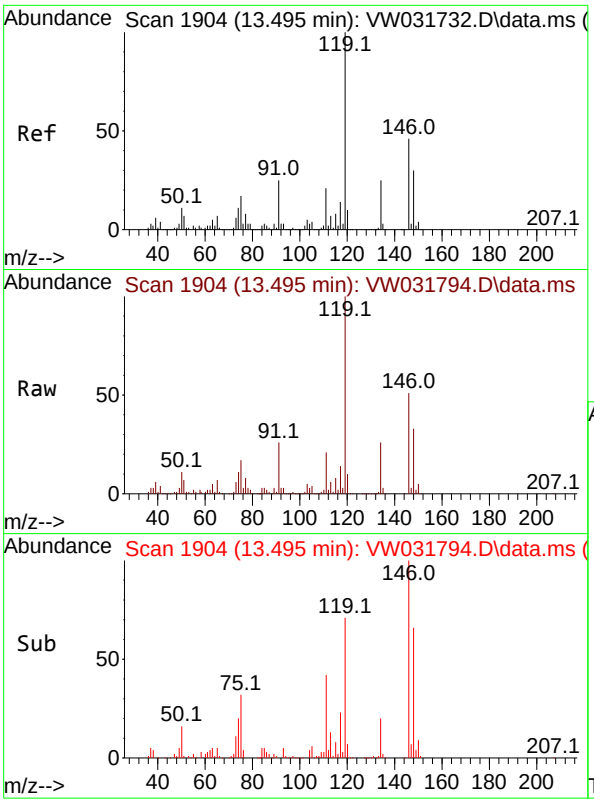


#86
p-Isopropyltoluene
Concen: 21.608 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:119 Resp: 250318

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	26.2	12.7	38.0



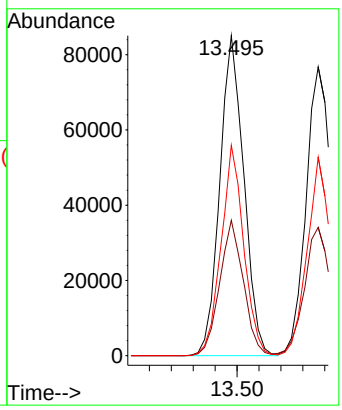


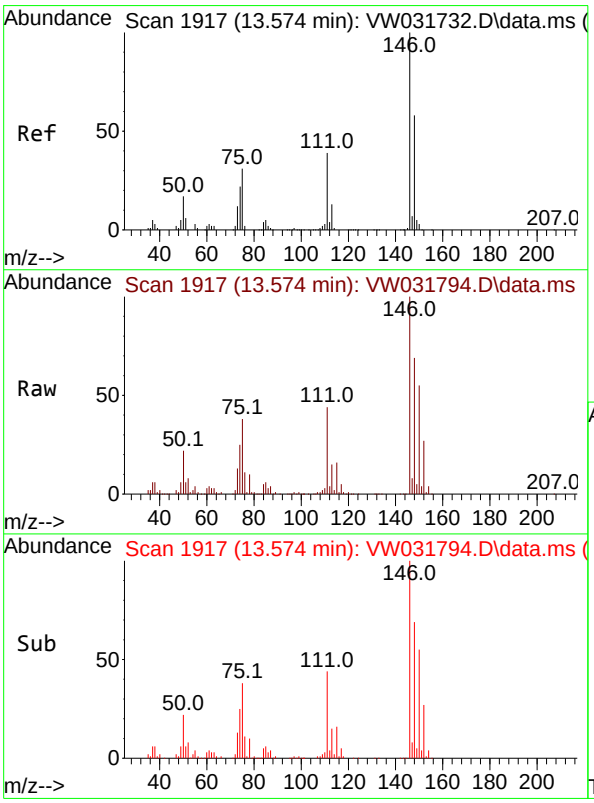
#87
1,3-Dichlorobenzene
Concen: 21.946 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:146 Resp: 129646

Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.3	66.9
148	62.1	31.8	95.4

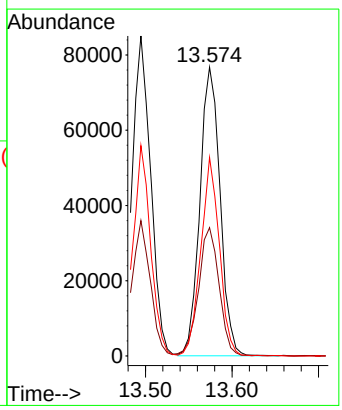


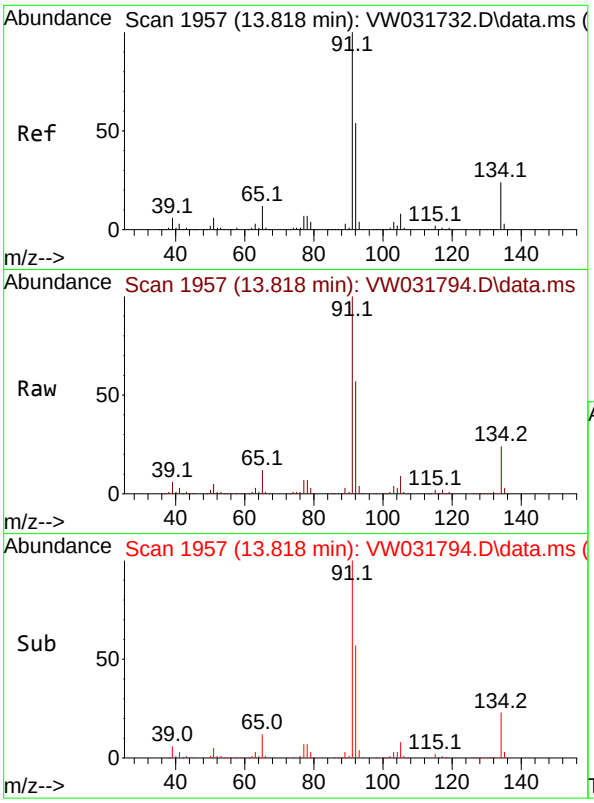


#88
1,4-Dichlorobenzene
Concen: 20.548 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:146 Resp: 124248

Ion	Ratio	Lower	Upper
146	100		
111	45.1	20.4	61.3
148	63.5	30.2	90.6



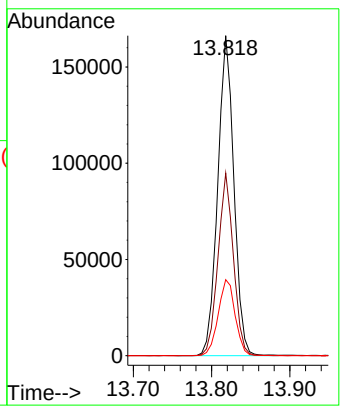


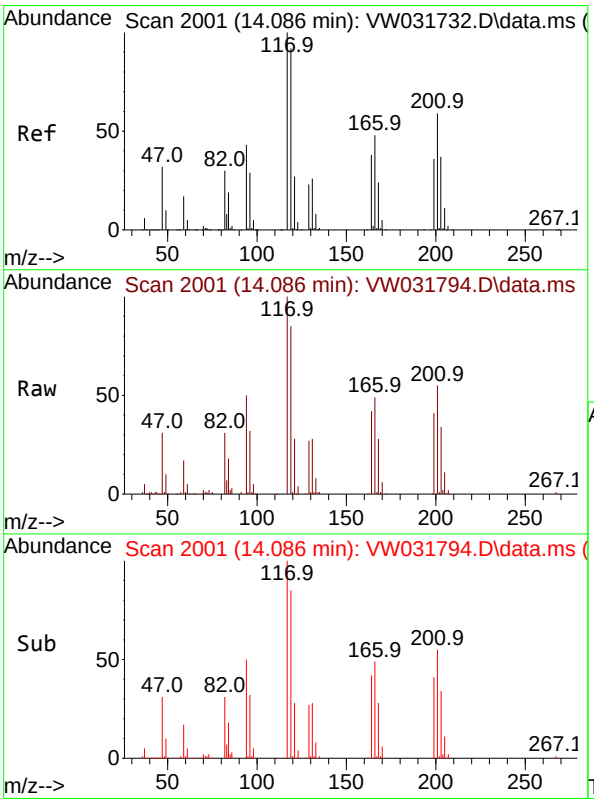
#89
n-Butylbenzene
Concen: 21.201 ug/l
RT: 13.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion: 91 Resp: 238633

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	25.0	12.2	36.6

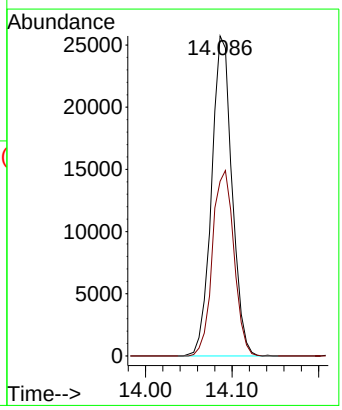


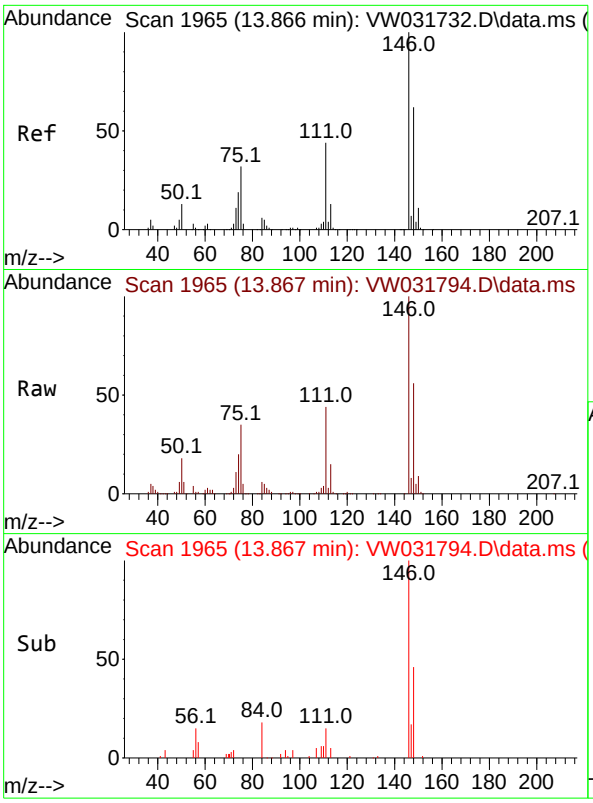


#90
Hexachloroethane
Concen: 20.195 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:117 Resp: 42207

Ion	Ratio	Lower	Upper
117	100		
201	60.8	31.1	93.3



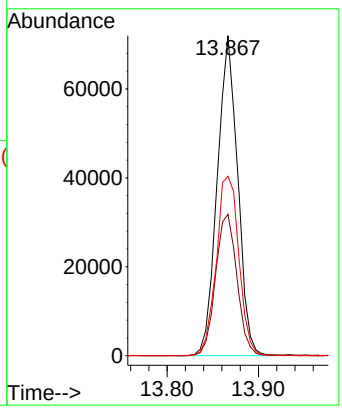


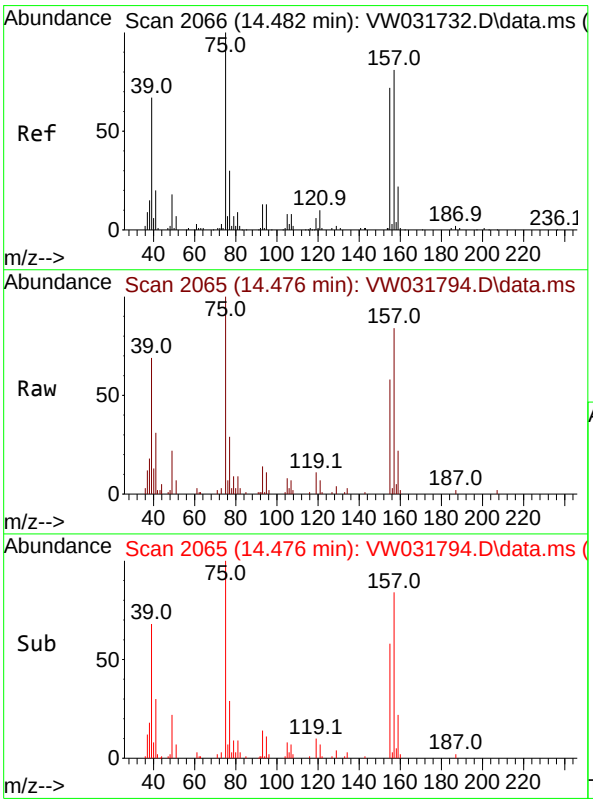
#91
1,2-Dichlorobenzene
Concen: 20.780 ug/l
RT: 13.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:146 Resp: 112201

Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.7	65.1
148	61.9	29.8	89.5

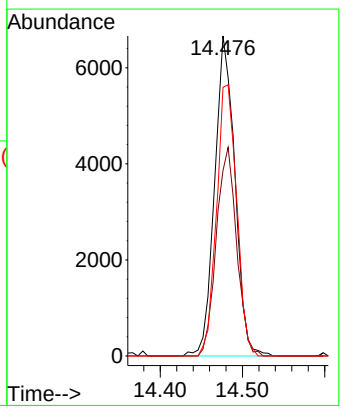


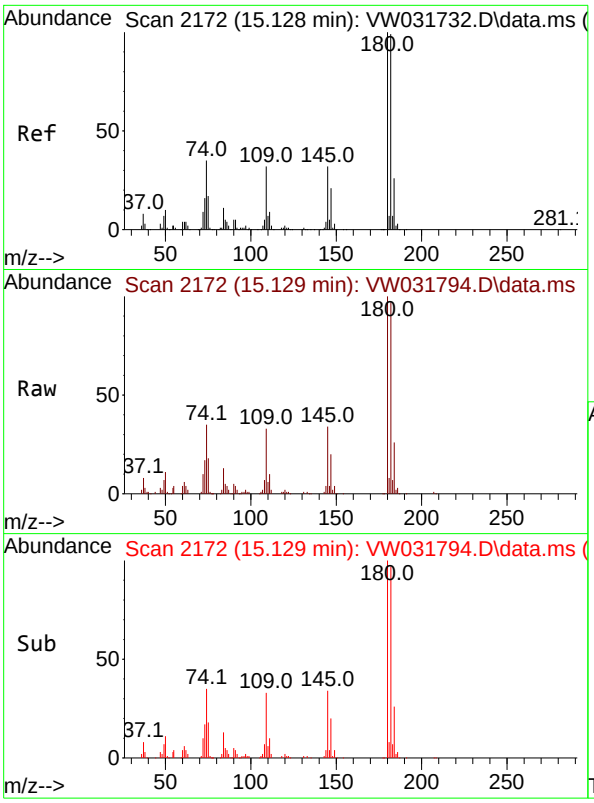


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.920 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion: 75 Resp: 11405

Ion	Ratio	Lower	Upper
75	100		
155	65.4	37.2	111.6
157	84.1	45.6	136.9



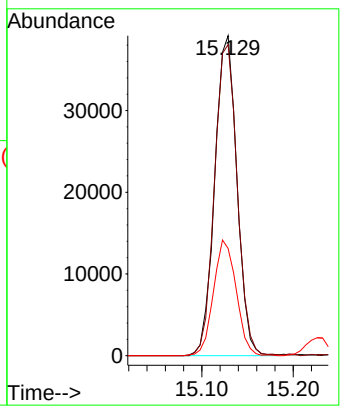


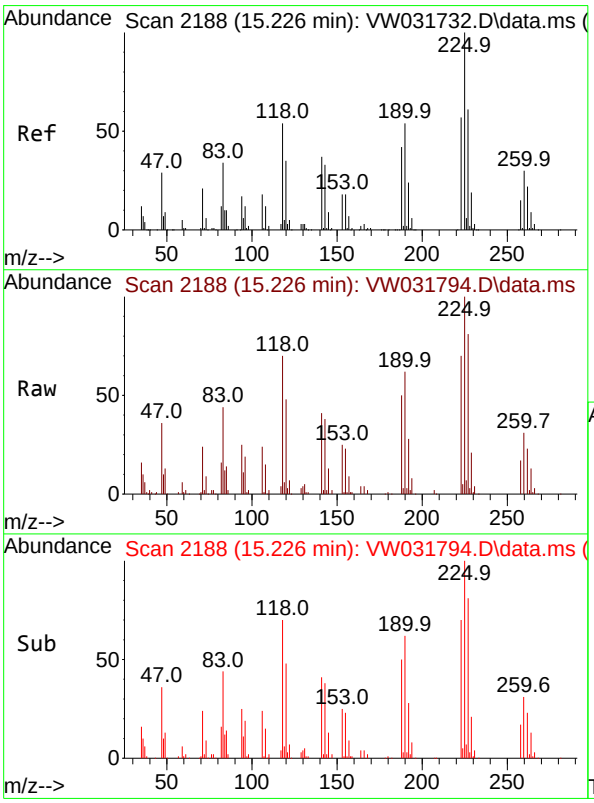
#93
1,2,4-Trichlorobenzene
Concen: 19.848 ug/l
RT: 15.129 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:180 Resp: 66095

Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.6	145.9
145	37.0	17.3	51.7

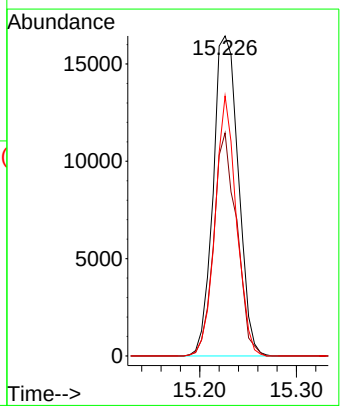


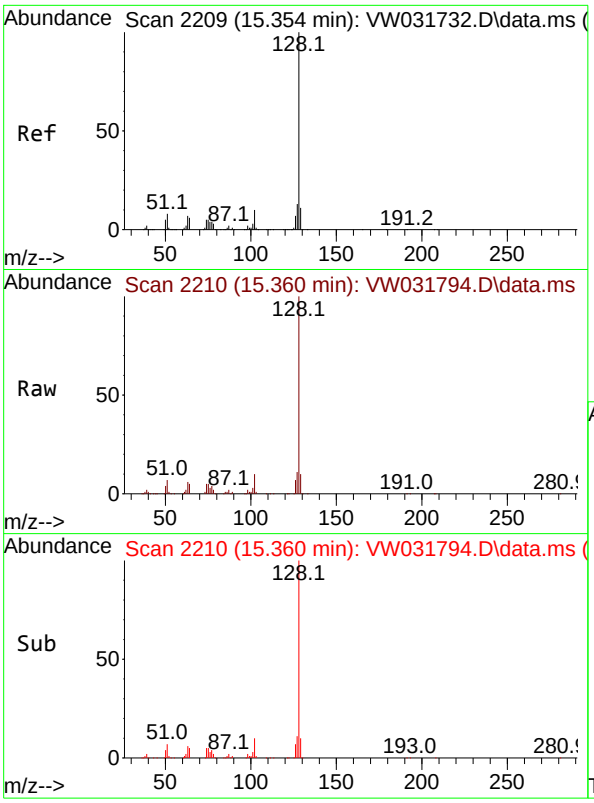


#94
Hexachlorobutadiene
Concen: 18.467 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:225 Resp: 29695

Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.6	97.8
227	68.8	37.3	111.8



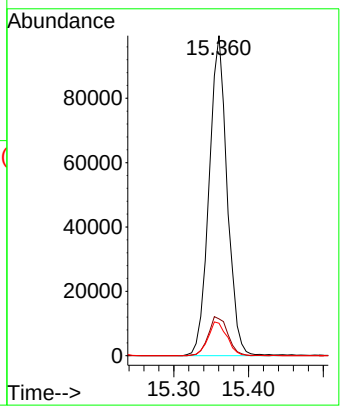


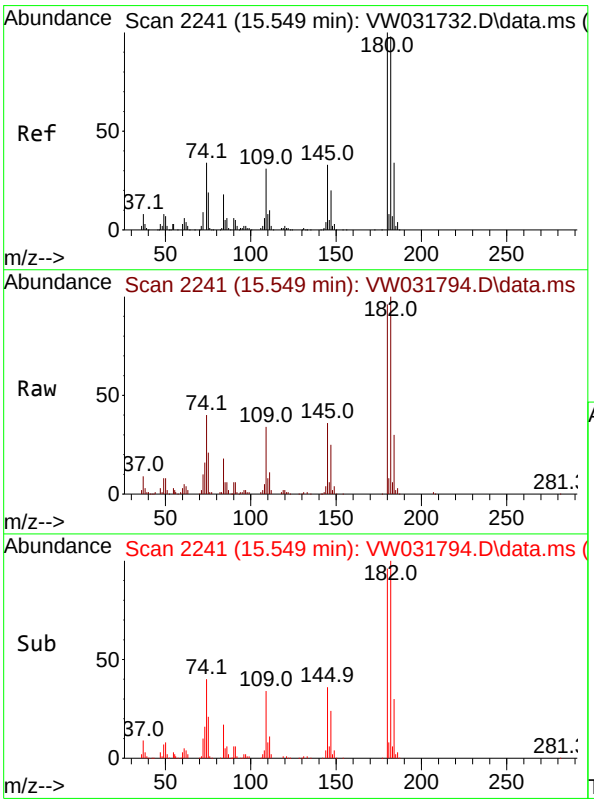
#95
Naphthalene
Concen: 20.472 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Instrument :
MSVOA_W
ClientSampleId :
VW0710SBSD01

Tgt Ion:128 Resp: 167135

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.1	8.7	13.1

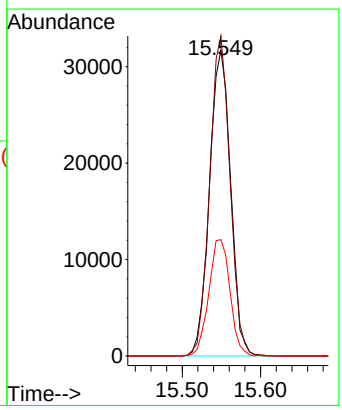




#96
1,2,3-Trichlorobenzene
Concen: 19.452 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW031794.D
Acq: 10 Jul 2025 11:33

Tgt Ion:180 Resp: 59518

Ion	Ratio	Lower	Upper
180	100		
182	100.4	46.4	139.1
145	38.1	17.8	53.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	205369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	390811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	165102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161614	54.835	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 109.680%			
35) Dibromofluoromethane	7.904	113	129906	50.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.880%			
50) Toluene-d8	10.330	98	487382	51.356	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.617	95	183915	52.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.051	85	55661	39.797	ug/l	97
3) Chloromethane	2.259	50	80628	47.816	ug/l	99
4) Vinyl Chloride	2.411	62	110571	49.890	ug/l	97
5) Bromomethane	2.832	94	83568	48.274	ug/l	97
6) Chloroethane	2.978	64	75735	50.307	ug/l	93
7) Trichlorofluoromethane	3.307	101	95064	47.230	ug/l	98
8) Diethyl Ether	3.728	74	83406	54.533	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	104453	46.754	ug/l	99
10) Methyl Iodide	4.307	142	175224	50.876	ug/l	99
11) Tert butyl alcohol	5.234	59	47503	260.158	ug/l	96
12) 1,1-Dichloroethene	4.088	96	122342	49.995	ug/l	97
13) Acrolein	3.941	56	40631	123.808	ug/l	98
14) Allyl chloride	4.709	41	200427	53.382	ug/l	98
15) Acrylonitrile	5.411	53	204754	272.235	ug/l	99
16) Acetone	4.167	43	173623	238.337	ug/l	98
17) Carbon Disulfide	4.429	76	311128	47.513	ug/l	97
18) Methyl Acetate	4.716	43	128556	61.747	ug/l	97
19) Methyl tert-butyl Ether	5.465	73	240502	57.904	ug/l	97
20) Methylene Chloride	4.959	84	194722	69.515	ug/l	95
21) trans-1,2-Dichloroethene	5.465	96	139455	53.633	ug/l	92
22) Diisopropyl ether	6.349	45	441696	60.319	ug/l	97
23) Vinyl Acetate	6.288	43	1395702	279.048	ug/l	99
24) 1,1-Dichloroethane	6.252	63	265504	55.926	ug/l	99
25) 2-Butanone	7.197	43	267190	281.927	ug/l	99
26) 2,2-Dichloropropane	7.191	77	130360	47.063	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	168047	56.224	ug/l	99
28) Bromochloromethane	7.532	49	118177	56.409	ug/l	98
29) Tetrahydrofuran	7.556	42	184175	283.770	ug/l	99
30) Chloroform	7.697	83	280995	55.703	ug/l	96
31) Cyclohexane	7.971	56	195744	46.645	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	200972	51.696	ug/l	100
36) 1,1-Dichloropropene	8.099	75	184153	49.902	ug/l	99
37) Ethyl Acetate	7.276	43	122459	52.605	ug/l	99
38) Carbon Tetrachloride	8.087	117	176925	47.048	ug/l	92
39) Methylcyclohexane	9.343	83	216833	47.227	ug/l	98
40) Benzene	8.337	78	584651	53.549	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	70876	56.835	ug/l		98
42) 1,2-Dichloroethane	8.416	62	198163	53.716	ug/l		99
43) Isopropyl Acetate	8.440	43	219909	54.802	ug/l		100
44) Trichloroethene	9.105	130	137128	50.321	ug/l		98
45) 1,2-Dichloropropane	9.379	63	144992	54.947	ug/l		96
46) Dibromomethane	9.471	93	93246	54.735	ug/l		95
47) Bromodichloromethane	9.654	83	219851	55.033	ug/l		98
48) Methyl methacrylate	9.446	41	108127	54.800	ug/l		98
49) 1,4-Dioxane	9.471	88	22291	1117.198	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.215	43	638615	276.816	ug/l		100
52) Toluene	10.391	92	376463	53.854	ug/l		97
53) t-1,3-Dichloropropene	10.611	75	204801	54.640	ug/l		99
54) cis-1,3-Dichloropropene	10.080	75	228077	53.676	ug/l		99
55) 1,1,2-Trichloroethane	10.794	97	122974	55.107	ug/l		99
56) Ethyl methacrylate	10.647	69	176460	58.286	ug/l		98
57) 1,3-Dichloropropane	10.934	76	217505	55.515	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	477447	286.397	ug/l		96
59) 2-Hexanone	10.970	43	446782	285.791	ug/l		100
60) Dibromochloromethane	11.129	129	146364	54.848	ug/l		99
61) 1,2-Dibromoethane	11.239	107	120786	54.067	ug/l		99
64) Tetrachloroethene	10.867	164	117464	50.583	ug/l		96
65) Chlorobenzene	11.659	112	417550	53.308	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	131747	52.782	ug/l		98
67) Ethyl Benzene	11.733	91	717465	52.823	ug/l		97
68) m/p-Xylenes	11.836	106	545152	104.409	ug/l		98
69) o-Xylene	12.165	106	259232	53.623	ug/l		99
70) Styrene	12.184	104	459126	54.936	ug/l		100
71) Bromoform	12.348	173	80682	54.184	ug/l	#	97
73) Isopropylbenzene	12.464	105	669362	53.299	ug/l		100
74) N-amyl acetate	12.269	43	194037	57.323	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	153463	55.042	ug/l		99
76) 1,2,3-Trichloropropane	12.769	75	195824	91.782	ug/l	#	1
77) Bromobenzene	12.745	156	151240	53.995	ug/l		90
78) n-propylbenzene	12.799	91	811703	53.975	ug/l		98
79) 2-Chlorotoluene	12.891	91	490300	54.142	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	572236	55.047	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	46207	50.443	ug/l		96
82) 4-Chlorotoluene	12.988	91	515714	54.242	ug/l		98
83) tert-Butylbenzene	13.202	119	474982	53.341	ug/l		100
84) 1,2,4-Trimethylbenzene	13.251	105	581572	55.216	ug/l		99
85) sec-Butylbenzene	13.379	105	703235	52.616	ug/l		100
86) p-Isopropyltoluene	13.494	119	578110	52.484	ug/l		99
87) 1,3-Dichlorobenzene	13.501	146	296325	52.753	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	284279	49.444	ug/l		96
89) n-Butylbenzene	13.818	91	562229	52.534	ug/l		100
90) Hexachloroethane	14.092	117	102713	51.687	ug/l		97
91) 1,2-Dichlorobenzene	13.866	146	271199	52.823	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27823	51.108	ug/l		97
93) 1,2,4-Trichlorobenzene	15.128	180	173286	54.728	ug/l		96
94) Hexachlorobutadiene	15.226	225	70972	46.419	ug/l		96
95) Naphthalene	15.360	128	442766	57.038	ug/l		99
96) 1,2,3-Trichlorobenzene	15.555	180	148972	51.204	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

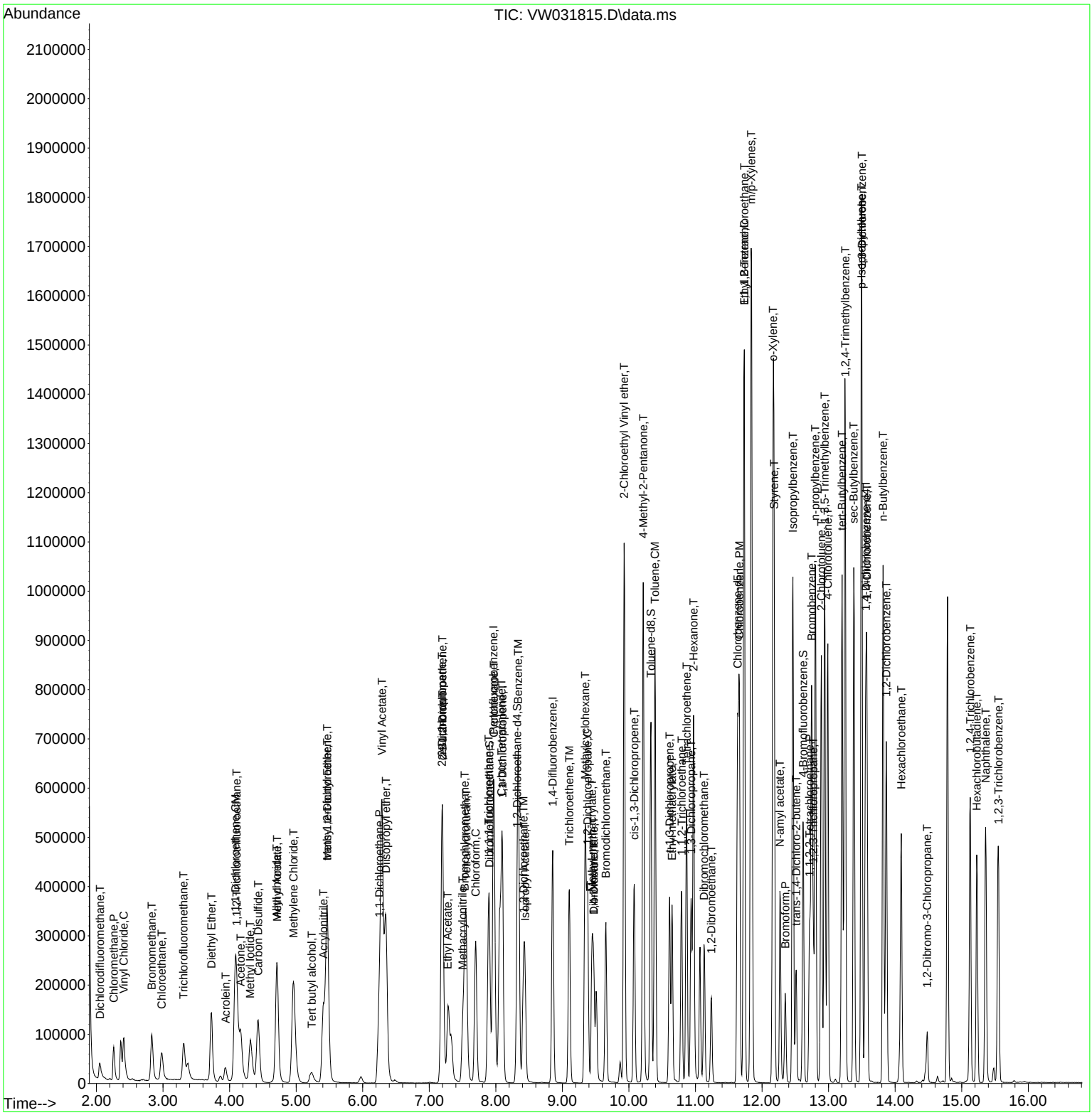
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

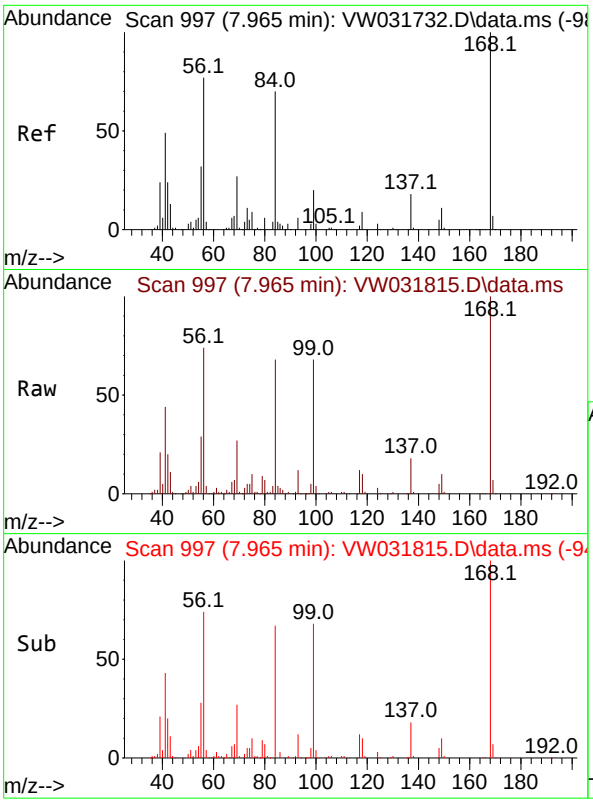
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
Data File : VW031815.D
Acq On : 10 Jul 2025 19:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 11 02:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



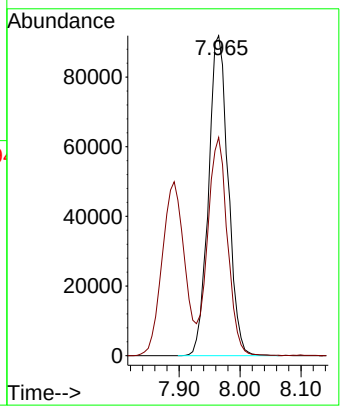


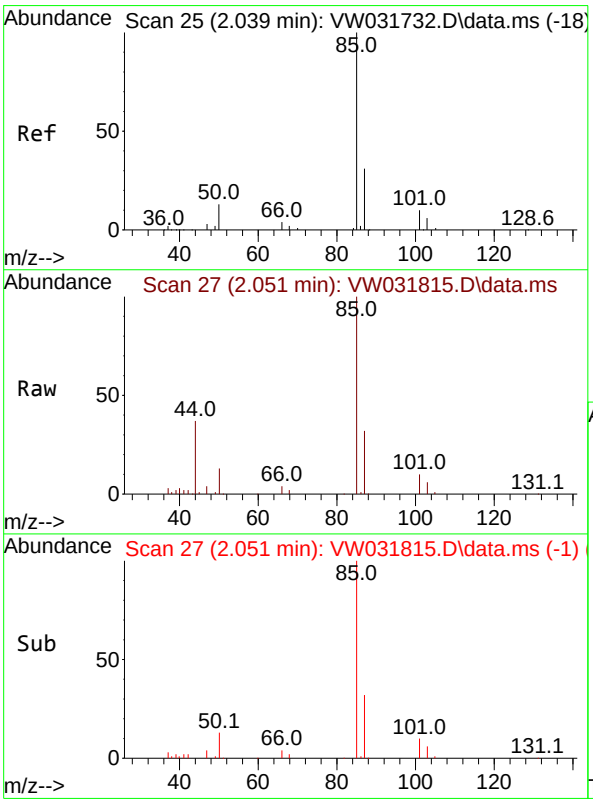
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 205369

Ion	Ratio	Lower	Upper
168	100		
99	68.1	49.4	74.2

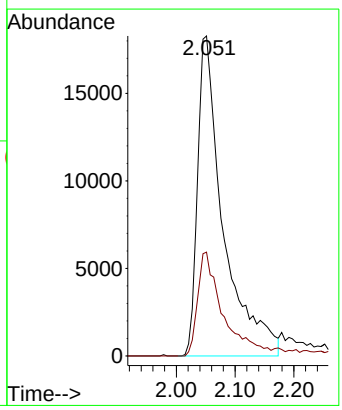


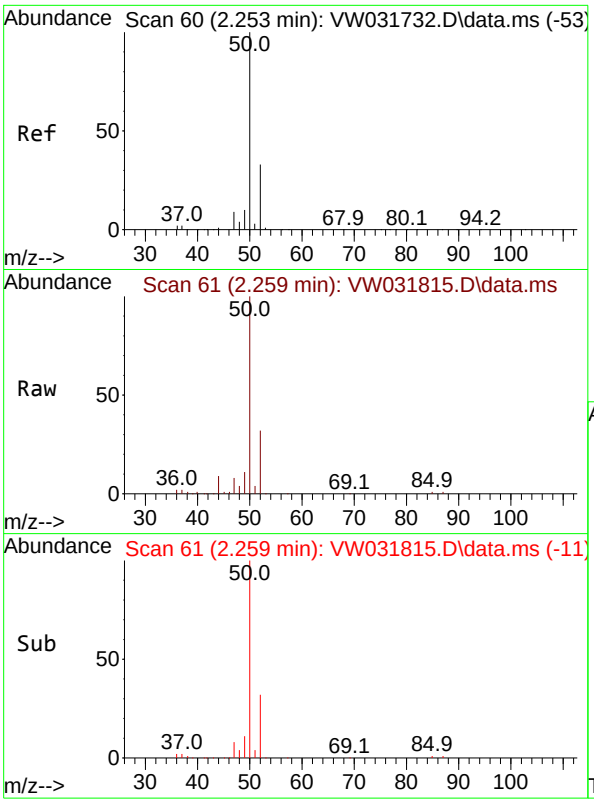


#2
Dichlorodifluoromethane
Concen: 39.797 ug/l
RT: 2.051 min Scan# 27
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 85 Resp: 55661

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.4	46.2



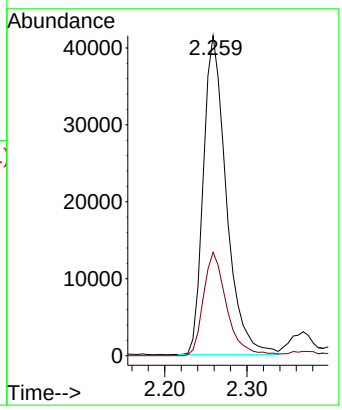


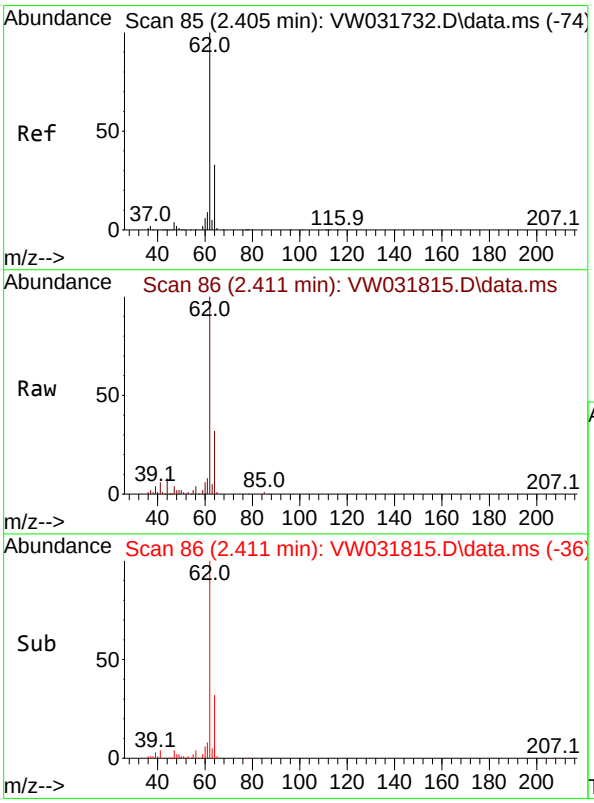
#3
Chloromethane
Concen: 47.816 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 80628

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2

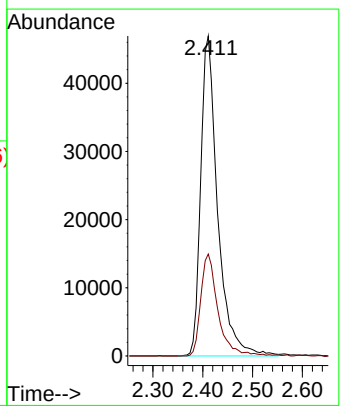


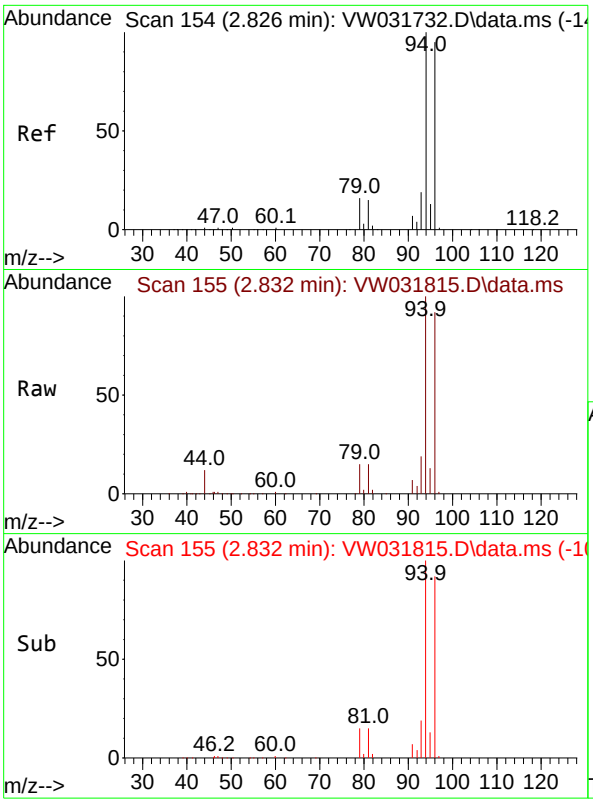


#4
Vinyl Chloride
Concen: 49.890 ug/l
RT: 2.411 min Scan# 86
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 62 Resp: 110571

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.8	40.2



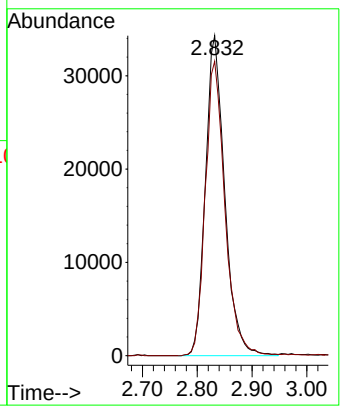


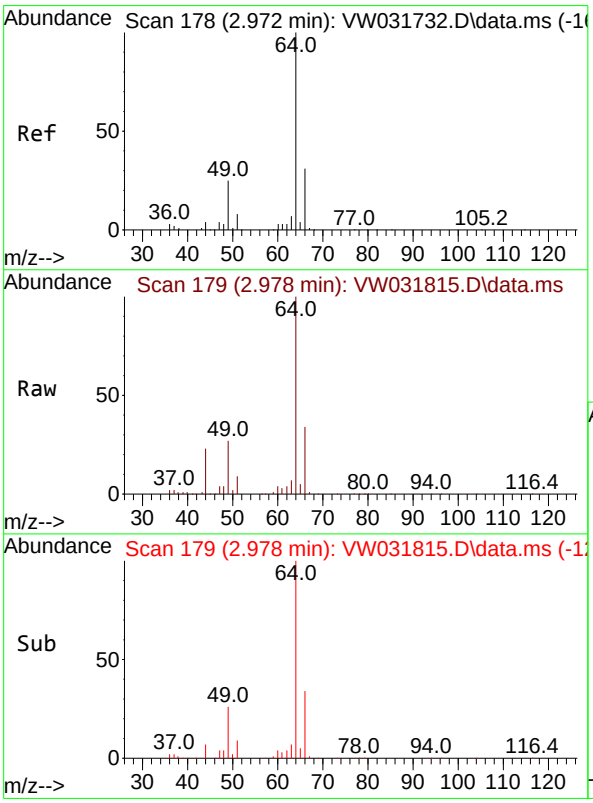
#5
Bromomethane
Concen: 48.274 ug/l
RT: 2.832 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 83568

Ion	Ratio	Lower	Upper
94	100		
96	92.0	75.6	113.4

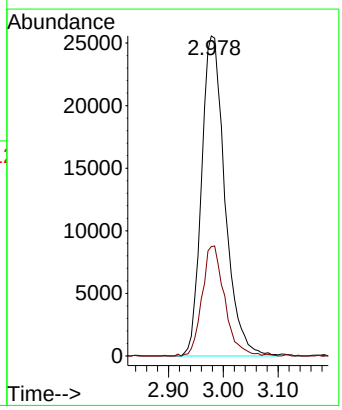


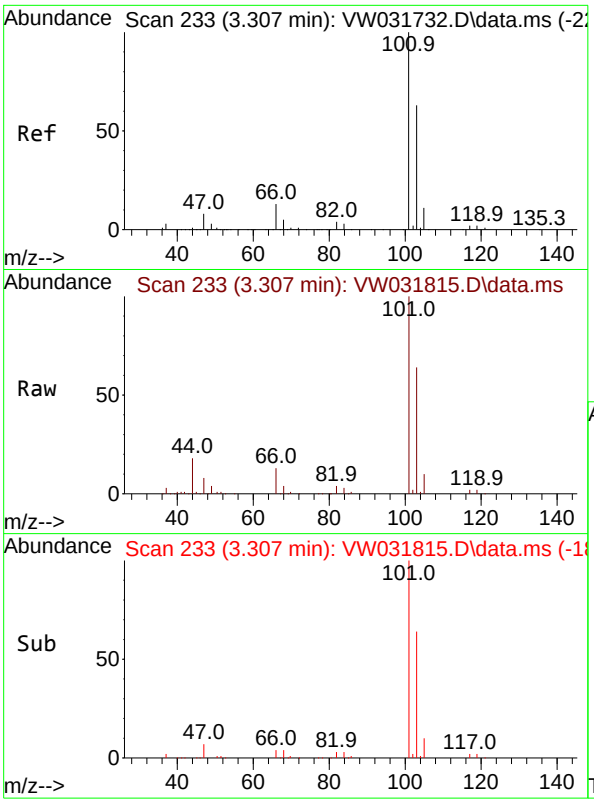


#6
Chloroethane
Concen: 50.307 ug/l
RT: 2.978 min Scan# 179
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 64 Resp: 75735

Ion	Ratio	Lower	Upper
64	100		
66	34.2	24.5	36.7



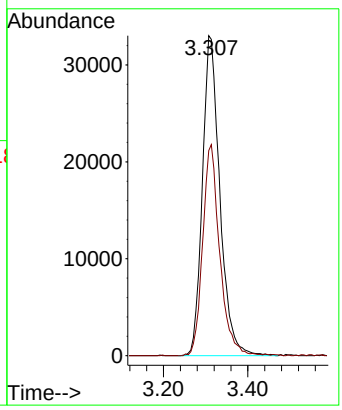


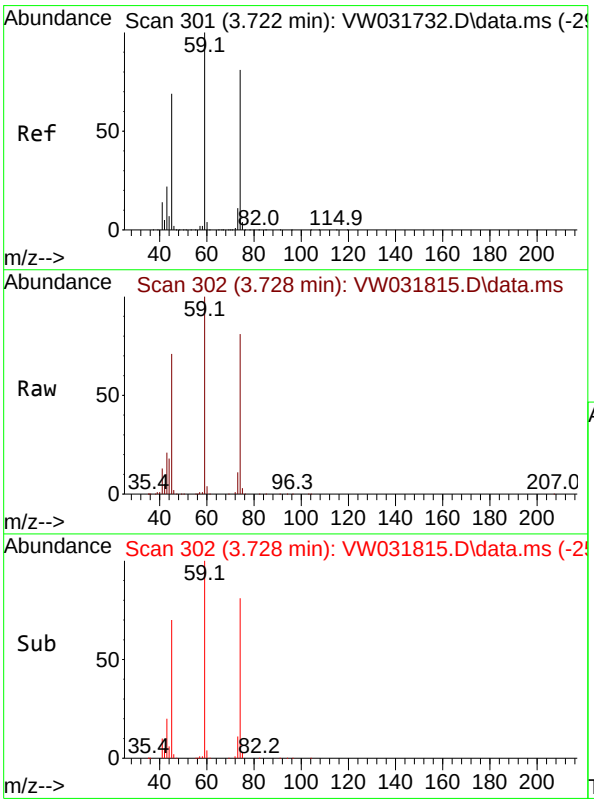
#7
Trichlorofluoromethane
Concen: 47.230 ug/l
RT: 3.307 min Scan# 2
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 95064

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.2	75.4

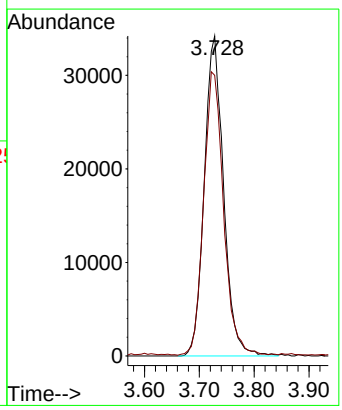


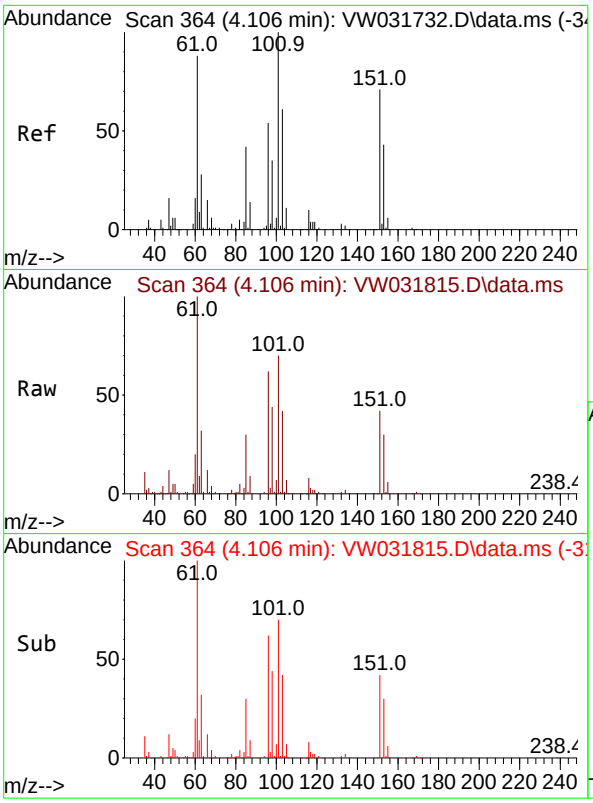


#8
Diethyl Ether
Concen: 54.533 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 74 Resp: 83406

Ion	Ratio	Lower	Upper
74	100		
45	91.4	43.9	131.7



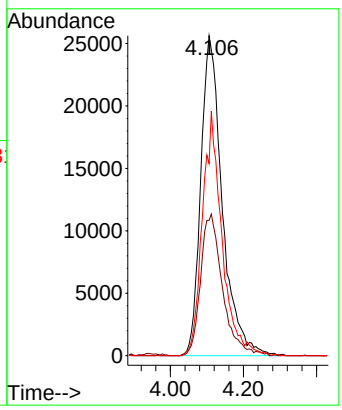


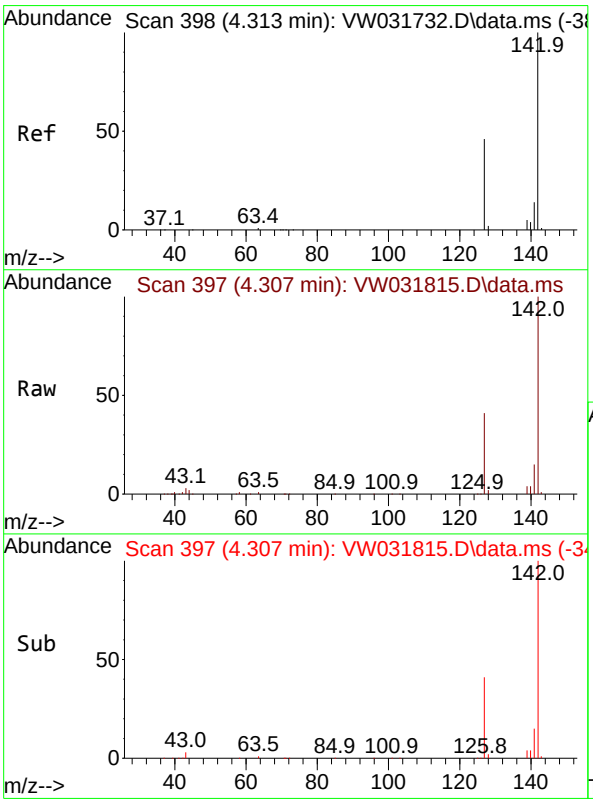
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.754 ug/l
RT: 4.106 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 104453

Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.6	53.4
151	69.6	56.8	85.2

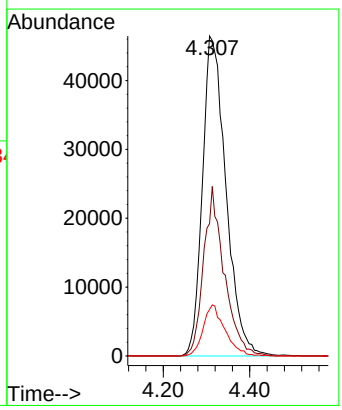


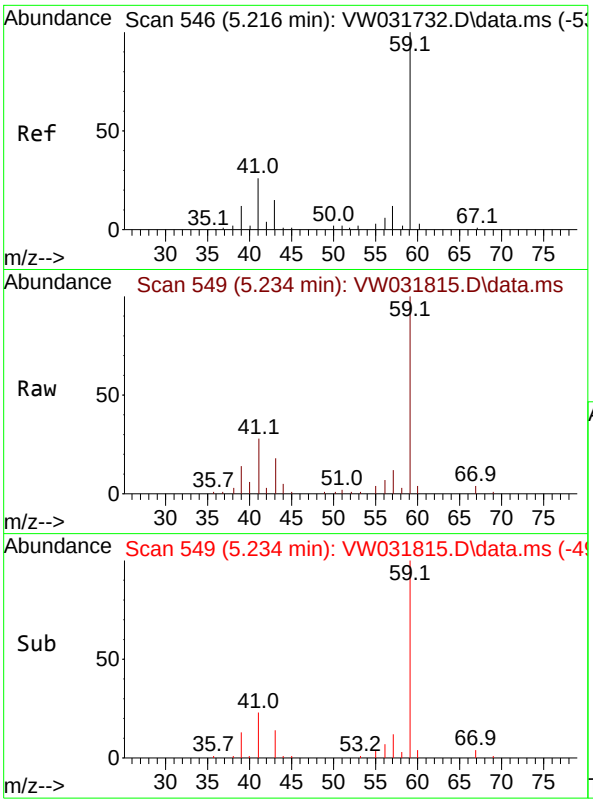


#10
Methyl Iodide
Concen: 50.876 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:142 Resp: 175224

Ion	Ratio	Lower	Upper
142	100		
127	46.3	37.9	56.9
141	14.8	11.7	17.5



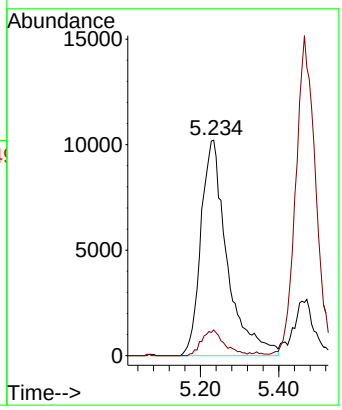


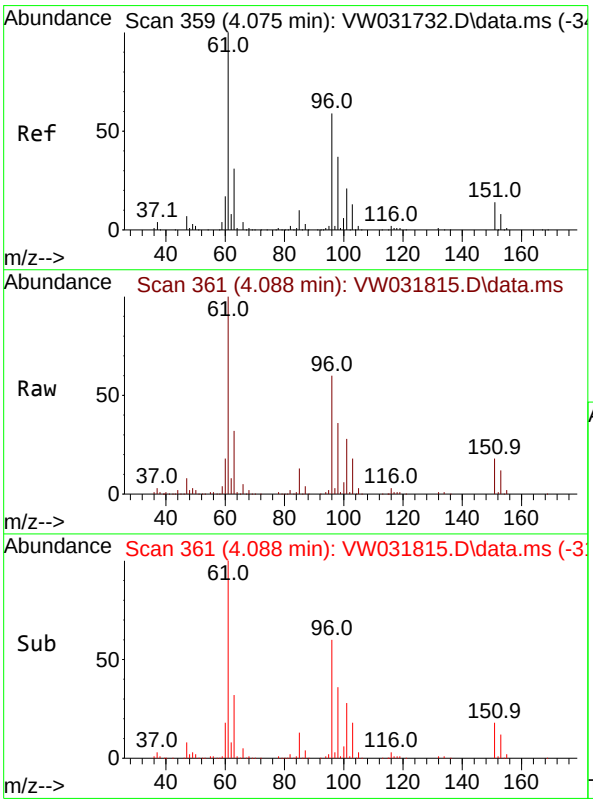
#11
Tert butyl alcohol
Concen: 260.158 ug/l
RT: 5.234 min Scan# 54
Delta R.T. 0.018 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 47503

Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.5	14.3

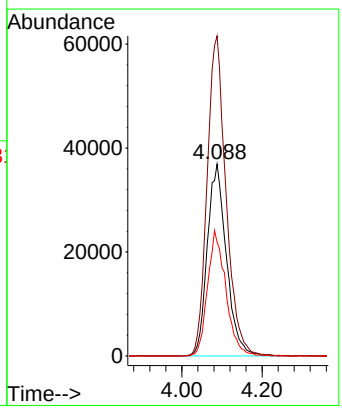


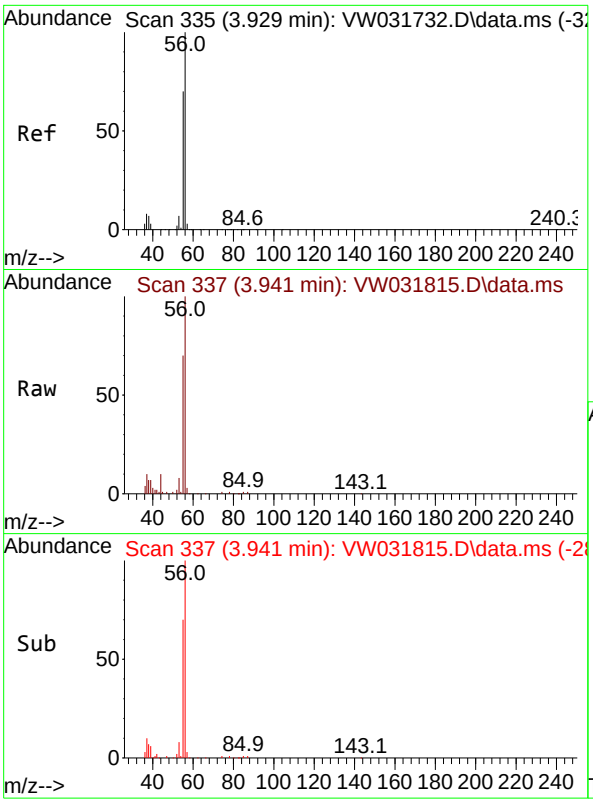


#12
1,1-Dichloroethene
Concen: 49.995 ug/l
RT: 4.088 min Scan# 361
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 96 Resp: 122342

Ion	Ratio	Lower	Upper
96	100		
61	166.8	135.8	203.8
98	59.3	50.4	75.6



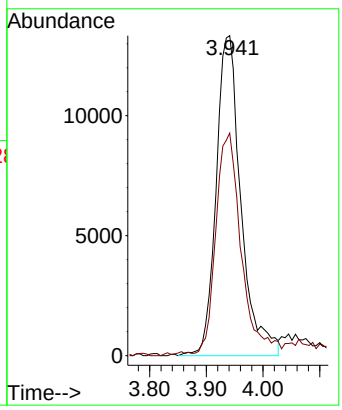


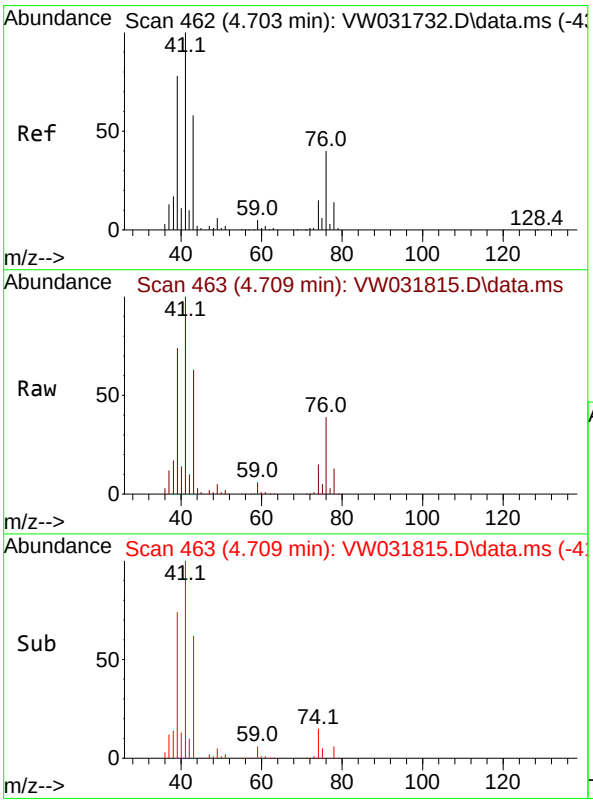
#13
Acrolein
Concen: 123.808 ug/l
RT: 3.941 min Scan# 3
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 40631

Ion	Ratio	Lower	Upper
56	100		
55	69.3	54.0	81.0

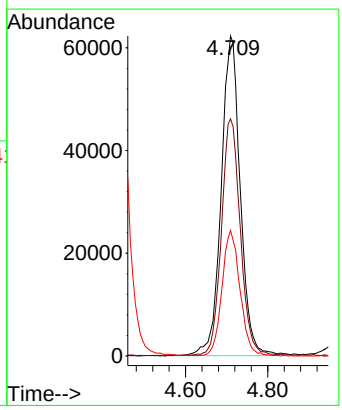


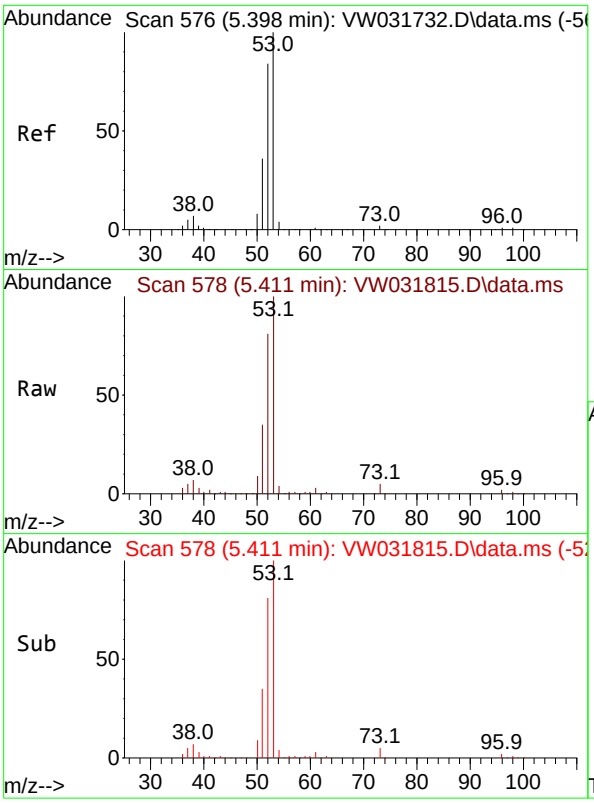


#14
Allyl chloride
Concen: 53.382 ug/l
RT: 4.709 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 41 Resp: 200427

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.7	91.1
76	37.2	30.3	45.5



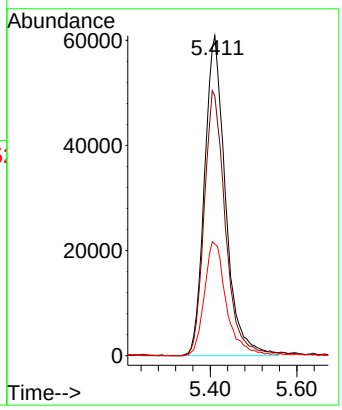


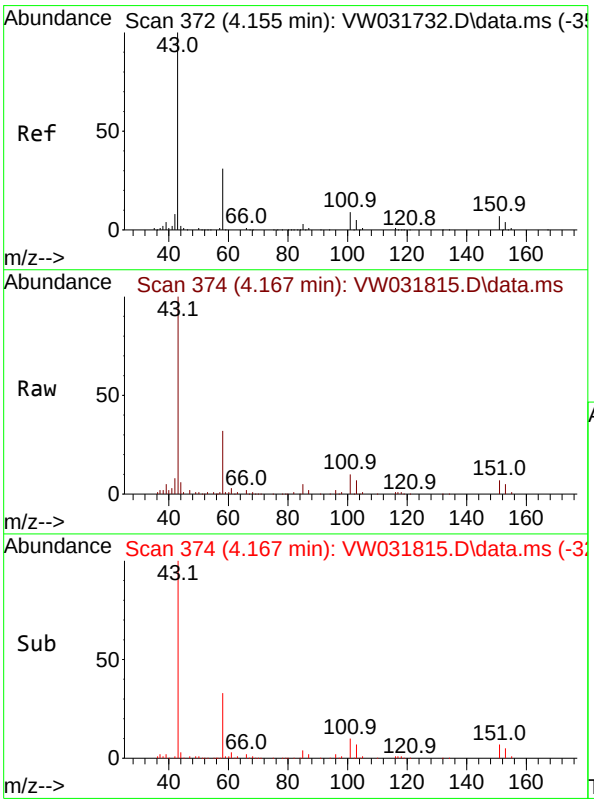
#15
Acrylonitrile
Concen: 272.235 ug/l
RT: 5.411 min Scan# 5
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 204754

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	37.3	29.9	44.9

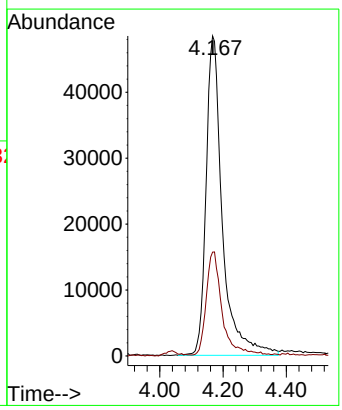


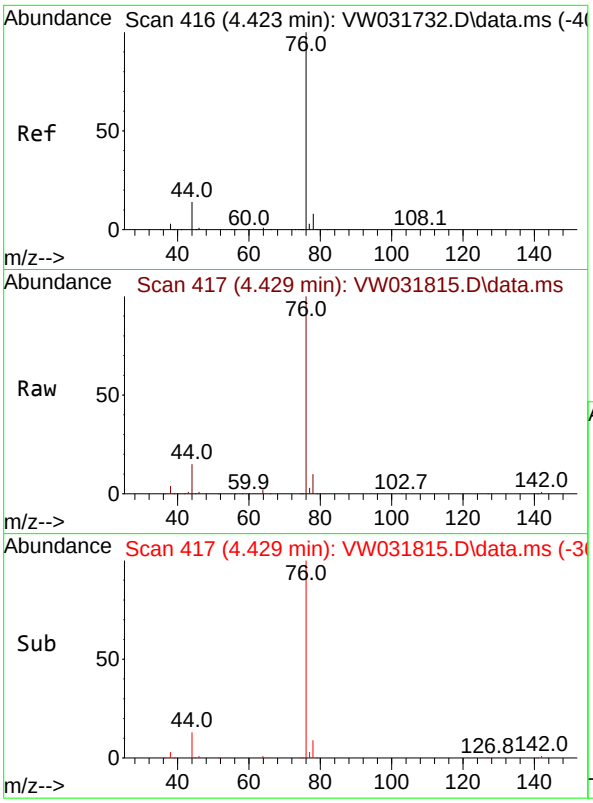


#16
Acetone
Concen: 238.337 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 173623

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.8	37.2



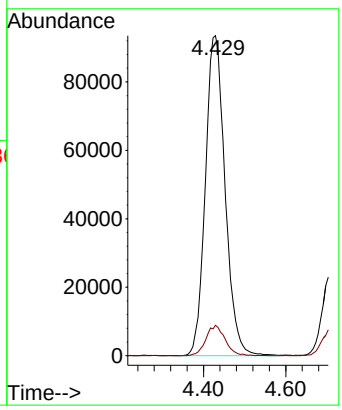


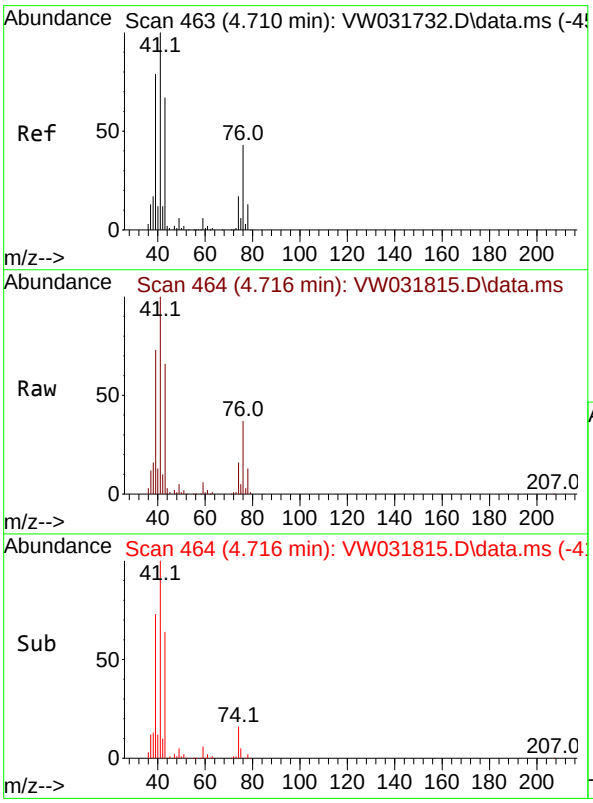
#17
Carbon Disulfide
Concen: 47.513 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 311128

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	10.0

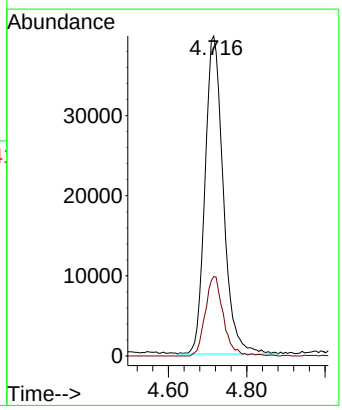


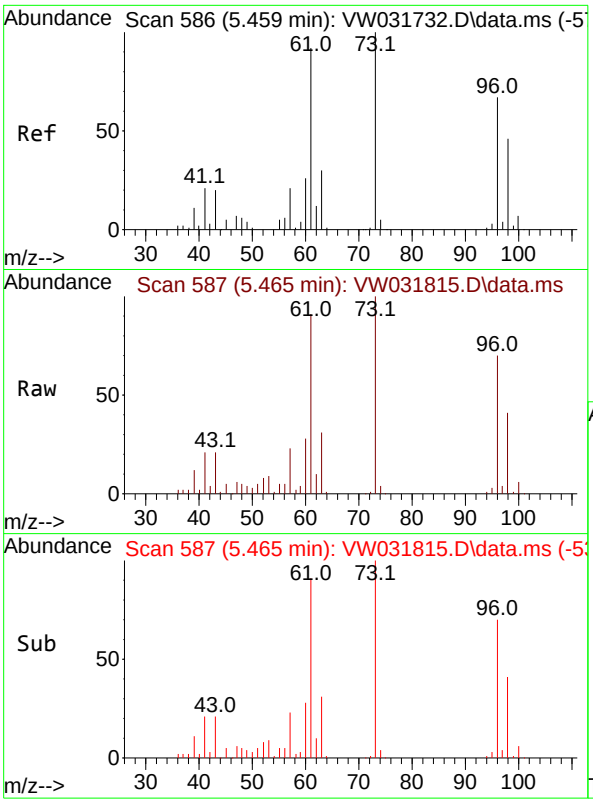


#18
Methyl Acetate
Concen: 61.747 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 128556

Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.6	30.8



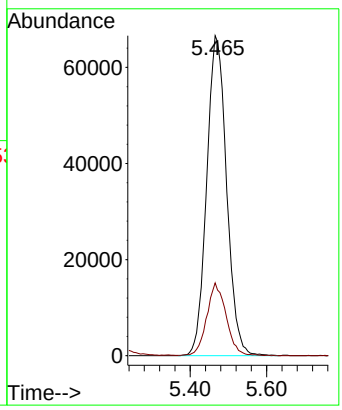


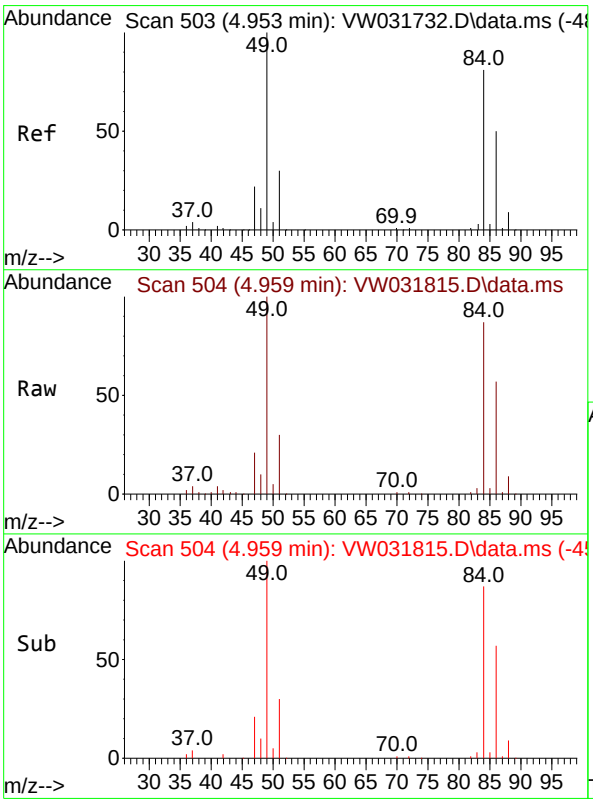
#19
Methyl tert-butyl Ether
Concen: 57.904 ug/l
RT: 5.465 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 240502

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.2	25.8

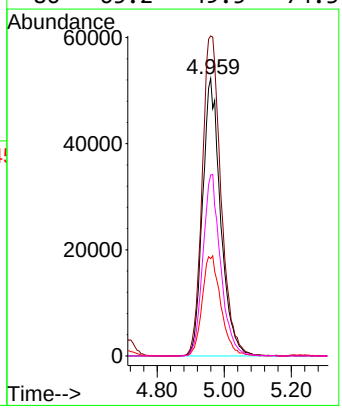


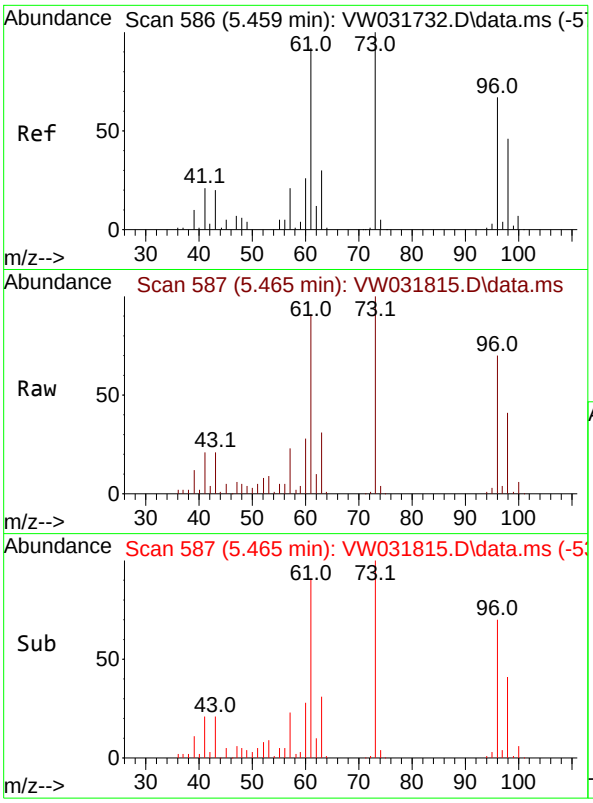


#20
Methylene Chloride
Concen: 69.515 ug/l
RT: 4.959 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 84 Resp: 194722

Ion	Ratio	Lower	Upper
84	100		
49	115.3	98.2	147.4
51	35.1	29.8	44.8
86	65.2	49.5	74.3



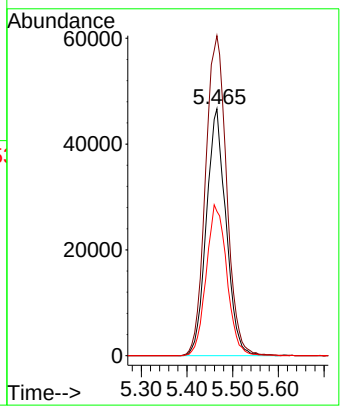


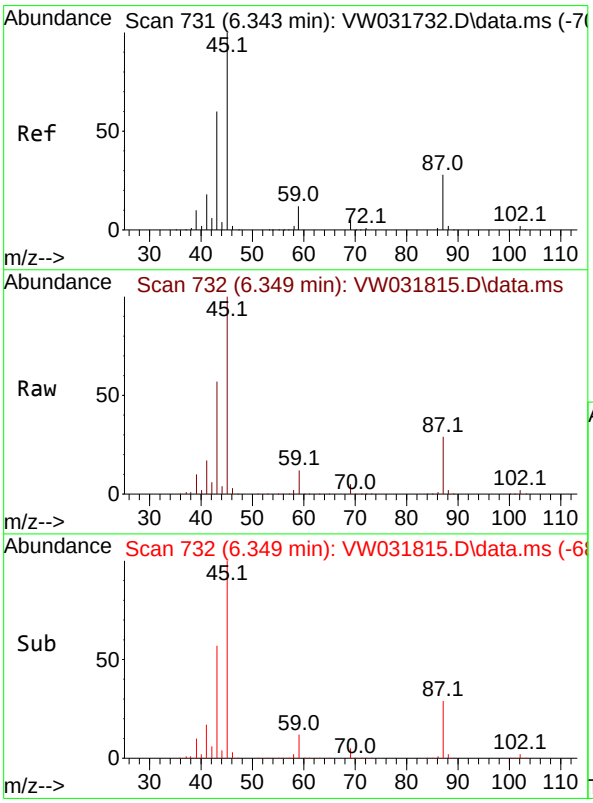
#21
trans-1,2-Dichloroethene
Concen: 53.633 ug/l
RT: 5.465 min Scan# 5
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 139455

Ion	Ratio	Lower	Upper
96	100		
61	129.6	109.8	164.6
98	58.4	54.9	82.3

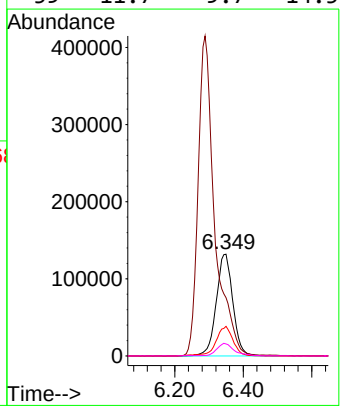


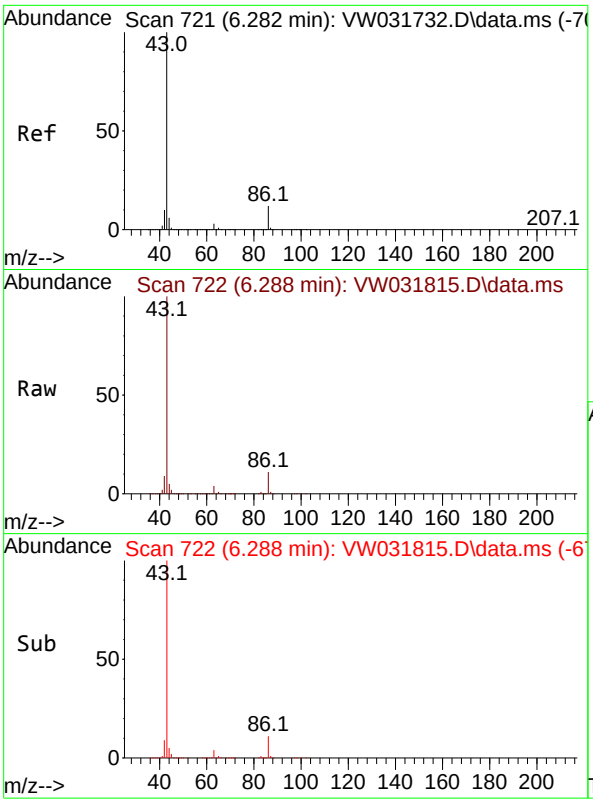


#22
Diisopropyl ether
Concen: 60.319 ug/l
RT: 6.349 min Scan# 732
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 45 Resp: 441696

Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.3	72.5
87	29.1	22.6	34.0
59	11.7	9.7	14.5



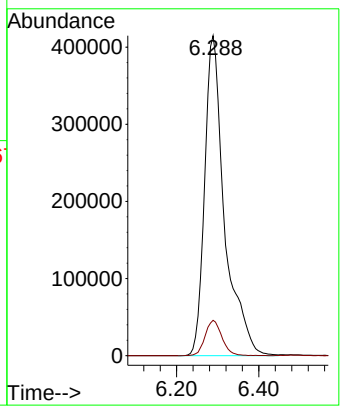


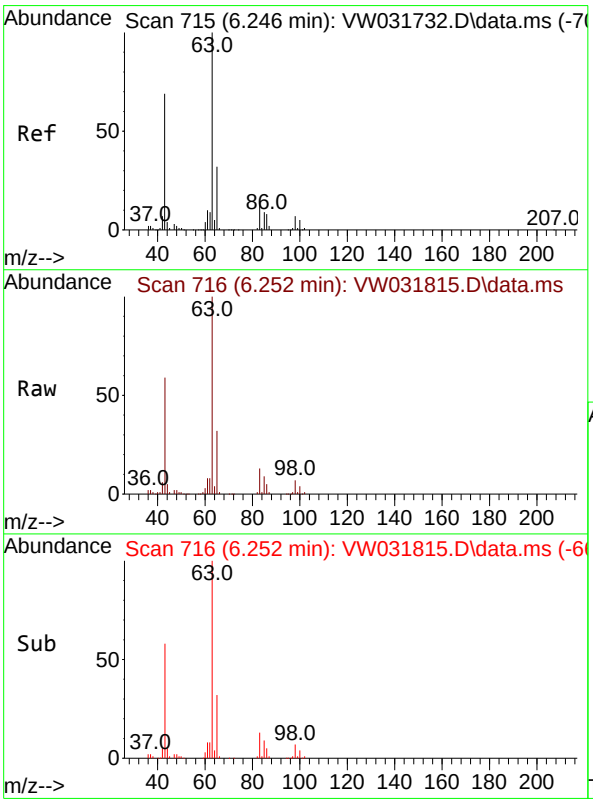
#23
Vinyl Acetate
Concen: 279.048 ug/l
RT: 6.288 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1395702

Ion	Ratio	Lower	Upper
43	100		
86	11.1	9.2	13.8

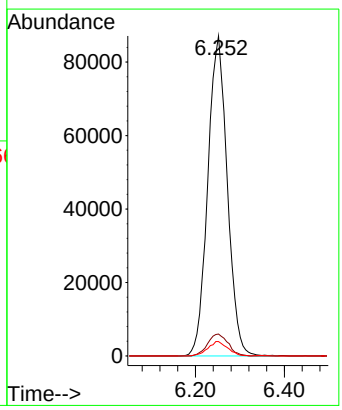


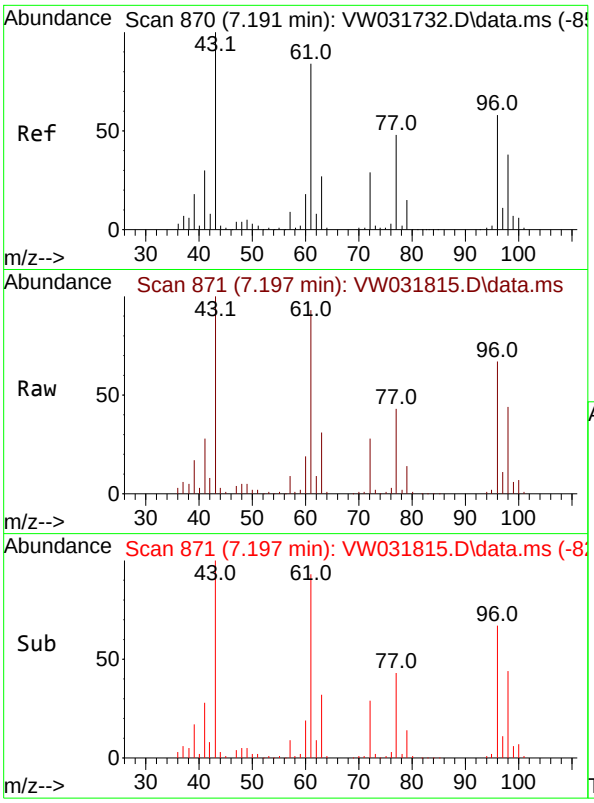


#24
1,1-Dichloroethane
Concen: 55.926 ug/l
RT: 6.252 min Scan# 716
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 63 Resp: 265504

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.5	2.5	7.5



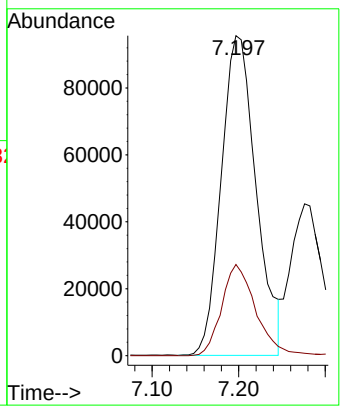


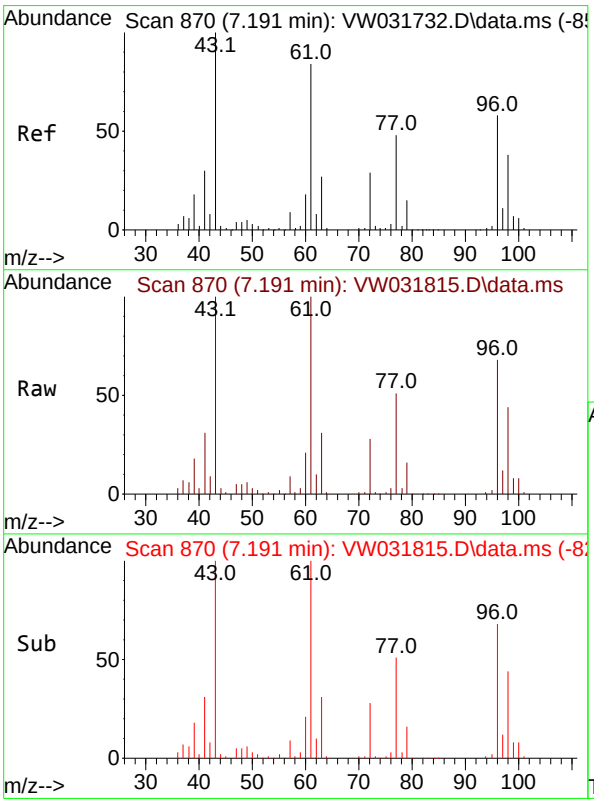
#25
2-Butanone
Concen: 281.927 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 267190

Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6

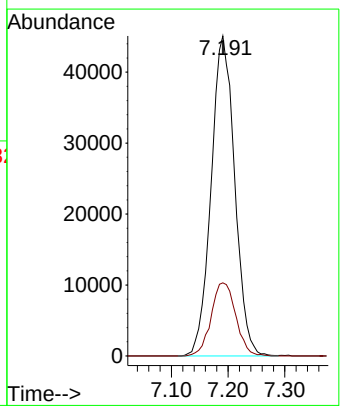


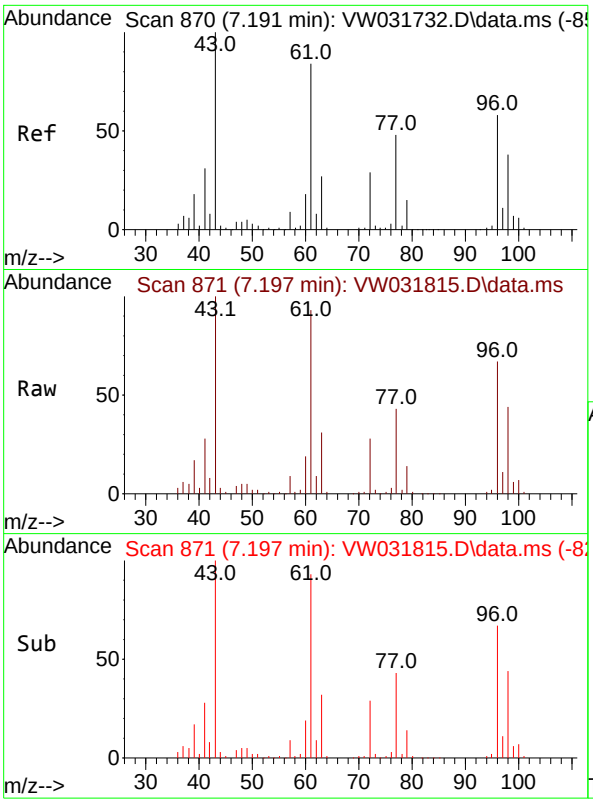


#26
2,2-Dichloropropane
Concen: 47.063 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 77 Resp: 130360

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.6	34.7



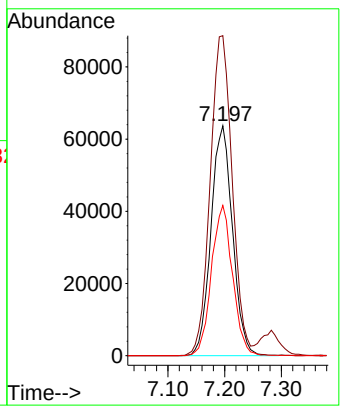


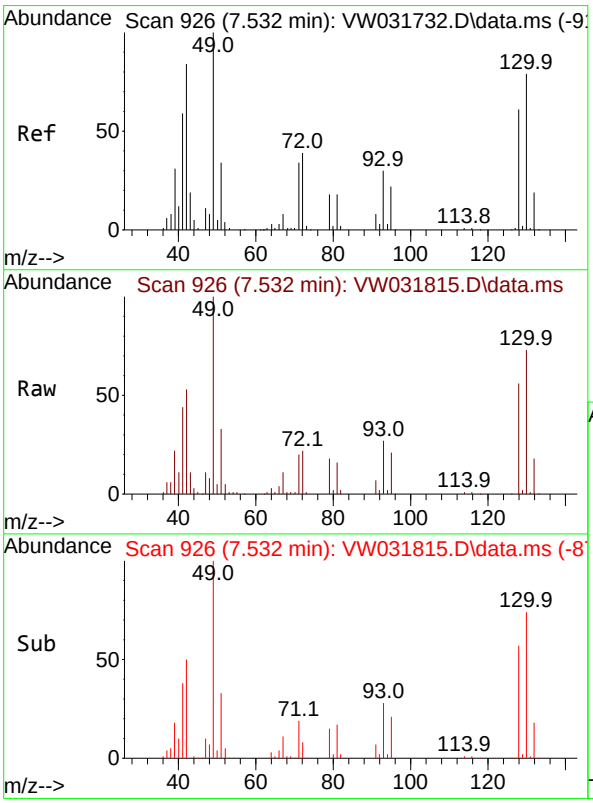
#27
cis-1,2-Dichloroethene
Concen: 56.224 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 168047

Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	286.8
98	64.0	0.0	130.4

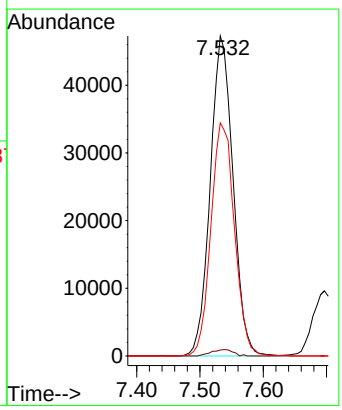


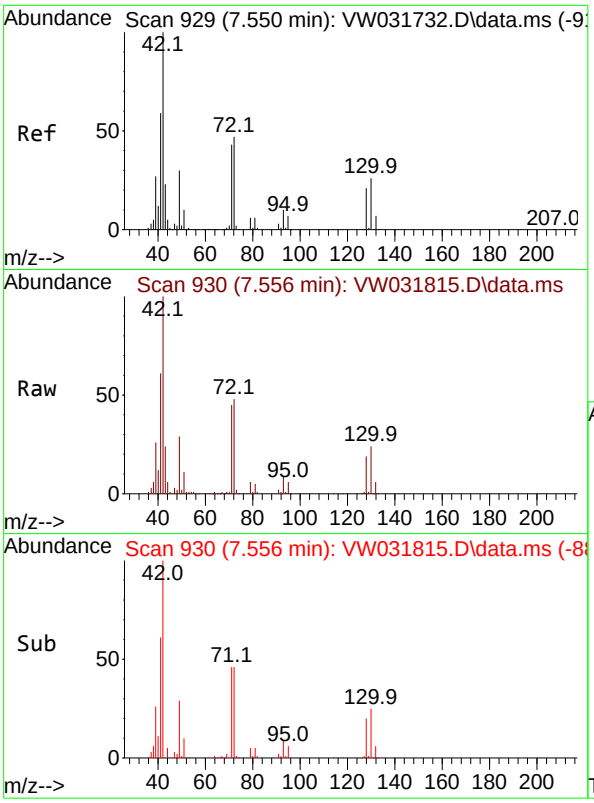


#28
Bromochloromethane
Concen: 56.409 ug/l
RT: 7.532 min Scan# 926
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 49 Resp: 118177

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.4
130	75.3	61.3	91.9



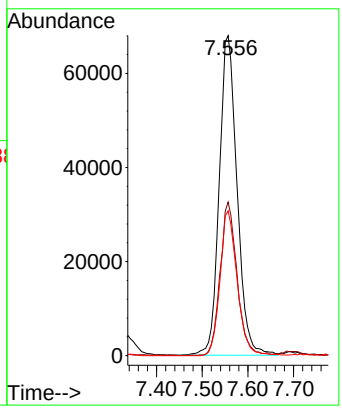


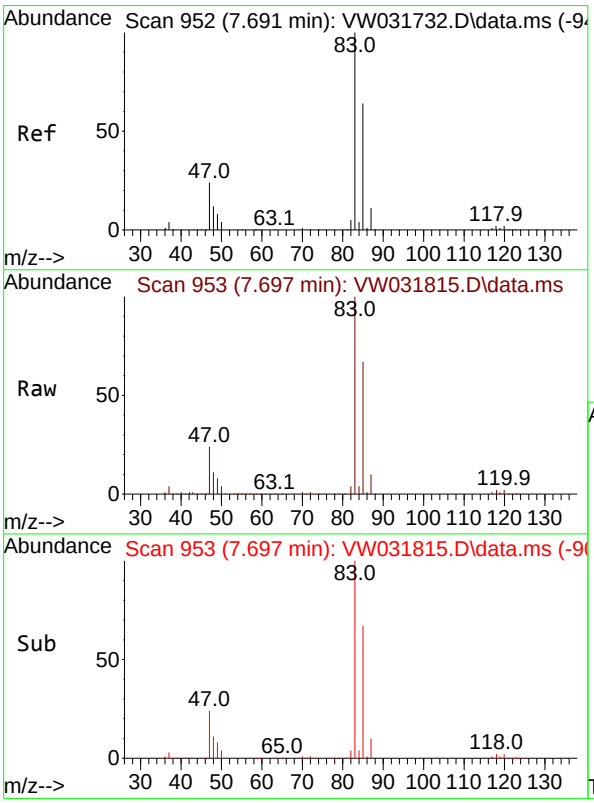
#29
Tetrahydrofuran
Concen: 283.770 ug/l
RT: 7.556 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 184175

Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.8	55.2
71	43.6	34.6	52.0

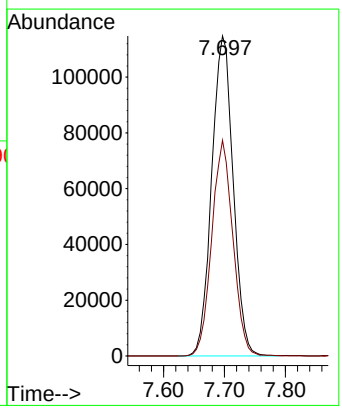


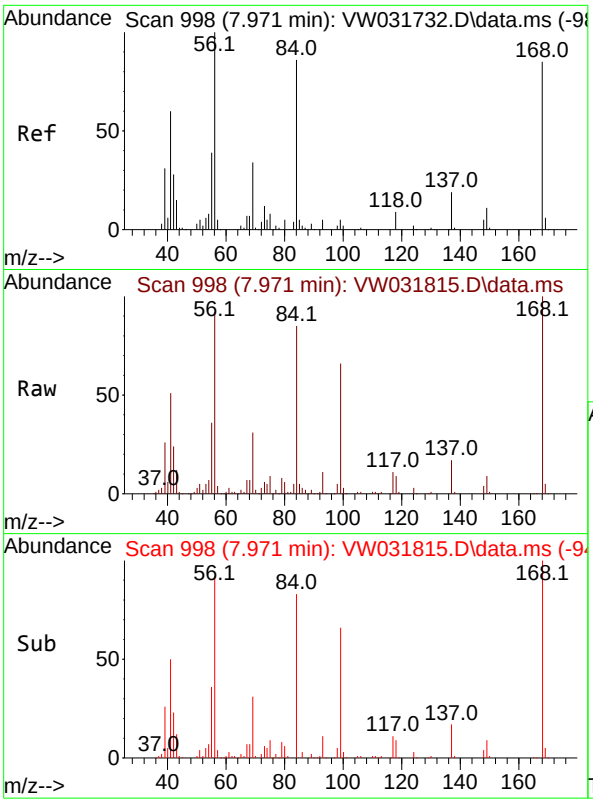


#30
Chloroform
Concen: 55.703 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 83 Resp: 280995

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.4	77.0



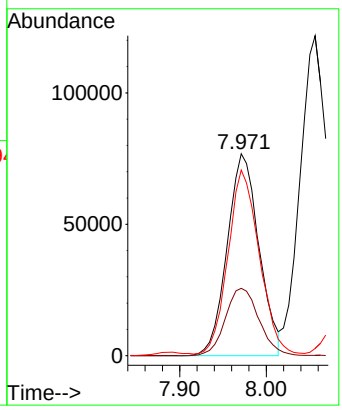


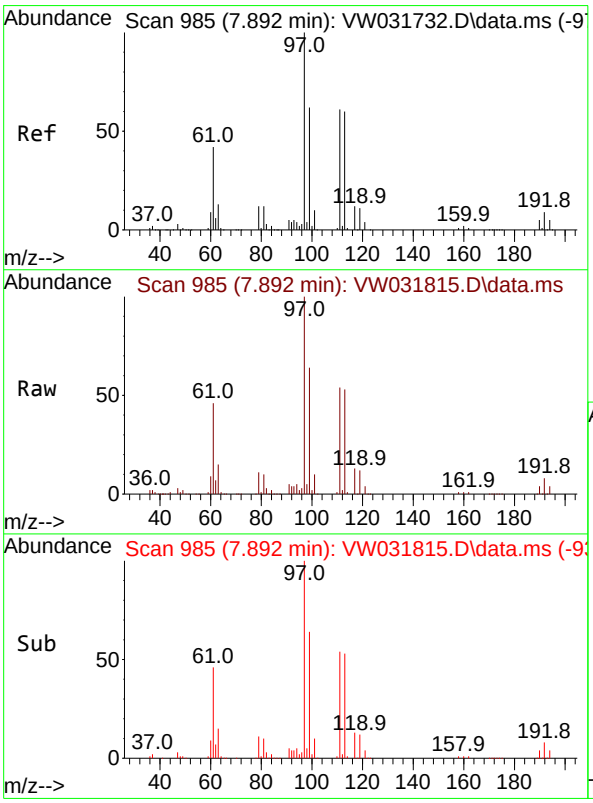
#31
Cyclohexane
Concen: 46.645 ug/l
RT: 7.971 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 195744

Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.2	40.8
84	90.5	68.5	102.7

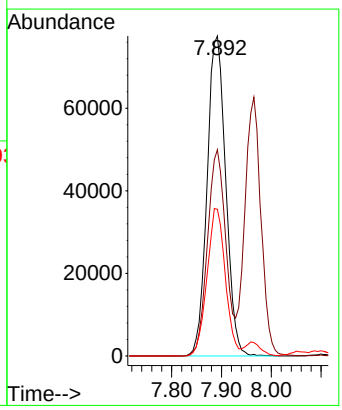


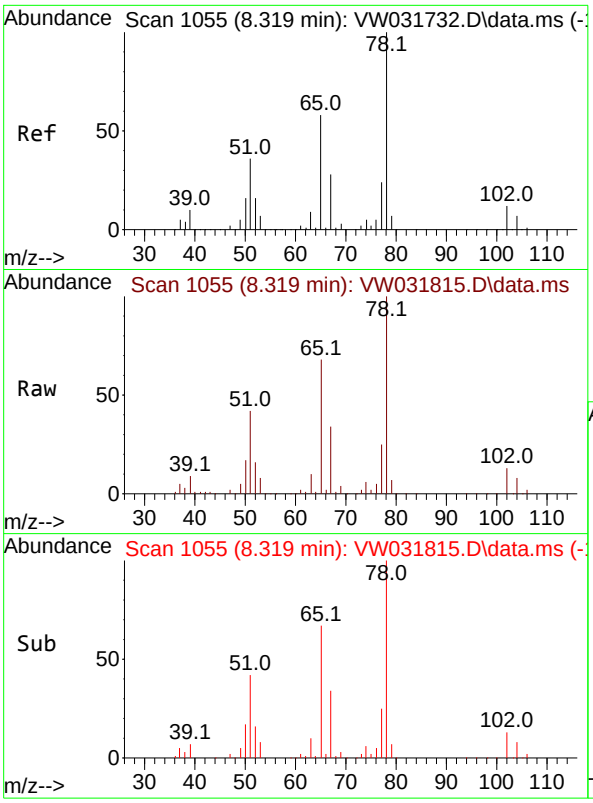


#32
1,1,1-Trichloroethane
Concen: 51.696 ug/l
RT: 7.892 min Scan# 985
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 97 Resp: 200972

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	45.5	36.0	54.0



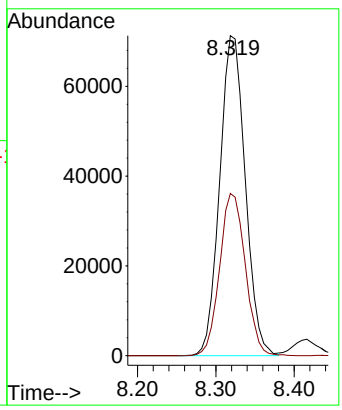


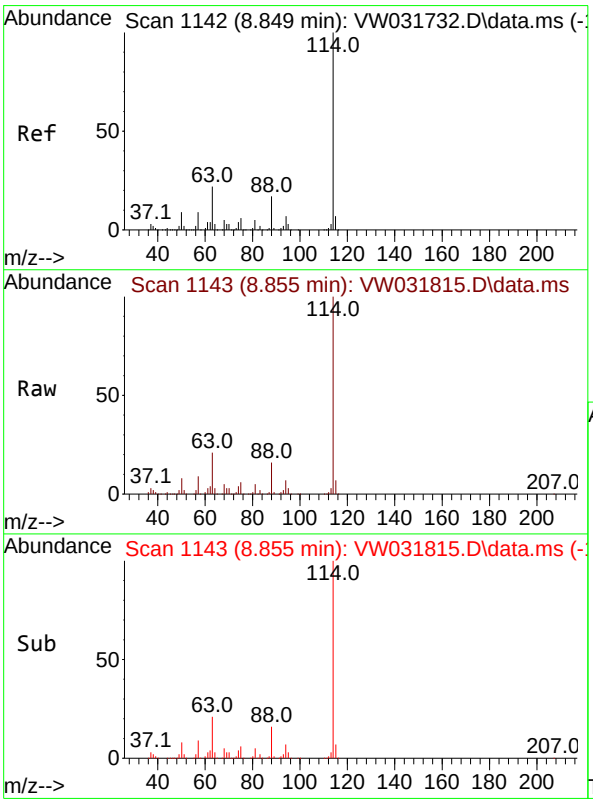
#33
1,2-Dichloroethane-d4
Concen: 54.835 ug/l
RT: 8.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 161614

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	99.4

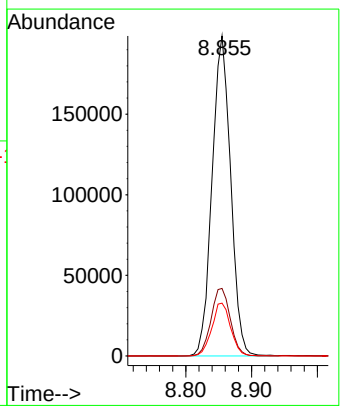


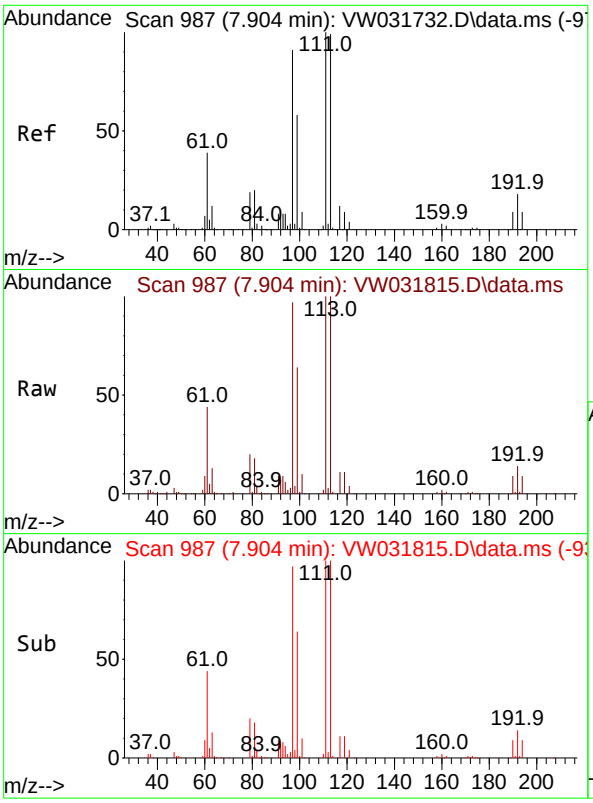


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:114 Resp: 390811

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.6
88	16.5	0.0	34.2



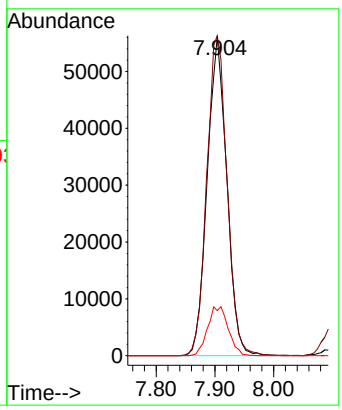


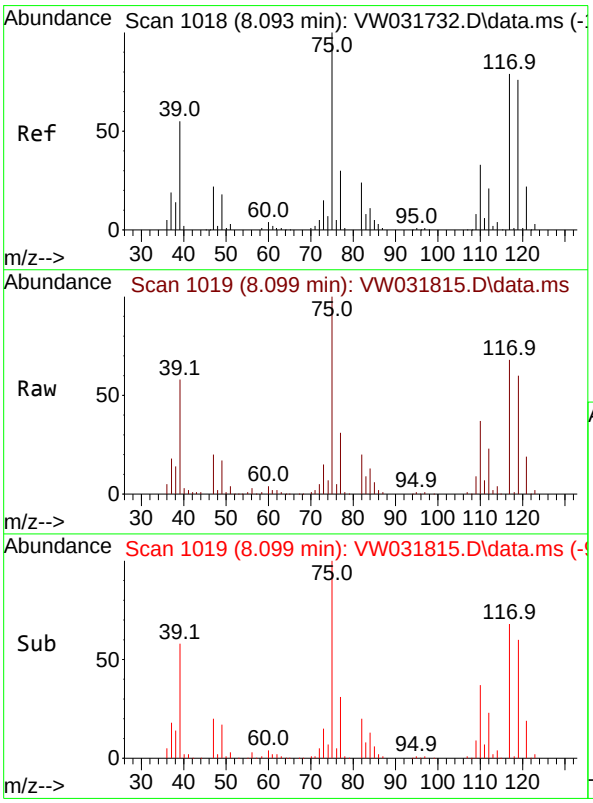
#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 129906

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.1	123.1
192	16.3	13.8	20.6

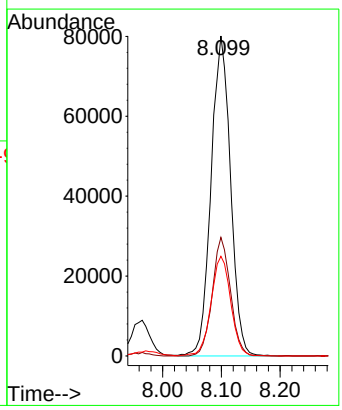


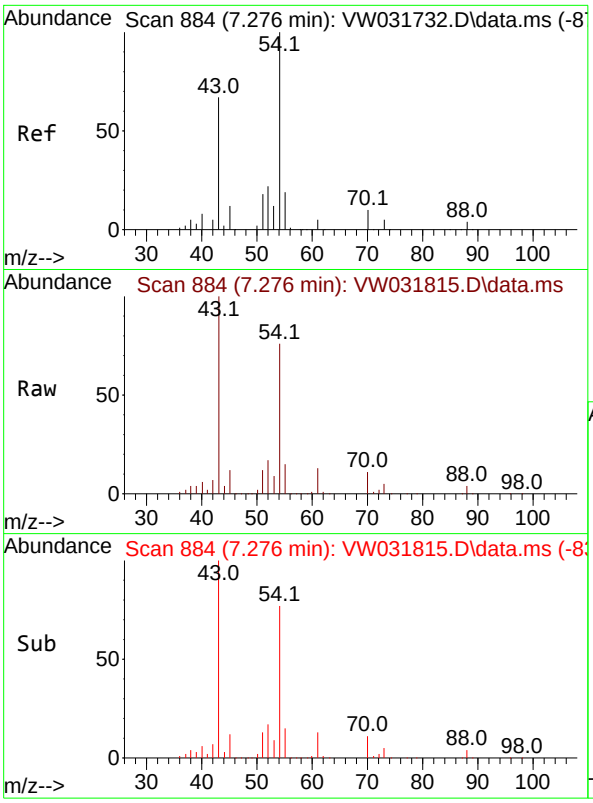


#36
1,1-Dichloropropene
Concen: 49.902 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 184153

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.8	50.4
77	31.5	25.0	37.6



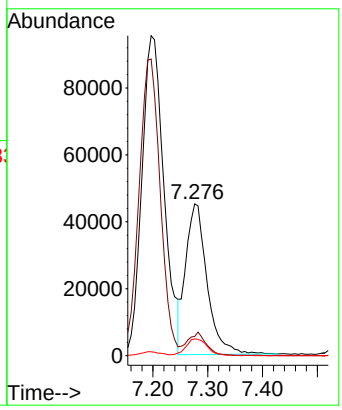


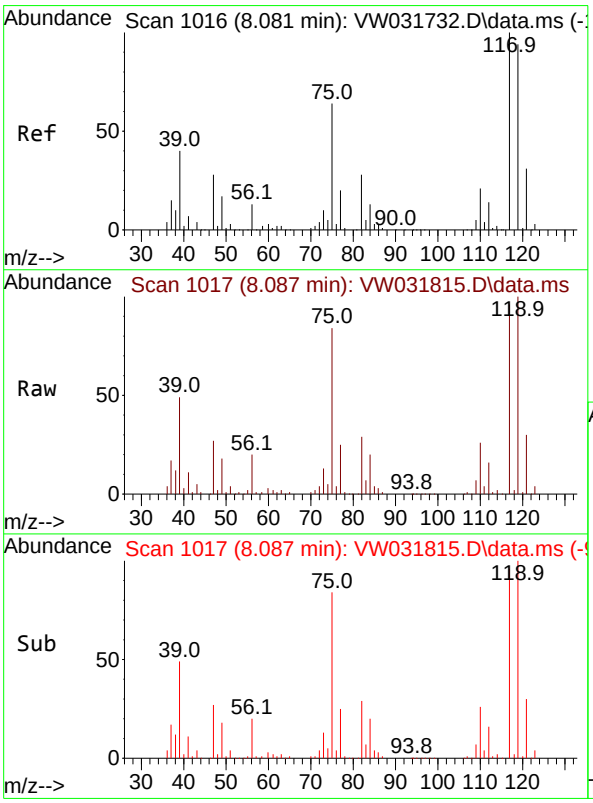
#37
Ethyl Acetate
Concen: 52.605 ug/l
RT: 7.276 min Scan# 8
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 122459

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.9	16.3
70	11.2	9.2	13.8

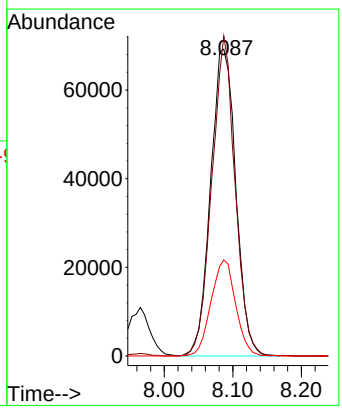


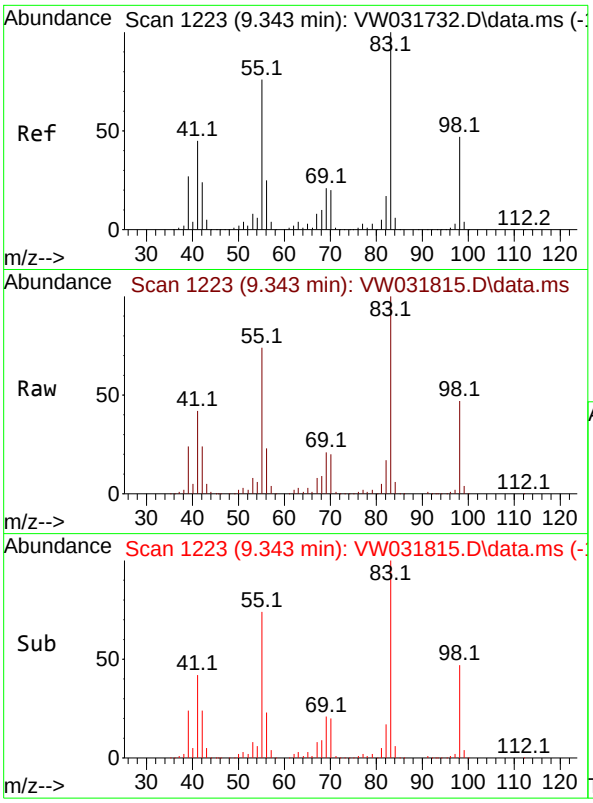


#38
Carbon Tetrachloride
Concen: 47.048 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:117 Resp: 176925

Ion	Ratio	Lower	Upper
117	100		
119	104.3	75.0	112.6
121	31.3	24.6	37.0



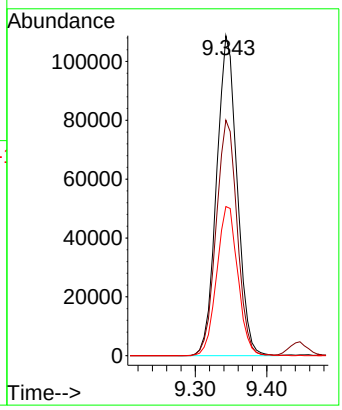


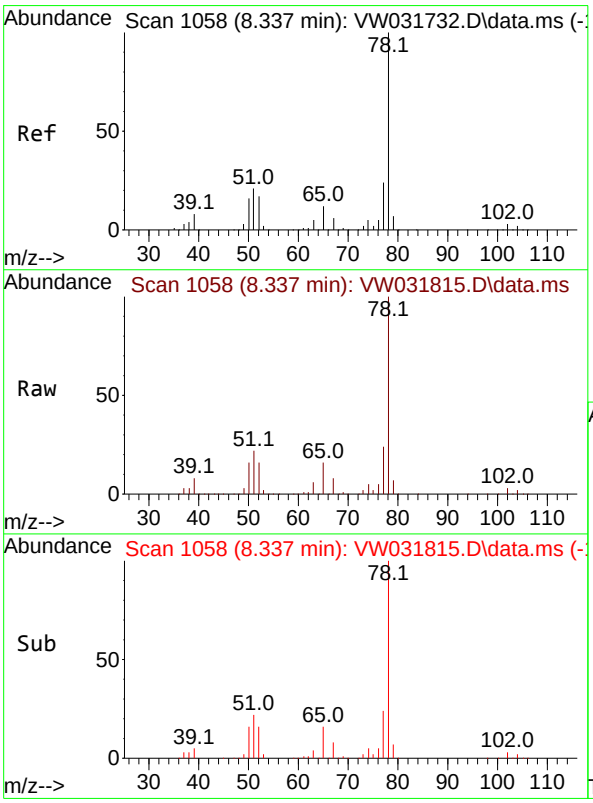
#39
Methylcyclohexane
Concen: 47.227 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 216833

Ion	Ratio	Lower	Upper
83	100		
55	73.6	61.0	91.4
98	46.6	37.9	56.9

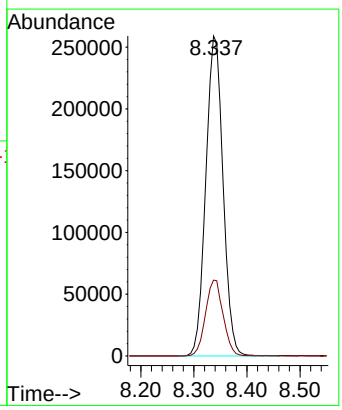


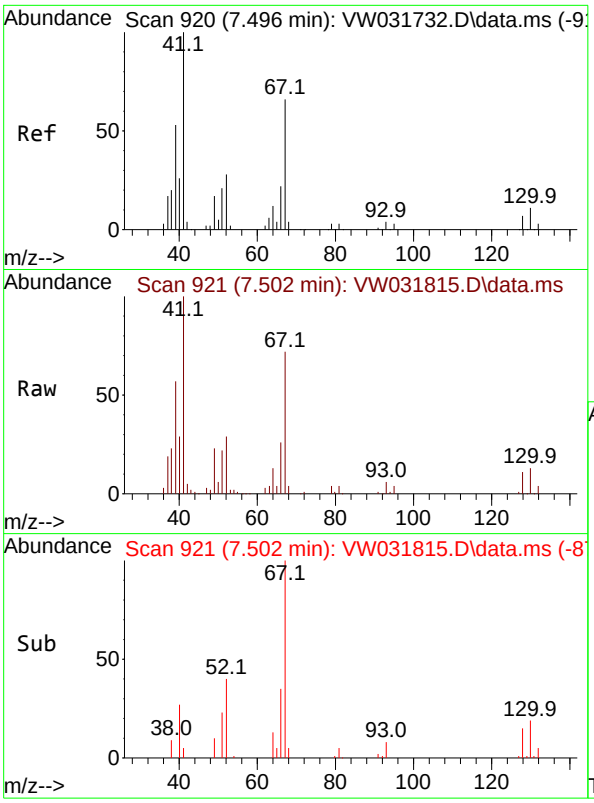


#40
Benzene
Concen: 53.549 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 78 Resp: 584651

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8



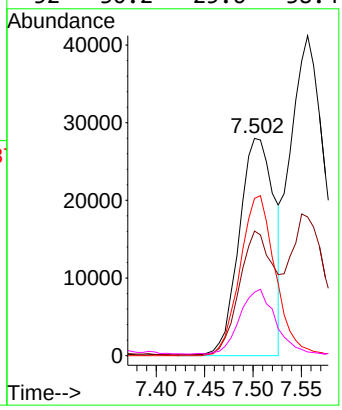


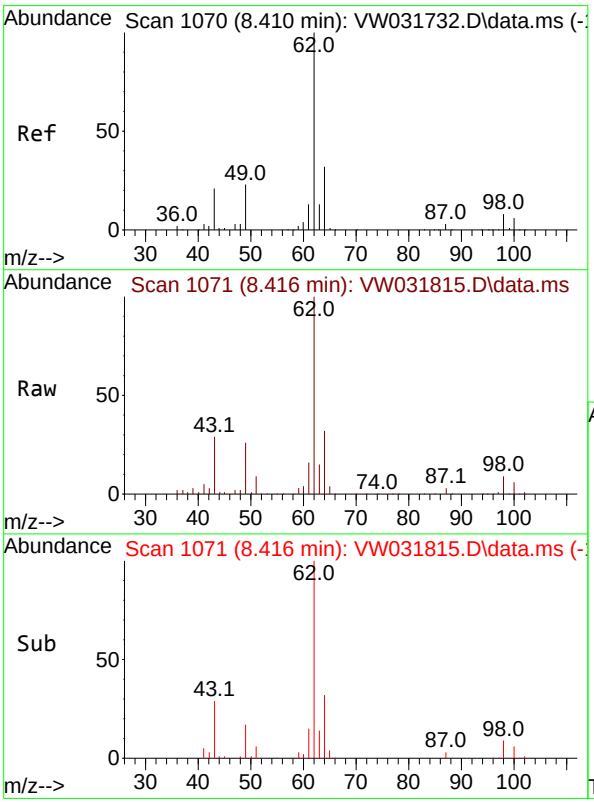
#41
Methacrylonitrile
Concen: 56.835 ug/l
RT: 7.502 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 70876

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.2	64.8
67	74.5	58.1	87.1
52	30.2	25.6	38.4

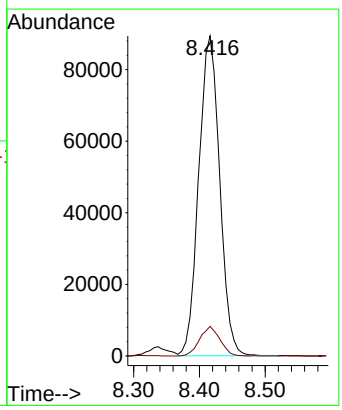


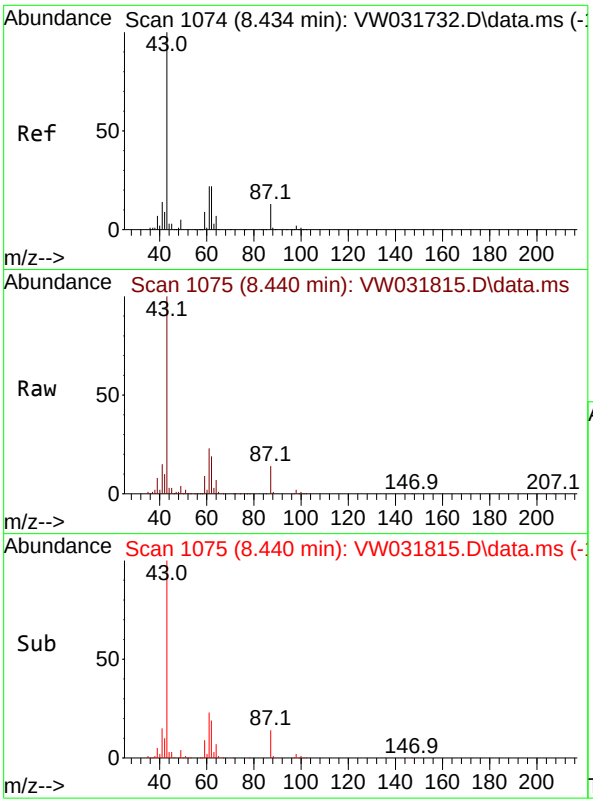


#42
1,2-Dichloroethane
Concen: 53.716 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 62 Resp: 198163

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



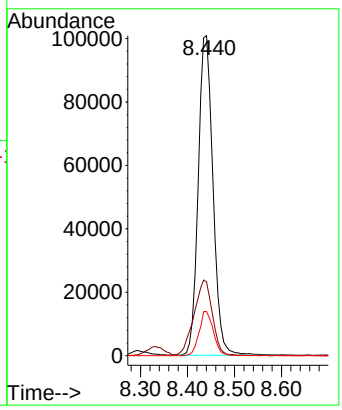


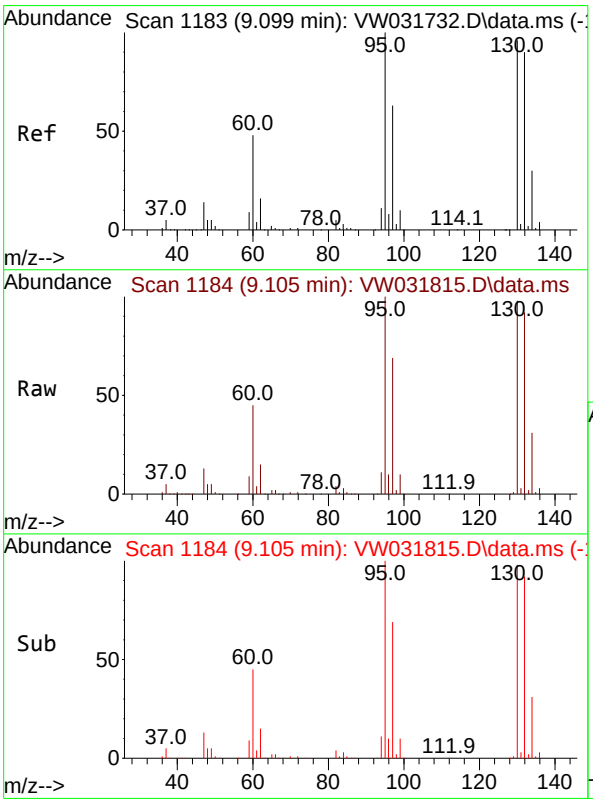
#43
Isopropyl Acetate
Concen: 54.802 ug/l
RT: 8.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 219909

Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.1	34.7
87	13.4	10.8	16.2

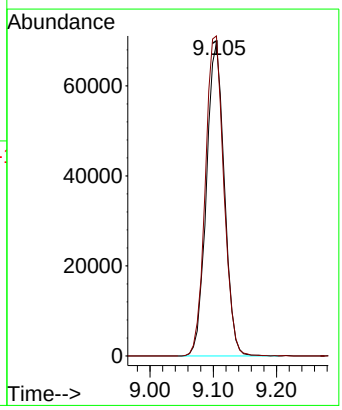


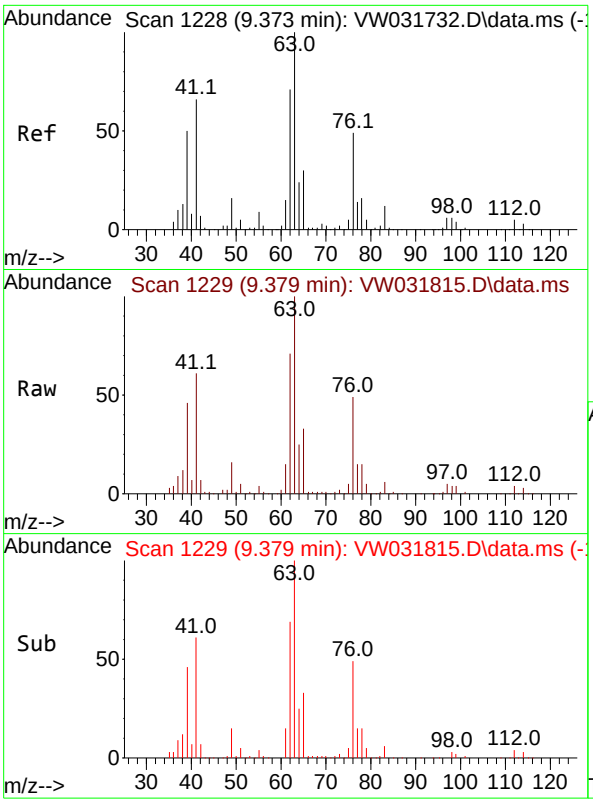


#44
Trichloroethene
Concen: 50.321 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:130 Resp: 137128

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	208.6



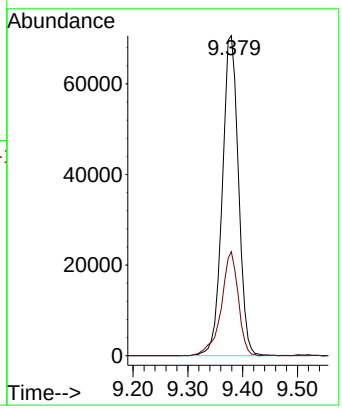


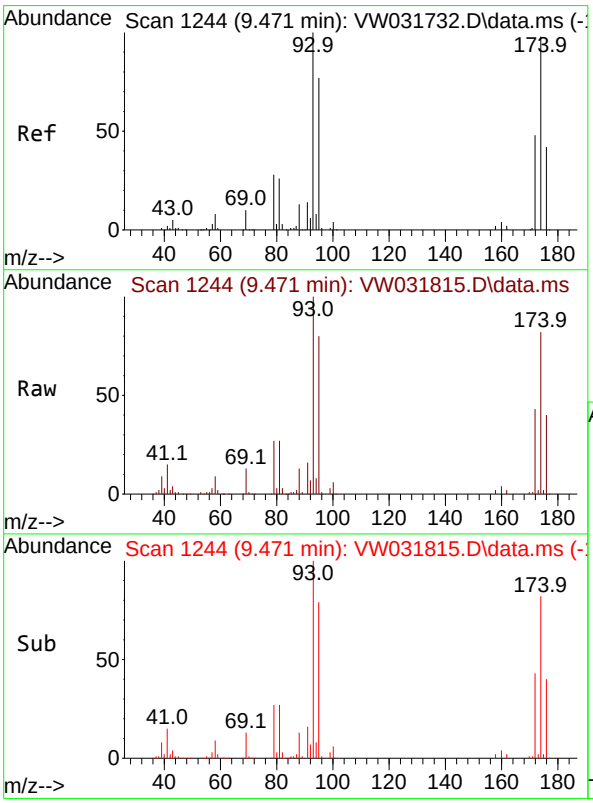
#45
1,2-Dichloropropane
Concen: 54.947 ug/l
RT: 9.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 144992

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.2	36.4

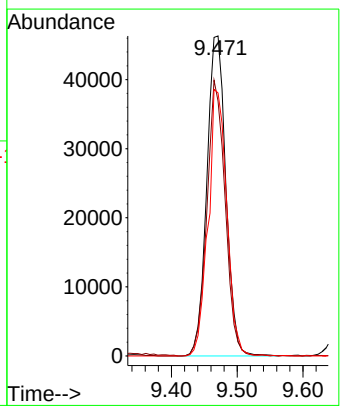


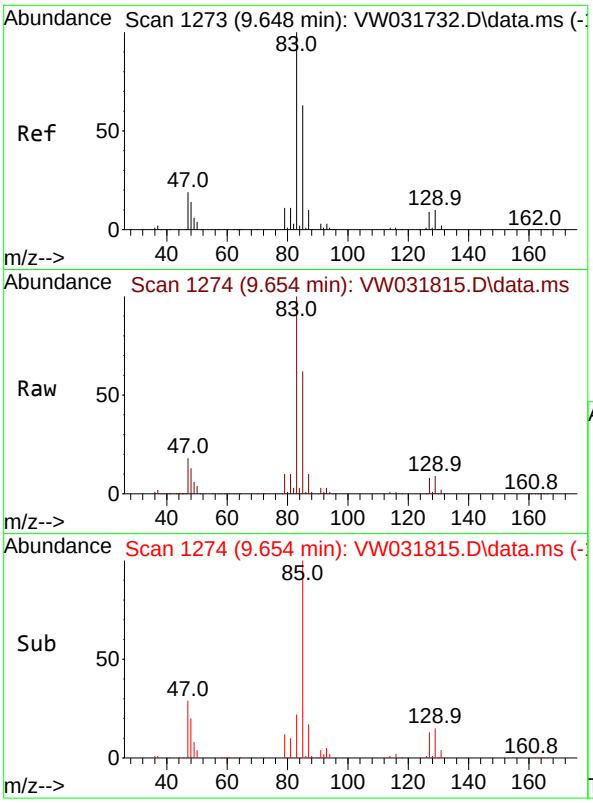


#46
Dibromomethane
Concen: 54.735 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 93 Resp: 93246

Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.0	100.4
174	81.5	71.7	107.5



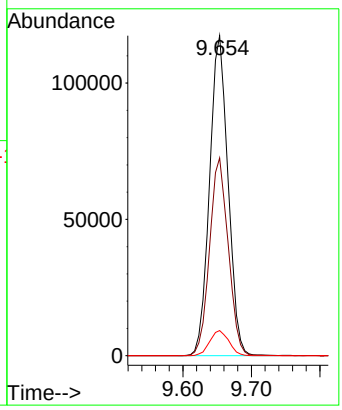


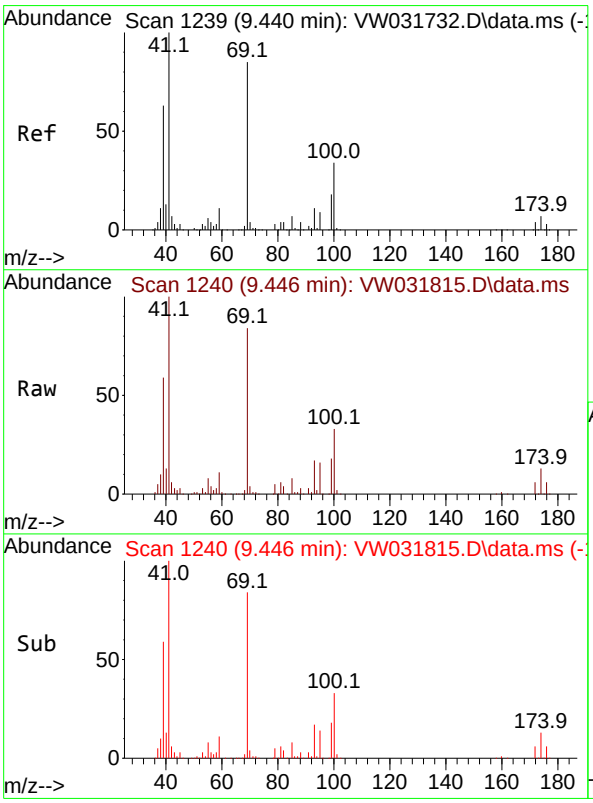
#47
Bromodichloromethane
Concen: 55.033 ug/l
RT: 9.654 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 219851

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.8	76.2
127	7.9	6.8	10.2

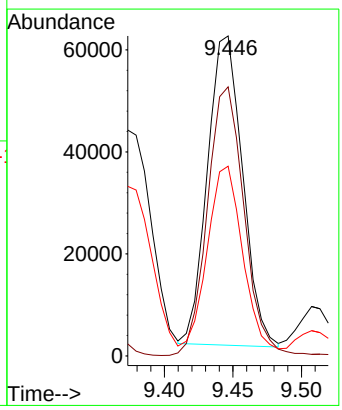


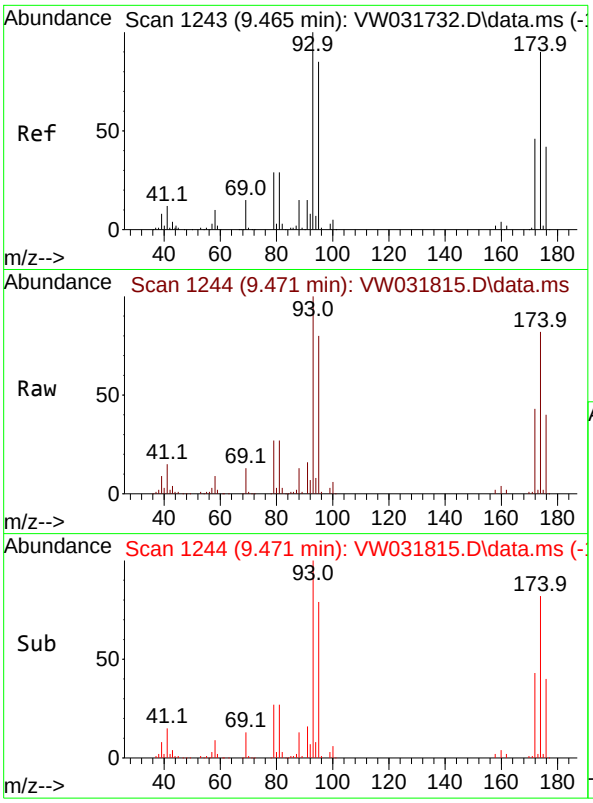


#48
Methyl methacrylate
Concen: 54.800 ug/l
RT: 9.446 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 41 Resp: 108127

Ion	Ratio	Lower	Upper
41	100		
69	91.5	71.6	107.4
39	63.2	49.5	74.3



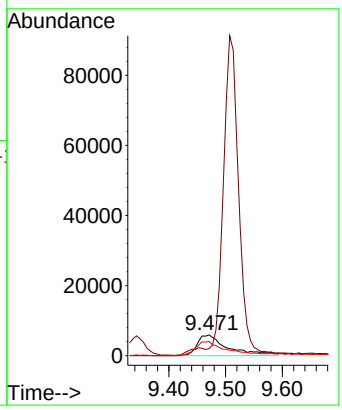


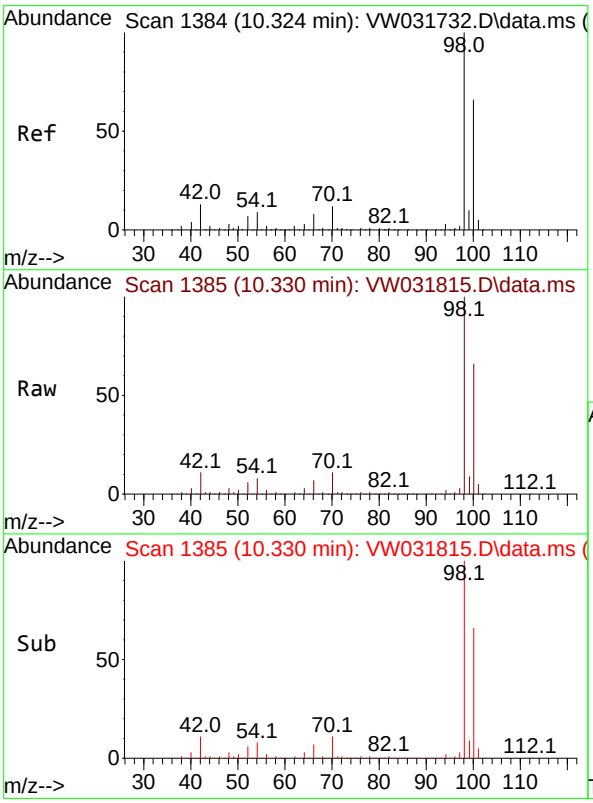
#49
1,4-Dioxane
Concen: 1117.198 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 22291

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.3	58.3	87.5

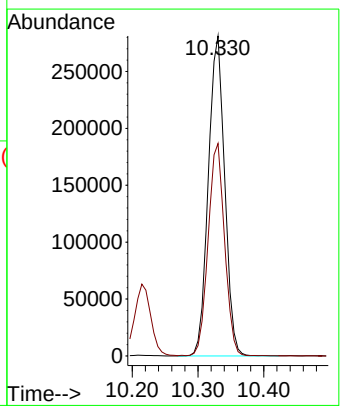


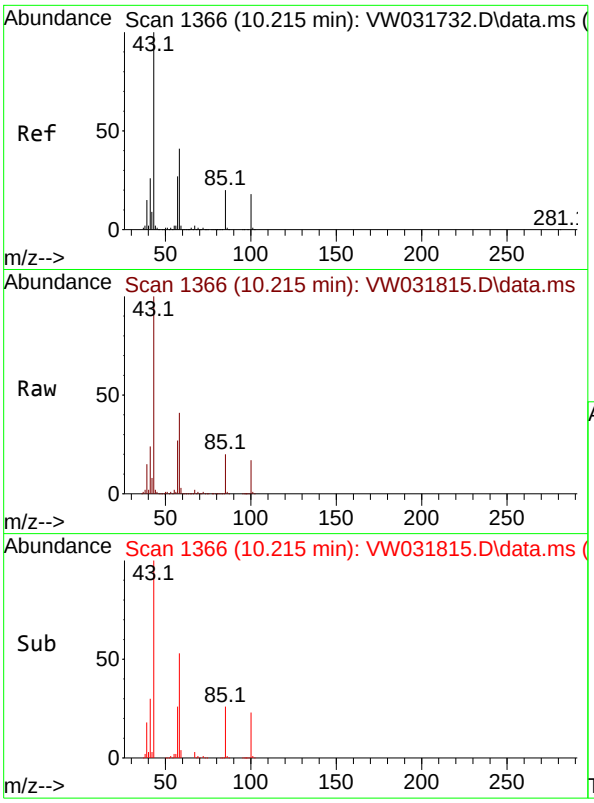


#50
Toluene-d8
Concen: 51.356 ug/l
RT: 10.330 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 98 Resp: 487382

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



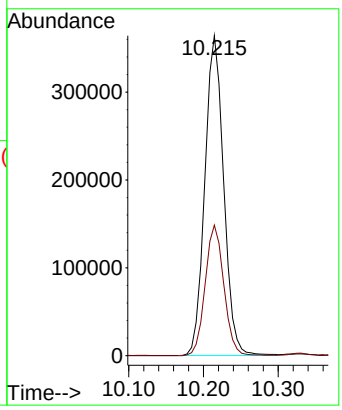


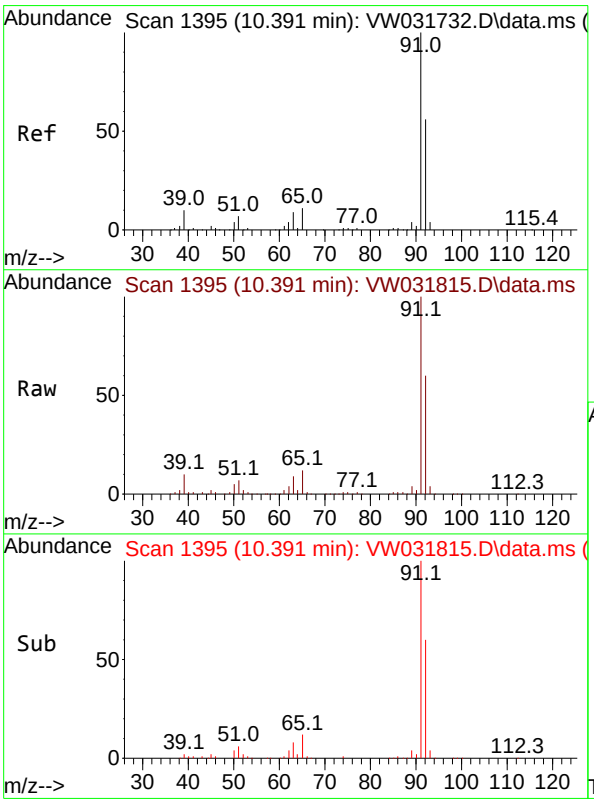
#51
4-Methyl-2-Pentanone
Concen: 276.816 ug/l
RT: 10.215 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 638615

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.2

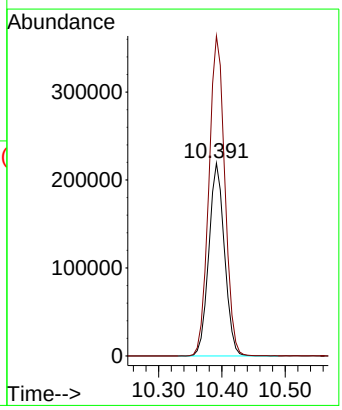


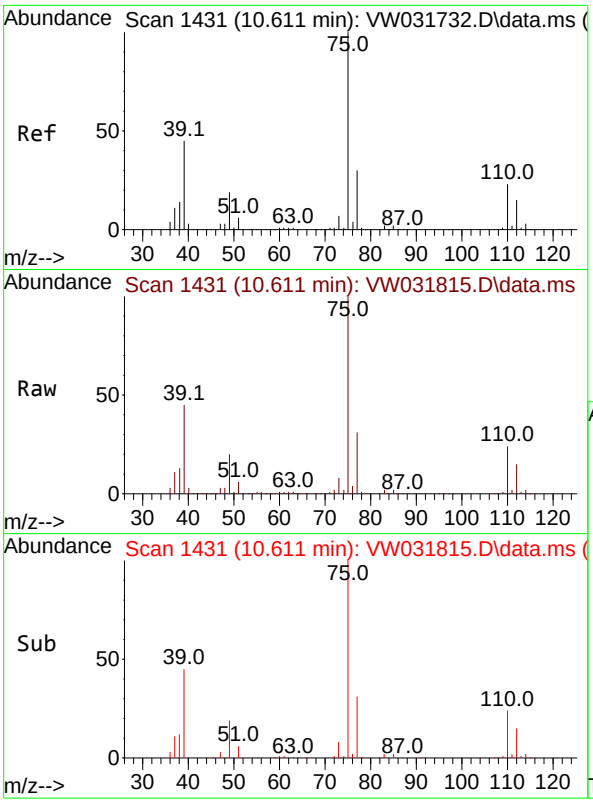


#52
Toluene
Concen: 53.854 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 92 Resp: 376463

Ion	Ratio	Lower	Upper
92	100		
91	169.5	139.5	209.3



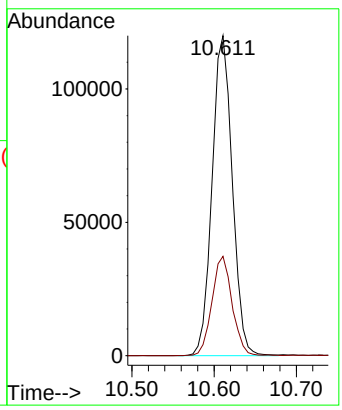


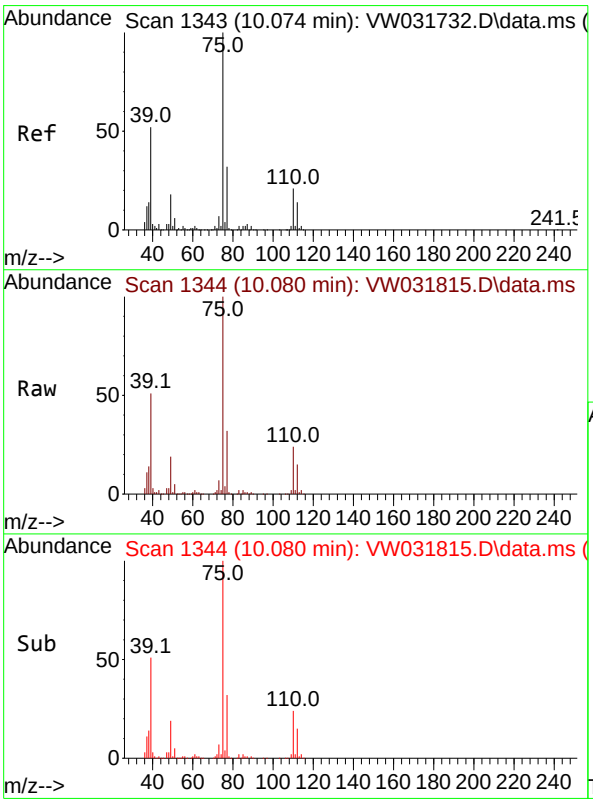
#53
t-1,3-Dichloropropene
Concen: 54.640 ug/l
RT: 10.611 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 204801

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5

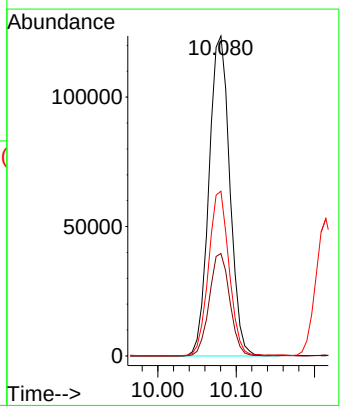


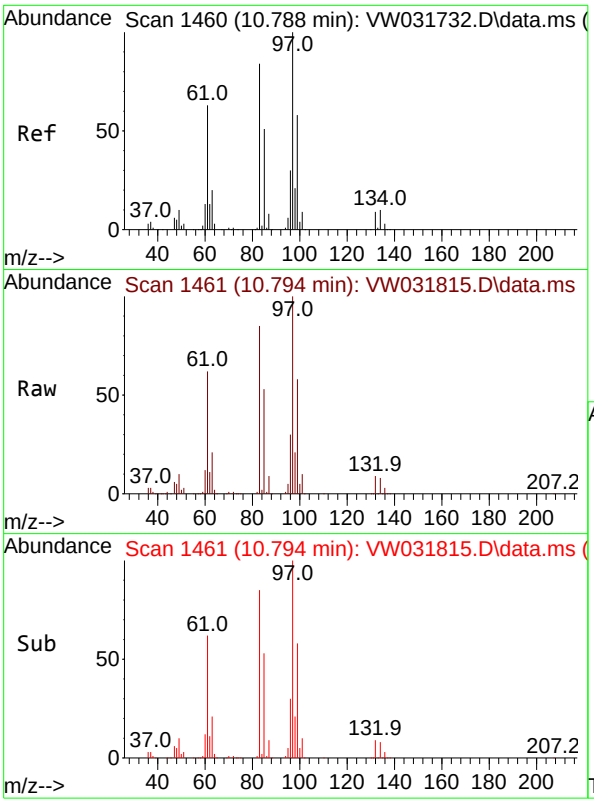


#54
cis-1,3-Dichloropropene
Concen: 53.676 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 228077

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	51.4	41.8	62.6



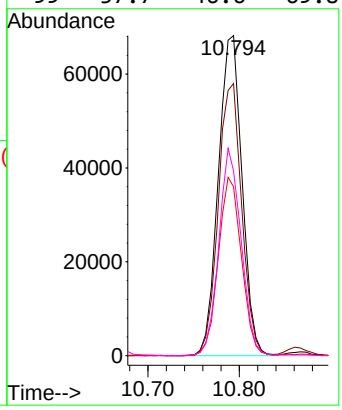


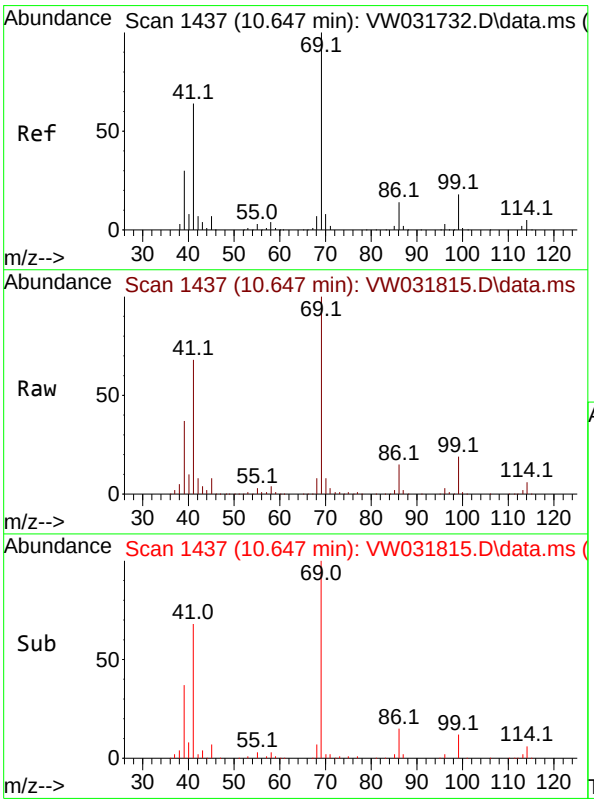
#55
1,1,2-Trichloroethane
Concen: 55.107 ug/l
RT: 10.794 min Scan# 14
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 122974

Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.9	100.3
85	52.8	41.1	61.7
99	57.7	46.6	69.8

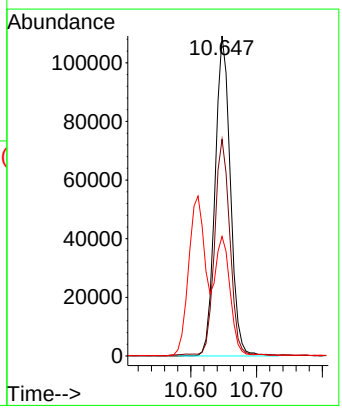


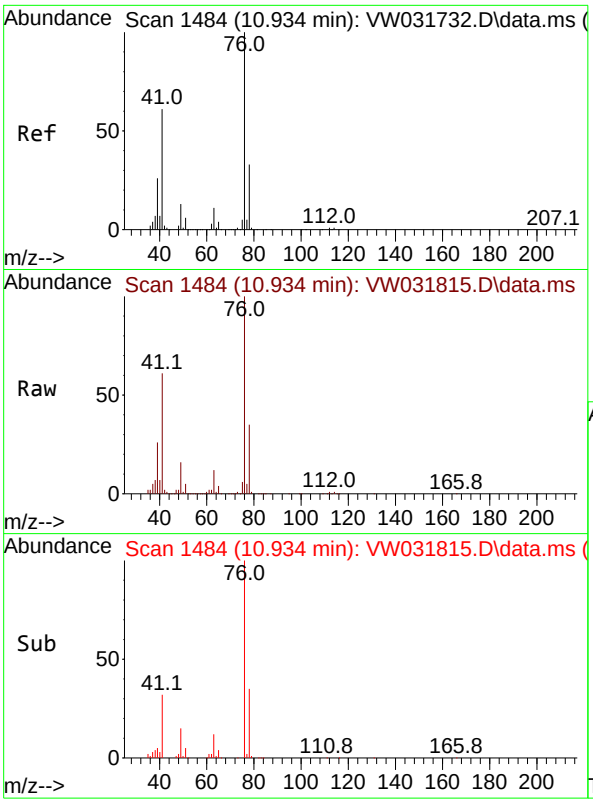


#56
Ethyl methacrylate
Concen: 58.286 ug/l
RT: 10.647 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 69 Resp: 176460

Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.3	79.9
39	36.1	30.2	45.2



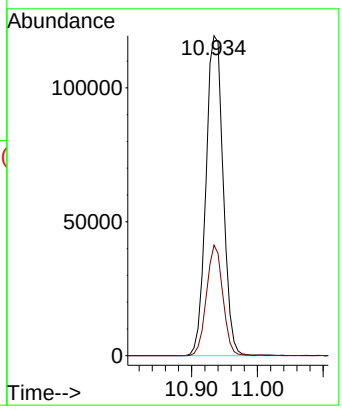


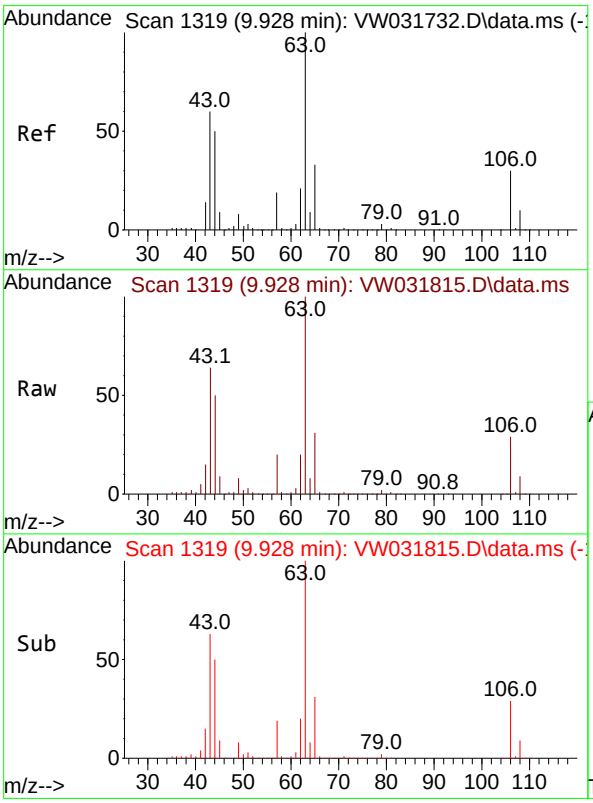
#57
1,3-Dichloropropane
Concen: 55.515 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 217505

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

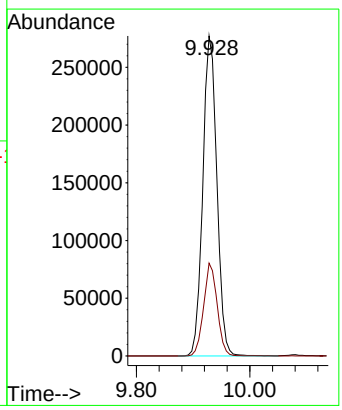


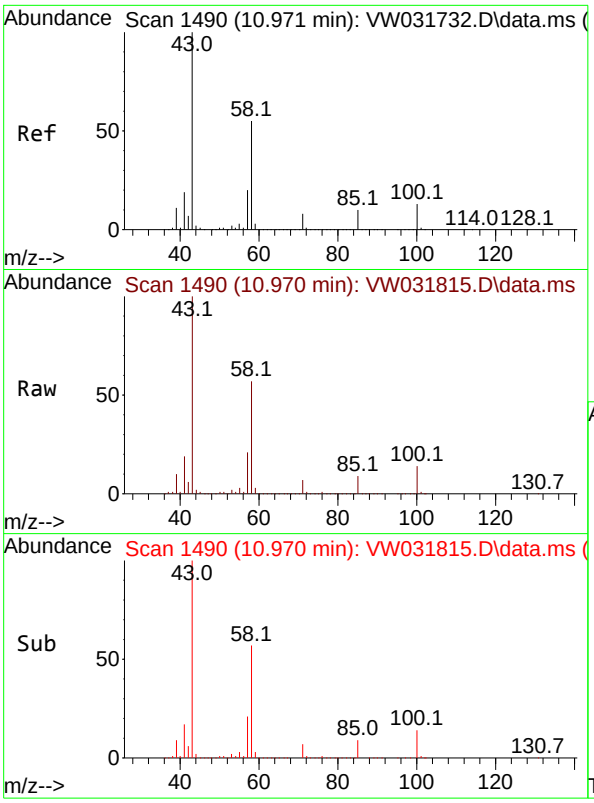


#58
2-Chloroethyl Vinyl ether
Concen: 286.397 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 63 Resp: 477447

Ion	Ratio	Lower	Upper
63	100		
106	27.9	24.1	36.1



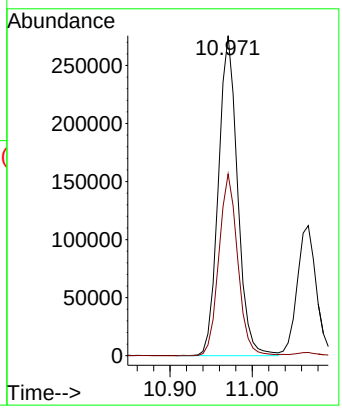


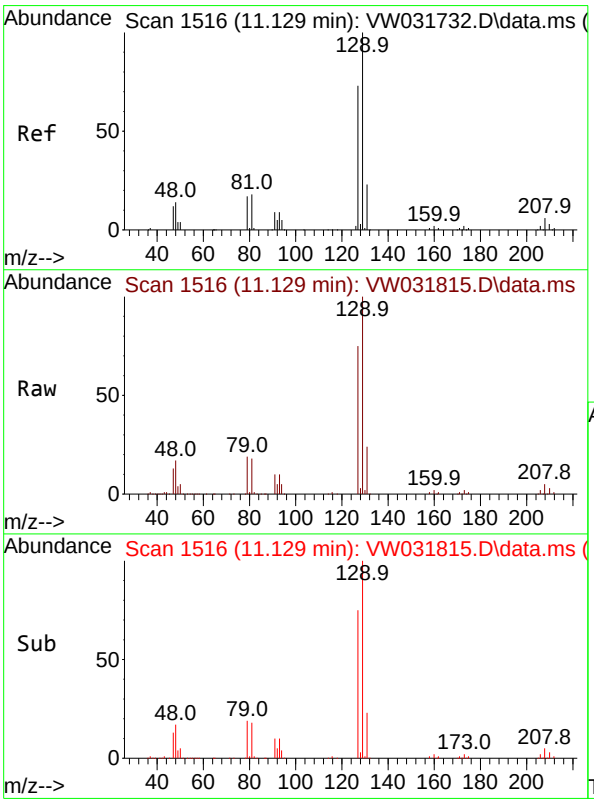
#59
2-Hexanone
Concen: 285.791 ug/l
RT: 10.970 min Scan# 14
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 446782

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.9	83.6

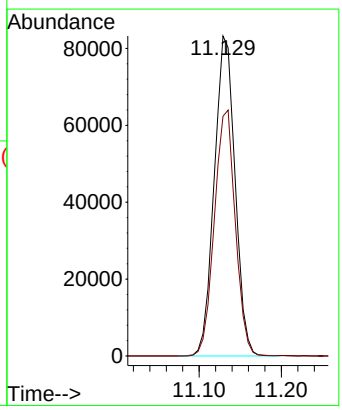


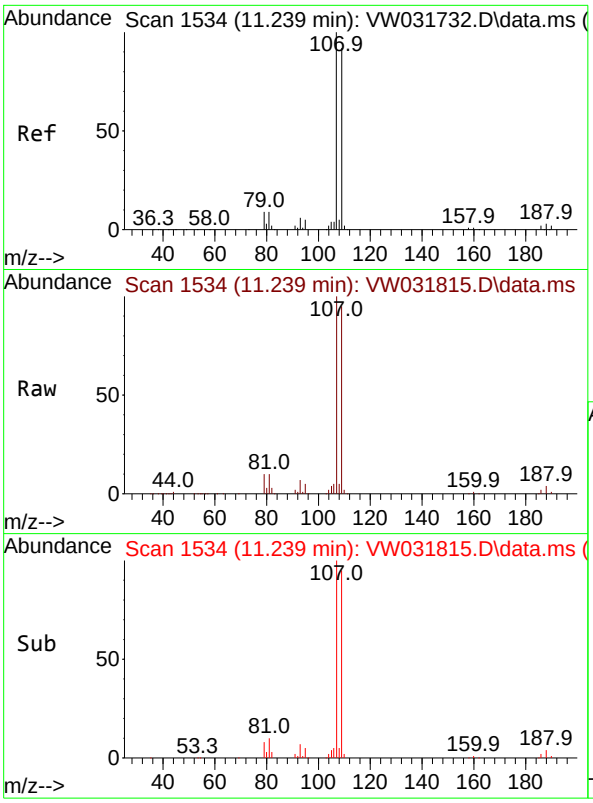


#60
Dibromochloromethane
Concen: 54.848 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:129 Resp: 146364

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.0	114.1



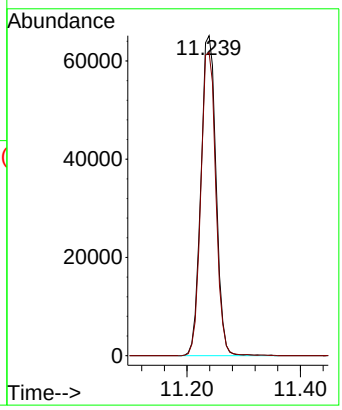


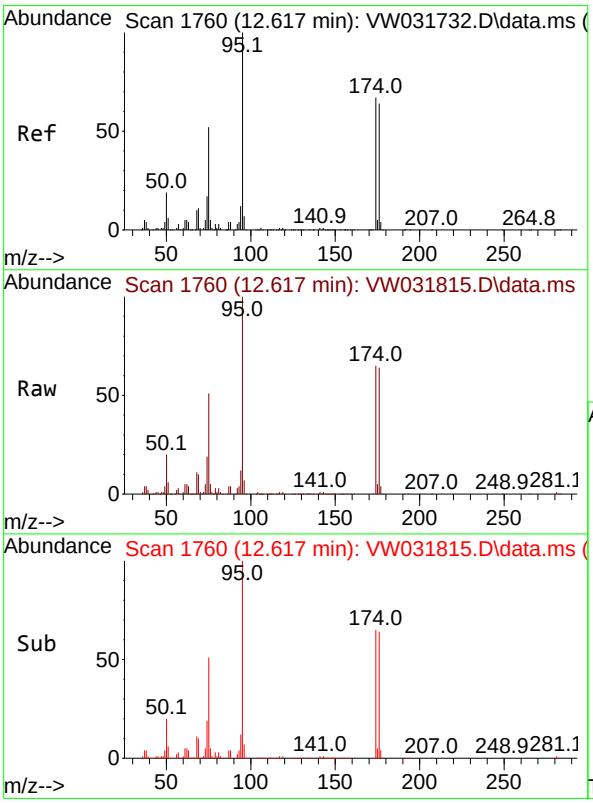
#61
1,2-Dibromoethane
Concen: 54.067 ug/l
RT: 11.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 120786

Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.9	110.9

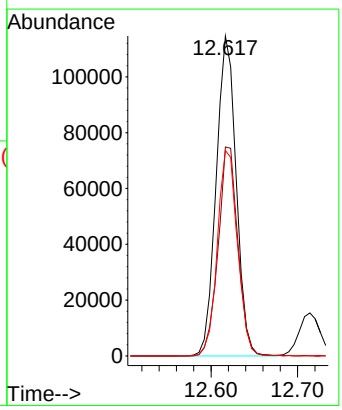


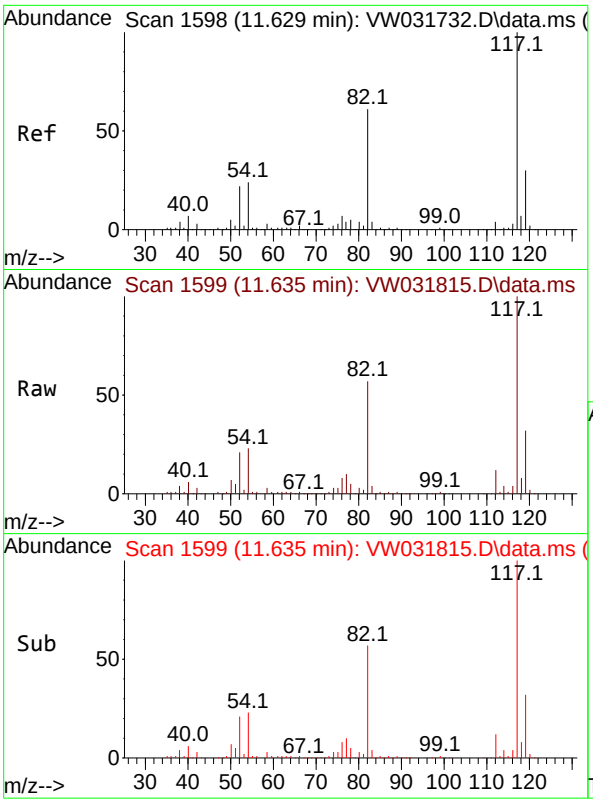


#62
4-Bromofluorobenzene
Concen: 52.661 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 95 Resp: 183915

Ion	Ratio	Lower	Upper
95	100		
174	64.7	0.0	133.8
176	64.6	0.0	126.0



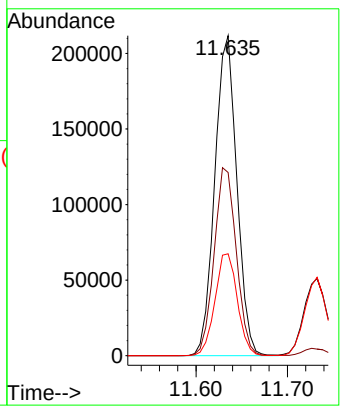


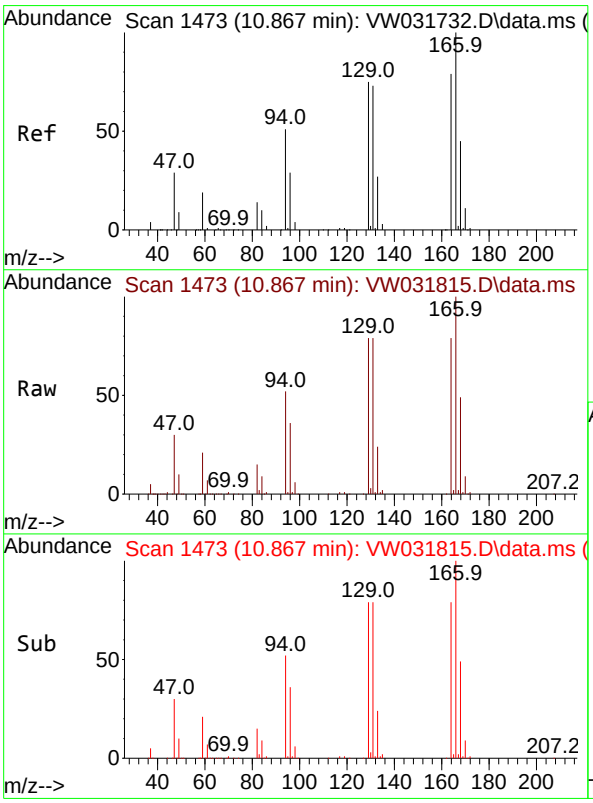
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 355014

Ion	Ratio	Lower	Upper
117	100		
82	57.3	48.6	72.8
119	31.8	23.9	35.9

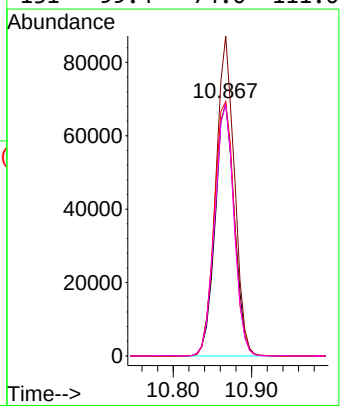


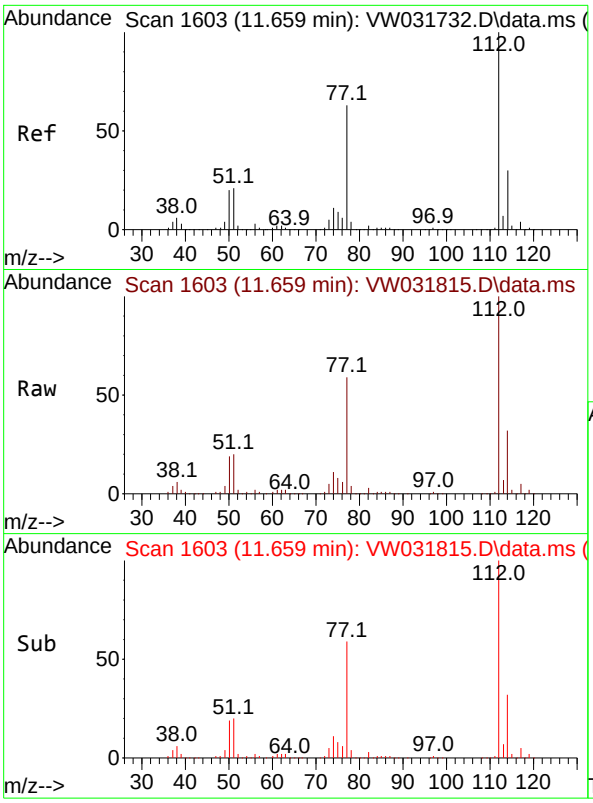


#64
Tetrachloroethene
Concen: 50.583 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:164 Resp: 117464

Ion	Ratio	Lower	Upper
164	100		
166	126.7	100.7	151.1
129	100.6	75.4	113.0
131	99.4	74.0	111.0



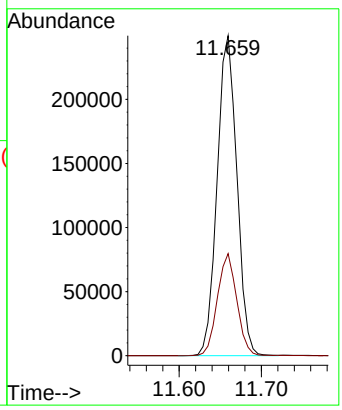


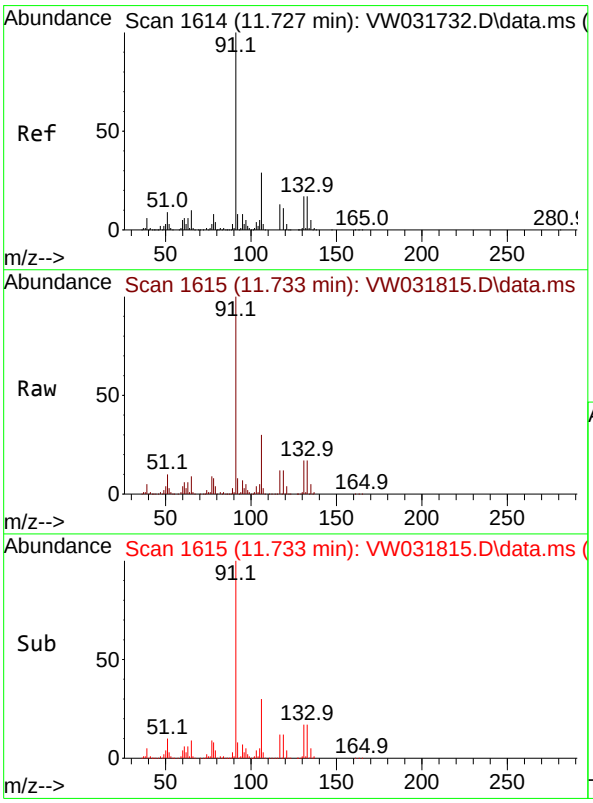
#65
Chlorobenzene
Concen: 53.308 ug/l
RT: 11.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 417550

Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.8	35.8

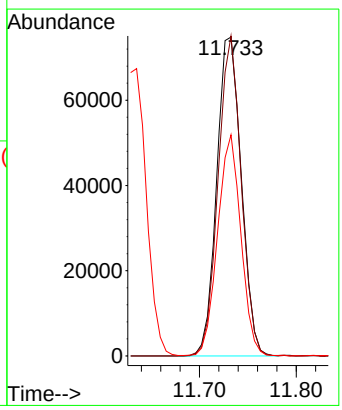


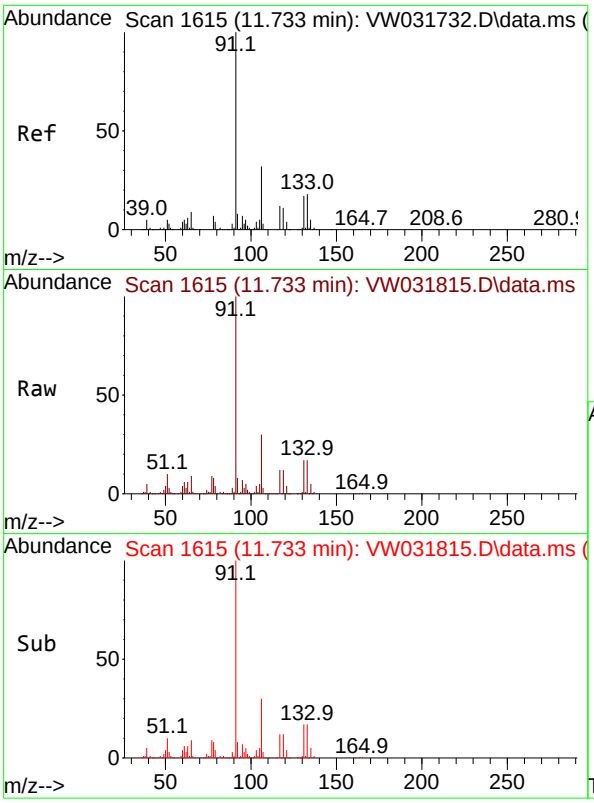


#66
1,1,1,2-Tetrachloroethane
Concen: 52.782 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:131 Resp: 131747

Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.5	145.6
119	65.8	32.5	97.5



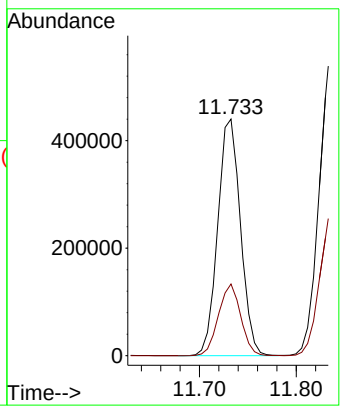


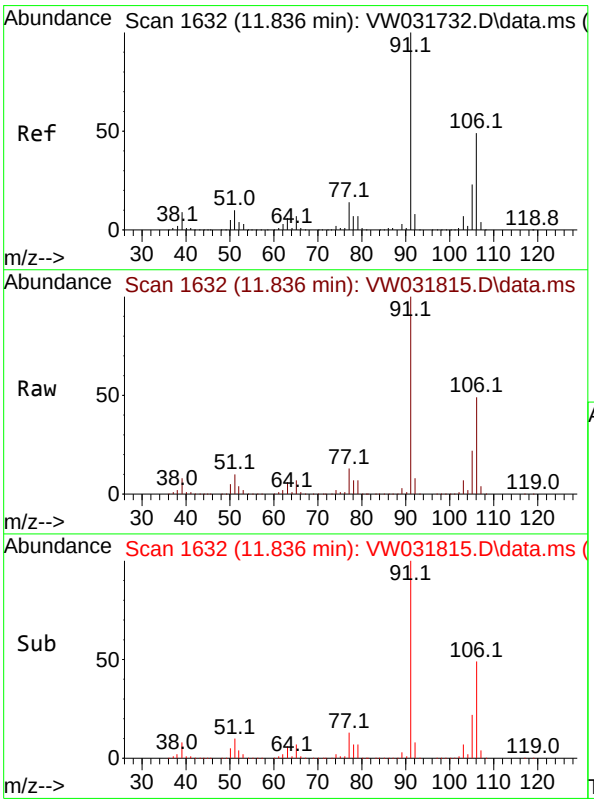
#67
Ethyl Benzene
Concen: 52.823 ug/l
RT: 11.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 717465

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.4	38.2

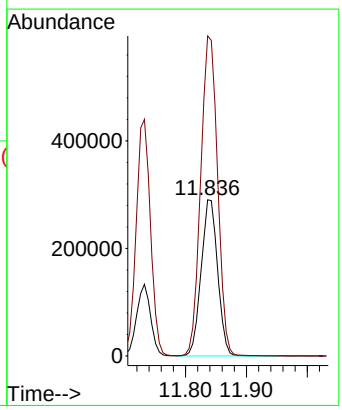


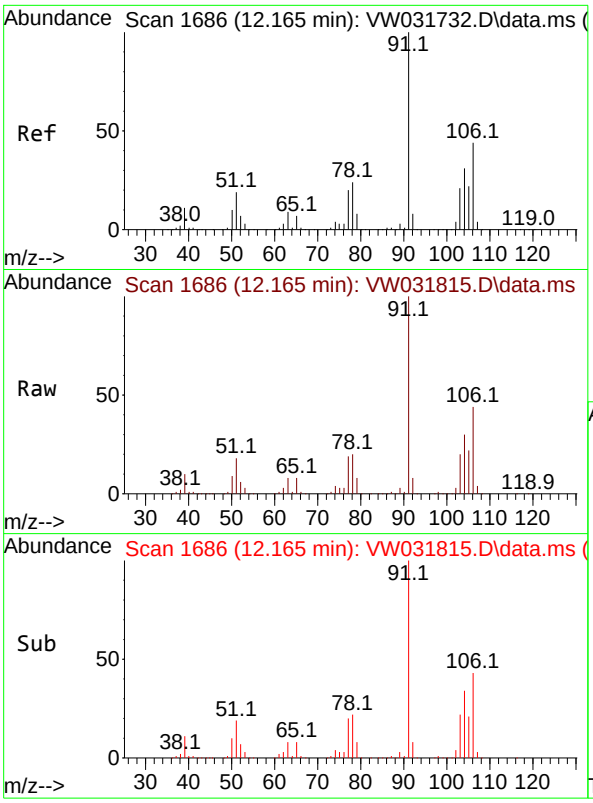


#68
m/p-Xylenes
Concen: 104.409 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:106 Resp: 545152

Ion	Ratio	Lower	Upper
106	100		
91	210.5	166.4	249.6



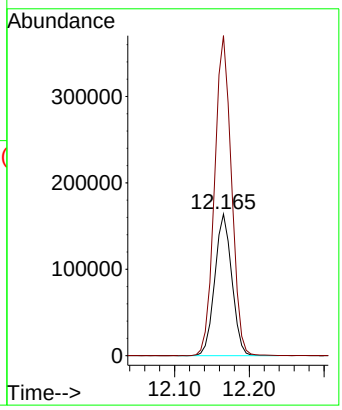


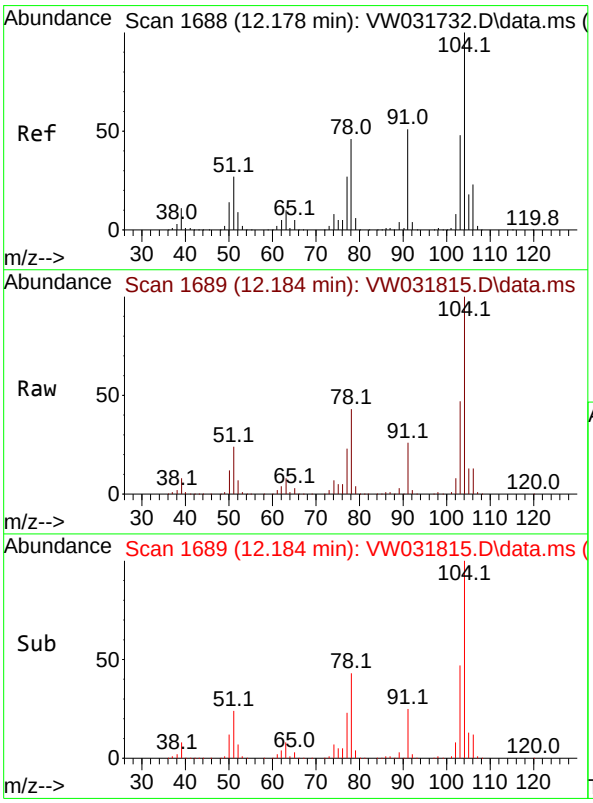
#69
o-Xylene
Concen: 53.623 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 259232

Ion	Ratio	Lower	Upper
106	100		
91	224.1	111.5	334.4

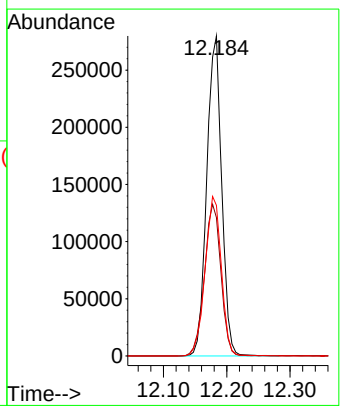


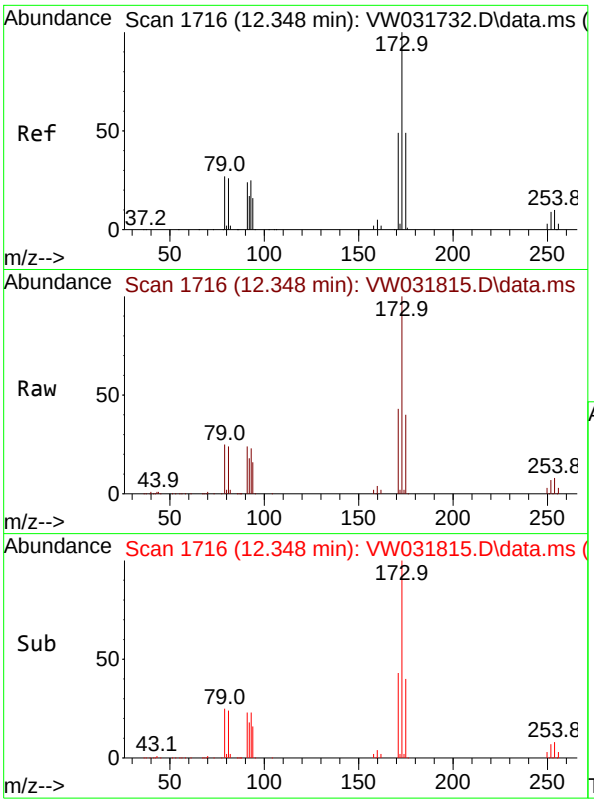


#70
Styrene
Concen: 54.936 ug/l
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:104 Resp: 459126

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.1	63.1
103	54.3	43.0	64.6



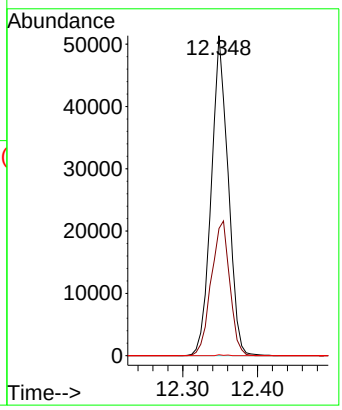


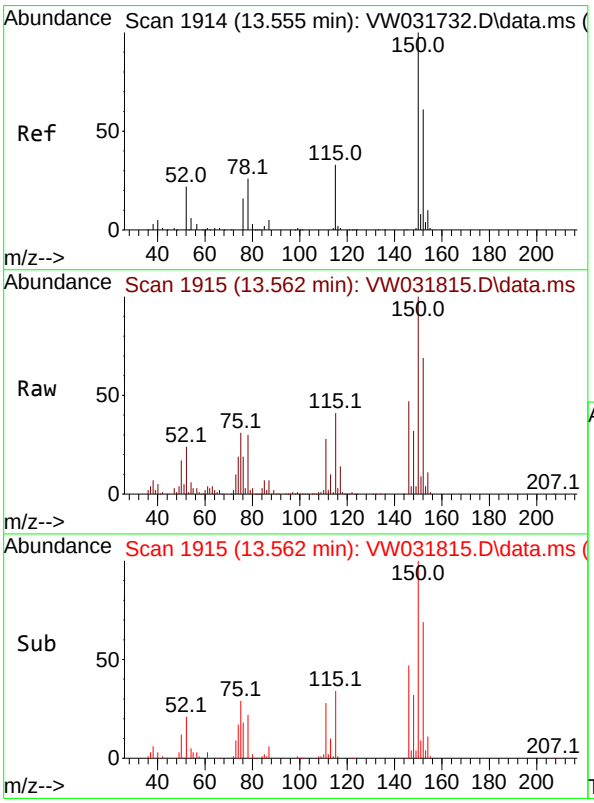
#71
Bromoform
Concen: 54.184 ug/l
RT: 12.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 80682

Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.0	72.0
254	0.1	0.1	0.1#

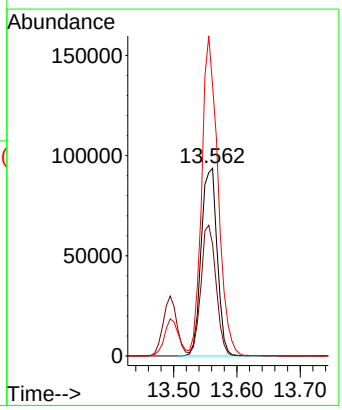


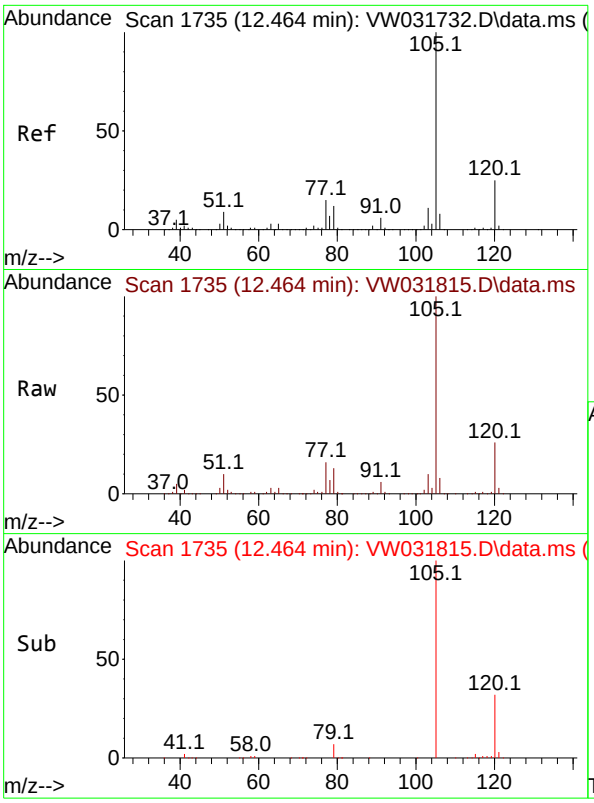


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:152 Resp: 165102

Ion	Ratio	Lower	Upper
152	100		
115	65.7	31.9	95.7
150	172.6	0.0	356.4



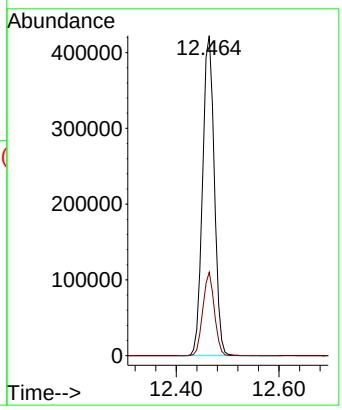


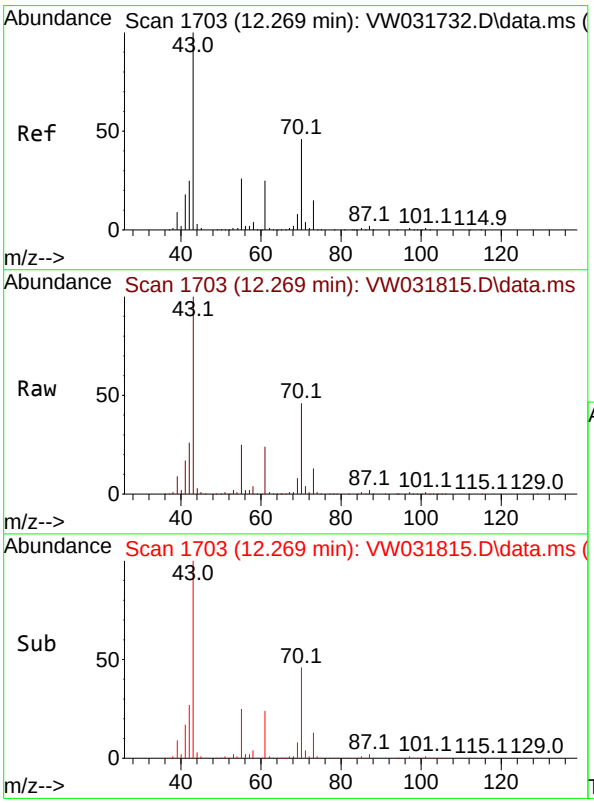
#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 669362

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

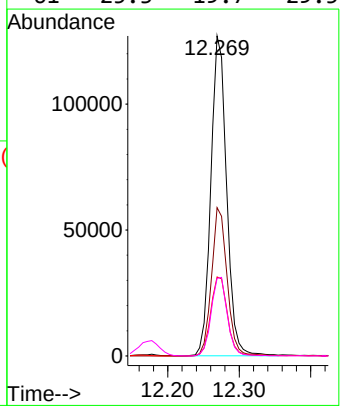


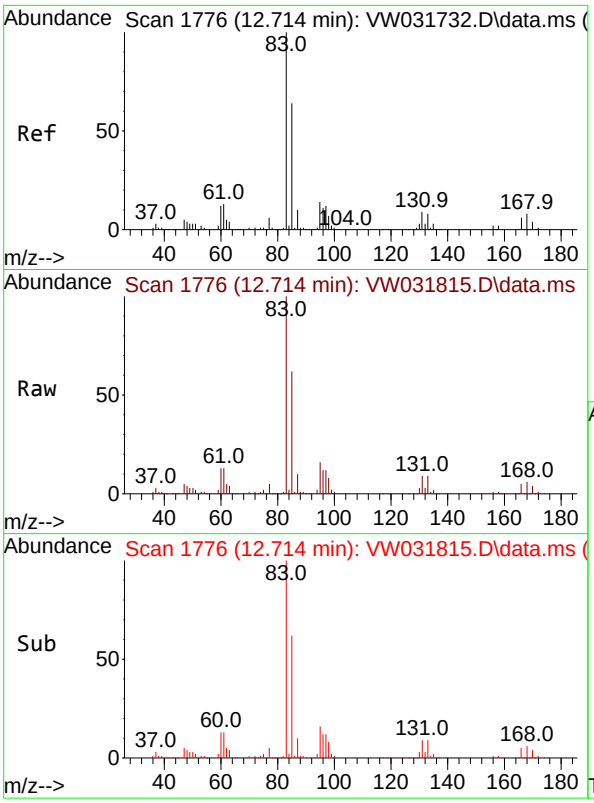


#74
N-amyl acetate
Concen: 57.323 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 43 Resp: 194037

Ion	Ratio	Lower	Upper
43	100		
70	46.0	36.0	54.0
55	26.5	20.8	31.2
61	25.3	19.7	29.5



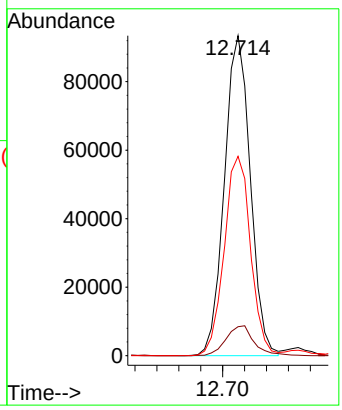


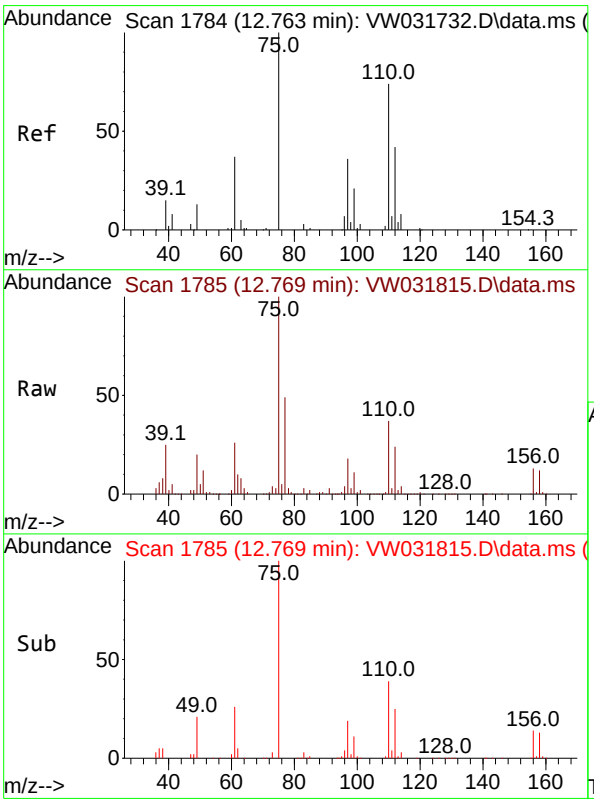
#75
1,1,2,2-Tetrachloroethane
Concen: 55.042 ug/l
RT: 12.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 153463

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	63.4	32.0	96.2

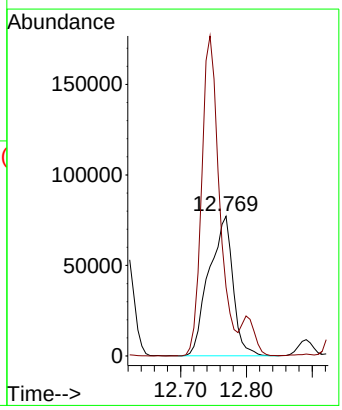


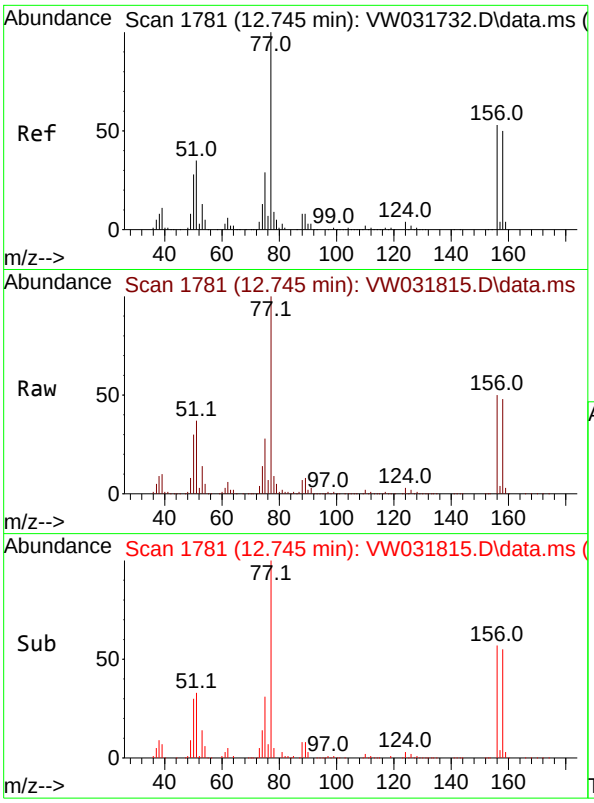


#76
1,2,3-Trichloropropane
Concen: 91.782 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 195824

Ion	Ratio	Lower	Upper
75	100		
77	0.0	141.2	423.6#



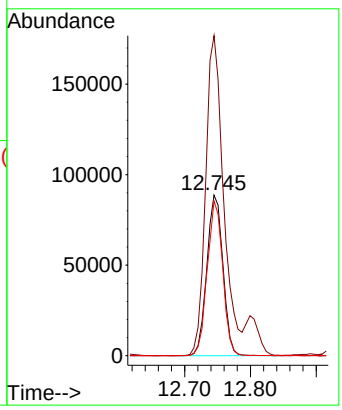


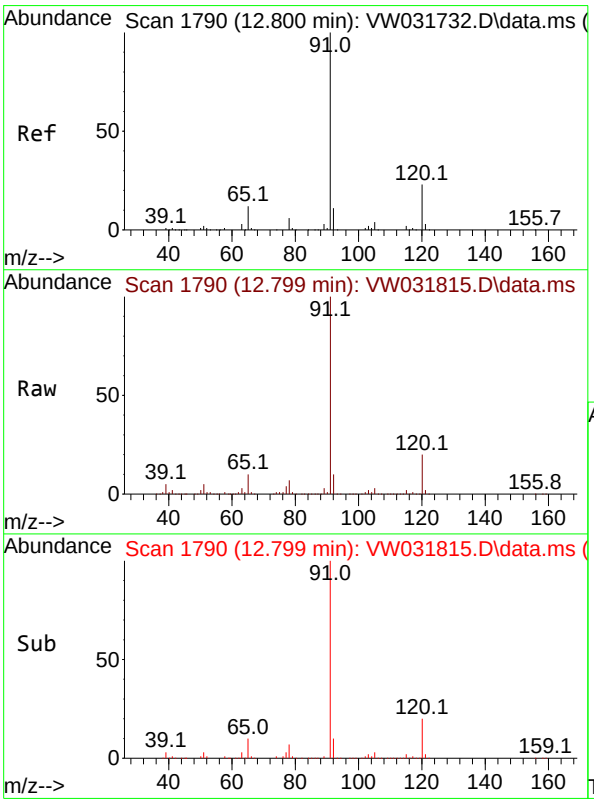
#77
Bromobenzene
Concen: 53.995 ug/l
RT: 12.745 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 151240

Ion	Ratio	Lower	Upper
156	100		
77	221.0	117.9	353.7
158	92.3	52.6	157.8

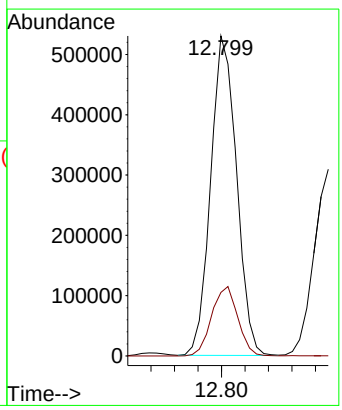


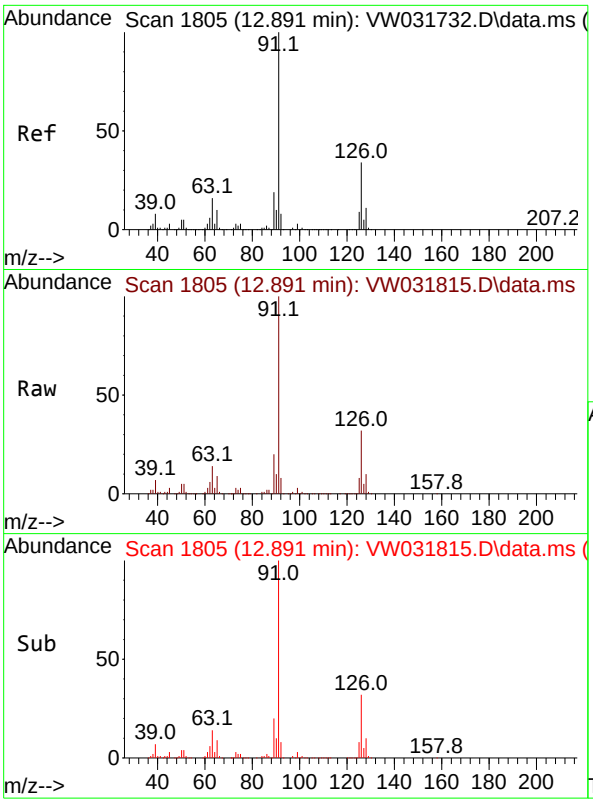


#78
n-propylbenzene
Concen: 53.975 ug/l
RT: 12.799 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 811703

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.5	34.4



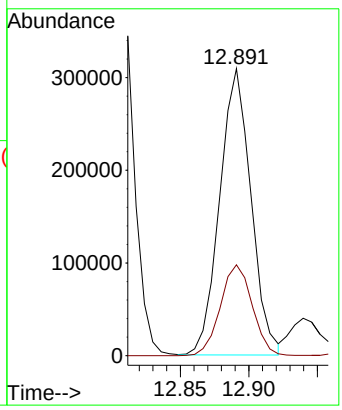


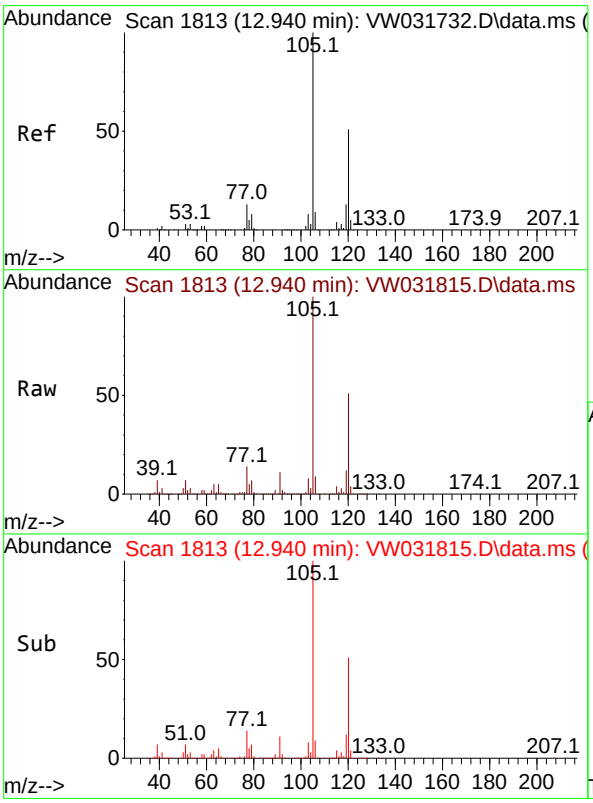
#79
2-Chlorotoluene
Concen: 54.142 ug/l
RT: 12.891 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 490300

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.8	47.4

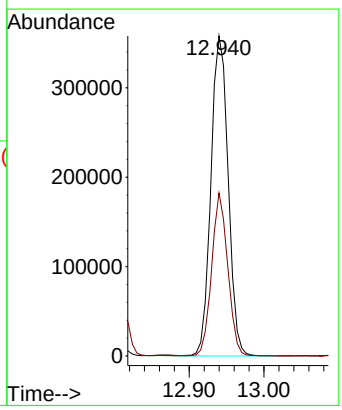


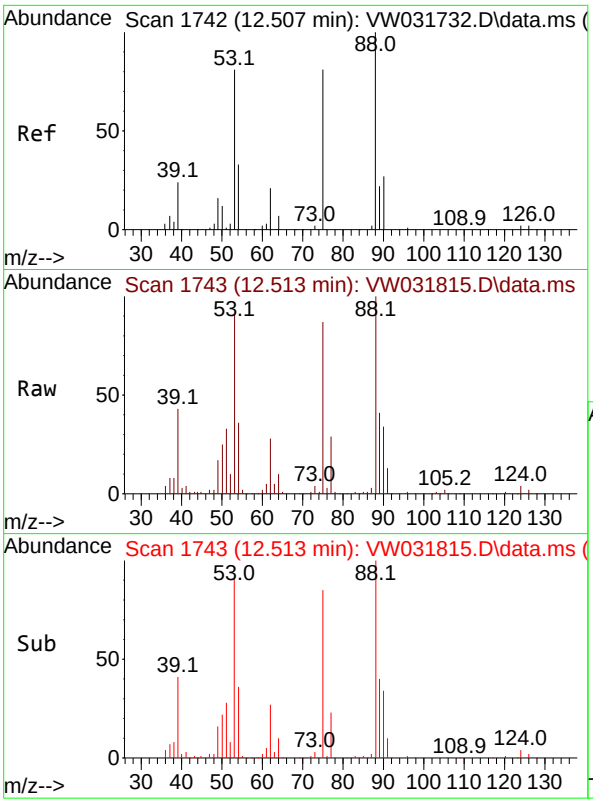


#80
1,3,5-Trimethylbenzene
Concen: 55.047 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:105 Resp: 572236

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.2



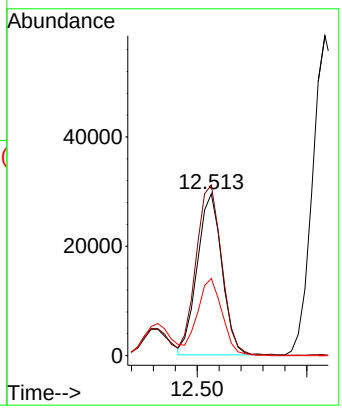


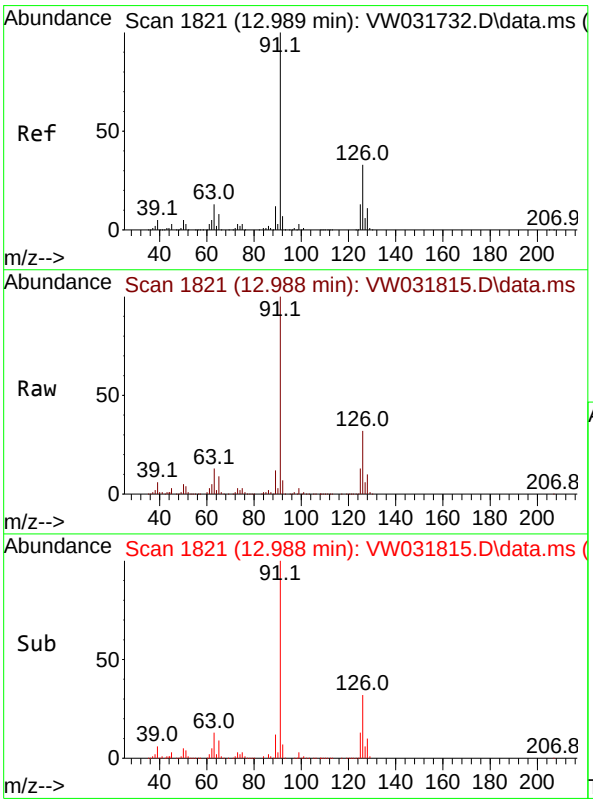
#81
trans-1,4-Dichloro-2-butene
Concen: 50.443 ug/l
RT: 12.513 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 46207

Ion	Ratio	Lower	Upper
75	100		
53	110.0	83.5	125.3
89	47.4	38.3	57.5

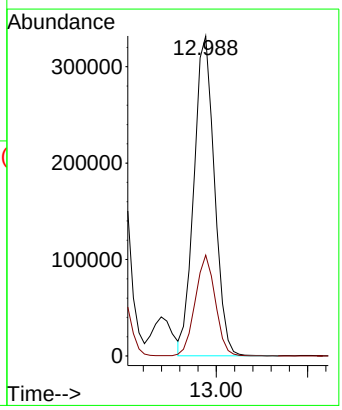


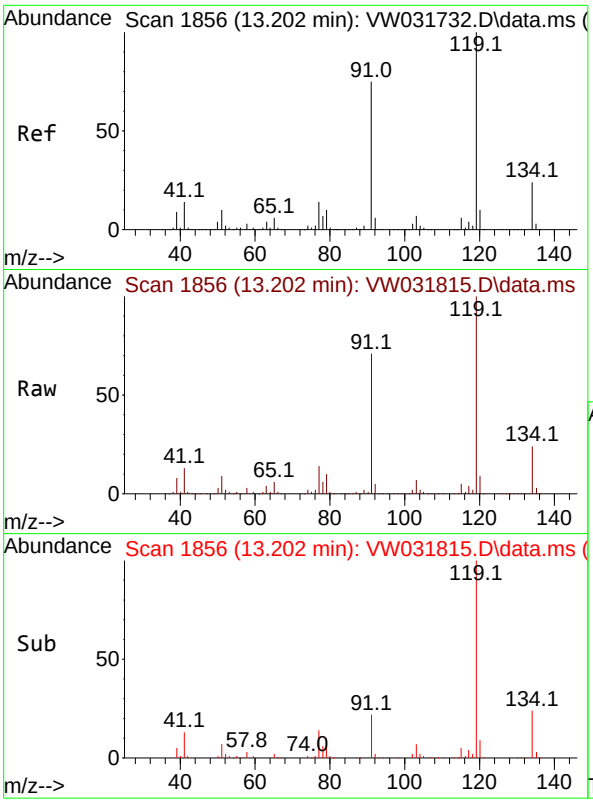


#82
4-Chlorotoluene
Concen: 54.242 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 91 Resp: 515714

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.0	47.9



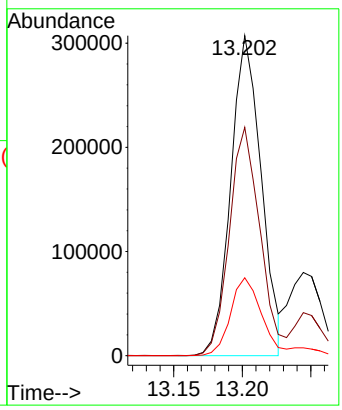


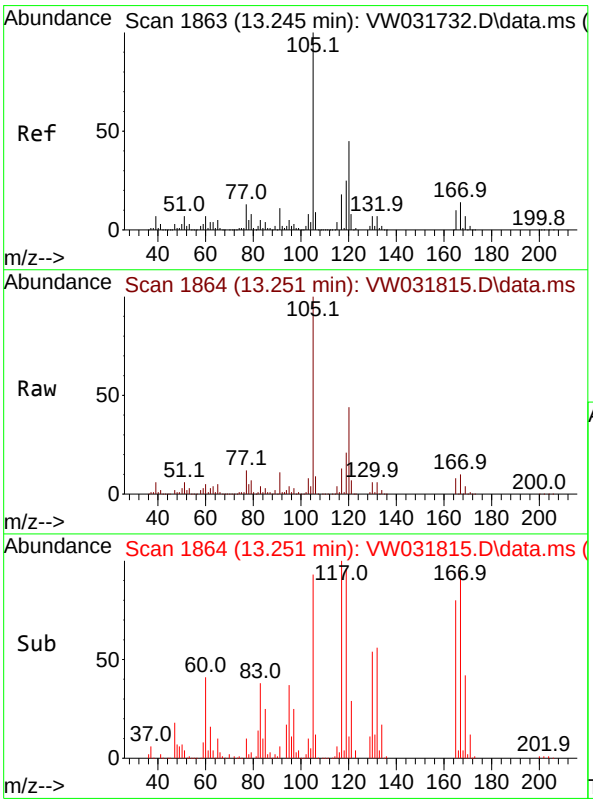
#83
tert-Butylbenzene
Concen: 53.341 ug/l
RT: 13.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 474982

Ion	Ratio	Lower	Upper
119	100		
91	72.3	36.0	108.1
134	24.7	12.4	37.2

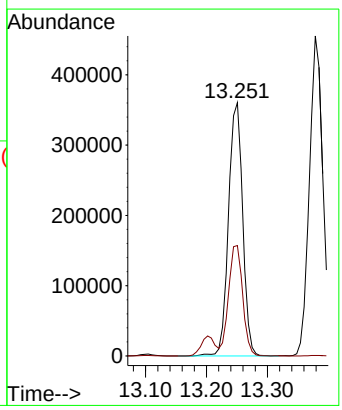


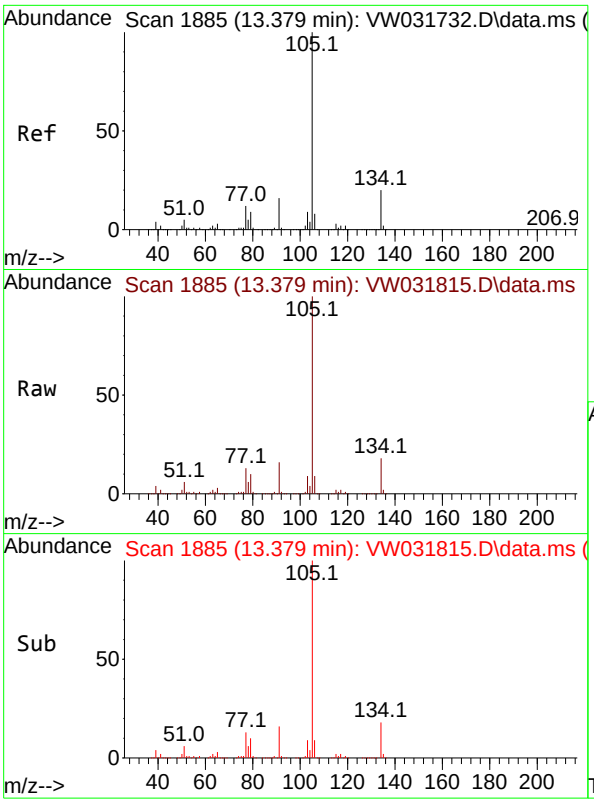


#84
1,2,4-Trimethylbenzene
Concen: 55.216 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:105 Resp: 581572

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



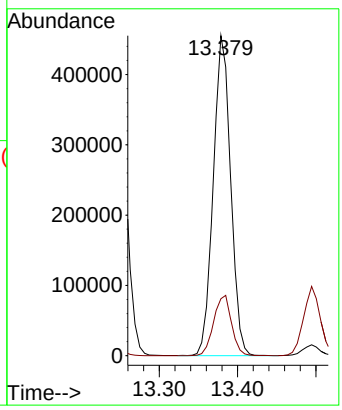


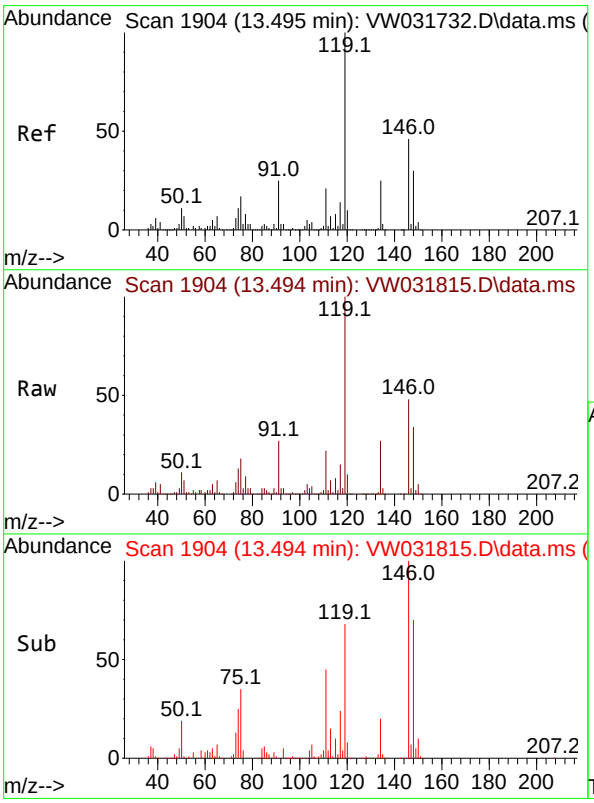
#85
sec-Butylbenzene
Concen: 52.616 ug/l
RT: 13.379 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 703235

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

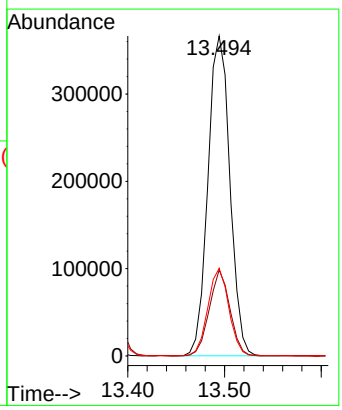


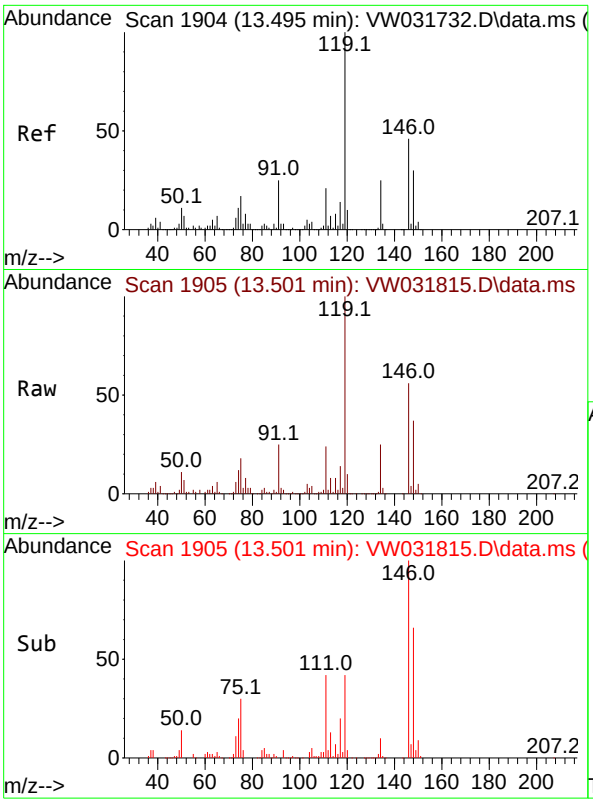


#86
p-Isopropyltoluene
Concen: 52.484 ug/l
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:119 Resp: 578110

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	26.1	12.7	38.0



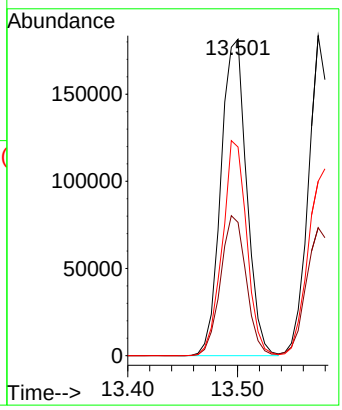


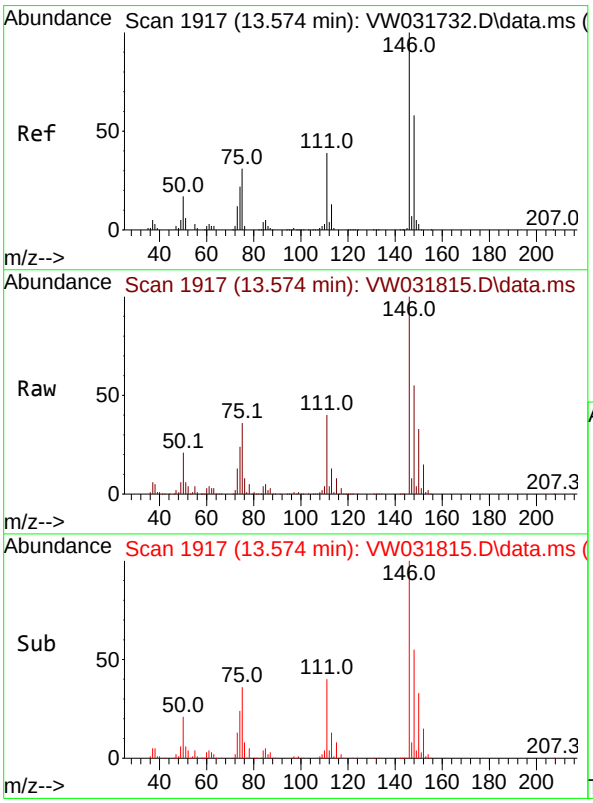
#87
1,3-Dichlorobenzene
Concen: 52.753 ug/l
RT: 13.501 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 296325

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.9
148	64.5	31.8	95.4

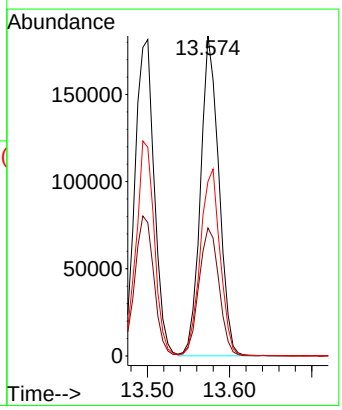


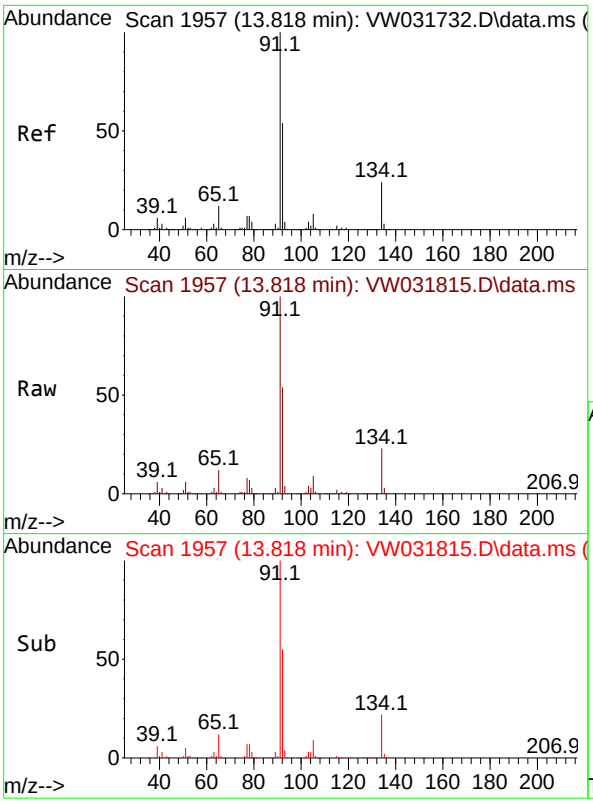


#88
1,4-Dichlorobenzene
Concen: 49.444 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:146 Resp: 284279

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.4	61.3
148	63.1	30.2	90.6



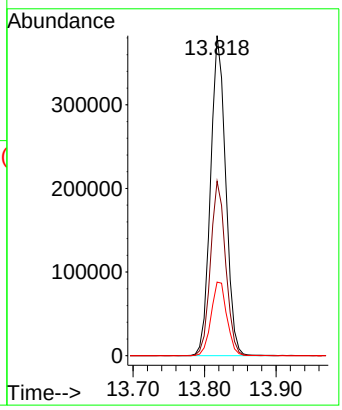


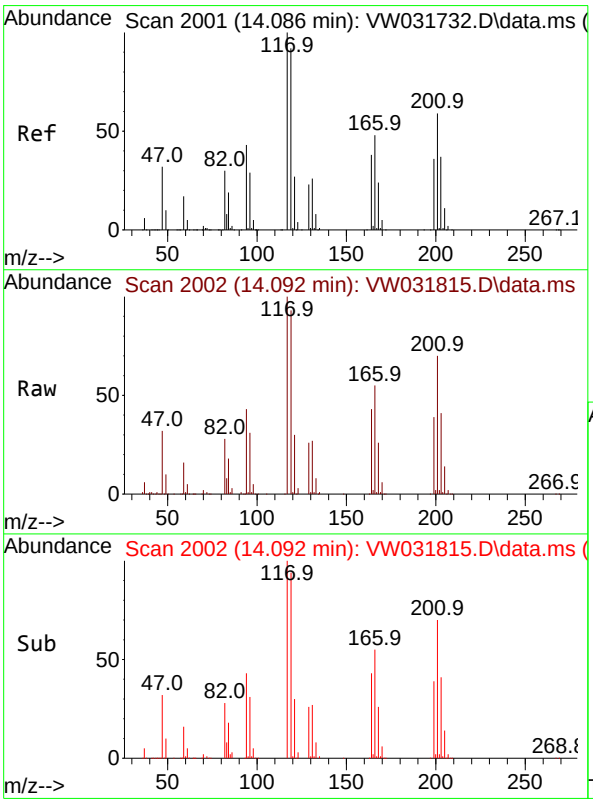
#89
n-Butylbenzene
Concen: 52.534 ug/l
RT: 13.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 562229

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	23.9	12.2	36.6

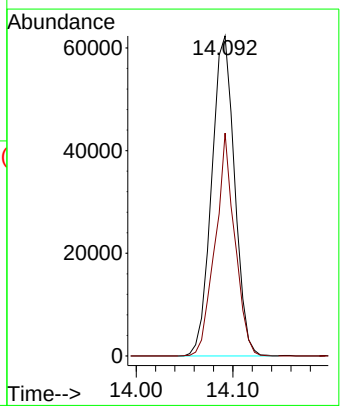


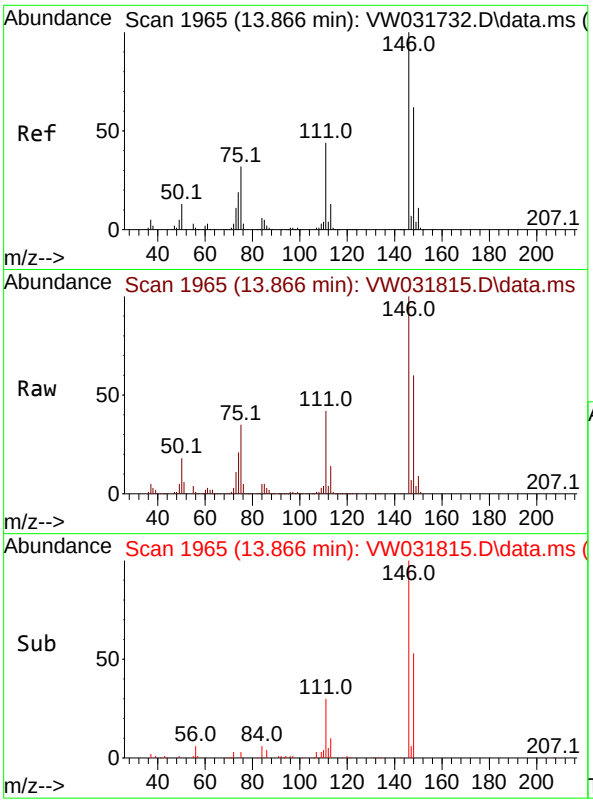


#90
Hexachloroethane
Concen: 51.687 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:117 Resp: 102713

Ion	Ratio	Lower	Upper
117	100		
201	59.7	31.1	93.3



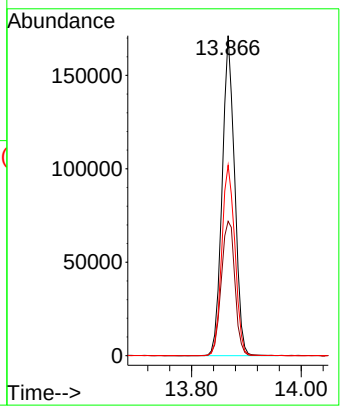


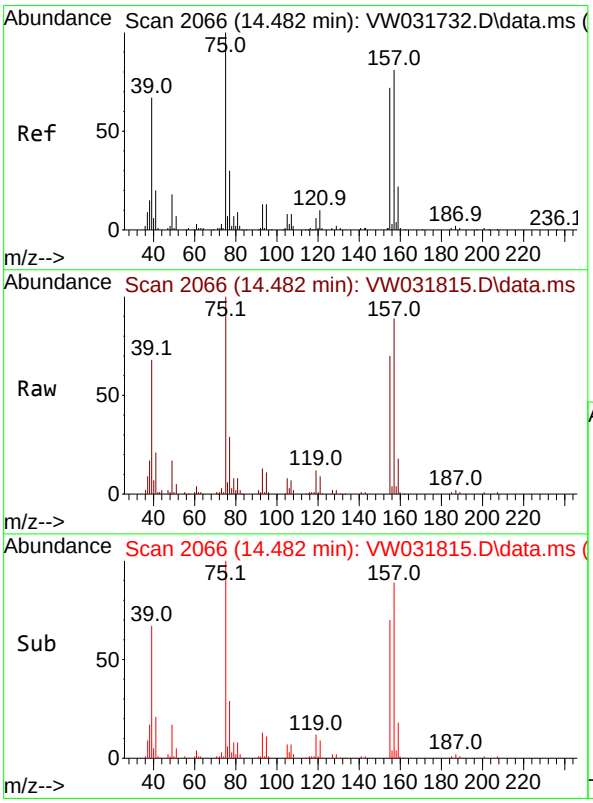
#91
1,2-Dichlorobenzene
Concen: 52.823 ug/l
RT: 13.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 271199

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.7	65.1
148	62.8	29.8	89.5

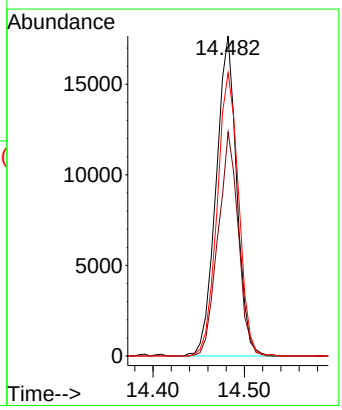


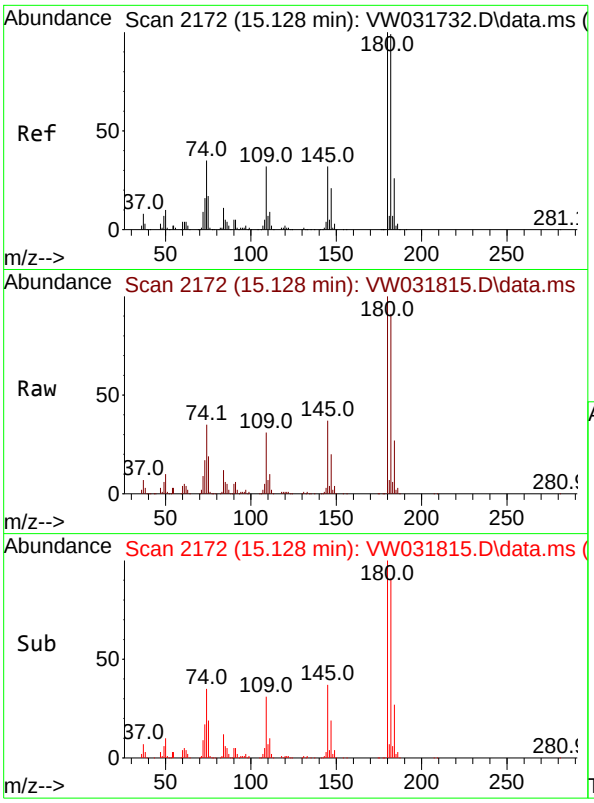


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.108 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion: 75 Resp: 27823

Ion	Ratio	Lower	Upper
75	100		
155	68.2	37.2	111.6
157	91.5	45.6	136.9



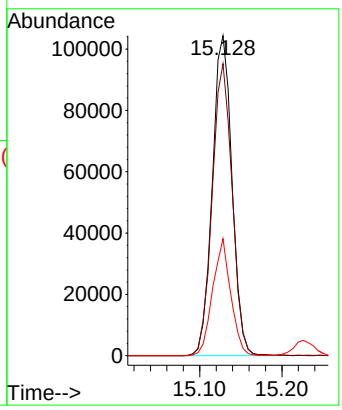


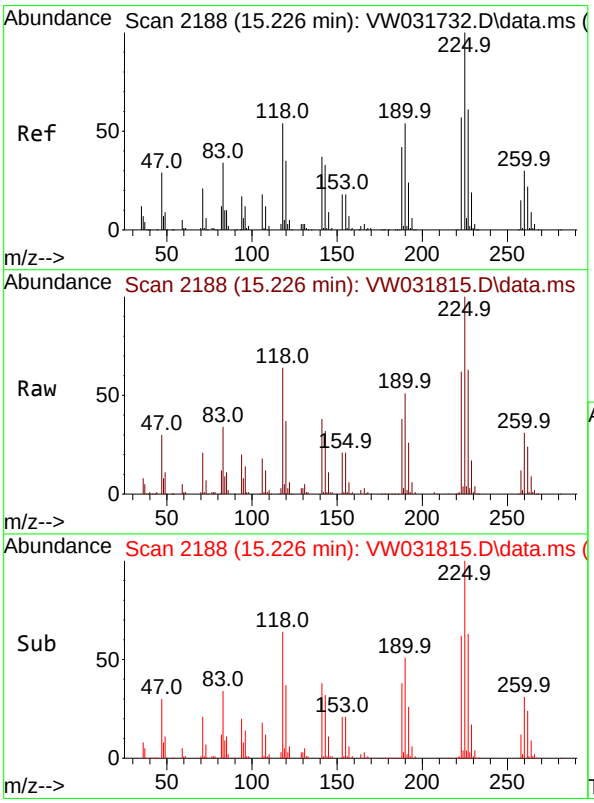
#93
1,2,4-Trichlorobenzene
Concen: 54.728 ug/l
RT: 15.128 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 173286

Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.6	145.9
145	33.8	17.3	51.7

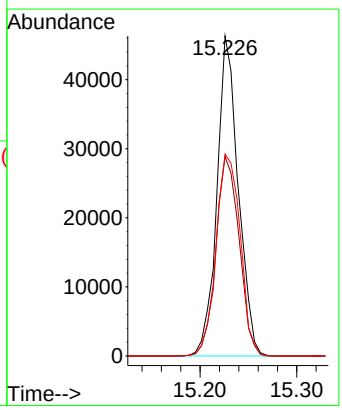


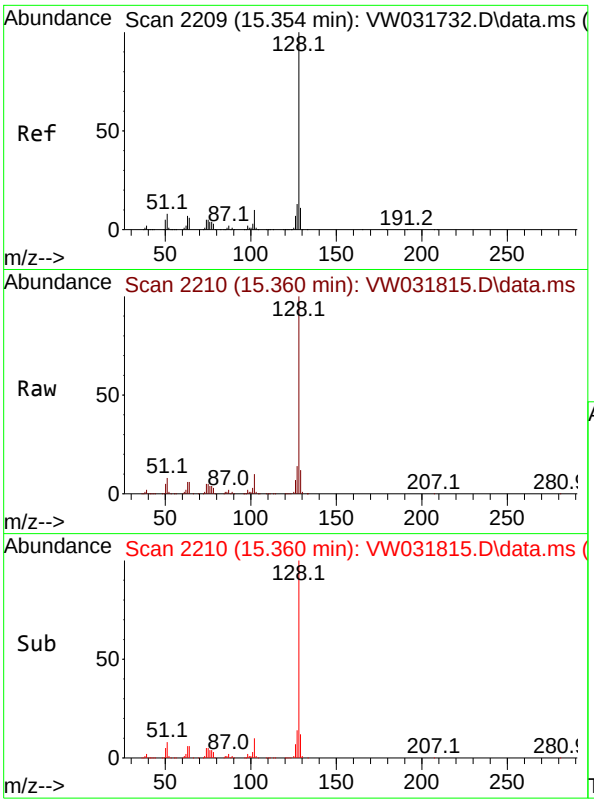


#94
Hexachlorobutadiene
Concen: 46.419 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:225 Resp: 70972

Ion	Ratio	Lower	Upper
225	100		
223	67.9	32.6	97.8
227	71.3	37.3	111.8



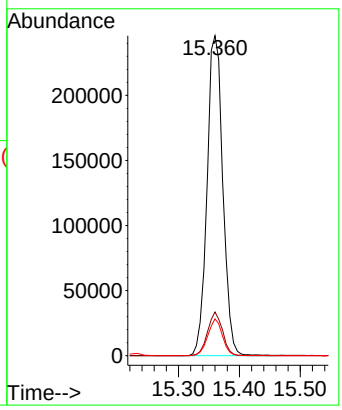


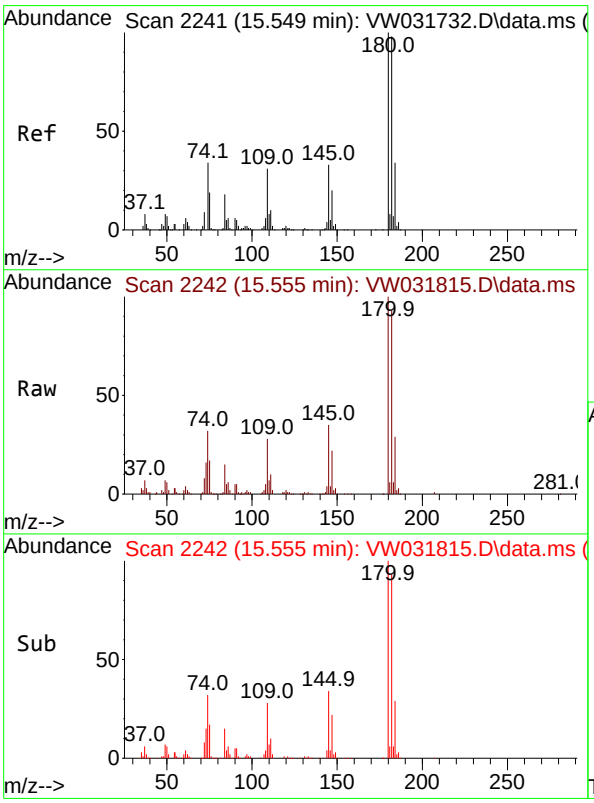
#95
Naphthalene
Concen: 57.038 ug/l
RT: 15.360 min Scan# 2
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 442766

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	10.7	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 51.204 ug/l
RT: 15.555 min Scan# 2242
Delta R.T. 0.006 min
Lab File: VW031815.D
Acq: 10 Jul 2025 19:59

Tgt Ion:180 Resp: 148972

Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.4	139.1
145	38.9	17.8	53.3

